



**Federal Aviation
Administration**

TM

CHART SUPPLEMENT NORTHWEST U.S.

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**Note: Minor changes have been made to implement updated IACC 8 Specifications.
For more information go to the Chart Notices at the following link:
https://www.faa.gov/air_traffic/flight_info/aeronav/safety_alerts/**



Consult NOTAMs for latest information

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace

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GENERAL INFORMATION

This Chart Supplement is a Civil Flight Information Publication published and distributed every eight weeks by the U.S. Department of Transportation, Federal Aviation Administration, Aeronautical Information Services, <http://www.faa.gov/go/ais>. It is designed for use with Aeronautical Charts covering the conterminous United States, Puerto Rico and the Virgin Islands.

The Airport/Facility Directory section contains all public-use airports, seaplane bases and heliports, military facilities, and selected private use facilities specifically requested by the Department of Defense (DoD) for which a DoD Instrument Approach Procedure has been published in the U.S. Terminal Procedures Publication. Additionally, this publication contains communications data, navigational facilities and certain special notices and procedures.

Military data contained within this publication is provided by the National Geospatial-Intelligence Agency and is intended to provide reference data for military and/or joint use airports. Not all military data contained in this publication is applicable to civil users.

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

CRITICAL information such as equipment malfunction, abnormal field conditions, hazards to flight, etc., should be reported as soon as possible.

FOR CORRECTIONS TO AERONAUTICAL DATA: <http://nfdc.faa.gov/>

FAA, Aeronautical Information Services
National Flight Data Center (NFDC)
1575 I Street, NW, Room 9304
Washington, DC 20005

NOTICE: Changes must be received by Aeronautical Information Services as soon as possible but not later than the "cut-off" dates listed below to assure publication on the desired effective date. Information cut-off dates that fall on a federal holiday must be received the previous work day.

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*Airspace Information includes changes to preferred routes and graphic depictions on charts.

FOR CHARTING COMMENTS:

FAA, Aeronautical Information Services
1305 East West Highway
SSMC-4 Suite 4400
Silver Spring, MD 20910-3281
Telephone 1-800-638-8972
Email 9-AMC-Aerochart@faa.gov

Frequently asked questions (FAQs) are answered on our website at <http://www.faa.gov/go/ais>. See the FAQs prior to contact via toll free number.

FOR PROCUREMENT:

Contact an Authorized FAA Chart Sales Agent. Visit our website at <http://www.faa.gov/go/ais> and click on "Chart Agent Locator." For digital products, visit <http://faacharts.faa.gov>.

THIS PUBLICATION COMPRISES PART OF THE FOLLOWING SECTIONS OF THE UNITED STATES AERONAUTICAL INFORMATION PUBLICATION (AIP): GEN, ENR AND AD.

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CITY/MILITARY AIRPORT CROSS REFERENCE

Military airports are listed alphabetically by state and official airport name. The following city/military airport cross reference listing provides alphabetical listing by state and city name for all military airports published in this directory.

STATE	CITY NAME	AIRPORT NAME
ID	MOUNTAIN HOME	MOUNTAIN HOME AFB
MT	GREAT FALLS	MALMSTROM AFB
WA	SPOKANE	FAIRCHILD AFB
WA	FORT LEWIS	GRAY AAF (JOINT BASE LEWIS-MCCHORD)
WA	TACOMA	MCCHORD FIELD (JOINT BASE LEWIS-MCCHORD)
WA	PORT ANGELES	PORT ANGELES CGAS
WA	OAK HARBOR	WHIDBEY ISLAND NAS (AULT FLD)
WY	GUERNSEY	CAMP GUERNSEY

SEAPLANE LANDING AREAS

The following locations have Seaplane Landing Areas (Waterways). See alphabetical listing for complete data on these facilities.

STATE	CITY NAME	FACILITY NAME
ID	CAVANAUGH BAY	TANGLEFOOT
ID	COEUR D'ALENE	BROOKS
ID	GLENGARY	LAKE PEND OREILLE
ID	LEWISTON	SNAKE RIVER
MT	POLSON	POLSON
MT	SEELEY LAKE	LINDEY'S LANDING WEST
OR	FLORENCE	LAKE WOAHINK
WA	ANACORTES	SKYLINE
WA	BELLINGHAM	FLOATHAVEN
WA	FRIDAY HARBOR	FRIDAY HARBOR
WA	KENMORE	KENMORE AIR HARBOR INC
WA	LOPEZ	FISHERMANS BAY
WA	POULSBO	PORT OF POULSBO MARINA MOORAGE
WA	RENTON	WILL ROGERS WILEY POST MEM
WA	ROCHE HARBOR	ROCHE HARBOR
WA	ROSARIO	ROSARIO
WA	SEATTLE	KENMORE AIR HARBOR
WA	SEATTLE	SEATTLE SEAPLANES
WA	SPOKANE	FELTS FLD
WA	TACOMA	AMERICAN LAKE

GENERAL INFORMATION

ABBREVIATIONS

The following abbreviations/acronyms are those commonly used within this Directory. Other abbreviations/acronyms may be found in the Legend and are not duplicated below. The abbreviations presented are intended to represent grammatical variations of the basic form. (Example—"req" may mean "request", "requesting", "requested", or "requests").

Abbreviation	Description	Abbreviation	Description
AG	air/ground	AM	Amplitude Modulation, midnight til noon
AAF	Army Air Field	AMC	Air Mobility Command
AAS	Airport Advisory Service	amdt.....	amendment
AB	Airbase	AMSL	Above Mean Sea Level
abm	abeam	ANGS	Air National Guard Station
ABn	Aerodrome Beacon	ant	antenna
abv	above	AOE.....	Airport/Aerodrome of Entry
ACC	Air Combat Command Area Control Center	AP	Area Planning
acft.....	aircraft	APAPI.....	Abbreviated Precision Approach Path Indicator
ACLS.....	Automatic Carrier Landing System	apch.....	approach
act	activity	apn.....	apron
ACWS	Aircraft Control and Warning Squadron	APP	Approach Control
ADA	Advisory Area	Apr	April
ADCC.....	Air Defense Control Center	aprx.....	approximate
ADCUS.....	Advise Customs	APU	Auxiliary Power Unit
addn	addition	apv, apvl	approve, approval
ADF	Automatic Direction Finder	ARB.....	Air Reserve Base
adj	adjacent	ARCAL (CANADA)	Aircraft Radio Control of Aerodrome Lighting
admin	administration	ARFF	Aircraft Rescue and Fire Fighting
ADR	Advisory Route	ARINC	Aeronautical Radio Inc
adv.....	advise	arng.....	arrange
advy	advisory	arpt	airport
AEIS.....	Aeronautical Enroute Information Service	arr	arrive
AER	approach end rwy	ARS	Air Reserve Station
AFA	Army Flight Activity	ARSA.....	Airport Radar Service Area
AFB	Air Force Base	ARSR.....	Air Route Surveillance Radar
afct.....	affect	ARTCC.....	Air Route Traffic Control Center
AFF	Aqueous Film Forming Foam	AS	Air Station
AFHP	Air Force Heliport	ASAP	as soon as possible
AFIS.....	Aerodrome Flight Information Service	ASDA.....	Accelerate-Stop Distance Available
afld	airfield	ASDE.....	Airport Surface Detection
AFOD	Army Flight Operations Detachment	ASDE-X	Airport Surface Detection Equipment-Model X
AFR	Air Force Regulation	asgn	assign
AFRC	Armed Forces Reserve Center/Air Force Reserve Command	ASL	Above Sea Level
AFRS	American Forces Radio Stations	ASOS.....	Automated Surface Observing System
AFS	Air Force Station	ASR	Airport Surveillance Radar
AFSS.....	Automated Flight Service Station	ASSC	Airport Surface Surveillance Capability
AFTN	Aeronautical Fixed Telecommunication Network	ASU	Aircraft Starting Unit
AG	Agriculture	ATA	Actual Time of Arrival
A-G, A-GEAR	Arresting Gear	ATC	Air Traffic Control
agcy	Agency	ATCC	Air Traffic Control Center
AGL	above ground level	ATCT	Airport Traffic Control Tower
AHP	Army heliport	ATD	Actual Time of Departure Along Track Distance
AID	Airport Information Desk	ATIS	Automatic Terminal Information Service
AIS	Aeronautical Information Services	ATS	Air Traffic Service
AL	Approach and Landing Chart	attn	attention
ALF	Auxiliary Landing Field	Aug	August
ALS.....	Approach Light System	auth.....	authority
ALSF-1	High Intensity ALS Category I configuration with sequenced Flashers (code)	auto.....	automatic
ALSF-2	High Intensity ALS Category II configuration with sequenced Flashers (code)	AUW	All Up Weight (gross weight)
alt.....	altitude	aux	auxiliary
altn	alternate	AVASI	abbreviated VASI
		avbl	available
		AvGas	Aviation gasoline
		avn	aviation
		AvOil.....	aviation oil
		AWOS.....	Automatic Weather Observing System

Abbreviation..... Description

AWSS.....Automated Weather Sensor System
 awt.....await
 awy.....airway
 az.....azimuth

BA.....braking action
 BASH.....Bird Aircraft Strike Hazard
 BC.....back course
 bcn.....beacon
 bcst.....broadcast
 bdry.....boundary
 bldg.....building
 blkd.....blocked
 blo, blw.....below
 BOQ.....Bachelor Officers Quarters
 brg.....bearing
 btn.....between
 bus.....business
 byd.....beyond

C.....Commercial Circuit (Telephone)
 CAC.....Centralized Approach Control
 cap.....capacity
 cat.....category
 CAT.....Clear Air Turbulence
 CCW or cntclwks.....counterclockwise
 ceil.....ceiling
 CERAP.....Center Radar Approach Control
 CG.....Coast Guard
 CGAF.....Coast Guard Air Facility
 CGAS.....Coast Guard Air Station
 CH, chan.....channel
 CHAPI.....Chase Helicopter Approach Path
 Indicator
 chg.....change
 cht.....chart
 cir.....circle, circling
 CIV, civ.....Civil, civil, civilian
 ck.....check
 CL.....Centerline Lighting System
 cl.....class
 clnc.....clearance
 clsd.....closed
 CNATRA.....Chief of Naval Air Training
 cnl.....cancel
 cntr.....center
 cntrl.....centerline
 Co.....Company, County
 CO.....Commanding Officer
 com.....communication
 cmd.....command
 Comdr.....Commander
 coml.....commercial
 compul.....compulsory
 comsn.....commission
 conc.....concrete
 cond.....condition
 const.....construction
 cont.....continue
 CONUS.....Continental United States
 convl.....conventional
 coord.....coordinate
 copter.....helicopter
 corr.....correct
 CPDLC.....Controller Pilot Data Link
 Communication
 crdr.....corridor

Abbreviation..... Description

cro.....cross
 CRP.....Compulsory Reporting Point
 crs.....course
 CS.....call sign
 CSTMS.....Customs
 CTA.....Control Area
 CTAF.....Common Traffic Advisory Frequency
 ctc.....contact
 ctl.....control
 CTLZ.....Control Zone
 CVFR.....Controlled Visual Flight Rules Areas
 CW.....Clockwise, Continuous Wave, Carrier
 Wave
 dalgt.....daylight
 D-ATIS.....Digital Automatic Terminal Information
 Service
 daylt.....daylight
 db.....decibel
 DCL.....Departure Clearance
 Dec.....December
 decom.....decommission
 deg.....degree
 del.....delivery
 dep.....depart
 DEP.....Departure Control
 destn.....destination
 det.....detachment
 DF.....Direction Finder
 DH.....Decision Height
 DIAP.....DoD Instrument Approach Procedure
 direc.....directional
 disem.....disseminate
 displ.....displace
 dist.....district, distance
 div.....division
 DL.....Direct Line to FSS
 dlt.....delete
 dly.....daily
 DME.....Distance Measuring Equipment (UHF
 standard, TACAN compatible)
 DNV.....Digital Non-Secure Voice Telephone
 DoD.....Department of Defense
 drct.....direct
 DSN.....Defense Switching Network (Telephone)
 DSN.....Defense Switching Network
 dspcd.....displaced
 DT.....Daylight Savings Time
 dur.....during
 durn.....duration
 DV.....Distinguished Visitor
 E.....East
 ea.....each
 EAT.....Expected Approach Time
 ECN.....Enroute Change Notice
 EFAS.....Enroute Flight Advisory Service
 eff.....effective, effect
 E-HA.....Enroute High Altitude
 E-LA.....Enroute Low Altitude
 elev.....elevation
 ELT.....Emergency Locator Transmitter
 EMAS.....Engineered Material Arresting System
 emerg.....emergency
 eng.....engine
 EOR.....End of Runway

AbbreviationDescription

eqpt.....	equipment
ERDA.....	Energy Research and Development Administration
E-S.....	Enroute Supplement
est.....	estimate
estab.....	establish
ETA.....	Estimated Time of Arrival
ETD.....	Estimated Time of Departure
ETE.....	Estimated Time Enroute
ETS.....	European Telephone System
EUR.....	European (ICAO Region)
ev.....	every
evac.....	evacuate
exc.....	except
excl.....	exclude
exer.....	exercise
exm.....	exempt
exp.....	expect
extd.....	extend
extn.....	extension
extv.....	extensive
F/W.....	Fixed Wing
FAA.....	Federal Aviation Administration
fac.....	facility
FAWS.....	Flight Advisory Weather Service
fax.....	facsimile
FBO.....	Fixed Base Operator
FCC.....	Flight Control Center
FCG.....	Foreign Clearance Guide
FCLP.....	field carrier landing practice
fcst.....	forecast
Feb.....	February
FIC.....	Flight Information Center
FIH.....	Flight Information Handbook
FIR.....	Flight Information Region
FIS.....	Flight Information Service
FL.....	flight level
fld.....	field
flg.....	flashing
FLIP.....	Flight Information Publication
flt.....	flight
flw.....	follow
FM.....	Fan Marker, Frequency Modulation
FOC.....	Flight Operations Center
FOD.....	Foreign Object Damage
fone.....	telephone
FPL.....	Flight Plan
fpm.....	feet per minute
fr.....	from
freq.....	frequency, frequent
Fri.....	Friday
frng.....	firing
FSC.....	Flight Service Center
FSS.....	Flight Service Station
ft.....	foot
ftt.....	fighter
GA.....	Glide Angle
gal.....	gallon
GAT.....	General Air Traffic (Europe-Asia)
GCA.....	Ground Control Approach
GCO.....	Ground Communication Outlet
glidr.....	glider
GND.....	Ground Control
gnd.....	ground
govt.....	government

AbbreviationDescription

GP.....	Glide Path
Gp.....	Group
GPI.....	Ground Point of Intercept
grad.....	gradient
grd.....	guard
GS.....	glide slope
GWT.....	gross weight
H.....	Enroute High Altitude Chart (followed by identification)
H+.....	Hours or hours plus...minutes past the hour
H24.....	continuous operation
HAA.....	Height Above Airport/Aerodrome
HAL.....	Height Above Landing Area
HAR.....	Height Above Runway
HAT.....	Height Above Touchdown
haz.....	hazard
hdg.....	heading
HDTA.....	High Density Traffic Airport/Aerodrome
HF.....	High Frequency (3000 to 30,000 KHz)
hgr.....	hangar
hgt.....	height
hi.....	high
HIRL.....	High Intensity Runway Lights
HIWAS.....	Hazardous Inflight Weather Advisory Service
HO.....	Service available to meet operational requirements
hol.....	holiday
HOLF.....	Helicopter Outlying Field
hosp.....	hospital
HQ.....	Headquarters
hr.....	hour
HS.....	Service available during hours of scheduled operations
hsg.....	housing
hvy.....	heavy
HW.....	Heavy Weight
hwy.....	highway
HX.....	station having no specific working hours
Hz.....	Hertz (cycles per second)
I.....	Island
IAP.....	Instrument Approach Procedure
IAS.....	Indicated Air Speed
IAW.....	In accordance with
ICAO.....	International Civil Aviation Organization
ident.....	identification
IFF.....	Identification, Friend or Foe
IFR.....	Instrument Flight Rules
IFR-S.....	FLIP IFR Supplement
IFSS.....	International Flight Service Station
ILS.....	Instrument Landing System
IM.....	Inner Marker
IMC.....	Instrument Meteorological Conditions
IMG.....	Immigration
immed.....	immediate
inbd.....	Inbound
Inc.....	Incorporated
incl.....	include
incr.....	increase
indef.....	indefinite
info.....	information
inop.....	inoperative
inst.....	instrument
instl.....	install

Abbreviation.....	Description	Abbreviation.....	Description
instr	instruction	ltd.....	limited
int	intersection		
intcntl.....	intercontinental	M	meters, magnetic (after a bearing),
intcp	intercept		Military Circuit (Telephone)
intl	international	MACC	Military Area Control Center
intmt	intermittent	mag	magnetic
ints	intense, intensity	maint	maintain, maintenance
invo.....	in the vicinity of	maj	major
irreg	Irregularly	MALS.....	Medium Intensity Approach Lighting
			System
Jan.....	January	MALSF	MALS with Sequenced Flashers
JASU	Jet Aircraft Starting Unit	MALSRR.....	MALS with Runway Alignment Indicator
JATO	Jet Assisted Take-Off		Lights
JOAP	Joint Oil Analysis Program	Mar.....	March
JOSAC	Joint Operational Support Airlift Center	MARA	Military Activity Restricted Area
JRB	Joint Reserve Base	MATO	Military Air Traffic Operations
Jul	July	MATZ	Military Aerodrome Traffic Zone
Jun.....	June	max	maximum
		mb	millibars
K or Kt.....	Knots	MCAC	Military Common Area Control
kHz	kilohertz	MCAF	Marine Corps Air Facility
KIAS	Knots Indicated Airspeed	MCALF	Marine Corps Auxiliary Landing Field
KLIZ	Korea Limited Identification Zone	MCAS.....	Marine Corps Air Station
km	Kilometer	MCB	Marine Corps Base
kw	kilowatt	MCC	Military Climb Corridor
		MCOLF.....	Marine Corps Outlying Field
L.....	Compass locator (Component of ILS	MDA	Minimum Descent Altitude
	system) under 25 Watts, 15 NM,	MEA	Minimum Enroute Altitude
	Enroute Low Altitude Chart (followed by	med	medium
	identification)	MEHT	Minimum Eye Height over Threshold
L.....	Local Time	mem	memorial
LAA.....	Local Airport Advisory	MET.....	Meteorological, Meteorology
LAHSO	Land and Hold-Short Operations	METAR.....	Aviation Routine Weather Report (in
L-AOE	Limited Airport of Entry		international MET figure code)
LAWRS.....	Limited Aviation Weather Reporting	METRO	Pilot-to-Metro voice cell
	Station	MF.....	Medium Frequency (300 to 3000 KHz),
lb, lbs.....	pound (weight)		Mandatory Frequency (Canada)
LC	local call	MFA.....	Minimum Flight Altitude
lcl	local	mgmt	Management
LCP	French Peripheral Classification Line	mgr.....	manager
lctd	located	MHz.....	Megahertz
lctn	location	mi.....	mile
lctr.....	locator	MID/ASIA	Middle East/Asia (ICAO Region)
LCVASI	Low Cost Visual Approach Slope	MIJI	Meaconing, Intrusion, Jamming, and
	Indicator		Interference
lczr	localizer	Mil, mil	military
LD.....	long distance	min	minimum, minute
LDA.....	Landing Distance Available	MIRL.....	Medium Intensity Runway Lights
ldg	landing	misl	missile
LDIN	Lead-in Lights	mkr	marker (beacon)
LDOCF.....	Long Distance Operations Control	MM.....	Middle Marker of ILS
	Facility	mnt.....	monitor
len	length	MOA	Military Operations Area
lgt, lgtd, lgts	light, lighted, lights	MOCA	Minimum Obstruction Clearance
LIRL	Low Intensity Runway Lights		Altitude
LLWAS.....	Low-Level Wind Shear Alert System	mod	modify
LLZ	Localizer (Instrument Approach	MOG.....	Maximum (aircraft) on the Ground
	Procedures Identification only)	Mon	Monday
LMM	Compass locator at Middle Marker ILS	MP	Maintenance Period
lo	low	MR	Medium Range
LoALT or LA	Low Altitude	MRA	Minimum Reception Altitude
LOC	Localizer	mrk.....	mark, marker
LOM	Compass locator at Outer Marker ILS	MSAW.....	minimum safe altitude warning
LR	Long Range, Lead Radial	msg	message
LRA.....	Landing Rights Airport	MSL.....	Mean Sea Level
LRRS.....	Long Range RADAR Station	msn	Mission
LSB.....	lower side band	mt	mount, mountain

AbbreviationDescription

MTAF	Mandatory Traffic Advisory Frequency
MTCA	Military Terminal Control Area
mtlhy	monthly
MUAC	Military Upper Area Control
muni	municipal
MWARA	Major World Air Route Area

N	North
N/A	not applicable
NA	not authorized (For Instrument Approach Procedure take-off and alternate MINIMA only)
NAAS	Naval Auxiliary Air Station
NADC	Naval Air Development Center
NADEP	Naval Air Depot
NAEC	Naval Air Engineering Center
NAES	Naval Air Engineering Station
NAF	Naval Air Facility
NALCO	Naval Air Logistics Control Office
NALF	Naval Auxiliary Landing Field
NALO	Navy Air Logistics Office
NAS	Naval Air Station
NAT	North Atlantic (ICAO Region)
natl	national
nav	navigation
navaid	navigation aid
NAVMTO	Navy Material Transportation Office
NAWC	Naval Air Warfare Center
NAWS	Naval Air Weapons Station
NCRP	Non-Compulsory Reporting Point
NDB	Non-Directional Radio Beacon
NE	Northeast
nec	necessary
NEW	Net Explosives Weight
ngt	night
NM	nautical miles
nml	normal
NMR	nautical mile radius
No or Nr	number
NOLF	Naval Outlying Field
NORDO	Lost communications or no radio installed/available in aircraft
NOTAM	Notice to Airmen
Nov	November
npi	non precision instrument
Nr or No	number
NS	Naval Station
NS ABTMT	Noise Abatement
NSA	Naval Support Activity
NSF	Naval Support Facility
NSTD, nstd	nonstandard
ntc	notice
NVD	Night Vision Devices
NVG	Night Vision Goggles
NW	Northwest
NWC	Naval Weapons Center
O/A	On or about
O/S	out of service
O/R	On Request
OAT	Operational Air Traffic
obsn	observation
obst	obstruction
OCA	Oceanic Control Area
ocnl	occasional
Oct	October

AbbreviationDescription

ODALS	Omnidirectional Approach Lighting System
ODO	Operations Duty Officer
offl	official
OIC	Officer In Charge
OLF	Outlying Field
OLS	Optical Landing System
OM	Outer Marker, ILS
opr	operate, operator, operational
OPS, ops	operations
orig	original
OROCA	Off Route Obstruction Clearance Altitude
ORTCA	Off Route Terrain Clearance Altitude
OT	other times
OTS	out of service
outbd	outbound
ovft	overflight
ovrn	overrun
OX	oxygen
P/L	plain language
PAC	Pacific (ICAO Region)
PAEW	personnel and equipment working
PALS	Precision Approach and Landing System (NAVY)
PAPI	Precision Approach Path Indicator
PAR	Precision Approach Radar
para	paragraph
parl	parallel
pat	pattern
PAX	Passenger
PCL	pilot controlled lighting
pent	penetrate
perm	permanent
perms	permission
pers	personnel
PFC	Porous Friction Courses
PJE	Parachuting Activities/Exercises
p-line	power line
PM	Post meridian, noon til midnight
PMRF	Pacific Missile Range Facility
PMSV	Pilot-to-Metro Service
PN	prior notice
POB	persons on board
POL	Petrol, Oils and Lubricants
posn	position
PPR	prior permission required
prcht	parachute
pref	prefer
prev	previous
prim	primary
prk	park
PRM	Precision Runway Monitor
pro	procedure
proh	prohibited
pt	point
PTD	Pilot to Dispatcher
pub	publication
publ	publish
PVASI	Pulsating Visual Approach Slope Indicator
pvt	private
pwr	power
QFE	Altimeter Setting above station

Abbreviation..... Description

QNE	Altimeter Setting of 29.92 inches which provides height above standard datum plane
QNH.....	Altimeter Setting which provides height above mean sea level
qtrs	quarters
quad.....	quadrant
R/T.....	Radiotelephony
R/W	Rotary/Wing
RACON	Radar Beacon
rad	radius, radial
RAIL.....	Runway Alignment Indicator Lights
RAMCC.....	Regional Air Movement Control Center
R-AOE.....	Regular Airport of Entry
RAPCON.....	Radar Approach Control (USAF)
RATCF	Radar Air Traffic Control Facility (Navy)
RCAG	Remote Center Air to Ground Facility
RCAGL	Remote Center Air to Ground Facility Long Range
RCL.....	runway centerline
RCLS.....	Runway Centerline Light System
RCO	Remote Communications Outlet
rcpt	reception
RCR	Runway Condition Reading
rcv	receive
rcvr	receiver
rdo	radio
reconst	reconstruct
reful	refueling
reg	regulation, regular
REIL.....	Runway End Identifier Lights
rel	reliable
relctd	relocated
REP	Reporting Point
req	request
RETIL.....	Rapid Exit Taxiway Indicator Light
Rgn	Region
Rgnl	Regional
rgt	right
rgt tfc	right traffic
rigd	realigned
RLLS	Runway Lead-in Light System
rmk	remark
rng	range, radio range
RNP	Required Navigation Performance
RON	Remain Overnight
Rot Lt or Bcn.....	Rotating Light or Beacon
RPI	Runway Point of Intercept
rpt.....	report
rqr.....	require
RR	Railroad
RRP	Runway Reference Point
RSC.....	Runway Surface Condition
RSDU.....	Radar Storm Detection Unit
RSE.....	Runway Starter Extension/Starter Strip
RSRS	Reduced Same Runway Separation
rstd	restricted
rte.....	route
ruf	rough
RVR	Runway Visual Range
RVSM.....	Reduced Vertical Separation Minima
rwy	runway
S.....	South
S/D.....	Seadrome
SALS	Short Approach Lighting System

Abbreviation..... Description

SAR	Search and Rescue
Sat.....	Saturday
SAVASI.....	Simplified Abbreviated Visual Approach Slope Indicator
SAWRS	Supplement Aviation Weather Reporting Station
sby	standby
Sched.....	scheduled services
sctr	sector
SDF	Simplified Directional Facility
SE	Southeast
sec.....	second, section
secd.....	secondary
SELCAL.....	Selective Calling System
SELF.....	Strategic Expeditionary Landing Field
SEng.....	Single Engine
Sep.....	September
SFA.....	Single Frequency Approach
sfc.....	surface
SFL.....	Sequence Flashing Lights
SFRA.....	Special Flight Rules Area
SID	Standard Instrument Departure
SIDA	Secure Identification Display Area
SIF.....	Selective Identification Feature
sked.....	schedule
SM.....	statute miles
SOAP.....	Spectrometric Oil Analysis Program
SOF	Supervisor of Flying
SPB	Seaplane Base
SR	sunrise
SRE.....	Surveillance Radar Element of GCA (Instrument Approach Procedures Identification only)
SS	sunset
SSALS/R.....	Simplified Short Approach Lighting System/with RAIL
SSB	Single Sideband
SSR	Secondary Surveillance Radar
std	standard
stn	station
stor	storage
str-in.....	Straight-in
stu	student
subj	subject
sum	summer
Sun	Sunday
sur	surround
survl	survival, surveillance
suspd.....	suspended
svc.....	service
svcg	servicing
SW	Southwest
sys.....	system
TA.....	Transition Altitude
TAC.....	Tactical Air Command
TAF	Aerodrome (terminal or alternate) forecast in abbreviated form
TALCE.....	Tanker Aircraft Control Element
TCA	Terminal Control Area
TCH	Threshold Crossing Height
TCTA.....	Transcontinental Control Area
TD	Touchdown
TDWR	Terminal Doppler Weather Radar
TDZ	Touchdown Zone
TDZL.....	Touchdown Zone Lights
tfc.....	traffic

AbbreviationDescription

thld	threshold
thou	thousand
thru	through
Thu	Thursday
til	until
tkf, tkof	take-off
TLv	Transition Level
tmpry	temporary
TODA	Take-Off Distance Available
TORA	Take-Off Run Available
TP	Tire Pressure
TPA	Traffic Pattern Altitude
TRACON	Terminal Radar Approach Control (FAA)
tran	transient
trans	transmit
trml	terminal
trng	training
trns	transition
TRSA	Terminal Radar Service Area
Tue	Tuesday
TV	Television
TWEB	Transcribed Weather Broadcast
twr	tower
twy	taxiway
UACC	Upper Area Control Center (used outside US)
UAS	Unmanned Aerial Systems
UC	Under Construction
UCN	Urgent Change Notice
UDA	Upper Advisory Area
UDF	Ultra High Frequency Direction Finder
UFN	until further notice
UHF	Ultra High Frequency (300 to 3000 MHz)
UIR	Upper Flight Information Region
unauthd	unauthorized
unavbl	unavailable
unctl	uncontrolled
unk	unknown
unlgt	unlighted
unltd	unlimited
unmrk	unmarked
unmto	unmonitored
unrel	unreliable
unrstd	unrestricted
unsatfy	unsatisfactory
unsked	unscheduled
unsvc	unserviceable
unuse, unusbl	unusable
USA	United States Army
USAF	United States Air Force
USB	Upper Side Band
USCG	United States Coast Guard
USMC	United States Marine Corps
USN	United States Navy
UTA	Upper Control Area
UTC	Coordinated Universal Time
V	Defense Switching Network (telephone, formerly AUTOVON)
V/STOL	Vertical and Short Take-off and Landing aircraft
VAL	Visiting Aircraft Line
var	variation (magnetic variation)
VASI	Visual Approach Slope Indicator
vcnty	vicinity

Abbreviation Description

VDF	Very High Frequency Direction Finder
veh	vehicle
vert	vertical
VFR	Visual Flight Rules
VFR-S	FLIP VFR Supplement
VHF	Very High Frequency (30 to 300 MHz)
VIP	Very Important Person
vis	visibility
VMC	Visual Meteorological Conditions
VOIP	Voice Over Internet Protocol
VOLMET	Meteorological Information for Aircraft in Flight
VOT	VOR Receiver Testing Facility
W	Warning Area (followed by identification), Watts, West, White
WCH	Wheel Crossing Height
Wed	Wednesday
Wg	Wing
WIE	with immediate effect
win	winter
WIP	work in progress
WSO	Weather Service Office
WSFO	Weather Service Forecast Office
wk	week
wkd	weekday
wkly	weekly
wng	warning
wo	without
WSP	Weather System Processor
wt	weight
wx	weather
yd	yard
yr	year
Z	Greenwich Mean Time (time groups only)

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	①	②	③	④	⑤	⑥	⑦	⑧
CITY NAME	AIRPORT NAME	(ALTERNATE NAME)	(LTS)(KLTS)	CIV/MIL	3 N	UTC-6(-5DT)	N34°41.93' W99°20.20'	JACKSONVILLE COTTER H-4G, L-19C IAP DIAP AD
	200 B TPA—1000(800) AOE LRA Class IV, ARFF Index A NOTAM FILE ORL Not insp.							
⑩ →	RWY 18-36: H12004X200 (ASPH-CONC-GRVD) S-90, D-160, 2D-300 PCN 80 R/B/W/T HIRL CL RWY 18: RL.S. MALSF. TD.L. REIL. PAPI(P2R)—GA 3.0° TCH 36'. RVR-TMR. Thld dplcd 300'. Trees. Rgt tfc. 0.3% up. RWY 36: ALSF1. 0.4% down. RWY 09-27: H6000X150 (ASPH) MIRL RWY 173-353: H3515X150 (ASPH-PFC) AUW PCN 59 F/A/W/T							
⑪ →	LAND AND HOLD—SHORT OPERATIONS							
	Ldg RWY HOLD—SHORT POINT AVBL Ldg DIST							
	RWY 18 09-27 6500							
	RWY 36 09-27 5400							
⑫ →	RUNWAY DECLARED DISTANCE INFORMATION							
	RWY 18: TORA-12004 TODA-12004 ASDA-11704 LDA-11504							
	RWY 36: TORA-12004 TODA-12004 ASDA-12004 LDA-11704							
⑬ →	ARRESTING GEAR/SYSTEM							
	RWY 18 HOOK E5 (65' OVRN) BAK-14 BAK-12B (1650') BAK-14 BAK-12B (1087') HOOK E5 (74' OVRN) RWY 36							
⑭ →	SERVICE: S4 FUEL 100LL, JET A X 1, 3 LGT ACTIVATE MALSRR Rwy 29, REIL Rwy 11, VASI Rwy 11, HIRL Rwy 11-29, PAPI Rwy 17 and Rwy 35, MIRL Rwy 17-35—CTAF. MILITARY—A-GEAR E-5 connected on dep end, disconnected on apch end.							
	JASU 3(AM32A-60) 2(A/M32A-86) FUEL J8(mil)(NC-100, A) FLUID W SP PRESAIR LOX OIL O-128 MAINT S1 Mon-Fri 1000-2200Z‡ TRAN ALERT Avbl 1300-0200Z‡ svc limited weekends.							
⑮ →	AIRPORT REMARKS: Special Air Traffic Rules—Part 93, see Regulatory Notices. Attended 1200-0300Z‡. Parachute Jumping. Deer invof arpt. Heavy jumbo jet training surface to 9000'. Twy A clsd indef. Flight Notification Service (ADCUS) avbl.							
⑯ →	MILITARY REMARKS: ANG PPR/Official Business Only. Base OPS DSN 638-4390, C503-335-4222. Ctc Base OPS 15 minutes prior to ldg and after dep. Limited tran parking.							
⑰ →	AIRPORT MANAGER: (580) 481-5739							
⑱ →	WEATHER DATA SOURCES: AWOS-1 120.3 (202) 426-8000. LAWR5.							
⑲ →	COMMUNICATIONS: SFA CTAF 122.8 UNICOM 122.95 ATIS 127.25 273.5 (202) 426-8003 PTD 372.2							
	NAME FSS (ORL) on arpt. 123.65 122.65 122.2 NAME RCO 112.2T 112.1R (NAME RADIO)							
	Ⓡ NAME APP/DEP CON 128.35 257.725 (1200-0400Z‡) TOWER 119.65 255.6 (1200-0400Z‡) GND CON 121.7 GCO 135.075 (ORLANDO CLNC) CLNC DEL 125.55 CPDLB D-HZWXR, D-TAXI, DCL (LOGON KMEM) NAME COMD POST (GERONIMO) 311.0 321.4 6761 PMSV METRO 239.8 NAME OPS 257.5							
㉑ →	AIRSPACE: CLASS B See VFR Terminal Area Chart.							
㉒ →	VOR TEST FACILITY (VOT): 116.7							
㉓ →	RADIO AIDS TO NAVIGATION: NOTAM FILE ORL. VHF/DF ctc FSS. (H) VORTAC 112.2 MCO Chan 59 N28°32.55' W81°20.12' at fld. 1110/8E. (H) TACAN Chan 29 CBU (109.2) N28°32.65' W81°21.12' at fld. 1115/8E. HERNY NDB (LOM) 221 OR N28°37.40' W81°21.05' 177° 5.4 NM to fld. ILS/DME 108.5 I-ORL Chan 22 Rwy 18. Class IIE. LOM HERNY NDB. ASR/PAR (1200-0400Z‡)							
㉔ →	COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.							
	HELIPAD H1: H100X75 (ASPH) HELIPAD H2: H60X60 (ASPH) HELIPORT REMARKS: Helipad H1 lctd on general aviation side and H2 lctd on air carrier side of arpt.							
	187 TPA 1000(813) WATERWAY 15-33: 5000X425 (WATER) SEAPLANE REMARKS: Birds roosting and feeding areas along river banks. Seaplanes operating adjacent to SW side of arpt not visible from twr and are required to ctc twr.							

NW. 31 MAR 2016 to 26 MAY 2016

10

SKETCH LEGEND

RUNWAYS/LANDING AREAS

Hard Surfaced	
Metal Surface	
Sod, Gravel, etc.	
Light Plane,	
Ski Landing Area or Water	
Under Construction	
Closed	
Helicopter Landings Area	
Displaced Threshold	
Taxiway, Apron and Stopways ..	

MISCELLANEOUS BASE AND CULTURAL FEATURES

Buildings	
Power Lines	
Fence	
Towers	
Wind Turbine	
Tanks	
Oil Well	
Smoke Stack	
Obstruction	
Controlling Obstruction	
Trees	
Populated Places	
Cuts and Fills	
Cliffs and Depressions ..	
Ditch	
Hill	

RADIO AIDS TO NAVIGATION

VORTAC ...		VOR	
VOR/DME ..		NDB	
TACAN		NDB/DME	

MISCELLANEOUS AERONAUTICAL FEATURES

Airport Beacon	
Wind Cone	
Landing Tee	
Tetrahedron	
Control Tower	or TWR

When control tower and rotating beacon are co-located beacon symbol will be used and further identified as TWR.

APPROACH LIGHTING SYSTEMS

A dot "•" portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g. (A₁) Negative symbology, e.g., (A₁) indicates Pilot Controlled Lighting (PCL).

Runway Centerline Lighting	
(A ₁) Approach Lighting System ALSF-2 ..	
(A ₁) Approach Lighting System ALSF-1 ..	
(A ₂) Short Approach Lighting System SALS/SALSF	
(A ₃) Simplified Short Approach Lighting System (SSALR) with RAIL	
(A ₄) Medium Intensity Approach Lighting System (MALS and MALSF)/(SSALS and SSALF)	
(A ₅) Medium Intensity Approach Lighting System (MALSR) and RAIL	
(Y) Omnidirectional Approach Lighting System (ODALS)	
(D) Navy Parallel Row and Cross Bar ..	
(†) Air Force Overrun	
(V) Visual Approach Slope Indicator with Standard Threshold Clearance provided	
(V ₂) Pulsating Visual Approach Slope Indicator (PVASI)	
(V ₃) 3-Bar, 6 or 16 box, Visual Approach Slope Indicator that provides 2 Glide Angles and 2 Threshold Crossing Heights.	
(V ₄) Tri-color Visual Approach Slope Indicator (TRCV)	
(V ₅) Approach Path Alignment Panel (APAP)	
(P) Precision Approach Path Indicator (PAPI)	

LEGEND

This directory is a listing of data on record with the FAA on public-use airports, military airports and selected private-use airports specifically requested by the Department of Defense (DoD) for which a DoD Instrument Approach Procedure has been published in the U.S. Terminal Procedures Publication. Additionally this listing contains data for associated terminal control facilities, air route traffic control centers, and radio aids to navigation within the conterminous United States, Puerto Rico and the Virgin Islands. Civil airports and joint Civil/Military airports which are open to the public are listed alphabetically by state, associated city and airport name and cross-referenced by airport name. Military airports and private-use (limited civil access) joint Military/Civil airports are listed alphabetically by state and official airport name and cross-referenced by associated city name. Navairs, flight service stations and remote communication outlets that are associated with an airport, but with a different name, are listed alphabetically under their own name, as well as under the airport with which they are associated.

The listing of an airport as open to the public in this directory merely indicates the airport operator's willingness to accommodate transient aircraft, and does not represent that the airport conforms with any Federal or local standards, or that it has been approved for use on the part of the general public. Military airports, private-use airports, and private-use (limited civil access) joint Military/Civil airports are open to civil pilots only in an emergency or with prior permission. See Special Notice Section, Civil Use of Military Fields.

The information on obstructions is taken from reports submitted to the FAA. Obstruction data has not been verified in all cases. Pilots are cautioned that objects not indicated in this tabulation (or on the airports sketches and/or charts) may exist which can create a hazard to flight operation. Detailed specifics concerning services and facilities tabulated within this directory are contained in the Aeronautical Information Manual, Basic Flight Information and ATC Procedures.

The legend items that follow explain in detail the contents of this Directory and are keyed to the circled numbers on the sample on the preceding pages.

① CITY/AIRPORT NAME

Civil and joint Civil/Military airports which are open to the public are listed alphabetically by state and associated city. Where the city name is different from the airport name the city name will appear on the line above the airport name. Airports with the same associated city name will be listed alphabetically by airport name and will be separated by a dashed rule line. A solid rule line will separate all others. FAA approved helipads and seaplane landing areas associated with a land airport will be separated by a dotted line. Military airports and private-use (limited civil access) joint Military/Civil airports are listed alphabetically by state and official airport name.

② ALTERNATE NAME

Alternate names, if any, will be shown in parentheses.

③ LOCATION IDENTIFIER

The location identifier is a three or four character FAA code followed by a four-character ICAO code, when assigned, to airports. If two different military codes are assigned, both codes will be shown with the primary operating agency's code listed first. These identifiers are used by ATC in lieu of the airport name in flight plans, flight strips and other written records and computer operations. Zeros will appear with a slash to differentiate them from the letter "O".

④ OPERATING AGENCY

Airports within this directory are classified into two categories, Military/Federal Government and Civil airports open to the general public, plus selected private-use airports. The operating agency is shown for military, private-use and joint use airports. The operating agency is shown by an abbreviation as listed below. When an organization is a tenant, the abbreviation is enclosed in parenthesis. No classification indicates the airport is open to the general public with no military tenant.

A	US Army	MC	Marine Corps
AFRC	Air Force Reserve Command	MIL/CIV	Joint Use Military/Civil Limited Civil Access
AF	US Air Force	N	Navy
ANG	Air National Guard	NAF	Naval Air Facility
AR	US Army Reserve	NAS	Naval Air Station
ARNG	US Army National Guard	NASA	National Air and Space Administration
CG	US Coast Guard	P	US Civil Airport Wherein Permit Covers Use by Transient Military Aircraft
CIV/MIL	Joint Use Civil/Military Open to the Public	PVT	Private Use Only (Closed to the Public)
DND	Department of National Defense Canada		

⑤ AIRPORT LOCATION

Airport location is expressed as distance and direction from the center of the associated city in nautical miles and cardinal points, e.g., 4 NE.

⑥ TIME CONVERSION

Hours of operation of all facilities are expressed in Coordinated Universal Time (UTC) and shown as "Z" time. The directory indicates the number of hours to be subtracted from UTC to obtain local standard time and local daylight saving time UTC-5(-4DT). The symbol ‡ indicates that during periods of Daylight Saving Time (DST) effective hours will be one hour earlier than shown. In those areas where daylight saving time is not observed the (-4DT) and ‡ will not be shown. Daylight saving time is in effect from 0200 local time the second Sunday in March to 0200 local time the first Sunday in November. Canada and all U.S. Conterminous States observe daylight saving time except Arizona and Puerto Rico, and the Virgin Islands. If the state observes daylight saving time and the operating times are other than daylight saving times, the operating hours will include the dates, times and no ‡ symbol will be shown, i.e., April 15–Aug 31 0630–1700Z, Sep 1–Apr 14 0600–1700Z.

⑦ GEOGRAPHIC POSITION OF AIRPORT—AIRPORT REFERENCE POINT (ARP)

Positions are shown as hemisphere, degrees, minutes and hundredths of a minute and represent the approximate geometric center of all usable runway surfaces.

⑧ CHARTS

Charts refer to the Sectional Chart and Low and High Altitude Enroute Chart and panel on which the airport or facility is located. Helicopter Chart locations will be indicated as COPTER. IFR Gulf of Mexico West and IFR Gulf of Mexico Central will be depicted as GOMW and GOMC.

⑨ INSTRUMENT APPROACH PROCEDURES, AIRPORT DIAGRAMS

IAP indicates an airport for which a prescribed (Public Use) FAA Instrument Approach Procedure has been published. DIAP indicates an airport for which a prescribed DoD Instrument Approach Procedure has been published in the U.S. Terminal Procedures. See the Special Notice Section of this directory, Civil Use of Military Fields and the Aeronautical Information Manual 5-4-5 Instrument Approach Procedure Charts for additional information. AD indicates an airport for which an airport diagram has been published. Airport diagrams are located in the back of each Chart Supplement volume alphabetically by associated city and airport name.

⑩ AIRPORT SKETCH

The airport sketch, when provided, depicts the airport and related topographical information as seen from the air and should be used in conjunction with the text. It is intended as a guide for pilots in VFR conditions. Symbology that is not self-explanatory will be reflected in the sketch legend. The airport sketch will be oriented with True North at the top. Airport sketches will be added incrementally.

⑪ ELEVATION

The highest point of an airport's usable runways measured in feet from mean sea level. When elevation is sea level it will be indicated as "00". When elevation is below sea level a minus "-" sign will precede the figure.

⑫ ROTATING LIGHT BEACON

B indicates rotating beacon is available. Rotating beacons operate sunset to sunrise unless otherwise indicated in the AIRPORT REMARKS or MILITARY REMARKS segment of the airport entry.

⑬ TRAFFIC PATTERN ALTITUDE

Traffic Pattern Altitude (TPA)—The first figure shown is TPA above mean sea level. The second figure in parentheses is TPA above airport elevation. Multiple TPA shall be shown as "TPA—See Remarks" and detailed information shall be shown in the Airport or Military Remarks Section. Traffic pattern data for USAF bases, USN facilities, and U.S. Army airports (including those on which ACC or U.O. Army is a tenant) that deviate from standard pattern altitudes shall be shown in Military Remarks.

⑭ AIRPORT OF ENTRY, LANDING RIGHTS, AND CUSTOMS USER FEE AIRPORTS

U.S. CUSTOMS USER FEE AIRPORT—Private Aircraft operators are frequently required to pay the costs associated with customs processing.

AOE—Airport of Entry. A customs Airport of Entry where permission from U.S. Customs is not required to land. However, at least one hour advance notice of arrival is required.

LRA—Landing Rights Airport. Application for permission to land must be submitted in advance to U.S. Customs. At least one hour advance notice of arrival is required.

NOTE: Advance notice of arrival at both an AOE and LRA airport may be included in the flight plan when filed in Canada or Mexico. Where Flight Notification Service (ADCUS) is available the airport remark will indicate this service. This notice will also be treated as an application for permission to land in the case of an LRA. Although advance notice of arrival may be relayed to Customs through Mexico, Canada, and U.S. Communications facilities by flight plan, the aircraft operator is solely responsible for ensuring that Customs receives the notification. (See Customs, Immigration and Naturalization, Public Health and Agriculture Department requirements in the International Flight Information Manual for further details.)

U.S. CUSTOMS AIR AND SEA PORTS, INSPECTORS AND AGENTS

Northeast Sector (New England and Atlantic States—ME to MD)	407-975-1740
Southeast Sector (Atlantic States—DC, WV, VA to FL)	407-975-1780
Central Sector (Interior of the US, including Gulf states—MS, AL, LA)	407-975-1760
Southwest East Sector (OK and eastern TX)	407-975-1840
Southwest West Sector (Western TX, NM and AZ)	407-975-1820
Pacific Sector (WA, OR, CA, HI and AK)	407-975-1800

⑮ CERTIFICATED AIRPORT (14 CFR PART 139)

Airports serving Department of Transportation certified carriers and certified under 14 CFR part 139 are indicated by the Class and the ARFF Index; e.g. Class I, ARFF Index A, which relates to the availability of crash, fire, rescue equipment. Class I airports can have an ARFF Index A through E, depending on the aircraft length and scheduled departures. Class II, III, and IV will always carry an Index A.

AIRPORT CLASSIFICATIONS

Type of Air Carrier Operation	Class I	Class II	Class III	Class IV
Scheduled Air Carrier Aircraft with 31 or more passenger seats	X			
Unscheduled Air Carrier Aircraft with 31 or more passengers seats	X	X		X
Scheduled Air Carrier Aircraft with 10 to 30 passenger seats	X	X	X	

INDICES AND AIRCRAFT RESCUE AND FIRE FIGHTING EQUIPMENT REQUIREMENTS

Airport Index	Required No. Vehicles	Aircraft Length	Scheduled Departures	Agent + Water for Foam
A	1	<90'	≥1	500#DC or HALON 1211 or 450#DC + 100 gal H ₂ O
B	1 or 2	≥90', <126'	≥5	Index A + 1500 gal H ₂ O
		≥126', <159'	<5	
C	2 or 3	≥126', <159'	≥5	Index A + 3000 gal H ₂ O
		≥159', <200'	<5	
D	3	≥159', <200'		Index A + 4000 gal H ₂ O
		>200'	<5	
E	3	≥200'	≥5	Index A + 6000 gal H ₂ O

> Greater Than; < Less Than; ≥ Equal or Greater Than; ≤ Equal or Less Than; H₂O—Water; DC—Dry Chemical.

NOTE: The listing of ARFF index does not necessarily assure coverage for non-air carrier operations or at other than prescribed times for air carrier. ARFF Index Ltd.—indicates ARFF coverage may or may not be available, for information contact airport manager prior to flight.

16 NOTAM SERVICE

All public use landing areas are provided NOTAM service. A NOTAM FILE identifier is shown for individual landing areas, e.g., "NOTAM FILE BNA". See the AIM, Basic Flight Information and ATC Procedures for a detailed description of NOTAMs. Current NOTAMs are available from flight service stations at 1-800-WX-BRIEF (992-7433) or online through the FAA PilotWeb at <https://pilotweb.nas.faa.gov>. Military NOTAMs are available using the Defense Internet NOTAM Service (DINS) at <https://www.notams.faa.gov>. Pilots flying to or from airports not available through the FAA PilotWeb or DINS can obtain assistance from Flight Service.

17 FAA INSPECTION

All airports not inspected by FAA will be identified by the note: Not insp. This indicates that the airport information has been provided by the owner or operator of the field.

18 RUNWAY DATA

Runway information is shown on two lines. That information common to the entire runway is shown on the first line while information concerning the runway ends is shown on the second or following line. Runway direction, surface, length, width, weight bearing capacity, lighting, and slope, when available are shown for each runway. Multiple runways are shown with the longest runway first. Direction, length, width, and lighting are shown for sea-lanes. The full dimensions of helipads are shown, e.g., 50X150. Runway data that requires clarification will be placed in the remarks section.

RUNWAY DESIGNATION

Runways are normally numbered in relation to their magnetic orientation rounded off to the nearest 10 degrees. Parallel runways can be designated L (left)/R (right)/C (center). Runways may be designated as Ultralight or assault strips. Assault strips are shown by magnetic bearing.

RUNWAY DIMENSIONS

Runway length and width are shown in feet. Length shown is runway end to end including displaced thresholds, but excluding those areas designed as overruns.

RUNWAY SURFACE AND SURFACE TREATMENT

Runway lengths prefixed by the letter "H" indicate that the runways are hard surfaced (concrete, asphalt, or part asphalt-concrete). If the runway length is not prefixed, the surface is sod, clay, etc. The runway surface composition is indicated in parentheses after runway length as follows:

(AFSC)—Aggregate friction seal coat	(GRVL)—Gravel, or cinders	(SAND)—Sand
(AM2)—Temporary metal planks coated with nonskid material	(MATS)—Pierced steel planking, landing mats, membranes	(TURF)—Turf
(ASPH)—Asphalt	(PEM)—Part concrete, part asphalt	(TRTD)—Treated
(CONC)—Concrete	(PFC)—Porous friction courses	(WC)—Wire combed
(DIRT)—Dirt	(PSP)—Pierced steel plank	
(GRVD)—Grooved	(RFSC)—Rubberized friction seal coat	

RUNWAY WEIGHT BEARING CAPACITY

Runway strength data shown in this publication is derived from available information and is a realistic estimate of capability at an average level of activity. It is not intended as a maximum allowable weight or as an operating limitation. Many airport pavements are capable of supporting limited operations with gross weights in excess of the published figures. Permissible operating weights, insofar as runway strengths are concerned, are a matter of agreement between the owner and user. When desiring to operate into any airport at weights in excess of those published in the publication, users should contact the airport management for permission. Runway strength figures are shown in thousand of pounds, with the last three figures being omitted. Add 000 to figure following S, D, 2S, 2T, AUW, SWL, etc., for gross weight capacity. A blank space following the letter designator is used to indicate the runway can sustain aircraft with this type landing gear, although definite runway weight bearing capacity figures are not available, e.g., S, D. Applicable codes for typical gear configurations with S=Single, D=Dual, T=Triple and Q=Quadruple:

CURRENT	NEW	NEW DESCRIPTION
S	S	Single wheel type landing gear (DC3), (C47), (F15), etc.
D	D	Dual wheel type landing gear (BE1900), (B737), (A319), etc.
T	D	Dual wheel type landing gear (P3, C9).
ST	2S	Two single wheels in tandem type landing gear (C130).
TRT	2T	Two triple wheels in tandem type landing gear (C17), etc.
DT	2D	Two dual wheels in tandem type landing gear (B707), etc.
TT	2D	Two dual wheels in tandem type landing gear (B757, KC135).
SBTT	2D/D1	Two dual wheels in tandem/dual wheel body gear type landing gear (KC10).
None	2D/2D1	Two dual wheels in tandem/two dual wheels in tandem body gear type landing gear (A340-600).
DDT	2D/2D2	Two dual wheels in tandem/two dual wheels in double tandem body gear type landing gear (B747, E4).
TTT	3D	Three dual wheels in tandem type landing gear (B777), etc.
TT	D2	Dual wheel gear two struts per side main gear type landing gear (B52).
TDT	C5	Complex dual wheel and quadruple wheel combination landing gear (C5).

AUW—All up weight. Maximum weight bearing capacity for any aircraft irrespective of landing gear configuration.

SWL—Single Wheel Loading. (This includes information submitted in terms of Equivalent Single Wheel Loading (ESWL) and Single Isolated Wheel Loading).

PSI—Pounds per square inch. PSI is the actual figure expressing maximum pounds per square inch runway will support, e.g., (SWL 000/PSI 535).

Omission of weight bearing capacity indicates information unknown.

The ACN/PCN System is the ICAO standard method of reporting pavement strength for pavements with bearing strengths greater than 12,500 pounds. The Pavement Classification Number (PCN) is established by an engineering assessment of the runway. The PCN is for use in conjunction with an Aircraft Classification Number (ACN). Consult the Aircraft Flight Manual, Flight Information Handbook, or other appropriate source for ACN tables or charts. Currently, ACN data may not be available for all aircraft. If an ACN table or chart is available, the ACN can be calculated by taking into account the aircraft weight, the pavement type, and the subgrade category. For runways that have been evaluated under the ACN/PCN system, the PCN will be shown as a five-part code (e.g. PCN 80 R/B/W/T). Details of the coded format are as follows:

NOTE: Prior permission from the airport controlling authority is required when the ACN of the aircraft exceeds the published PCN or aircraft tire pressure exceeds the published limits.

- (1) The PCN NUMBER—The reported PCN indicates that an aircraft with an ACN equal or less than the reported PCN can operate on the pavement subject to any limitation on the tire pressure.
- (2) The type of pavement:
R — Rigid
F — Flexible
- (3) The pavement subgrade category:
A — High
B — Medium
C — Low
D — Ultra-low
- (4) The maximum tire pressure authorized for the pavement:
W — Unlimited, no pressure limit
X — High, limited to 254 psi (1.75 MPa)
Y — Medium, limited to 181 psi (1.25MPa)
Z — Low, limited to 73 psi (0.50 MPa)
- (5) Pavement evaluation method:
T — Technical evaluation
U — By experience of aircraft using the pavement

RUNWAY LIGHTING

Lights are in operation sunset to sunrise. Lighting available by prior arrangement only or operating part of the night and/or pilot controlled lighting with specific operating hours are indicated under airport or military remarks. At USN/USMC facilities lights are available only during airport hours of operation. Since obstructions are usually lighted, obstruction lighting is not included in this code. Unlighted obstructions on or surrounding an airport will be noted in airport or military remarks. Runway lights nonstandard (NSTD) are systems for which the light fixtures are not FAA approved L-800 series: color, intensity, or spacing does not meet FAA standards. Nonstandard runway lights, VASI, or any other system not listed below will be shown in airport remarks or military

service. Temporary, emergency or limited runway edge lighting such as flares, smudge pots, lanterns or portable runway lights will also be shown in airport remarks or military service. Types of lighting are shown with the runway or runway end they serve.

NSTD—Light system fails to meet FAA standards.

LIRL—Low Intensity Runway Lights.

MIRL—Medium Intensity Runway Lights.

HIRL—High Intensity Runway Lights.

RAIL—Runway Alignment Indicator Lights.

REIL—Runway End Identifier Lights.

CL—Centerline Lights.

TDZL—Touchdown Zone Lights.

ODALS—Omni Directional Approach Lighting System.

AF OVRN—Air Force Overrun 1000' Standard Approach Lighting System.

MALS—Medium Intensity Approach Lighting System.

MALSF—Medium Intensity Approach Lighting System with Sequenced Flashing Lights.

MALSR—Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights.

RLLS—Runway Lead-in Light System

SALS—Short Approach Lighting System.

SALSF—Short Approach Lighting System with Sequenced Flashing Lights.

SSALS—Simplified Short Approach Lighting System.

SSALF—Simplified Short Approach Lighting System with Sequenced Flashing Lights.

SSALR—Simplified Short Approach Lighting System with Runway Alignment Indicator Lights.

ALSAF—High Intensity Approach Lighting System with Sequenced Flashing Lights.

ALSF1—High Intensity Approach Lighting System with Sequenced Flashing Lights, Category I, Configuration.

ALSF2—High Intensity Approach Lighting System with Sequenced Flashing Lights, Category II, Configuration.

SF—Sequenced Flashing Lights.

OLS—Optical Landing System.

WAVE-OFF.

NOTE: Civil ALSF2 may be operated as SSALR during favorable weather conditions. When runway edge lights are positioned more than 10 feet from the edge of the usable runway surface a remark will be added in the "Remarks" portion of the airport entry. This is applicable to Air Force, Air National Guard and Air Force Reserve Bases, and those joint use airfields on which they are tenants.

VISUAL GLIDESLOPE INDICATORS

APAP—A system of panels, which may or may not be lighted, used for alignment of approach path.

PNIL APAP on left side of runway

PNIR APAP on right side of runway

PAPI—Precision Approach Path Indicator

P2L 2-identical light units placed on left side of runway

P4L 4-identical light units placed on left side of runway

P2R 2-identical light units placed on right side of runway

P4R 4-identical light units placed on right side of runway

PVASI—Pulsating/steady burning visual approach slope indicator, normally a single light unit projecting two colors.

PSIL PVASI on left side of runway

PSIR PVASI on right side of runway

SAVASI—Simplified Abbreviated Visual Approach Slope Indicator

S2L 2-box SAVASI on left side of runway

S2R 2-box SAVASI on right side of runway

TRCV—Tri-color visual approach slope indicator, normally a single light unit projecting three colors.

TRIL TRCV on left side of runway

TRIR TRCV on right side of runway

VASI—Visual Approach Slope Indicator

V2L 2-box VASI on left side of runway

V6L 6-box VASI on left side of runway

V2R 2-box VASI on right side of runway

V6R 6-box VASI on right side of runway

V4L 4-box VASI on left side of runway

V12 12-box VASI on both sides of runway

V4R 4-box VASI on right side of runway

V16 16-box VASI on both sides of runway

NOTE: Approach slope angle and threshold crossing height will be shown when available; i.e., -GA 3.5° TCH 37'.

PILOT CONTROL OF AIRPORT LIGHTING

Key Mike

7 times within 5 seconds

5 times within 5 seconds

3 times within 5 seconds

Function

Highest intensity available

Medium or lower intensity (Lower REIL or REIL-Off)

Lowest intensity available (Lower REIL or REIL-Off)

Available systems will be indicated in the Service section, e.g., **LGT** ACTIVATE HIRL Rwy 07-25, MALSR Rwy 07, and VASI Rwy 07—122.8.

Where the airport is not served by an instrument approach procedure and/or has an independent type system of different specification installed by the airport sponsor, descriptions of the type lights, method of control, and operating frequency will be explained in clear text. See AIM, "Basic Flight Information and ATC Procedures," for detailed description of pilot control of airport lighting.

RUNWAY SLOPE

When available, runway slope data will be provided. Runway slope will be shown only when it is 0.3 percent or greater. On runways less than 8000 feet, the direction of the slope up will be indicated, e.g., 0.3% up NW. On runways 8000 feet or greater, the slope will be shown (up or down) on the runway end line, e.g., RWY 13: 0.3% up., RWY 31: Pole. Rgt t/c. 0.4% down.

RUNWAY END DATA

Information pertaining to the runway approach end such as approach lights, touchdown zone lights, runway end identification lights, visual glideslope indicators, displaced thresholds, controlling obstruction, and right hand traffic pattern, will be shown on the specific runway end. "Rgt tfc"—Right traffic indicates right turns should be made on landing and takeoff for specified runway end. Runway Visual Range shall be shown as "RVR" appended with "T" for touchdown, "M" for midpoint, and "R" for rollout; e.g., RVR-TMR.

19 LAND AND HOLD—SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold-Short Operations" These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

20 RUNWAY DECLARED DISTANCE INFORMATION

TORA—Take-off Run Available. The length of runway declared available and suitable for the ground run of an aeroplane take-off.

TODA—Take-off Distance Available. The length of the take-off run available plus the length of the clearway, if provided.

ASDA—Accelerate-Stop Distance Available. The length of the take-off run available plus the length of the stopway, if provided.

LDA—Landing Distance Available. The length of runway which is declared available and suitable for the ground run of an aeroplane landing.

21 ARRESTING GEAR/SYSTEMS

Arresting gear is shown as it is located on the runway. The a-gear distance from the end of the appropriate runway (or into the overrun) is indicated in parentheses. A-Gear which has a bi-direction capability and can be utilized for emergency approach end engagement is indicated by a (B). Up to 15 minutes advance notice may be required for rigging A-Gear for approach and engagement. Airport listing may show availability of other than US Systems. This information is provided for emergency requirements only. Refer to current aircraft operating manuals for specific engagement weight and speed criteria based on aircraft structural restrictions and arresting system limitations.

Following is a list of current systems referenced in this publication identified by both Air Force and Navy terminology:

BI-DIRECTIONAL CABLE (B)

TYPE	DESCRIPTION
BAK-9	Rotary friction brake.
BAK-12A	Standard BAK-12 with 950 foot run out, 1-inch cable and 40,000 pound weight setting. Rotary friction brake.
BAK-12B	Extended BAK-12 with 1200 foot run, 1¼ inch Cable and 50,000 pounds weight setting. Rotary friction brake.
E28	Rotary Hydraulic (Water Brake).
M21	Rotary Hydraulic (Water Brake) Mobile.

The following device is used in conjunction with some aircraft arresting systems:

BAK-14	A device that raises a hook cable out of a slot in the runway surface and is remotely positioned for engagement by the tower on request. (In addition to personnel reaction time, the system requires up to five seconds to fully raise the cable.)
H	A device that raises a hook cable out of a slot in the runway surface and is remotely positioned for engagement by the tower on request. (In addition to personnel reaction time, the system requires up to one and one-half seconds to fully raise the cable.)

UNI-DIRECTIONAL CABLE

TYPE	DESCRIPTION
MB60	Textile brake—an emergency one-time use, modular braking system employing the tearing of specially woven textile straps to absorb the kinetic energy.
E5/E5-1/E5-3	Chain Type. At USN/USMC stations E-5 A-GEAR systems are rated, e.g., E-5 RATING-13R-1100 HW (DRY), 31L/R-1200 STD (WET). This rating is a function of the A-GEAR chain weight and length and is used to determine the maximum aircraft engaging speed. A dry rating applies to a stabilized surface (dry or wet) while a wet rating takes into account the amount (if any) of wet overrun that is not capable of withstanding the aircraft weight. These ratings are published under Service/Military/A-Gear in the entry.

FOREIGN CABLE

TYPE	DESCRIPTION	US EQUIVALENT
44B-3H	Rotary Hydraulic (Water Brake)	
CHAG	Chain	E-5

UNI-DIRECTIONAL BARRIER

TYPE	DESCRIPTION
MA-1A	Web barrier between stanchions attached to a chain energy absorber.
BAK-15	Web barrier between stanchions attached to an energy absorber (water squeezer, rotary friction, chain). Designed for wing engagement.

NOTE: Landing short of the runway threshold on a runway with a BAK-15 in the underrun is a significant hazard. The barrier in the down position still protrudes several inches above the underrun. Aircraft contact with the barrier short of the runway threshold can cause damage to the barrier and substantial damage to the aircraft.

OTHER

TYPE	DESCRIPTION
EMAS	Engineered Material Arresting System, located beyond the departure end of the runway, consisting of high energy absorbing materials which will crush under the weight of an aircraft.

22 SERVICE**SERVICING—CIVIL**

- | | |
|--|--|
| S1: Minor airframe repairs. | S5: Major airframe repairs. |
| S2: Minor airframe and minor powerplant repairs. | S6: Minor airframe and major powerplant repairs. |
| S3: Major airframe and minor powerplant repairs. | S7: Major powerplant repairs. |
| S4: Major airframe and major powerplant repairs. | S8: Minor powerplant repairs. |

FUEL—CIVIL

CODE	FUEL	CODE	FUEL
80	Grade 80 gasoline (Red)	A1 +	Jet A-1, Kerosene with FS-II*, FP** minus 47° C.
100	Grade 100 gasoline (Green)	B	Jet B, Wide-cut, turbine fuel without FS-II*, FP** minus 50° C.
100LL	100LL gasoline (low lead) (Blue)	B +	Jet B, Wide-cut, turbine fuel with FS-II*, FP** minus 50° C
115	Grade 115 gasoline (115/145 military specification) (Purple)	J4 (JP4)	(JP-4 military specification) FP** minus 58° C.
A	Jet A, Kerosene, without FS-II*, FP** minus 40° C.	J5 (JP5)	(JP-5 military specification) Kerosene with FS-II, FP** minus 46°C.
A +	Jet A, Kerosene, with FS-II*, FP** minus 40°C.	J8 (JP8)	(JP-8 military specification) Jet A-1, Kerosene with FS-II*, Cl/LI#, SDA##, FP** minus 47°C.
A + +	Jet A, Kerosene, with FS-II*, Cl/LI#, SDA##, FP** minus 40°C.	J8 + 100	(JP-8 military specification) Jet A-1, Kerosene with FS-II*, Cl/LI#, SDA##, FP** minus 47°C, with +100 fuel additive that improves thermal stability characteristics of kerosene jet fuels.
A + + 100	Jet A, Kerosene, with FS-II*, Cl/LI#, SDA##, FP** minus 40°C, with +100 fuel additive that improves thermal stability characteristics of kerosene jet fuels.	J	(Jet Fuel Type Unknown)
A1	Jet A-1, Kerosene, without FS-II*, FP** minus 47°C.	MOGAS	Automobile gasoline which is to be used as aircraft fuel.

*(Fuel System Icing Inhibitor) ** (Freeze Point) # (Corrosion Inhibitors/Lubricity Improvers) ## (Static Dissipator Additive)

NOTE: Certain automobile gasoline may be used in specific aircraft engines if a FAA supplemental type certificate has been obtained. Automobile gasoline, which is to be used in aircraft engines, will be identified as "MOGAS", however, the grade/type and other octane rating will not be published.

Data shown on fuel availability represents the most recent information the publisher has been able to acquire. Because of a variety of factors, the fuel listed may not always be obtainable by transient civil pilots. Confirmation of availability of fuel should be made directly with fuel suppliers at locations where refueling is planned.

OXYGEN—CIVIL

- | | |
|--------------------|--|
| OX 1 High Pressure | OX 3 High Pressure—Replacement Bottles |
| OX 2 Low Pressure | OX 4 Low Pressure—Replacement Bottles |

SERVICE—MILITARY

Specific military services available at the airport are listed under this general heading. Remarks applicable to any military service are shown in the individual service listing.

JET AIRCRAFT STARTING UNITS (JASU)—MILITARY

The numeral preceding the type of unit indicates the number of units available. The absence of the numeral indicates ten or more units available. If the number of units is unknown, the number one will be shown. Absence of JASU designation indicates non-availability.

The following is a list of current JASU systems referenced in this publication:

USAF JASU (For variations in technical data, refer to T.O. 35-1-7.)**ELECTRICAL STARTING UNITS:**

AM32A-86	AC: 115/200v, 3 phase, 90 kva, 0.8 pf, 4 wire DC: 28v, 1500 amp, 72 kw (with TR pack)
MC-1A	AC: 115/208v, 400 cycle, 3 phase, 37.5 kva, 0.8 pf, 108 amp, 4 wire DC: 28v, 500 amp, 14 kw
MD-3	AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire DC: 28v, 1500 amp, 45 kw, split bus
MD-3A	AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire DC: 28v, 1500 amp, 45 kw, split bus
MD-3M	AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire DC: 28v, 500 amp, 15 kw
MD-4	AC: 120/208v, 400 cycle, 3 phase, 62.5 kva, 0.8 pf, 175 amp, "WYE" neutral ground, 4 wire, 120v, 400 cycle, 3 phase, 62.5 kva, 0.8 pf, 303 amp, "DELTA" 3 wire, 120v, 400 cycle, 1 phase, 62.5 kva, 0.8 pf, 520 amp, 2 wire

AIR STARTING UNITS

AM32-95	150 +/- 5 lb/min (2055 +/- 68 cfm) at 51 +/- 2 psia
AM32A-95	150 +/- 5 lb/min @ 49 +/- 2 psia (35 +/- 2 psig)
LASS	150 +/- 5 lb/min @ 49 +/- 2 psia
MA-1A	82 lb/min (1123 cfm) at 130° air inlet temp, 45 psia (min) air outlet press
MC-1	15 cfm, 3500 psia
MC-1A	15 cfm, 3500 psia
MC-2A	15 cfm, 200 psia
MC-11	8,000 cu in cap, 4000 psig, 15 cfm

COMBINED AIR AND ELECTRICAL STARTING UNITS:

AGPU	AC: 115/200v, 400 cycle, 3 phase, 30 kw gen DC: 28v, 700 amp AIR: 60 lb/min @ 40 psig @ sea level
AM32A-60*	AIR: 120 +/- 4 lb/min (1644 +/- 55 cfm) at 49 +/- 2 psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire, 120v, 1 phase, 25 kva DC: 28v, 500 amp, 15 kw
AM32A-60A	AIR: 150 +/- 5 lb/min (2055 +/- 68 cfm) at 51 +/- 2 psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire DC: 28v, 200 amp, 5.6 kw
AM32A-60B*	AIR: 130 lb/min, 50 psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire DC: 28v, 200 amp, 5.6 kw

*NOTE: During combined air and electrical loads, the pneumatic circuitry takes preference and will limit the amount of electrical power available.

USN JASU

ELECTRICAL STARTING UNITS:

NC-8A/A1	DC: 500 amp constant, 750 amp intermittent, 28v; AC: 60 kva @ .8 pf, 115/200v, 3 phase, 400 Hz.
NC-10A/A1/B/C	DC: 750 amp constant, 1000 amp intermittent, 28v; AC: 90 kva, 115/200v, 3 phase, 400 Hz.

AIR STARTING UNITS:

GTC-85/GTE-85	120 lbs/min @ 45 psi.
MSU-200NAV/A/U47A-5	204 lbs/min @ 56 psia.
WELLS AIR START SYSTEM	180 lbs/min @ 75 psi or 120 lbs/min @ 45 psi. Simultaneous multiple start capability.

COMBINED AIR AND ELECTRICAL STARTING UNITS:

NCPP-105/RCPT	180 lbs/min @ 75 psi or 120 lbs/min @ 45 psi. 700 amp, 28v DC. 120/208v, 400 Hz AC, 30 kva.
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ARMY JASU

59B2-1B	28v, 7.5 kw, 280 amp.
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OTHER JASU

ELECTRICAL STARTING UNITS (DND):

CE12	AC 115/200v, 140 kva, 400 Hz, 3 phase
CE13	AC 115/200v, 60 kva, 400 Hz, 3 phase
CE14	AC/DC 115/200v, 140 kva, 400 Hz, 3 phase, 28vDC, 1500 amp
CE15	DC 22-35v, 500 amp continuous 1100 amp intermittent
CE16	DC 22-35v, 500 amp continuous 1100 amp intermittent soft start

AIR STARTING UNITS (DND):

CA2	ASA 45.5 psig, 116.4 lb/min
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COMBINED AIR AND ELECTRICAL STARTING UNITS (DND)

CEA1	AC 120/208v, 60 kva, 400 Hz, 3 phase DC 28v, 75 amp AIR 112.5 lb/min, 47 psig
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ELECTRICAL STARTING UNITS (OTHER)

C-26	28v 45kw 115-200v 15kw 380-800 Hz 1 phase 2 wire
C-26-B, C-26-C	28v 45kw: Split Bus: 115-200v 15kw 380-800 Hz 1 phase 2 wire
E3	DC 28v/10kw

AIR STARTING UNITS (OTHER):

A4	40 psi/2 lb/sec (LPAS Mk12, Mk12L, Mk12A, Mk1, Mk2B)
MA-1	150 Air HP, 115 lb/min 50 psia
MA-2	250 Air HP, 150 lb/min 75 psia

CARTRIDGE:

MXU-4A	USAF
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FUEL—MILITARY

Fuel available through US Military Base supply, DESC Into-Plane Contracts and/or reciprocal agreement is listed first and is followed by (Mil). At commercial airports where Into-Plane contracts are in place, the name of the refueling agent is shown. Military fuel should be used first if it is available. When military fuel cannot be obtained but Into-Plane contract fuel is available, Government aircraft must refuel with the contract fuel and applicable refueling agent to avoid any breach in contract terms and conditions. Fuel not available through the above is shown preceded by NC (no contract). When fuel is obtained from NC sources, local purchase procedures must be followed. The US Military Aircraft Identaplates DD Form 1896 (Jet Fuel), DD Form 1897 (Avgas) and AF Form 1245 (Avgas) are used at military installations only. The US Government Aviation Into-Plane Reimbursement (AIR) Card (currently issued by AVCARD) is the instrument to be used to obtain fuel under a DESC Into-Plane Contract and for NC purchases if the refueling agent at the commercial airport accepts the AVCARD. A current list of contract fuel locations is available online at https://cis.energy.dla.mil/ip_cis/. See legend item 14 for fuel code and description.

SUPPORTING FLUIDS AND SYSTEMS—MILITARY**CODE**

ADI	Anti-Detonation Injection Fluid—Reciprocating Engine Aircraft.
W	Water Thrust Augmentation—Jet Aircraft.
WAI	Water-Alcohol Injection Type, Thrust Augmentation—Jet Aircraft.
SP	Single Point Refueling.
PRESAIR	Air Compressors rated 3,000 PSI or more.
De-Ice	Anti-icing/De-icing/Defrosting Fluid (MIL-A-8243).

OXYGEN:

LPOX	Low pressure oxygen servicing.
HPOX	High pressure oxygen servicing.
LHOX	Low and high pressure oxygen servicing.
LOX	Liquid oxygen servicing.
OXRB	Oxygen replacement bottles. (Maintained primarily at Naval stations for use in acft where oxygen can be replenished only by replacement of cylinders.)
OX	Indicates oxygen servicing when type of servicing is unknown.
NOTE: Combinations of above items is used to indicate complete oxygen servicing available;	
LHOXRB	Low and high pressure oxygen servicing and replacement bottles;
LPOXRB	Low pressure oxygen replacement bottles only, etc.

NOTE: Aircraft will be serviced with oxygen procured under military specifications only. Aircraft will not be serviced with medical oxygen.

NITROGEN:

LPNIT	Low pressure nitrogen servicing.
HPNIT	High pressure nitrogen servicing.
LHNIT	Low and high pressure nitrogen servicing.

OIL—MILITARY**US AVIATION OILS (MIL SPECS):**

CODE	GRADE, TYPE
O-113	1065, Reciprocating Engine Oil (MIL-L-6082)
O-117	1100, Reciprocating Engine Oil (MIL-L-6082)
O-117+	1100, O-117 plus cyclohexanone (MIL-L-6082)
O-123	1065, (Dispersant), Reciprocating Engine Oil (MIL-L-22851 Type III)
O-128	1100, (Dispersant), Reciprocating Engine Oil (MIL-L-22851 Type II)
O-132	1005, Jet Engine Oil (MIL-L-6081)
O-133	1010, Jet Engine Oil (MIL-L-6081)
O-147	None, MIL-L-6085A Lubricating Oil, Instrument, Synthetic
O-148	None, MIL-L-7808 (Synthetic Base) Turbine Engine Oil
O-149	None, Aircraft Turbine Engine Synthetic, 7.5c St
O-155	None, MIL-L-6086C, Aircraft, Medium Grade
O-156	None, MIL-L-23699 (Synthetic Base), Turboprop and Turboshaft Engines
JOAP/SOAP	Joint Oil Analysis Program. JOAP support is furnished during normal duty hours, other times on request. (JOAP and SOAP programs provide essentially the same service, JOAP is now the standard joint service supported program.)

TRANSIENT ALERT (TRAN ALERT)—MILITARY

Tran Alert service is considered to include all services required for normal aircraft turn-around, e.g., servicing (fuel, oil, oxygen, etc.), debriefing to determine requirements for maintenance, minor maintenance, inspection and parking assistance of transient aircraft. Drag chute repack, specialized maintenance, or extensive repairs will be provided within the capabilities and priorities of the base. Delays can be anticipated after normal duty hours/holidays/weekends regardless of the hours of transient maintenance operation. Pilots should not expect aircraft to be serviced for TURN-AROUNDS during time periods when servicing or maintenance manpower is not available. In the case of airports not operated exclusively by US military, the servicing indicated by the remarks will not always be available for US military aircraft. When transient alert services are not shown, facilities are unknown. NO PRIORITY BASIS—means that transient alert services will be provided only after all the requirements for mission/tactical assigned aircraft have been accomplished.

(23) AIRPORT REMARKS

The Attendance Schedule is the months, days and hours the airport is actually attended. Airport attendance does not mean watchman duties or telephone accessibility, but rather an attendant or operator on duty to provide at least minimum services (e.g., repairs, fuel, transportation).

Airport Remarks have been grouped in order of applicability. Airport remarks are limited to those items of information that are determined essential for operational use, i.e., conditions of a permanent or indefinite nature and conditions that will remain in effect for more than 30 days concerning aeronautical facilities, services, maintenance available, procedures or hazards, knowledge of which is essential for safe and efficient operation of aircraft. Information concerning permanent closing of a runway or taxiway will not be shown. A note "See Special Notices" shall be applied within this remarks section when a special notice applicable to the entry is contained in the Special Notices section of this publication.

Parachute Jumping indicates parachute jumping areas associated with the airport. See Parachute Jumping Area section of this publication for additional Information.

Landing Fee indicates landing charges for private or non-revenue producing aircraft. In addition, fees may be charged for planes that remain over a couple of hours and buy no services, or at major airline terminals for all aircraft.

Note: Unless otherwise stated, remarks including runway ends refer to the runway's approach end.

(24) MILITARY REMARKS

Joint Civil/Military airports contain both Airport Remarks and Military Remarks. Military Remarks published for these airports are applicable only to the military. Military and joint Military/Civil airports contain only Military Remarks. Remarks contained in this section may not be applicable to civil users. When both sets of remarks exist, the first set is applicable to the primary operator of the airport. Remarks applicable to a tenant on the airport are shown preceded by the tenant organization, i.e., (A) (AF) (N) (ANG), etc. Military airports operate 24 hours unless otherwise specified. Airport operating hours are listed first (airport operating hours will only be listed if they are different than the airport attended hours or if the attended hours are unavailable) followed by pertinent remarks in order of applicability. Remarks will include information on restrictions, hazards, traffic pattern, noise abatement, customs/agriculture/immigration, and miscellaneous information applicable to the Military.

Type of restrictions:

CLOSED: When designated closed, the airport is restricted from use by all aircraft unless stated otherwise. Any closure applying to specific type of aircraft or operation will be so stated. USN/USMC/USAF airports are considered closed during non-operating hours. Closed airports may be utilized during an emergency provided there is a safe landing area.

OFFICIAL BUSINESS ONLY: The airfield is closed to all transient military aircraft for obtaining routine services such as fueling, passenger drop off or pickup, practice approaches, parking, etc. The airfield may be used by aircrews and aircraft if official government business (including civilian) must be conducted on or near the airfield and prior permission is received from the airfield manager.

AF OFFICIAL BUSINESS ONLY OR NAVY OFFICIAL BUSINESS ONLY: Indicates that the restriction applies only to service indicated.

PRIOR PERMISSION REQUIRED (PPR): Airport is closed to transient aircraft unless approval for operation is obtained from the appropriate commander through Chief, Airfield Management or Airfield Operations Officer. Official Business or PPR does not preclude the use of US Military airports as an alternate for IFR flights. If a non-US military airport is used as a weather alternate and requires a PPR, the PPR must be requested and confirmed before the flight departs. The purpose of PPR is to control volume and flow of traffic rather than to prohibit it. Prior permission is required for all aircraft requiring transient alert service outside the published transient alert duty hours. All aircraft carrying hazardous materials must obtain prior permission as outlined in AFJI 11-204, AR 95-27, OPNAVINST 3710.7.

Note: OFFICIAL BUSINESS ONLY AND PPR restrictions are not applicable to Special Air Mission (SAM) or Special Air Resource (SPAR) aircraft providing person or persons on board are designated Code 6 or higher as explained in AFJMAN 11-213, AR 95-11, OPNAVINST 3722-8J. Official Business Only or PPR do not preclude the use of the airport as an alternate for IFR flights.

(25) AIRPORT MANAGER

The phone number of the airport manager.

(26) WEATHER DATA SOURCES

Weather data sources will be listed alphabetically followed by their assigned frequencies and/or telephone number and hours of operation.

ASOS—Automated Surface Observing System. Reports the same as an AWOS-3 plus precipitation identification and intensity, and freezing rain occurrence;

AWOS—Automated Weather Observing System

AWOS-A—reports altimeter setting (all other information is advisory only).

AWOS-AV—reports altimeter and visibility.

AWOS-1—reports altimeter setting, wind data and usually temperature, dew point and density altitude.

AWOS-2—reports the same as AWOS-1 plus visibility.

AWOS-3—reports the same as AWOS-1 plus visibility and cloud/ceiling data.

AWOS-3P reports the same as the AWOS-3 system, plus a precipitation identification sensor.

AWOS-3PT reports the same as the AWOS-3 system, plus precipitation identification sensor and a thunderstorm/lightning reporting capability.

AWOS-3T reports the same as AWOS-3 system and includes a thunderstorm/lightning reporting capability.

See AIM, Basic Flight Information and ATC Procedures for detailed description of Weather Data Sources.

AWOS-4—reports same as AWOS-3 system, plus precipitation occurrence, type and accumulation, freezing rain, thunderstorm and runway surface sensors.

HIWAS—See RADIO AIDS TO NAVIGATION

LAWRS—Limited Aviation Weather Reporting Station where observers report cloud height, weather, obstructions to vision, temperature and dewpoint (in most cases), surface wind, altimeter and pertinent remarks.

LLWAS—indicates a Low Level Wind Shear Alert System consisting of a center field and several field perimeter anemometers.

SAWRS—identifies airports that have a Supplemental Aviation Weather Reporting Station available to pilots for current weather information.

SWSL—Supplemental Weather Service Location providing current local weather information via radio and telephone.

TDWR—indicates airports that have Terminal Doppler Weather Radar.

WSP—indicates airports that have Weather System Processor.

When the automated weather source is broadcast over an associated airport NAVAID frequency (see NAVAID line), it shall be indicated by a bold ASOS, AWOS, or HIWAS followed by the frequency, identifier and phone number, if available.

27 COMMUNICATIONS

Airport terminal control facilities and radio communications associated with the airport shall be shown. When the call sign is not the same as the airport name the call sign will be shown. Frequencies shall normally be shown in descending order with the primary frequency listed first. Frequencies will be listed, together with sectorization indicated by outbound radials, and hours of operation. Communications will be listed in sequence as follows:

Single Frequency Approach (SFA), Common Traffic Advisory Frequency (CTAF), Aeronautical Advisory Stations (UNICOM) or (AUNICOM), and Automatic Terminal Information Service (ATIS) along with their frequency is shown, where available, on the line following the heading "COMMUNICATIONS." When the CTAF and UNICOM frequencies are the same, the frequency will be shown as CTAF/UNICOM 122.8.

The FSS telephone nationwide is toll free 1-800-WX-BRIEF (1-800-992-7433). When the FSS is located on the field it will be indicated as "on aprt". Frequencies available at the FSS will follow in descending order. Remote Communications Outlet (RCO) providing service to the airport followed by the frequency and FSS RADIO name will be shown when available. FSS's provide information on airport conditions, radio aids and other facilities, and process flight plans. Airport Advisory Service (AAS) is provided on the CTAF by FSS's for select non-tower airports or airports where the tower is not in operation.

(See AIM, Para 4-1-9 Traffic Advisory Practices at Airports Without Operating Control Towers or AC 90-42C.)

Aviation weather briefing service is provided by FSS specialists. Flight and weather briefing services are also available by calling the telephone numbers listed.

Remote Communications Outlet (RCO)—An unmanned air/ground communications facility that is remotely controlled and provides UHF or VHF communications capability to extend the service range of an FSS.

Civil Communications Frequencies—Civil communications frequencies used in the FSS air/ground system are operated on 122.0, 122.2, 123.6; emergency 121.5; plus receive-only on 122.1.

- a. 122.0 is assigned as the Enroute Flight Advisory Service frequency at selected FSS RADIO outlets.
- b. 122.2 is assigned as a common enroute frequency.
- c. 123.6 is assigned as the airport advisory frequency at select non-tower locations. At airports with a tower, FSS may provide airport advisories on the tower frequency when tower is closed.
- d. 122.1 is the primary receive-only frequency at VOR's.
- e. Some FSS's are assigned 50 kHz frequencies in the 122-126 MHz band (eg. 122.45). Pilots using the FSS A/G system should refer to this directory or appropriate charts to determine frequencies available at the FSS or remotized facility through which they wish to communicate.

Emergency frequency 121.5 and 243.0 are available at all Flight Service Stations, most Towers, Approach Control and RADAR facilities.

Frequencies published followed by the letter "T" or "R", indicate that the facility will only transmit or receive respectively on that frequency. All radio aids to navigation (NAVAID) frequencies are transmit only.

TERMINAL SERVICES

SFA—Single Frequency Approach.

CTAF—A program designed to get all vehicles and aircraft at airports without an operating control tower on a common frequency.

ATIS—A continuous broadcast of recorded non-control information in selected terminal areas.

D-ATIS—Digital ATIS provides ATIS information in text form outside the standard reception range of conventional ATIS via landline & data link communications and voice message within range of existing transmitters.

AUNICOM—Automated UNICOM is a computerized, command response system that provides automated weather, radio check capability and airport advisory information selected from an automated menu by microphone clicks.

UNICOM—A non-government air/ground radio communications facility which may provide airport information.

PTD—Pilot to Dispatcher.

APP CON—Approach Control. The symbol **R** indicates radar approach control.

TOWER—Control tower.

GCA—Ground Control Approach System.

GND CON—Ground Control.

GCO—Ground Communication Outlet—An unstaffed, remotely controlled, ground/ground communications facility. Pilots at uncontrolled airports may contact ATC and FSS via VHF to a telephone connection to obtain an instrument clearance or close a VFR or IFR flight plan. They may also get an updated weather briefing prior to takeoff. Pilots will use four “key clicks” on the VHF radio to contact the appropriate ATC facility or six “key clicks” to contact the FSS. The GCO system is intended to be used only on the ground.

DEP CON—Departure Control. The symbol **Ⓡ** indicates radar departure control.

CLNC DEL—Clearance Delivery.

CPDLC—Controller Pilot Data Link Communication. FANS ATC data communication capability from the aircraft to the ATC Data Link system.

PRE TAXI CLNC—Pre taxi clearance.

VFR ADVSY SVC—VFR Advisory Service. Service provided by Non-Radar Approach Control. Advisory Service for VFR aircraft (upon a workload basis) ctc APP CON.

COMD POST—Command Post followed by the operator call sign in parenthesis.

PMSV—Pilot-to-Metro Service call sign, frequency and hours of operation, when full service is other than continuous. PMSV installations at which weather observation service is available shall be indicated, following the frequency and/or hours of operation as “Wx obsn svc 1900-0000Z” or “other times” may be used when no specific time is given. PMSV facilities manned by forecasters are considered “Full Service”. PMSV facilities manned by weather observers are listed as “Limited Service”.

OPS—Operations followed by the operator call sign in parenthesis.

CON

RANGE

FLT FLW—Flight Following

MEDIVAC

NOTE: Communication frequencies followed by the letter “X” indicate frequency available on request.

Ⓢ AIRSPACE

Information concerning Class B, C, and part-time D and E surface area airspace shall be published with effective times, if available.

CLASS B—Radar Sequencing and Separation Service for all aircraft in CLASS B airspace.

CLASS C—Separation between IFR and VFR aircraft and sequencing of VFR arrivals to the primary airport.

TRSA—Radar Sequencing and Separation Service for participating VFR Aircraft within a Terminal Radar Service Area.

Class C, D, and E airspace described in this publication is that airspace usually consisting of a 5 NM radius core surface area that begins at the surface and extends upward to an altitude above the airport elevation (charted in MSL for Class C and Class D).

Class E surface airspace normally extends from the surface up to but not including the overlying controlled airspace.

When part-time Class C or Class D airspace defaults to Class E, the core surface area becomes Class E. This will be formatted as:

AIRSPACE: CLASS C svc “times” ctc **APP CON** other times CLASS E:

or

AIRSPACE: CLASS D svc “times” other times CLASS E.

When a part-time Class C, Class D or Class E surface area defaults to Class G, the core surface area becomes Class G up to, but not including, the overlying controlled airspace. Normally, the overlying controlled airspace is Class E airspace beginning at either 700’ or 1200’ AGL and may be determined by consulting the relevant VFR Sectional or Terminal Area Charts. This will be formatted as:

AIRSPACE: CLASS C svc “times” ctc **APP CON** other times CLASS G, with CLASS E 700’ (or 1200’) AGL & abv:

or

AIRSPACE: CLASS D svc “times” other times CLASS G with CLASS E 700’ (or 1200’) AGL & abv:

or

AIRSPACE: CLASS E svc “times” other times CLASS G with CLASS E 700’ (or 1200’) AGL & abv.

NOTE: AIRSPACE SVC “TIMES” INCLUDE ALL ASSOCIATED ARRIVAL EXTENSIONS. Surface area arrival extensions for instrument approach procedures become part of the primary core surface area. These extensions may be either Class D or Class E airspace and are effective concurrent with the times of the primary core surface area. For example, when a part-time Class C, Class D or Class E surface area defaults to Class G, the associated arrival extensions will default to Class G at the same time. When a part-time Class C or Class D surface area defaults to Class E, the arrival extensions will remain in effect as Class E airspace.

NOTE: CLASS E AIRSPACE EXTENDING UPWARD FROM 700 FEET OR MORE ABOVE THE SURFACE, DESIGNATED IN CONJUNCTION WITH AN AIRPORT WITH AN APPROVED INSTRUMENT PROCEDURE.

Class E 700’ AGL (shown as magenta vignette on sectional charts) and 1200’ AGL (blue vignette) areas are designated when necessary to provide controlled airspace for transitioning to/from the terminal and enroute environments. Unless otherwise specified, these 700’/1200’ AGL Class E airspace areas remain in effect continuously, regardless of airport operating hours or surface area status. These transition areas should not be confused with surface areas or arrival extensions.

(See Chapter 3, AIRSPACE, in the Aeronautical Information Manual for further details)

29 VOR TEST FACILITY (VOT)

The VOT transmits a signal which provided users a convenient means to determine the operational status and accuracy of an aircraft VOR receiver while on the ground. Ground based VOTs and the associated frequency shall be shown when available. VOTs are also shown with identifier, frequency and referenced remarks in the VOR Receiver Check section in the back of this publication.

30 RADIO AIDS TO NAVIGATION

The Airport/Facility Directory section of the Chart Supplement lists, by facility name, all Radio Aids to Navigation that appear on FAA, Aeronautical Information Services Visual or IFR Aeronautical Charts and those upon which the FAA has approved an Instrument Approach Procedure, with exception of selected TACANs. All VOR, VORTAC, TACAN and ILS equipment in the National Airspace System has an automatic monitoring and shutdown feature in the event of malfunction. Unmonitored, as used in this publication, for any navigational aid, means that monitoring personnel cannot observe the malfunction or shutdown signal. The NAVAID NOTAM file identifier will be shown as "NOTAM FILE IAD" and will be listed on the Radio Aids to Navigation line. When two or more NAVAIDS are listed and the NOTAM file identifier is different from that shown on the Radio Aids to Navigation line, it will be shown with the NAVAID listing. NOTAM file identifiers for ILSs and its components (e.g., NDB (LOM) are the same as the associated airports and are not repeated. Automated Surface Observing System (ASOS), Automated Weather Observing System (AWOS), and Hazardous Inflight Weather Advisory Service (HIWAS) will be shown when this service is broadcast over selected NAVAIDS.

NAVAID information is tabulated as indicated in the following sample:

				TACAN/DME Channel		Geographical Position		Site Elevation	Magnetic Variation
NAME (L)	ABVORTAC	117.55	ABE	Chan 122(Y)	N40°43.60'	W75°27.30'	180° 4.1 NM to fld.	1110/8E	AWOS. HIWAS.
Class	Frequency	Identifier				Bearing and distance facility to center of airport		Automated Weather Observing System	Hazardous Inflight Weather Service
<p>VOR unusable 020°–060° byd 26 NM blo 3,500'</p> <p>Restriction within the normal altitude/range of the navigational aid (See primary alphabetical listing for restrictions on VORTAC and VOR/DME).</p>									

Note: Those DME channel numbers with a (Y) suffix require TACAN to be placed in the "Y" mode to receive distance information.

HIWAS—Hazardous Inflight Weather Advisory Service is a continuous broadcast of inflight weather advisories including summarized SIGMETs, convective SIGMETs, AIRMETs and urgent PIREPs. HIWAS is presently broadcast over selected VOR's throughout the U.S.

ASR/PAR—Indicates that Surveillance (ASR) or Precision (PAR) radar instrument approach minimums are published in the U.S. Terminal Procedures. Only part-time hours of operation will be shown.

RADIO CLASS DESIGNATIONS

VOR/DME/TACAN Standard Service Volume (SSV) Classifications

<u>SSV Class</u>	<u>Altitudes</u>	<u>Distance (NM)</u>
(T) Terminal	1000' to 12,000'	25
(L) Low Altitude	1000' to 18,000'	40
(H) High Altitude	1000' to 14,500'	40
	14,500' to 18,000'	100
	18,000' to 45,000'	130
	45,000' to 60,000'	100

NOTE: Additionally, (H) facilities provide (L) and (T) service volume and (L) facilities provide (T) service. Altitudes are with respect to the station's site elevation. Coverage is not available in a cone of airspace directly above the facility.

The term VOR is, operationally, a general term covering the VHF omnidirectional bearing type of facility without regard to the fact that the power, the frequency protected service volume, the equipment configuration, and operational requirements may vary between facilities at different locations.

AB _____	Automatic Weather Broadcast.
DF _____	Direction Finding Service.
DME _____	UHF standard (TACAN compatible) distance measuring equipment.
DME(Y) _____	UHF standard (TACAN compatible) distance measuring equipment that require TACAN to be placed in the "Y" mode to receive DME.
GS _____	Glide slope.
H _____	Non-directional radio beacon (homing), power 50 watts to less than 2,000 watts (50 NM at all altitudes).
HH _____	Non-directional radio beacon (homing), power 2,000 watts or more (75 NM at all altitudes).
H-SAB _____	Non-directional radio beacons providing automatic transcribed weather service.
ILS _____	Instrument Landing System (voice, where available, on localizer channel).
IM _____	Inner marker.
LDA _____	Localizer Directional Aid.
LMM _____	Compass locator station when installed at middle marker site (15 NM at all altitudes).
LOM _____	Compass locator station when installed at outer marker site (15 NM at all altitudes).
MH _____	Non-directional radio beacon (homing) power less than 50 watts (25 NM at all altitudes).
MM _____	Middle marker.
OM _____	Outer marker.
S _____	Simultaneous range homing signal and/or voice.
SABH _____	Non-directional radio beacon not authorized for IFR or ATC. Provides automatic weather broadcasts.
SDF _____	Simplified Direction Facility.
TACAN _____	UHF navigational facility-omnidirectional course and distance information.
VOR _____	VHF navigational facility-omnidirectional course only.
VOR/DME _____	Collocated VOR navigational facility and UHF standard distance measuring equipment.
VORTAC _____	Collocated VOR and TACAN navigational facilities.
W _____	Without voice on radio facility frequency.
Z _____	VHF station location marker at a LF radio facility.

AIRPORT/FACILITY DIRECTORY LEGEND

ILS FACILITY PERFORMANCE CLASSIFICATION CODES

Codes define the ability of an ILS to support autoland operations. The two portions of the code represent Official Category and farthest point along a Category I, II, or III approach that the Localizer meets Category III structure tolerances.

Official Category: I, II, or III; the lowest minima on published or unpublished procedures supported by the ILS.

Farthest point of satisfactory Category III Localizer performance for Category I, II, or III approaches: A – 4 NM prior to runway threshold, B – 3500 ft prior to runway threshold, C – glide angle dependent but generally 750–1000 ft prior to threshold, T – runway threshold, D – 3000 ft after runway threshold, and E – 2000 ft prior to stop end of runway.

ILS information is tabulated as indicated in the following sample:

ILS/DME 108.5 I-ORL Chan 22 Rwy 18. Class IIE. LOM HERNY NDB.

ILS Facility Performance
Classification Code

FREQUENCY PAIRING TABLE

VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL
108.10	18X	108.55	22Y	111.05	47Y	114.85	95Y
108.30	20X	108.65	23Y	111.15	48Y	114.95	96Y
108.50	22X	108.75	24Y	111.25	49Y	115.05	97Y
108.70	24X	108.85	25Y	111.35	50Y	115.15	98Y
108.90	26X	108.95	26Y	111.45	51Y	115.25	99Y
109.10	28X	109.05	27Y	111.55	52Y	115.35	100Y
109.30	30X	109.15	28Y	111.65	53Y	115.45	101Y
109.50	32X	109.25	29Y	111.75	54Y	115.55	102Y
109.70	34X	109.35	30Y	111.85	55Y	115.65	103Y
109.90	36X	109.45	31Y	111.95	56Y	115.75	104Y
110.10	38X	109.55	32Y	113.35	80Y	115.85	105Y
110.30	40X	109.65	33Y	113.45	81Y	115.95	106Y
110.50	42X	109.75	34Y	113.55	82Y	116.05	107Y
110.70	44X	109.85	35Y	113.65	83Y	116.15	108Y
110.90	46X	109.95	36Y	113.75	84Y	116.25	109Y
111.10	48X	110.05	37Y	113.85	85Y	116.35	110Y
111.30	50X	110.15	38Y	113.95	86Y	116.45	111Y
111.50	52X	110.25	39Y	114.05	87Y	116.55	112Y
111.70	54X	110.35	40Y	114.15	88Y	116.65	113Y
111.90	56X	110.45	41Y	114.25	89Y	116.75	114Y
108.05	17Y	110.55	42Y	114.35	90Y	116.85	115Y
108.15	18Y	110.65	43Y	114.45	91Y	116.95	116Y
108.25	19Y	110.75	44Y	114.55	92Y	117.05	117Y
108.35	20Y	110.85	45Y	114.65	93Y	117.15	118Y
108.45	21Y	110.95	46Y	114.75	94Y	117.25	119Y

FREQUENCY PAIRING TABLE

The following is a list of paired VOR/ILS VHF frequencies with TACAN channels.

TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY
2X	134.5	25X	108.80	36X	109.90	47X	111.00
2Y	134.55	25Y	108.85	36Y	109.95	47Y	111.05
11X	135.4	26X	108.90	37X	110.00	48X	111.10
11Y	135.45	26Y	108.95	37Y	110.05	48Y	111.15
12X	135.5	27X	109.00	38X	110.10	49X	111.20
12Y	135.55	27Y	109.05	38Y	110.15	49Y	111.25
17X	108.00	28X	109.10	39X	110.20	50X	111.30
17Y	108.05	28Y	109.15	39Y	110.25	50Y	111.35
18X	108.10	29X	109.20	40X	110.30	51X	111.40
18Y	108.15	29Y	109.25	40Y	110.35	51Y	111.45
19X	108.20	30X	109.30	41X	110.40	52X	111.50
19Y	108.25	30Y	109.35	41Y	110.45	52Y	111.55
20X	108.30	31X	109.40	42X	110.50	53X	111.60
20Y	108.35	31Y	109.45	42Y	110.55	53Y	111.65
21X	108.40	32X	109.50	43X	110.60	54X	111.70
21Y	108.45	32Y	109.55	43Y	110.65	54Y	111.75
22X	108.50	33X	109.60	44X	110.70	55X	111.80
22Y	108.55	33Y	109.65	44Y	110.75	55Y	111.85
23X	108.60	34X	109.70	45X	110.80	56X	111.90
23Y	108.65	34Y	109.75	45Y	110.85	56Y	111.95
24X	108.70	35X	109.80	46X	110.90	57X	112.00
24Y	108.75	35Y	109.85	46Y	110.95	57Y	112.05

TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY
58X	112.10	77X	113.00	96X	114.90	115X	116.80
58Y	112.15	77Y	113.05	96Y	114.95	115Y	116.85
59X	112.20	78X	113.10	97X	115.00	116X	116.90
59Y	112.25	78Y	113.15	97Y	115.05	116Y	116.95
60X	133.30	79X	113.20	98X	115.10	117X	117.00
60Y	133.35	79Y	113.25	98Y	115.15	117Y	117.05
61X	133.40	80X	113.30	99X	115.20	118X	117.10
61Y	133.45	80Y	113.35	99Y	115.25	118Y	117.15
62X	133.50	81X	113.40	100X	115.30	119X	117.20
62Y	133.55	81Y	113.45	100Y	115.35	119Y	117.25
63X	133.60	82X	113.50	101X	115.40	120X	117.30
63Y	133.65	82Y	113.55	101Y	115.45	120Y	117.35
64X	133.70	83X	113.60	102X	115.50	121X	117.40
64Y	133.75	83Y	113.65	102Y	115.55	121Y	117.45
65X	133.80	84X	113.70	103X	115.60	122X	117.50
65Y	133.85	84Y	113.75	103Y	115.65	122Y	117.55
66X	133.90	85X	113.80	104X	115.70	123X	117.60
66Y	133.95	85Y	113.85	104Y	115.75	123Y	117.65
67X	134.00	86X	113.90	105X	115.80	124X	117.70
67Y	134.05	86Y	113.95	105Y	115.85	124Y	117.75
68X	134.10	87X	114.00	106X	115.90	125X	117.80
68Y	134.15	87Y	114.05	106Y	115.95	125Y	117.85
69X	134.20	88X	114.10	107X	116.00	126X	117.90
69Y	134.25	88Y	114.15	107Y	116.05	126Y	117.95
70X	112.30	89X	114.20	108X	116.10		
70Y	112.35	89Y	114.25	108Y	116.15		
71X	112.40	90X	114.30	109X	116.20		
71Y	112.45	90Y	114.35	109Y	116.25		
72X	112.50	91X	114.40	110X	116.30		
72Y	112.55	91Y	114.45	110Y	116.35		
73X	112.60	92X	114.50	111X	116.40		
73Y	112.65	92Y	114.55	111Y	116.45		
74X	112.70	93X	114.60	112X	116.50		
74Y	112.75	93Y	114.65	112Y	116.55		
75X	112.80	94X	114.70	113X	116.60		
75Y	112.85	94Y	114.75	113Y	116.65		
76X	112.90	95X	114.80	114X	116.70		
76Y	112.95	95Y	114.85	114Y	116.75		

31 COMM/NAV/WEATHER REMARKS: These remarks consist of pertinent information affecting the current status of communications, NAVAIDs and weather.

ABERDEEN MUNI (U36) 2 SW UTC-7(-6DT) N42°55.27' W112°52.85'
4474 B NOTAM FILE BOI

SALT LAKE CITY
L-11C

RWY 07-25: H3690X50 (ASPH) MIRL 0.8% up W

RWY 07: Thld dsplcd 142'. Road.

RWY 25: Thld dsplcd 512'. Fence.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 07: TORA-3690 TODA-3690 ASDA-3466 LDA-3324

RWY 25: TORA-3458 TODA-3458 ASDA-3624 LDA-3112

SERVICE: LGT ACTIVATE MIRL Rwy 07-25—CTAF.

AIRPORT REMARKS: Attended May-Sept, Mon-Sat dalgt hrs. Considerable agriculture ops during growing season. Irregular winter maintenance. +30' sprinkler and terrain at 230' from southwest end of rwy may be in position

AIRPORT MANAGER: 208-221-2211

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE PIH.

POCATELLO (H) VOR/DME 112.6 PIH Chan 73 N42°52.22'

W112°39.13' 270° 10.5 NM to fld. 4433/17E.

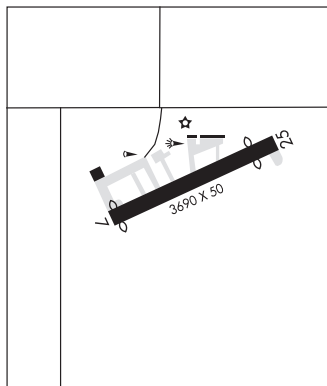
VOR portion unusable:

060°-130° byd 25 NM blo 13,500'

DME portion unusable:

060°-130° byd 25 NM blo 17,000'

160°-175° byd 25 NM blo 13,000'



ALLEN H TIGERT (See SODA SPRINGS on page 69)

AMERICAN FALLS (U01) 2 NE UTC-7(-6DT) N42°47.84' W112°49.51'
4419 B NOTAM FILE BOI

SALT LAKE CITY
L-11C

RWY 03-21: H4900X50 (ASPH) MIRL

RWY 03: Fence.

RWY 21: TRCV(TRIL)—GA 3.5° TCH 50'. Hill.

SERVICE: LGT ACTIVATE MIRL Rwy 03-21 and TRCV Rwy 21—CTAF.

AIRPORT REMARKS: Attended 1500-0100Z+. Ultralight, agriculture acft and helicopter ops during summer months. No line of sight between rwy ends. Irregular snow removal.

AIRPORT MANAGER: 208-220-1732

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE PIH.

POCATELLO (H) VOR/DME 112.6 PIH Chan 73 N42°52.22'

W112°39.13' 223° 8.8 NM to fld. 4433/17E.

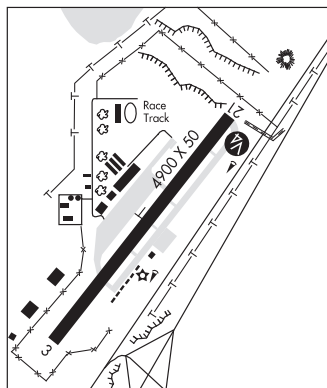
VOR portion unusable:

060°-130° byd 25 NM blo 13,500'

DME portion unusable:

060°-130° byd 25 NM blo 17,000'

160°-175° byd 25 NM blo 13,000'



ANTELOPE VALLEY (See MOORE on page 57)

ARCO—BUTTE CO (AOC)(KAOC) 3 SW UTC-7(-6DT) N43°36.21' W113°20.06'

5335 B NOTAM FILE BOI

RWY 06-24: H6610X75 (ASPH) S-300 MIRL

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 40'.

RWY 24: REIL. PAPI(P2L)—GA 3.0° TCH 40'. P-line.

SERVICE: FUEL 100LL LGT PAPI Rwy 06 & 24 OTS indef. ACTIVATE MIRL Rwy 06-24, REIL Rwy 06 and Rwy 24 and PAPI Rwy 06 and Rwy 24—CTAF.

AIRPORT REMARKS: Attended 1500-0300Z†. Fuel 100LL only avail when attended.

AIRPORT MANAGER: 208-527-3021

COMMUNICATIONS: CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 128.35

RADIO AIDS TO NAVIGATION: NOTAM FILE PIH.

POCATELLO (H) VOR/DME 112.6 PIH Chan 73 N42°52.22' W112°39.13' 309° 53.2 NM to fld. 4433/17E.

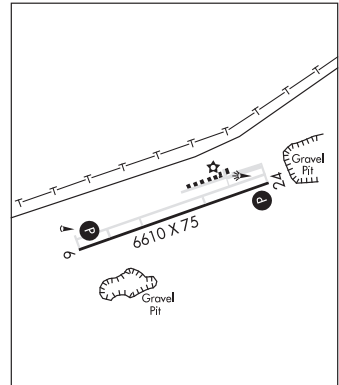
VOR portion unusable:

060°-130° byd 25 NM blo 13,500'

DME portion unusable:

060°-130° byd 25 NM blo 17,000'

160°-175° byd 25 NM blo 13,000'



SALT LAKE CITY
H-3D, L-11C
IAP

ASHTON N44°33.75' W111°26.68'

RCO 123.625 (BOISE RADIO)

SALT LAKE CITY
L-13C

ATLANTA

ATLANTA (55H) 1 NW UTC-7(-6DT) N43°48.81' W115°08.10'

5500 NOTAM FILE BOI

RWY 16-34: 2460X75 (TURF-DIRT)

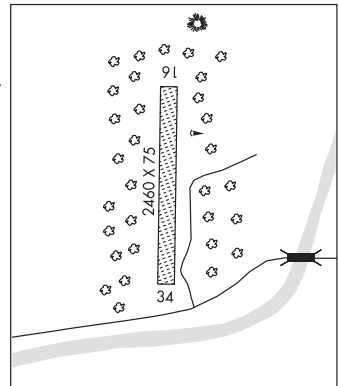
RWY 16: Tree.

RWY 34: Trees. Rgt tfc.

AIRPORT REMARKS: Unattended. No winter maintenance. Recommended for use by mountain proficient pilots using high performance acft. Arpt is located in mountainous area, high timbered ridges limit maneuvering area. Land Rwy 34, depart Rwy 16. Apch up Boise River making rgt circling pat over valley to check tfc at Greene Arpt. Depart with rgt turnout down Boise River. Announce Intentions on 122.9. No go-around due to rising terrain and trees. Rwy 16-34 edges and Rwy 34 thld marked with white rocks. Rwy 16 thld not defined. Ground vehicle tfc has access to rwy. No telephone avbl at arpt.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9



SALT LAKE CITY

GRAHAM USFS (U45) 11 NW UTC-7(-6DT) N43°57.31' W115°16.36'

5726 NOTAM FILE BOI

RWY 18-36: 2900X50 (TURF-GRVL)

RWY 18: Trees.

RWY 36: Road.

AIRPORT REMARKS: Unattended. Big game animals on and invof arpt. No winter maintenance. Recommend ldg Rwy 36, txf Rwy 18 when wind conditions allow. No line of sight between rwy ends. Rwy 18-36 lower one third of rwy soft and unusable during early spring. Rwy 18-36 thlds marked with white painted rocks. No telephone avbl at arpt.

AIRPORT MANAGER: (208) 392-6681

COMMUNICATIONS: CTAF 122.9

SALT LAKE CITY

WEATHERBY USFS (52U) 9 NW UTC-7(-6DT) N43°49.51' W115°19.88' SALT LAKE CITY
 4503 NOTAM FILE BOI
RWY 03-21: 2200X60 (TURF-DIRT) 0.4% up NE
RWY 03: Tree.
RWY 21: Trees.
AIRPORT REMARKS: Unattended. No winter maintenance. Arpt located in narrow river canyon subject to local turbulence caused by the terrain configuration. Recommended ldg Rwy 03, txf Rwy 21 when wind conditions allow. Rwy 03-21 thlds and edges marked with unpainted rocks. No telephone avbl at arpt.
AIRPORT MANAGER: (208) 392-6681
COMMUNICATIONS: CTAF 122.9

ATOMIC CITY

BIG SOUTHERN BUTTE (U46) 10 W UTC-7(-6DT) N43°25.96' W113°03.33' SALT LAKE CITY
 5073 NOTAM FILE BOI
RWY 01-19: 2600X110 (DIRT)
RWY 01: Ground.
RWY 19: Road.
AIRPORT REMARKS: Unattended. No winter maintenance. Livestock on and invof arpt. Rwy 01-19 sfc may be poor due to damage by livestock, ground vehicles and rodents. Rwy 01-19 +1.5' berm and -1' ditch adjacent to entire perimeter of rwy. Rwy 01-19 edges and thlds marked with white rock.
AIRPORT MANAGER: 208-334-8775
COMMUNICATIONS: CTAF 122.9

COXS WELL (U48) 23 SW UTC-7(-6DT) N43°13.07' W113°13.65' SALT LAKE CITY
 5048 NOTAM FILE BOI
RWY 07-25: 2700X100 (TURF) 0.7% up E
RWY 07: Road.
RWY 25: Fence.
AIRPORT REMARKS: Unattended. No winter maintenance. Rwy 07-25 sfc may be poor due to damage by livestock, ground vehicles and rodents. Rwy 07-25 edges and thlds marked with white rock.
AIRPORT MANAGER: 208-334-8775
COMMUNICATIONS: CTAF 122.9

MIDWAY (U37) 1 NE UTC-7(-6DT) N43°27.22' W112°48.44' SALT LAKE CITY
 5017 NOTAM FILE BOI
RWY 02-20: 3800X175 (GRVL-DIRT)
RWY 02: Road.
RWY 20: Road. Rgt tfc.
AIRPORT REMARKS: Unattended. No winter maintenance. First 1500' of Rwy 02 is dirt, remainder is grvl. Rwy 02-20 edges and thlds marked with white rocks.
AIRPORT MANAGER: 208-334-8775
COMMUNICATIONS: CTAF 122.9

BANCROFT MUNI (U51) 1 E UTC-7(-6DT) N42°43.25' W111°52.05' SALT LAKE CITY
 5435 NOTAM FILE BOI
RWY 07-25: 3280X30 (GRVL)
RWY 07: Road.
AIRPORT REMARKS: Unattended. CAUTION: Unmarked turf crosswind ldg area located SE adjacent to rwy. No winter maintenance.
AIRPORT MANAGER: 208-648-7304
COMMUNICATIONS: CTAF 122.9

BEAR LAKE CO (See PARIS on page 62)

BEAR TRAP (See MINIDOKA on page 56)

BERNARD USFS (U54) 0 NE UTC-7(-6DT) N44°58.78' W114°44.09'

GREAT FALLS

3626 NOTAM FILE BOI

RWY 17-35: 1900X150 (TURF-DIRT)**RWY 17:** Hill.**RWY 35:** Hill.

AIRPORT REMARKS: Unattended. No winter maintenance. No telephone avbl at arpt. Land Rwy 35, tkf Rwy 17, no touch and go ldg or stop and go ldgs. Go arounds not recommended due to steep rising terrain off north end of Rwy 17. Rwy 17-35 middle portion of rwy rough and uneven entire length. Rwy 17-35 NSTD, rwy edges and thlds marked with white rock markers. Flying B pvt arpt lctd 1/2 mile upstream.

AIRPORT MANAGER: 208-756-5554**COMMUNICATIONS:** CTAF 122.9**BIG CREEK** (U60) 0 NE UTC-7(-6DT) N45°07.99' W115°19.31'

GREAT FALLS

5743 NOTAM FILE BOI

RWY 01-19: 3550X110 (TURF)**RWY 01:** Road.**RWY 19:** Trees.

AIRPORT REMARKS: Unattended. Big game animals on and invof arpt. Open to ski equipped acft in winter, acft use sides of strip dur ski ops. Recommend land to south, tkf to north when conditions allow. No winter maintenance. Be alert for sprinklers on rwy. Rwy 01-19 edges and thlds marked with white rock. No telephone avbl at arpt.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9

BIG CREEK RANGER STATION

CABIN CREEK USFS (I08) 17 E UTC-7(-6DT) N45°08.61' W114°55.74'

GREAT FALLS

4289 NOTAM FILE BOI

RWY 02-20: 1750X40 (TURF-DIRT)**RWY 02:** Tree.**RWY 20:** Hill.

AIRPORT REMARKS: Unattended. Big game animals and livestock on and invof rwy. Land Rwy 02, tkf Rwy 20. Go around not possible due to high terrain at end of Rwy 20. Rwy 02-20 15' wide bare dirt strip down center of rwy. No telephone avbl at arpt. Rubber water bar strips on rwy.

AIRPORT MANAGER: 208-634-0600**COMMUNICATIONS:** CTAF 122.9**BIG SOUTHERN BUTTE** (See ATOMIC CITY on page 32)

BLACKFOOT

MCCARLEY FLD (U02) 1 N UTC-7(-6DT) N43°12.56' W112°20.98'

SALT LAKE CITY

4492 B NOTAM FILE BOI

L-11C

RWY 01-19: H4311X75 (ASPH) S-12.5 MIRL

IAF

RWY 01: PAPI(P2L)—GA 3.0° TCH 40'. Fence.**RWY 19:** PAPI(P2L)—GA 3.0° TCH 37'. Tree.**SERVICE:** S6 FUEL 100LL

AIRPORT REMARKS: Attended Mon-Sat 1500-0000Z+. Bird activity on and invof Rwy 01 thld. Considerable air-gnd ops during growing season.

AIRPORT MANAGER: (208) 785-1187**COMMUNICATIONS:** CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 128.35

RADIO AIDS TO NAVIGATION: NOTAM FILE PIH.**POCATELLO (H) VORW/DME** 112.6 PIH Chan 73 N42°52.22'

W112°39.13' 016° 24.3 NM to fld. 4433/17E.

VOR portion unusable:

060°-130° byd 25 NM blo 13,500'

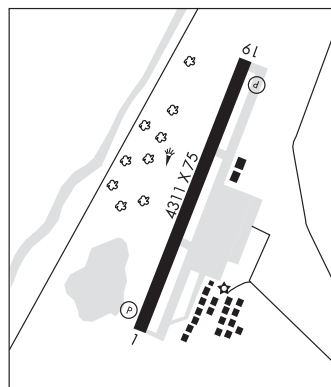
DME portion unusable:

060°-130° byd 25 NM blo 17,000'

160°-175° byd 25 NM blo 13,000'

IDAHO FALLS (H) VORW/DME 113.85 IDA Chan 85(Y) N43°31.14'

W112°03.84' 199° 22.4 NM to fld. 4724/15E. NOTAM FILE IDA.

**BLISS** N42°54.99' W114°47.05'

SALT LAKE CITY

RCO 122.4 (BOISE RADIO)

L-11C

BOISE AIR TERMINAL/GOWEN FLD (BOI)(KBOI) P (ANG ARNG) 3 S UTC-7(-6DT) N43°33.86' SALT LAKE CITY
W116°13.37' H-1C, 3C, L-11B
IAP, AD

2871 B AOE Class I, ARFF Index C NOTAM FILE BOI

RWY 10L-28R: H1000X150 (ASPH-GRVD) S-100, D-210, 2S-175, 2D-446, 2D/2D2-947 PCN 105F/C/W/T HIRL

RWY 10L: REIL. VASI(V4L)—GA 3.0° TCH 53'. Antenna. 0.5% up.

RWY 28R: VASI(V4L)—GA 3.0° TCH 54'. RVR-M Rgt tfc. 0.3% down.

RWY 10R-28L: H9763X150 (ASPH-GRVD) S-100, D-210, 2S-175, 2D-430, 2D/2D2-994 PCN 76 F/B/W/T HIRL CL

RWY 10R: ALSF2. TDZL. VASI(V4L)—GA 3.0° TCH 64'. RVR-TR Rgt tfc. 0.5% up.

RWY 28L: MALS. TDZL. VASI(V4L)—GA 3.0° TCH 50'. RVR-T

RUNWAY DECLARED DISTANCE INFORMATION

RWY 10L:TORA-10000 TODA-10000 ASDA-10000 LDA-10000

RWY 10R:TORA-9763 TODA-9763 ASDA-9763 LDA-9763

RWY 28L:TORA-9763 TODA-9763 ASDA-9763 LDA-9763

RWY 28R:TORA-10000 TODA-10000 ASDA-10000 LDA-10000

SERVICE: S4 **FUEL** 100LL **OX** 1, 2, 3, 4 **LGT** Arpt lgt sched dusk to dawn. **MILITARY**—JASU 1(MC-1M) 6(AM32A-60) 4(A/M32A-86) **FUEL** A++ (Mil), A, A+ (1300-0600Z†Mon-Fri; 1300-0300Z† Sat-Sun and hol, call C208-338-1833, 25 min PN rqr, \$90 fee.) (NC-100LL) **FLUID** PRESAIR OIL O-133-148(Mil) SOAP

AIRPORT REMARKS: Attended continuously. Extv helicopter ops sfc to 3500' within 1 NM east and west and 5 NM south of Rwy 10R-28L. Moderate migratory bird activity within 5 NM of the arpt Oct-Mar. Cold temperature restricted airport. Altitude correction required at or below -23C/-9F. Security rqs PPR with FBO due to locked gates and fencing btn hrs 0500-1400Z† for ingress/egress to arpt. All twys clsd to acft with wingspan over 147' 1", exc with 1 hr PPR 208-972-8420. Twy B east of Twy C clsd to acft with wingspan over 118' when east arm/dearm pad is in use. Twy J north of Twy F clsd to acft with wingspan over 94' when west arm/dearm pad is in use. Twy S clsd to acft with wingspan over 95 ft. Portions of Twy K and the southwest ramp not visible to twr. Do not use Twy Z for tkf roll on Rwy 10L. Flight Notification Service (ADCUS) avbl Mon-Fri 1500-0000Z†, weekends if notified by Thur 0000Z†. NOTE: See Special Notices—Continuous Power Facilities.

AIRPORT MANAGER: 208-383-3110

WEATHER DATA SOURCES: ASOS (208) 388-4640

COMMUNICATIONS: D-ATIS 123.9 UNICOM 122.95

RCO 122.2 122.6 (BOISE RADIO)

® **BIG SKY APP/DEP CON** 119.6 (South) 126.9 (North)

TOWER 118.1 119.0 **GND CON** 121.7 **CLNC DEL** 125.9

AIRSPACE: CLASS C svc ctc **APP CON**

VOR TEST FACILITY (VOT) 116.7

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.

(H) **VORTACW** 113.3 BOI Chan 80 N43°33.17' W116°11.53' 280° 1.5 NM to fld. 2876/17E.

VOR portion unusable:

001°-044° byd 22 NM blo 11,000'

001°-044° byd 32 NM blo 14,500'

045°-071° byd 32 NM blo 12,500'

072°-084° byd 32 NM blo 10,500'

TACAN AZIMUTH & DME portion unusable:

010°-060° byd 12 NM blo 13,000'

010°-060° byd 27 NM blo 15,500'

113°-155° byd 30 NM blo 7,000'

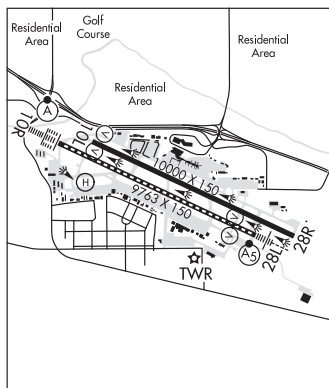
348°-010° byd 20 NM blo 13,000'

348°-010° byd 27 NM blo 15,500'

USTIK NDB (HW/LOM) 359 BO N43°35.81' W116°18.91' 101° 4.5 NM to fld.

ILS/DME 111.1 I-BOI Chan 48 Rwy 10R. Class IIIIE. LOM USTIK NDB. Localizer backcourse unusable byd 10° north and south of course. Localizer backcourse unusable byd 10 NM blo 5,900' and byd 15.1 NM blo 6,800'.

ILS/DME 110.15 I-AAD Chan 38(Y) Rwy 28R. Class IE. DME unusable byd 12 NM blo 6,000'. Glideslope unusable byd 06 NM blo 4,700'. LOC unusable byd 12 NM blo 6,000'.



BONNERS FERRY**BOUNDARY CO** (65S) 2 NE UTC-8(-7DT) N48°43.56' W116°17.71'

2337 B NOTAM FILE BOI

RWY 02-20: H4002X75 (ASPH) S-25 MIRL 0.5% up NE**RWY 02:** PAPI(P2L)—GA 3.5° TCH 37'.**RWY 20:** Road.**SERVICE:** S3 **FUEL** 100LL, JET A **OX 4** **LGT** ACTIVATE MIRL Rwy

02-20—CTAF. VASI Rwy 20 opr continuously.

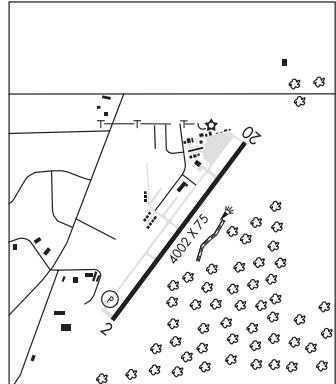
AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z†, Sat 1600-0000Z†.

Cold temperature restricted airport. Altitude correction required at or below -8C/18F.

AIRPORT MANAGER: 208-267-3711**WEATHER DATA SOURCES:** AWOS-3PT 132.575 (208) 267-3995.**COMMUNICATIONS:** CTAF/UNICOM 123.0**SEATTLE CENTER APP/DEP CON** 123.95**RADIO AIDS TO NAVIGATION:** NOTAM FILE MLP.**MULLAN PASS (H) VORW/DME** 117.8 MLP Chan 125 N47°27.41'W115°38.76' 326° 80.5 NM to fld. 6100/15E. **HIWAS.**

VOR portion unusable:

060°-090° byd 20 NM blo 9,500'

GREAT FALLS**L-13B****IAP****BOUNDARY CO** (See BONNERS FERRY on page 35)**BROOKS SPB** (See COEUR D'ALENE on page 40)**BRUCE MEADOWS** (See STANLEY on page 69)**BUHL MUNI** (U03) 2 W UTC-7(-6DT) N42°35.84' W114°48.04'

3663 B NOTAM FILE BOI

RWY 09-27: H3898X60 (ASPH) S-12.5 LIRL 1.4% up E**RWY 09:** P-line.**RWY 27:** Pole.**SERVICE:** S4 **FUEL** 100LL, MOGAS **LGT** ACTIVATE LIRL Rwy

09-27—CTAF.

AIRPORT REMARKS: Attended Tue-Sat 1530-0000Z†. Phone

208-731-3781 for svc when arpt unattended.

AIRPORT MANAGER: 208-543-5650**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE TWF.**TWIN FALLS (L) VORTACW** 115.8 TWF Chan 105 N42°28.79'

W114°29.37' 279° 15.5 NM to fld. 4140/18E.

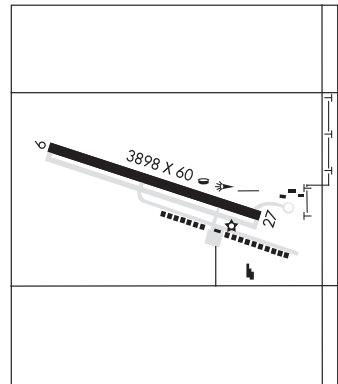
VOR portion unusable:

115°-160° byd 30 NM blo 11,000'

115°-160° byd 33 NM blo 12,000'

TACAN AZIMUTH & DME unusable:

105°-160° byd 20 NM blo 15,000'

SALT LAKE CITY**L-11C**

BURLEY MUNI (BYI)(KBYI) 1 NE UTC-7(-6DT) N42°32.56' W113°46.29'

4154 B NOTAM FILE BYI

SALT LAKE CITY

L-11C

IAP

RWY 02-20: H4092X80 (ASPH) S-43, D-60 MIRL 0.3% up SW

RWY 02: VASI(V4L)—GA 3.5° TCH 46'. Thld dsplcd 626'. Road.

RWY 20: REIL. VASI(V2R)—GA 3.0° TCH 37'. Thld dsplcd 305'. Trees.

RWY 06-24: H4072X75 (ASPH) S-23 MIRL

RWY 06: Thld dsplcd 796'. Railroad.

RWY 24: VASI(V2R)—GA 3.0° TCH 52'. Thld dsplcd 115'. Poles.

SERVICE: S4 FUEL 100LL, JET A OX4 LGT ACTIVATE MIRL Rwy 02-20 and Rwy 06-24—CTAF. VASI Rwy 02, Rwy 20 and Rwy 24 opr continuously. Rwy 20 VASI OTS.

AIRPORT REMARKS: Attended May-Oct 1500-0000Z†, Nov-Apr Mon-Fri 1500-0000Z†, Nov-Apr Sat 1500-1900Z†. Birds invof all rwys, especially AER 20 and AER 24. AG activity on and invof all rwys Apr-Oct. Marked helipad on ramp in front of FBO bldg.

AIRPORT MANAGER: 208-678-0372

WEATHER DATA SOURCES: ASOS 135.575 (208) 677-3604.

COMMUNICATIONS: CTAF 122.9

CONNERS RCO 122.05 (BOISE RADIO)

TWIN FALLS APP/DEP CON 126.7 (1300-0400Z†)

SALT LAKE CENTER APP/DEP CON 118.05 (0400-1300Z†)

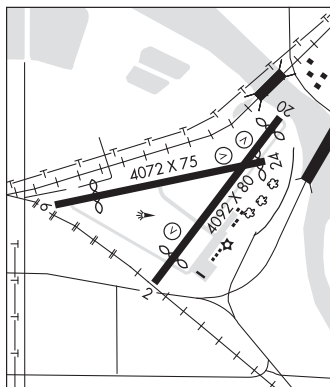
AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE BYI.

(L) VORW/DME 114.1 BYI Chan 88 N42°34.81' W113°51.95' 100° 4.8 NM to fld. 4226/18E.

VOR/DME unusable:

120°-150° byd 30 NM blo 15,000'



BURLEY N42°34.81' W113°51.95' NOTAM FILE BYI.

SALT LAKE CITY

(L) VORW/DME 114.1 BYI Chan 88 100° 4.8 NM to Burley Muni. 4226/18E.

H-3D, L-11C

VOR/DME unusable:

120°-150° byd 30 NM blo 15,000'

CABIN CREEK USFS (See BIG CREEK RANGER STATION on page 33)

CALDWELL INDUSTRIAL (EUL)(KEUL) 3 SE UTC-7(-6DT) N43°38.51' W116°38.15'

SALT LAKE CITY

2432 B NOTAM FILE EUL

H-1C, L-11B

RWY 12-30: H5500X100 (ASPH) S-72, D-86, 2S-109 MIRL

IAP

RWY 12: PAPI(P4L)—GA 3.0° TCH 42'. Road.**RWY 30:** PAPI(P4L)—GA 3.0° TCH 45'. Rgt ttc.**SERVICE:** S4 **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy

12-30—CTAF. PAPI Rwy 12 and Rwy 30 opr continuously.

AIRPORT REMARKS: Attended Mar-Oct 1500-0200Z†, Nov-Feb 1500-0000Z†. Parachute Jumping. Fuel avbl 24 hrs by credit card. Jet A from truck Mon-Sat 1500-2300Z†. Call 208-453-8577 for Jet A and after hrs call out. Preferred parking for jet and large turboprop acft avbl on terminal apron on north side of rwy. Transient ramp preferred for use by training helicopters for launch and recovery. Preferred helicopter pattern SW of rwy. Rwy 12 calm wind rwy. + 363' radio twr located 1.4 miles north of arpt.

AIRPORT MANAGER: 208-459-9779**WEATHER DATA SOURCES:** AWOS-3PT 135.075 (208) 454-3953.**COMMUNICATIONS:** CTAF/UNICOM 122.7**SQUAW BUTTE RCO** 122.45 (BOISE RADIO)® **BIG SKY APP/DEP CON** 119.6**RADIO AIDS TO NAVIGATION:** NOTAM FILE BOI.**BOISE (H) VORTACW** 113.3 BOI Chan 80 N43°33.17'

W116°11.53' 269° 20.1 NM to fld. 2876/17E.

VOR portion unusable:

001°-044° byd 22 NM blo 11,000'

001°-044° byd 32 NM blo 14,500'

045°-071° byd 32 NM blo 12,500'

072°-084° byd 32 NM blo 10,500'

TACAN AZIMUTH & DME portion unusable:

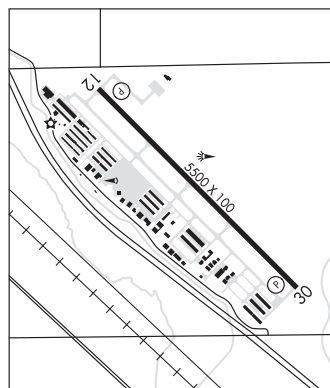
010°-060° byd 12 NM blo 13,000'

010°-060° byd 27 NM blo 15,500'

113°-155° byd 30 NM blo 7,000'

348°-010° byd 20 NM blo 13,000'

348°-010° byd 27 NM blo 15,500'

MERIDIAN NDB (MHW) 238 MPA N43°36.20' W116°32.34' 283° 4.8 NM to fld.**CAMAS CO** (See FAIRFIELD on page 45)**CAREY****CAREY** (U65) 0 E UTC-7(-6DT) N43°18.53' W113°56.16'

SALT LAKE CITY

4789 NOTAM FILE BOI

RWY 08-26: 2650X170 (TURF) 0.3% up W**RWY 08:** Fence.**RWY 26:** Fence.**AIRPORT REMARKS:** Unattended. Recommend land Rwy 26, tkf Rwy 08 when wind cond permit. Be alert for sprinklers on rwy.

Rwy 08-26 edges and thlds marked with conc markers. Numerous 30' to 90' trees at 900' to 1200' from EOR 08.

AIRPORT MANAGER: 208-309-0319**COMMUNICATIONS:** CTAF 122.9**HOLLOW TOP** (ØU7) 18 E UTC-7(-6DT) N43°19.43' W113°35.43'

SALT LAKE CITY

5359 NOTAM FILE BOI

RWY 05-23: 2500X140 (TURF) 1.1% up NE**RWY 23:** Road.

AIRPORT REMARKS: Unattended. No winter maintenance. Animals on and invof arpt. No line of sight btn rwy ends. Rwy 05-23 sfc may be poor due to damage by livestock, gnd vehicles and rodents. +3' sagebrush adjacent to both edges of rwy. Rwy 05-23 edges and thlds marked with white rocks.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9

CASCADE (U70) 2 SE UTC-7(-6DT) N44°29.54' W116°00.89'

4742 B NOTAM FILE BOI

SALT LAKE CITY
L-13B

RWY 12-30: H4300X60 (ASPH) S-12.5 MIRL

RWY 30: Rgt ttc.

SERVICE: S6 FUEL 100LL, JET A QX 4 LGT ACTIVATE MIRL Rwy 12-30 and windsock lgts—CTAF.

AIRPORT REMARKS: Attended Dec-Apr 1600-0000Z†, May-Nov 1500-0100Z†. To avoid apch/dep over town, land Rwy 30 and depart Rwy 12 when wind cond permit. Retro reflective reflectors on twys and ramp edges.

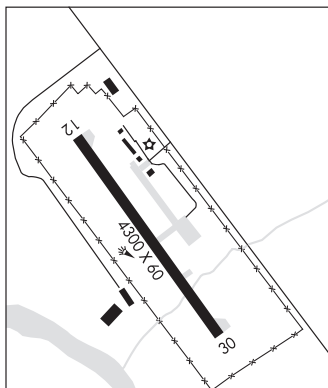
AIRPORT MANAGER: 208-382-4844

COMMUNICATIONS: CTAF 122.9

RCO 122.35 (BOISE RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE MYL.

DONNELLY (H) VORW/DME 116.2 DNJ Chan 109 N44°46.03' W116°12.38' 134° 18.4 NM to fld. 7333/19E.



CAVANAUGH BAY

TANGLEFOOT SPB (D28) 1 NW UTC-8(-7DT) N48°32.33' W116°49.93'

GREAT FALLS

2438 NOTAM FILE BOI

WATERWAY 15-33: 10000X2000 (WATER)

WATERWAY 15: Rgt ttc.

SEAPLANE REMARKS: Attended Apr-Oct dawn-dusk. Tie downs avbl at floating docks, parking avbl on beach. Rwy 15-33 +5' no wake buoy lctd in ldg area. Recommend ldg seaplane Waterway 15, dep seaplane Waterway 33, when winds permit. Cavanaugh Bay arpt lctd adj south, announce intentions—CTAF.

AIRPORT MANAGER: 208-650-2589

COMMUNICATIONS: CTAF 122.9

CAVANAUGH BAY (See COOLIN on page 41)

CAYUSE CREEK USFS (C64) 0 N UTC-7(-6DT) N46°40.00' W115°04.39'

GREAT FALLS

3505 NOTAM FILE BOI

RWY 04-22: 1800X75 (TURF)

RWY 04: Tree.

RWY 22: Trees.

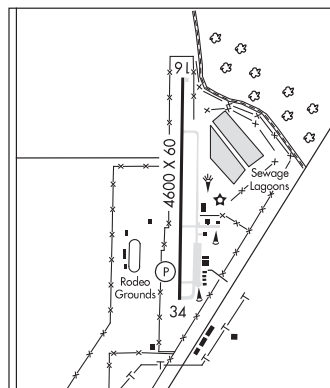
AIRPORT REMARKS: Unattended. Trees on apch both ends. Nml ldg Rwy 22. Rwy 04 and Rwy 22 thlds marked with conc T. Recommended for use only to experienced pilots with early morning and late evening ops dur summer months. Big game animals and stock on and invof rwy. Arpt lctd 4 miles south of Old Kelly Creek Ranger Station. No winter maint.

AIRPORT MANAGER: 208-476-4541

COMMUNICATIONS: CTAF 122.9

CHALLIS**CHALLIS** (LLJ)(KLLJ) 1 NE UTC-7(-6DT) N44°31.42' W114°13.08'**GREAT FALLS****L-13B**

5072 B NOTAM FILE LLJ

RWY 16-34: H4600X60 (ASPH) S-30 MIRL**RWY 16:** Fence.**RWY 34:** PAPI(P4L)—GA 3.0° TCH 40'. P-line.**SERVICE:** S4 FUEL 100, JET A**AIRPORT REMARKS:** Attended Mon-Fri 1400-0000Z+. Deer on and in/ovf arpt. Be alert helicopter ops adj southeast end of arpt. Recommend land Rwy 16, t/f Rwy 34 when wind cond permit.**AIRPORT MANAGER:** (208) 833-7423**WEATHER DATA SOURCES:** ASOS 119.275 (208) 879-5121. SAWRS.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE SMN.**SALMON (H) VORW/DME** 113.5 LKT Chan 82 N45°01.28' W114°05.05' 178° 30.4 NM to fld. 9260/13E.**LOWER LOON CREEK** (C53) 30 SW UTC-7(-6DT) N44°48.52' W114°48.52'**GREAT FALLS**

4200 NOTAM FILE BOI

RWY 16-34: 1200X25 (TURF-DIRT) 1.2% up S**RWY 16:** Fence.**RWY 34:** Brush.**AIRPORT REMARKS:** Unattended. Recommend land Rwy 16, dep Rwy 34 when wind cond allow. No winter maint. Rwy not marked. Arpt lctd on a plateau 50' to 75' abv the river. Lctd in narrow winding river canyon. Rodent activity adj both sides of rwy. Stock and big game animals in/ovf rwy.**AIRPORT MANAGER:** 208-756-2271**COMMUNICATIONS:** CTAF 122.9**UPPER LOON CREEK USFS** (U72) 26 NW UTC-7(-6DT) N44°35.49' W114°49.39'**GREAT FALLS**

5500 NOTAM FILE BOI

RWY 04-22: 2500X75 (TURF-DIRT)**RWY 04:** Tree.**RWY 22:** Trees.**AIRPORT REMARKS:** Unattended. Recommend land Rwy 22, t/f Rwy 04 when wind cond permit. Trees and high terrain on both ends of Rwy 04-22, requires a steep approach. Rwy 04-22 numerous additional obstructions on apch to both rwy ends. No winter maint. Recommended for experienced mountain pilots only. Rwy 04-22 edges and thlds marked with white rocks.**AIRPORT MANAGER:** 208-879-4101**COMMUNICATIONS:** CTAF 122.9**CHAMBERLAIN GUARD STATION****CHAMBERLAIN USFS** (U79) 0 E UTC-7(-6DT) N45°22.74' W115°11.81'**GREAT FALLS**

5765 NOTAM FILE BOI

RWY 07-25: 4100X200 (TURF-DIRT)**RWY 07:** Trees.**RWY 25:** Tree.**RWY 15-33:** 2700X140 (TURF)**RWY 15:** Trees.**RWY 33:** Trees.**AIRPORT REMARKS:** Unattended. Rwy 07-25 rough sfc. Rwy 15-33 rough and uneven sfc. No twy avbl. Arpt subject to tmpry closure early spring due to soft rwys. Rwy 07-25 and Rwy 15-33 thlds marked and rwys outlined with yellow rocks. Rwy 15-33 has +2' pipe and -2' ditch across rwy North of Rwy 07-25 int. No twy from Rwy 15-33 to campgrounds. Rwy 15 120' timbered hill 1200' on cntrln. Extv rodent activity on both rwys. No telephone avbl at arpt. Private Stone Breaker Arpt lctd 1 NM NE of Chamberlain USFS.**AIRPORT MANAGER:** 208-634-0600**COMMUNICATIONS:** CTAF 122.9**CHAMBERLAIN USFS** (See CHAMBERLAIN GUARD STATION on page 39)

COEUR D'ALENE**BROOKS SPB** (S76) 0 SW UTC-8(-7DT) N47°40.33' W116°47.16'**GREAT FALLS**

2125 NOTAM FILE BOI

WATERWAY 11-29: 15000X2000 (WATER)**WATERWAY 11:** Rgt ttc.**WATERWAY 15-33:** 15000X2000 (WATER)**WATERWAY 15:** Rgt ttc.**SERVICE:** FUEL 100LL

SEAPLANE REMARKS: Attended Mar-Oct 1700-dusk. Heavy boat ttc and parasail activity on and invof SPB ldg area. Fly pats over lake, do not overfly city. Helicopter ops invof SPB. Ultralight acft opr invof SPB ldg area. Adjacent boat marina may have dock space avbl.

AIRPORT MANAGER: 208-664-2842**COMMUNICATIONS:** CTAF 122.9**COEUR D'ALENE — PAPPY BOYINGTON FLD** (COE)(KCOE) P (AR) 9 NW UTC-8(-7DT) N47°46.46'**GREAT FALLS**

W116°49.18'

H-1C, L-13B

2320 B Class IV, ARFF Index A NOTAM FILE COE

IAP, AD

RWY 06-24: H7400X100 (ASPH-GRVD) S-57, D-95, 2S-121, 2D-165 HIRL 0.6% up NE

RWY 06: MALSR (NSTD) PAPI(P4R)—GA 3.0° TCH 57'.**RWY 24:** REIL. PAPI(P4R)—GA 3.0° TCH 47'.**RWY 02-20:** H5400X75 (ASPH-GRVD) S-50, D-83, 2S-105, 2D-150

MIRL

RWY 02: REIL. PAPI(P2L)—GA 3.0° TCH 36'. Rgt ttc.**RWY 20:** PAPI(P2L)—GA 3.0° TCH 37'.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 02:** TORA-5400 TODA-5400 ASDA-5400 LDA-5400**RWY 06:** TORA-7400 TODA-7400 ASDA-7400 LDA-7400**RWY 20:** TORA-5400 TODA-5400 ASDA-5400 LDA-5400**RWY 24:** TORA-7400 TODA-7400 ASDA-7400 LDA-7400**SERVICE:** S4 FUEL 100, JET A OX 1, 2, 3, 4 LGT Rwy 06 NSTD

MALSR, thld bar extends 5' byd rwy edge lgts each side. ACTIVATE

MIRL Rwy 02-20, HIRL Rwy 06-24, REIL Rwy 02 and Rwy 24,

MALSR Rwy 06—CTAF. PAPI Rwy 02, Rwy 20, Rwy 06, and Rwy 24

opr continuously. **MILITARY—FUEL** (NC-100, A – Self svc after hr fone

C208-772-6404, C208-661-4174, C208-661-7449, or

C208-699-5433. Self-svc avbl with credit card.)

AIRPORT REMARKS: Attended Mon-Fri 1500-0100Z. For after hrs fuel self svc avbl or call 208-772-6404, 208-661-4174, 208-661-7449, 208-699-5433. Self svc fuel avbl with credit card. 48 hr PPR for unscheduled ops with more than 30 pax seats call arpt mgr 208-446-1860. Migratory birds on and invof arpt Oct-Nov. Remote control airstrip is 2.3 miles west AER 06. Arpt conditions avbl on AWOS.

AIRPORT MANAGER: 208-446-1860**WEATHER DATA SOURCES:** AWOS-3 135.075 (208) 772-8215. HIWAS 108.8 COE.**COMMUNICATIONS:** CTAF/UNICOM 122.8

RCO 122.05 (BOISE RADIO)

® SPOKANE APP/DEP CON 132.1

AIRSPACE: CLASS E svc continuous.**RADIO AIDS TO NAVIGATION:** NOTAM FILE COE.

(T) VORW/DME 108.8 COE Chan 25 N47°46.42' W116°49.24' at fld. 2293/19E. HIWAS.

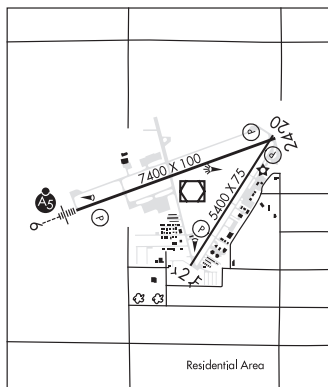
DME portion unusable:

220°-240° byd 15 NM

280°-315° byd 15 NM blo 11,000'

POST FALLS NDB (MHW) 347 LEN N47°44.57' W116°57.66' 057° 6.0 NM to fld.

ILS 110.7 I-COE Rwy 06. Class ID. LOC unusable 25° left and right of course. Unmonitored.

**MAGEE** (S77) 23 NE UTC-8(-7DT) N47°50.24' W116°15.81'**GREAT FALLS**

3002 NOTAM FILE BOI

RWY 01-19: 2200X150 (TURF)**RWY 01:** Hill.**RWY 19:** Thld dspld 300'. Brush.**AIRPORT REMARKS:** Unattended. Rwy 01-19 north 500' clsd Apr 1-Jul 15. Rwy 01-19 first 300' of north end very rough.

Heavy snowmobile activity during winter months. Rwy 01-19 edges and thlds marked with white rocks. Recommend land

Rwy 19, tkf Rwy 01 when wind conditions permit. No winter maintenance.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9

COLD MEADOWS GUARD STATION**COLD MEADOWS USFS** (U81) 0 NW UTC-7(-6DT) N45°17.61' W114°56.72'**GREAT FALLS**

7030 NOTAM FILE BOI

RWY 16-34: 4550X90 (TURF-DIRT) 0.5% up N**RWY 16:** Trees.**RWY 34:** Hill.

AIRPORT REMARKS: Unattended. No winter maintenance. Rodent activity on and in vicinity of arpt. Big game animals and livestock on and invof rwy. When wind conditions permit land Rwy 34 depart Rwy 16. Be advised U.S. Forestry Service recommends left turn down Cotton Wood Creek after departing Rwy 16. Rwy 34 125' ridge at 350' and 200' left. Very high density altitude factor during summer months. Rwy 16-34 center 20' portion of rwy length is DIRT. Rwy may be soft in early spring. Rubber water bar strips on rwy. Rwy 16 unpainted rock boundary markers. Rwy 16-34 South 3500' very rough. No telephone avbl at arpt.

AIRPORT MANAGER: 208-634-0600**COMMUNICATIONS:** CTAF 122.9**COLD MEADOWS USFS** (See COLD MEADOWS GUARD STATION on page 41)**COOLIN****CAVANAUGH BAY** (66S) 3 N UTC-8(-7DT) N48°31.12' W116°49.33'**GREAT FALLS**

2484 NOTAM FILE BOI

RWY 15-33: 3100X120 (TURF)**RWY 15:** Tree. Rgt tfc.**RWY 33:** Tree.

AIRPORT REMARKS: Attended Jun-Aug, Thu-Mon, 1600-0100Z±. Watch for sprinklers on rwy. No line of sight between Rwy ends. Seaplane ops conducted in bay north and adjacent to arpt monitor CTAF. Rwy 15-33 edges and thlds marked with white rocks. No winter maintenance. Heavy snowmobiles activity during winter months.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9**COPPER BASIN** (See MACKAY on page 54)**COTTONWOOD MUNI** (S84) 1 SE UTC-8(-7DT) N46°02.33' W116°19.89'**GREAT FALLS**

3474 B NOTAM FILE BOI

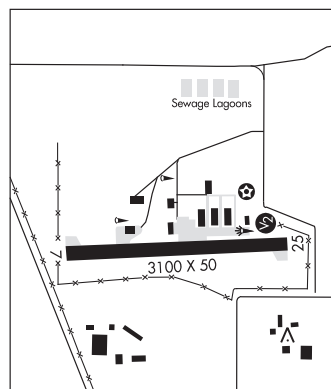
L-13B**RWY 07-25:** H3100X50 (ASPH) MIRL**RWY 07:** Fence.**RWY 25:** PVASI(PSIR)—GA 5.0° TCH 50'.

SERVICE: LGT ACTIVATE MIRL Rwy 07-25, PVASI Rwy 25, rotating bcn and windsock lgts—CTAF.

AIRPORT REMARKS: Attended irregularly. Rwy 07-25 marked with numbers only.

AIRPORT MANAGER: 208-962-3941**COMMUNICATIONS:** CTAF 122.9**CASCADE RCO** 122.35 (BOISE RADIO)**RADIO AIDS TO NAVIGATION:** NOTAM FILE PUW.**PULLMAN (L) VORW/DME** 109.0 PUW Chan 27 N46°40.45'W117°13.41' 115° 53.2 NM to fld. 2772/20E. **HIWAS.** DME

unmonitored.



COUNCIL MUNI (U82) 1 NW UTC-7(-6DT) N44°45.02' W116°26.70'

GREAT FALLS
L-13B

2963 B NOTAM FILE BOI

RWY 17-35: H3600X60 (ASPH) S-12.5 MIRL

RWY 17: Brush.

SERVICE: S2 FUEL 100LL LGT ACTIVATE MIRL Rwy 17-35—CTAF.

AIRPORT REMARKS: Unattended. Arpt surrounded by mountains all quadrants.

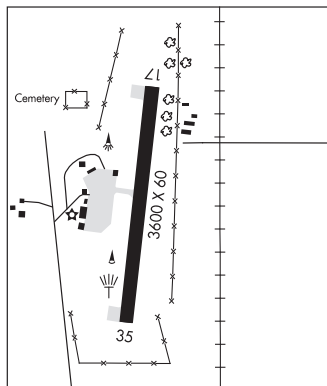
AIRPORT MANAGER: 208-253-6151

COMMUNICATIONS: CTAF/UNICOM 122.8

CASCADE RCO 122.35 (BOISE RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE MYL.

DONNELLY (H) VORW/DME 116.2 DNJ Chan 109 N44°46.03'
W116°12.38' 245° 10.3 NM to fld. 7333/19E.



COXS WELL (See ATOMIC CITY on page 32)

CRAIGMONT MUNI (S89) 0 N UTC-8(-7DT) N46°14.86' W116°28.76'

GREAT FALLS

3805 B NOTAM FILE BOI

RWY 07-25: H2800X50 (ASPH) MIRL

RWY 25: Thld dsplcd 300'. Ground.

SERVICE: LGT ACTIVATE MIRL Rwy 07-25 and bcn—CTAF.

AIRPORT REMARKS: Unattended. Arpt CLOSED after heavy snowfall. Recommend ldg Rwy 25, departing Rwy 07, when wind cond permit. Rwy 25 thld dsplcd 300' at ngt, marked with dsplcd thld lights and rwy markings.

COMMUNICATIONS: CTAF 122.9

DIXIE

DIXIE USFS (A05) 3 SW UTC-8(-7DT) N45°31.24' W115°31.06'

GREAT FALLS

5148 NOTAM FILE BOI

RWY 18-36: 4500X100 (TURF)

RWY 18: Trees.

RWY 36: Hill.

AIRPORT REMARKS: Unattended. Airstrip is lctd in high timber mountain basin. Recommend ldg Rwy 36 when wind cond permit. Recommend dep Rwy 18, make rgt turn down Crooked Creek after dep. No winter maint. No telephone avbl at arpt. Rwy 18-36 thlds marked with beams painted white. Ongoing rodent damage midfld.

AIRPORT MANAGER: 208-983-9571

COMMUNICATIONS: CTAF 122.9

WILSON BAR USFS (C48) 8 S UTC-8(-7DT) N45°23.80' W115°29.00'

GREAT FALLS

2275 NOTAM FILE BOI

RWY 06-24: 1500X50 (TURF-DIRT)

RWY 06: Brush.

RWY 24: Trees.

AIRPORT REMARKS: Unattended. Big game animals on and invof arpt. No winter maint. Land Rwy 24, dep Rwy 06, no go around possible. Downdrafts prevalent on apch to Rwy 24. Recommend for use by mountain proficient pilots using high performance acft. Rwy 24 thld and rwy edges marked with white painted rocks. Mackay Bar Pvt Arpt 2 miles downriver.

AIRPORT MANAGER: 208-839-2211

COMMUNICATIONS: CTAF 122.9

DONALD D COSKI MEM (See DONNELLY on page 43)

DONNELLY**DONALD D COSKI MEM** (U84) 1 W UTC-7(-6DT) N44°43.74' W116°05.56'

GREAT FALLS

4860 NOTAM FILE BOI

RWY 18-36: 2500X125 (TURF)**RWY 18:** Trees.**RWY 36:** Trees.**AIRPORT REMARKS:** Unattended. No winter maintenance. Recommend land Rwy 36 and take off Rwy 18 when wind conditions permit. No telephone avbl at arpt. Rwy 18-36 may not be mowed full width.**AIRPORT MANAGER:** 208-325-8859**COMMUNICATIONS:** CTAF 122.9

CASCADE RCO 122.35 (BOISE RADIO)

DONNELLY N44°46.03' W116°12.38' NOTAM FILE MYL.

GREAT FALLS

(H) VORW/DME 116.2 DNJ Chan 109 012° 8.6 NM to Mc Call Muni. 7333/19E.

H-1C, L-13B

DOWNEY(HYDE MEM) (U58) 1 E UTC-7(-6DT) N42°25.45' W112°06.57'

SALT LAKE CITY

4919 B NOTAM FILE BOI

L-11D

RWY 17-35: H3550X50 (ASPH) LIRL 0.4% up S**RWY 17:** Tank.**RWY 35:** Road.**SERVICE:** LGT For LIRL Rwy 17-35 and rot bcn—key 122.8 five times.**AIRPORT REMARKS:** Unattended. Farm machinery to 20' high may be lctd within 500' of apch to Rwy 17. Ramp and twy apsh poor.**AIRPORT MANAGER:** 208-317-5238**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE MLD.**MALAD CITY (H) VORW/DME** 117.4 MLD Chan 121 N42°11.99' W112°27.07' 031° 20.3 NM to fld. 7330/17E.

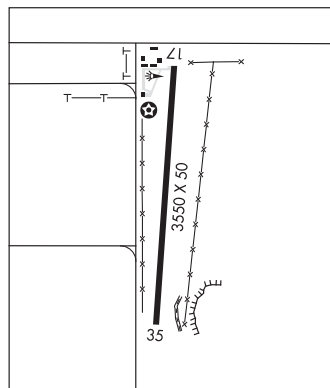
VOR portion unusable:

157°-167° byd 25 NM blo 11,000'

DME portion unusable:

005°-025° byd 30 NM blo 14,000'

157°-167° byd 25 NM blo 11,000'

**DRIGGS-REED MEM** (DIJ)(KDIJ) 1 N UTC-7(-6DT) N43°44.56' W111°05.81'

SALT LAKE CITY

6231 B NOTAM FILE DIJ

H-3E, L-11D

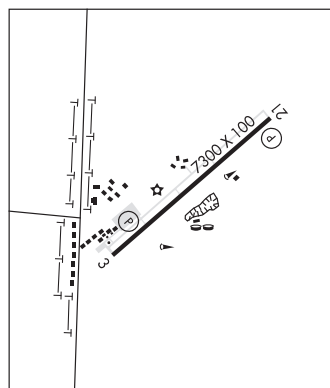
RWY 03-21: H7300X100 (ASPH) S-30, D-75 PCN 28 F/B/X/T MIRL

IAP

1.1% up NE

RWY 03: PAPI(P4L)—GA 3.0° TCH 40'.**RWY 21:** REIL. PAPI(P4L)—GA 3.0° TCH 40'. Rgt tfc.**SERVICE:** S4 FUEL 100LL, JET A OX 1, 2 LGT PAPI RWys 03 and 21 opr continuously. ACTIVATE MIRL Rwy 03-21 and REIL Rwy 21—CTAF.**AIRPORT REMARKS:** Attended Oct-May 1500-0000Z†, Jun-Sep 1400-0200Z†. After hrs call 208-354-3100. FBO phone 208-354-3100. Sailplane ops, heavy dur summer months. Gliders use rgt tfc for Rwy 03 and left tfc for Rwy 21. 3000' X150' turf ldg area marked with white cones btn Rwy 03-21 and twy ltd to tailwheel acft with wingspan 49' or less.**AIRPORT MANAGER:** 208-354-2362**WEATHER DATA SOURCES:** AWOS-3PT 120.775 (208) 354-6661.**COMMUNICATIONS:** CTAF/UNICOM 122.7

SALT LAKE CENTER APP/DEP CON 128.35

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.**DUBOIS (H) VORTACW** 116.9 DBS Chan 116 N44°05.33' W112°12.56' 098° 52.5 NM to fld. 4920/15E.

DUBOIS MUNI (U41) 1 SE UTC-7(-6DT) N44°09.74' W112°13.24'

SALT LAKE CITY

5123 NOTAM FILE BOI

RWY 16-34: 4600X100 (GRVL-DIRT)

RWY 16: Road.

RWY 34: Rgt t/c.

AIRPORT REMARKS: Unattended. No winter maint. Rwy 16-34 is ctrd btn bdry markers. Rwy 16-34 cone bdry markers 125' each side of rwy cntrln and wood panels across both thlds. Rwy 16 +6' fence at 100' and 250' from thld on cntrln. +75' steeple 1400' from thld, 100' left.

AIRPORT MANAGER: 208-374-5241

COMMUNICATIONS: CTAF 122.9

DUBOIS N44°05.33' W112°12.56' NOTAM FILE BOI.

SALT LAKE CITY

(H) **VORTACW** 116.9 DBS Chan 116 207° 19.1 NM to Mud Lake(West Jefferson Co). 4920/15E.

H-10, L-11D

ECKHART INTL (See PORTHILL on page 63)

ELK CITY (S90) 0 SW UTC-8(-7DT) N45°49.36' W115°26.39'

GREAT FALLS

4097 NOTAM FILE BOI

RWY 14-35: 2600X150 (TURF)

RWY 14: Trees.

RWY 35: Trees.

SERVICE: S2

AIRPORT REMARKS: Unattended. Land Rwy 14, tkf Rwy 35 when wind condition allow. Rwy 14-35 is a curved rwy. Rwy 14-35 50' usable width. Rwy 14 thld is not defined. Rwy not maintained in winter.

AIRPORT MANAGER: 208-842-9220

COMMUNICATIONS: CTAF 122.9

EMMETT MUNI (S78) 3 SW UTC-7(-6DT) N43°51.16' W116°32.34'

SALT LAKE CITY

2354 B NOTAM FILE BOI

L-11B

RWY 10-28: H3307X55 (ASPH) S-8 MIRL

RWY 28: Fence.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 10: TORA-2934 TODA-2934

RWY 28: TORA-3107 TODA-3107

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 10-28—CTAF.

AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs self serve credit card. Golf course on both sides of rwy. Golf course road crosses near Rwy 28 thld. Watch for golfers on rwy. 1800X20 pvt grvl AG rwy located adjacent NW of arpt. Rwy 28 dsplcd thld marked with white bar and white chevrons only. NSTD markings Rwy 10, dsplcd thld markings yellow.

AIRPORT MANAGER: 208-861-9055

COMMUNICATIONS: CTAF 122.9

SQUAW BUTTE RCO 122.45 (BOISE RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.

BOISE (H) VORTACW 113.3 BOI Chan 80 N43°33.17' W116°11.53' 303° 23.5 NM to fld. 2876/17E.

VOR portion unusable:

001°-044° byd 22 NM blo 11,000'

001°-044° byd 32 NM blo 14,500'

045°-071° byd 32 NM blo 12,500'

072°-084° byd 32 NM blo 10,500'

TACAN AZIMUTH & DME portion unusable:

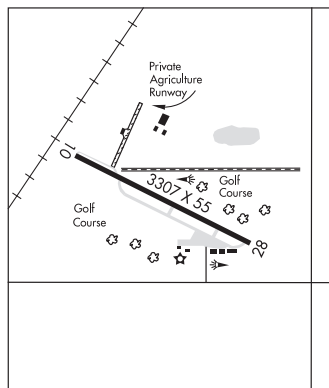
010°-060° byd 12 NM blo 13,000'

010°-060° byd 27 NM blo 15,500'

113°-155° byd 30 NM blo 7,000'

348°-010° byd 20 NM blo 13,000'

348°-010° byd 27 NM blo 15,500'



FAIRFIELD**CAMAS CO** (U86) 0 S UTC-7(-6DT) N43°20.51' W114°47.90'**SALT LAKE CITY**

5658 NOTAM FILE BOI

RWY 08-26: 2950X40 (DIRT)**RWY 08:** Road. Rgt ttc.**RWY 26:** Pole.**AIRPORT REMARKS:** Unattended. Irregular winter maintenance and snow removal, check rwy condition before using.**AIRPORT MANAGER:** 208-764-2652**COMMUNICATIONS:** CTAF 122.9

FISH LAKE (USFS) (S92) 0 E UTC-8(-7DT) N46°19.81' W115°03.79'**GREAT FALLS**

5646 NOTAM FILE BOI

RWY 05-23: 2650X50 (TURF)**RWY 05:** Tree.**RWY 23:** Trees.**AIRPORT REMARKS:** Unattended. No winter maintenance. Rwy 05-23 soft when wet. Elk wallows on rwy. Land Rwy 23, tkf Rwy 05. No touch and go ldgs or stop and go ldgs, go arounds not recommended due to steep rising terrain off west end of Rwy 05-23. Rwy 05-23 additional 400' of length avbl for tkf on the end of Rwy 05. Down drafts prevalent over lake. Ctc USFS arpt manager 208-983-9677 for briefings and rwy conditions. Do not park acft in front of USFS administrative site. Recommend early morning and late evening ops during summer months. Normally mowed to a usable width of 50'-75'. Rwy 23 end marked with conc T marker. Rwy 05 and Rwy 23 ends marked with orange cones. No telephone avbl at arpt.**AIRPORT MANAGER:** 208-983-9677**COMMUNICATIONS:** CTAF 122.9

FRIEDMAN MEM (See HAILEY on page 48)**GARDEN VALLEY** (U88) 2 SE UTC-7(-6DT) N44°04.02' W115°55.88'**SALT LAKE CITY**

3177 NOTAM FILE BOI

RWY 10-28: 3850X125 (TURF) 1.4% up E**RWY 10:** Fence.**RWY 28:** Fence.**AIRPORT REMARKS:** Unattended. USFS heliport ops adjacent to SE end of arpt. Watch for sprinkler heads on rwy. Arpt located in mountain valley. No winter maintenance. Recommend ldg Rwy 10, tkf Rwy 28, if winds allow. Rwy 10-28 edges and thids marked with white rocks. No telephone avbl at arpt.**AIRPORT MANAGER:** 208-334-8775**COMMUNICATIONS:** CTAF 122.9

GLENGARY**LAKE PEND OREILLE SPB** (S96) 1 SE UTC-8(-7DT) N48°13.00' W116°21.64'**GREAT FALLS**

2062 B NOTAM FILE BOI

WATERWAY 14W-32W: 15000X4000 (WATER)**SEAPLANE REMARKS:** Attended continuously. Unmarked helipad located on beach to the west adjacent to docks with NSTD helicopter VASI located on winch platform. Helicopter ops on and invof SPB. Bcn activated upon request. Ctc SPB manager 208-263-8554.**AIRPORT MANAGER:** 208-263-8554**COMMUNICATIONS:** CTAF/UNICOM 122.8

GLENNS FERRY MUNI (U89) 1 SW UTC-7(-6DT) N42°56.62' W115°19.81'

SALT LAKE CITY
L-11C

2536 B NOTAM FILE BOI

RWY 08-26: H3050X60 (ASPH) MIRL

RWY 26: Trees.

SERVICE: LGT ACTIVATE rotating bcn, MIRL Rwy 08-26—CTAF.

AIRPORT REMARKS: Unattended. Rwy 08-26 distance to go markers every 1000' south side of rwy. Rwy 08-26 white reflectors on both edges of rwy, green reflectors on both thlds.

AIRPORT MANAGER: (208) 599-0081

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE TWF.

TWIN FALLS (L) VORTACW 115.8 TWF Chan 105 N42°28.79'

W114°29.37' 289° 46.4 NM to fld. 4140/18E.

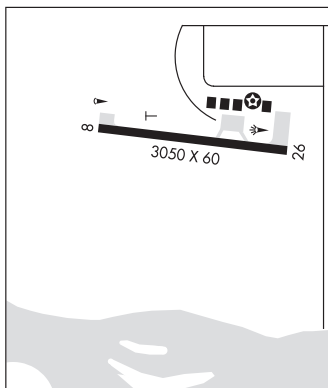
VOR portion unusable:

115°-160° byd 30 NM blo 11,000'

115°-160° byd 33 NM blo 12,000'

TACAN AZIMUTH & DME unusable:

105°-160° byd 20 NM blo 15,000'



GOODING MUNI (GNG)(KGNG) 3 SW UTC-7(-6DT) N42°55.03' W114°45.91'

SALT LAKE CITY
L-11C
IAP

3732 B NOTAM FILE BOI

RWY 07-25: H4745X75 (ASPH) S-30 MIRL 1.4% up NE

SERVICE: S4 FUEL 100LL, JET A OX 1, 2, 3, 4 LGT ACTIVATE MIRL

Rwy 07-25—CTAF. 3 clicks medium ints-5 clicks high ints.

AIRPORT REMARKS: Attended 1500-0000Z. For arpt attendant after hrs call 208-539-5934 or 208-934-8298. Considerable helicopter ops.

AIRPORT MANAGER: 208-934-5934

COMMUNICATIONS: CTAF/UNICOM 122.8

BLISS RCO 122.4 (BOISE RADIO)

SALT LAKE CENTER APP/DEP CON 118.05

RADIO AIDS TO NAVIGATION: NOTAM FILE TWF.

TWIN FALLS (L) VORTACW 115.8 TWF Chan 105 N42°28.79'

W114°29.37' 317° 28.9 NM to fld. 4140/18E.

VOR portion unusable:

115°-160° byd 30 NM blo 11,000'

115°-160° byd 33 NM blo 12,000'

TACAN AZIMUTH & DME unusable:

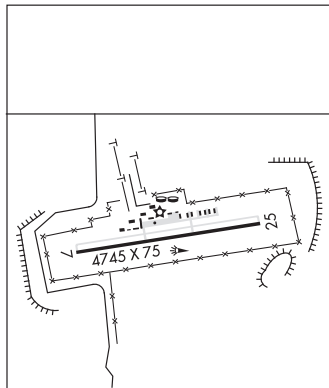
105°-160° byd 20 NM blo 15,000'

STEELHEAD NDB (MHW) 211 HDG N42°54.97'

W114°40.45' 255° 4.0 NM to fld. NOTAM FILE BOI.

NDB unusable:

Byd 15 NM



GRAHAM USFS (See ATLANTA on page 31)

GRANGEVILLE**IDAHO CO** (GIC)(KGIC) 1 N UTC-8(-7DT) N45°56.55' W116°07.41'**GREAT FALLS**

3314 B NOTAM FILE BOI

H-1C, L-13B**RWY 07-25:** H5101X75 (ASPH) S-75, D-95, 2D-145 MIRL**IAP**

0.5% up E

RWY 07: REIL. Thld dspld 100'. Road.**SERVICE:** S2 **FUEL** 100LL, JET A **LGT** ACTIVATE REIL Rwy 07—CTAF.

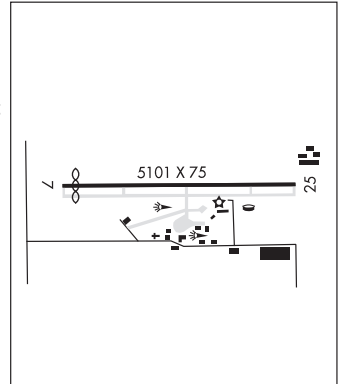
MIRL Rwy 07-25 operates continuously.

AIRPORT REMARKS: Unattended. 24 hr self svc credit card fueling facility.

Parachute activity May thru Aug. Wildlife in vicinity. Be aware mowing all sfc. Considerable USFS fire retardant ops during summer months.

AIRPORT MANAGER: 208-983-1565**WEATHER DATA SOURCES:** AWOS-3 118.175 (208) 983-0306.**COMMUNICATIONS:** CTAF 122.8® **SEATTLE CENTER APP/DEP CON** 123.95**RADIO AIDS TO NAVIGATION:** NOTAM FILE MYL.**DONNELLY (H) VORW/DME** 116.2 DNJ Chan 109 N44°46.03'

W116°12.38' 344° 70.6 NM to fld. 7333/19E.

**GRASMERE** (U91) 0 S UTC-7(-6DT) N42°22.40' W115°52.77'**SALT LAKE CITY**

5144 NOTAM FILE BOI

RWY 05-23: 2750X150 (TURF-DIRT) 0.6% up SW**RWY 05:** Fence.**AIRPORT REMARKS:** Unattended. No winter maintenance. No telephone avbl at arpt. Rwy 05-23 sfc may be poor due to damage by livestock, ground vehicles and rodents. Rwy 05, 4' fence at 90' on centerline, 7' road at 150' on center, 65' marked powerline at 900' on centerline. Rwy 05-23 edges and thlds marked with white rocks.**AIRPORT MANAGER:** 208-334-8775**COMMUNICATIONS:** CTAF 122.9

HAILEY

FRIEDMAN MEM (SUN)(KSUN) 1 SE UTC-7(-6DT) N43°30.23' W114°17.73'

5320 B ARFF Index—See Remarks NOTAM FILE SUN

RWY 13-31: H7550X100 (ASPH-GRVD) S-65, D-95, 2D-150 HIRL

0.8% up NW

RWY 13: Thld dsplcd 1701'. Road.

RWY 31: PAPI(P4L)—GA 3.5° TCH 55'. Tree.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 13: TORA-7150 TODA-7550 ASDA-7150 LDA-5450

RWY 31: TORA-5850 TODA-7550 ASDA-6631 LDA-6631

SERVICE: S4 FUEL 100LL, JET A1+ 0X1, 3 LGT ACTIVATE HIRL Rwy

13-31—CTAF when twr clsd. PAPI Rwy 31 opr 24 hrs.

AIRPORT REMARKS: Attended dawn-dusk. Fuel avbl after dusk PPR

208-788-9511. Class I, ARFF Index A. ARFF avbl 1400-0600Z†.

ATCT 275' east of Rwy 13-31 cntrln. Afd sfc cond not monitored btn the hrs of 0600Z† and 1400Z†. Bird activity southeast end Rwy 31.

When twr clsd land Rwy 31 tkf Rwy 13 due to opposite direction tfc, use ldg lgts in tfc pat. Due to opposite tfc, apch Rwy 31 along east side of valley, depart Rwy 13 along west side of valley, show ldg lgt. Ctc aprt mgr 208-788-4956 or 208-720-5186 for NS ABTMT procedures.

Rwy 13-31 ltd to acft not exceeding 95,000 lbs certificated max tkf weight, dual wheel. Acft with published max tkf weight exceeding 95,000 lbs must seek prior permission by submitting to aprt mgr a manufacturer's acft svc change that installs a placard verifying acft is certificated for SUN with a max tkf weight of 95,000 lbs. PPR for all acft with published wingspan exceeding 100'. Not recommended for ngt use or in marginal wx by unfamiliar pilots due to mountainous terrain. Twys B5 and B6 rstd to acft with wingspans of 79' or less (Acft Design Group II) only. PPR for all scheduled air carrier ops btn 0600-1300Z† call aprt mgr 208-788-4956. No locked brake turns. All tran parking ctc 208-788-9511. Ltd parking avbl for air carrier acft. Ldg fee for acft greater than 6,000 lbs.

AIRPORT MANAGER: 208-788-4956

WEATHER DATA SOURCES: AWOS-3 128.225 (208) 788-9213. LAWRS.

COMMUNICATIONS: CTAF 125.6 ATIS 128.225 (208) 788-2108 UNICOM 122.95

HAILEY RCO 122.4 (BOISE RADIO)

SALT LAKE CENTER APP/DEP CON 118.05

HAILEY TOWER 125.6 (1400-0600Z†) **GND CON** 121.7

AIRSPACE: CLASS D svc 1400-0600Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE BYI.

BURLEY (L) VOR/DME 114.1 BYI Chan 88 N42°34.81' W113°51.95' 323° 58.5 NM to fld. 4226/18E.

VOR/DME unusable:

120°-150° byd 30 NM blo 15,000'

HAILEY NDB/DME (MHW) 220 HLE Chan 25 N43°19.79' W114°14.62' 335° 10.7 NM to fld. NOTAM FILE

SUN. NDB/DME unmonitored.

DME unusable:

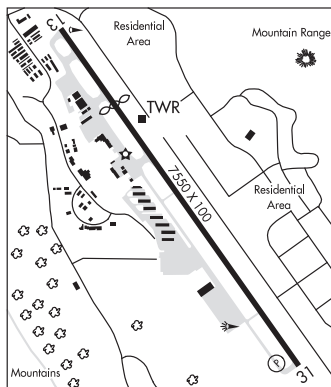
080°-280°

280°-080° byd 12 NM

NDB unusable:

310°-350° byd 6 NM

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.



MAGIC RESERVOIR (U93) 15 SW UTC-7(-6DT) N43°16.84' W114°23.78'

SALT LAKE CITY

4844 NOTAM FILE BOI

RWY 04-22: 4000X100 (TURF-GRVL)

RWY 04: Road.

RWY 22: Fence.

RWY 10-28: 1750X100 (TURF) 0.4% up E

RWY 10: Sign.

RWY 28: Trees.

AIRPORT REMARKS: Unattended. No winter maintenance. When wind conditions allow, land Rwy 04 or Rwy 10, tkf Rwy 22 or Rwy 28 to avoid flying over resort area. Rwy 10-28 no line of sight between rwy ends. Rwy 04-22 edges and thld marked with white rocks. No telephone avbl at aprt.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9

HAILEY N43°19.79' W114°14.62' NOTAM FILE SUN.
NDB/DME (MHW) 220 HLE Chan 25 335° 10.7 NM to Friedman Mem. NDB/DME unmonitored.
 DME unusable:
 080°-280°
 280°-080° byd 12 NM
 NDB unusable:
 310°-350° byd 6 NM
RCO 122.4 (BOISE RADIO)

SALT LAKE CITY
 L-11C

HAZELTON MUNI (U94) 1 S UTC-7(-6DT) N42°34.57' W114°08.16'
 4172 NOTAM FILE BOI
RWY 06-24: H2800X90 (ASPH)
RWY 06: Bldg.
RWY 24: Road.

SALT LAKE CITY

AIRPORT REMARKS: Unattended. No winter maintenance. Rwy 06-24 no line of sight between rwy ends. Rwy 06-24 has a 300' grvl stopway on northeast end.

AIRPORT MANAGER: 208-324-9980

COMMUNICATIONS: CTAF 122.9

HENRY'S LAKE (See ISLAND PARK on page 50)

HOLLOW TOP (See CAREY on page 37)

HOMEDALE MUNI (S66) 0 SE UTC-7(-6DT) N43°36.88' W116°55.29'
 2219 NOTAM FILE BOI
RWY 13-31: H2900X50 (ASPH) S-6
RWY 13: Thld dsplcd 335'. Tree.
RWY 31: Trees.

SALT LAKE CITY

SERVICE: S1

AIRPORT REMARKS: Unattended. No telephone avbl at arpt.

AIRPORT MANAGER: 208-880-2719

COMMUNICATIONS: CTAF 122.9

HOWE (U97) 4 NW UTC-7(-6DT) N43°50.34' W113°02.80'
 4930 NOTAM FILE BOI
RWY 13-31: 3800X25 (GRVL)
RWY 13: Road.
RWY 31: Road.

SALT LAKE CITY

AIRPORT REMARKS: Unattended. Arpt used heavily by spray planes during summer. +15' to +20' farm machinery may be parked on apch to Rwy 13, 230' from end of rwy. Rwy 13-31 thlds defined with white blocks and reflectors.

AIRPORT MANAGER: 208-767-3455

COMMUNICATIONS: CTAF 122.9

IDAHO CITY USFS (U98) 1 SW UTC-7(-6DT) N43°49.24' W115°51.06'
 3920 NOTAM FILE BOI
RWY 04-22: 3400X50 (GRVL-TURF)

SALT LAKE CITY

RWY 04: Trees.

RWY 22: Trees.

AIRPORT REMARKS: Unattended. No winter maintenance. No telephone avbl at arpt. Recommend land Rwy 04, tkf Rwy 22 when wind conditions permit. West 700' of rwy is turf, remainder is grvl. Rwy 04-22 edges and thlds marked with white rock.

AIRPORT MANAGER: (208) 392-6681

COMMUNICATIONS: CTAF 122.9

IDAHO CO (See GRANGEVILLE on page 47)

IDAHO FALLS RGNL (IDA)(KIDA) 2 NW UTC-7(-6DT) N43°30.82' W112°04.25'

4744 B TPA—See Remarks Class I, ARFF Index B NOTAM FILE IDA

SALT LAKE CITY

H-3D, L-11D

IAP, AD

RWY 02-20: H9002X150 (ASPH-GRVD) S-140, D-175, 2S-175,

2D-270 HIRL

RWY 02: REIL. VASI(V4L)—GA 3.0° TCH 35'.**RWY 20:** MALSR. PAPI(P4L)—GA 3.0° TCH 49'. RVR-T**RWY 17-35:** H4051X75 (ASPH) S-43, D-58 MIRL**RWY 17:** PAPI(P4L)—GA 3.0° TCH 40'.**RWY 35:** PAPI(P4L)—GA 3.5° TCH 45'. Antenna.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 02:** TORA-9002 TODA-9002 ASDA-9002 LDA-9002**RWY 17:** TORA-4051 TODA-4051 ASDA-4051 LDA-4051**RWY 20:** TORA-9002 TODA-9002 ASDA-9002 LDA-9002**RWY 35:** TORA-4051 TODA-4051 ASDA-4051 LDA-4051**SERVICE:** S4 FUEL 100LL, JET A1 OX 1, 2, 3, 4 LGT When twr clsd,

ACTIVATE HIRL Rwy 02-20, REIL Rwy 02 and MALSR Rwy

20—CTAF.

AIRPORT REMARKS: Attended 1230-0430Z. On call 24 hrs phone

208-390-8746 or 208-390-3624. Sfc cond unmonitored

0600-1230Z. Self svc fuel east of Twy Bravo avbl 24 hrs. Flocks of

birds and waterfowl on and in/ov arpt all year. Extv AG ops. Acft ops be

alert for possible incursions, no line of sight btn rwys. All commercial

acft advise prior to pushback. 24 hrs PPR for unscheduled air carrier

ops with more than 30 pax seats call arpt mgr 208-612-8224. ARFF avbl only during scheduled air carrier ops unless

PPR. TPA-6244 (1500) multi-engine/turbojet acft, 5744 (1000) single-engine acft, 5244 (500) rotorcraft. Rwy 20 and

Rwy 17 apch ends in close proximity. Rwy 02 and Rwy 20 sound similar. Wrong rwy dep/arr risk. Check rwy alignment.

Intersecting flt paths for Rwy 20 and Rwy 17 and Rwy 02 and Rwy 35. Freq veh tfc on east ramp adjacent to Twy B.

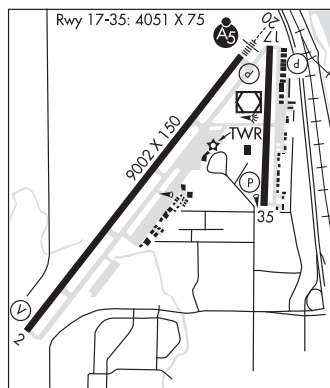
When twr is clsd, Twy A btn Twy A1 and the hold short line for Rwy 17 is clsd in order to protect Rwy 20 precision apchs.

AIRPORT MANAGER: 208-612-8221**WEATHER DATA SOURCES:** ASOS 135.325 (208) 524-4553. or 208-524-6048.**COMMUNICATIONS:** CTAF 118.5 ATIS 135.325 (208) 524-6048 UNICOM 122.95

RCO 122.55 (BOISE RADIO)

® **SALT LAKE CENTER APP/DEP CON** 128.35**TOWER** 118.5 (1400-0300Z) **GND CON** 121.7 **CLNC DEL** 121.7 128.35 (when twr clsd)**GCO** 121.725**AIRSPACE:** CLASS D svc 1400-0300Z; other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE IDA.(H) **VORW/DME** 113.85 IDA Chan 85(Y) N43°31.14' W112°03.84' at fld. 4724/15E.**SWEDEN NDB (MHW)** 350 SWU N43°25.93' W112°09.75' 024° 6.3 NM to fld. NOTAM FILE BOI.**UCONN NDB (LOM)** 324 ID N43°35.87' W111°58.84' 203° 6.4 NM to fld.**ILS/DME** 111.1 I-IDA Chan 48 Rwy 20. Class IB. LOM UCONN NDB.**COMM/NAV/WEATHER REMARKS:** Emerg freq 121.5 not avbl at twr. IDA svc ground com outlet commissioned key freq 121.725

2 times fuel delivery/ 4 times SLC ARTCC/ 6 times BOI AFSS/ 8 times 911 dispatch svc when twr clsd.

**INDIAN CREEK USFS** (S81) 0 NE UTC-7(-6DT) N44°45.67' W115°06.44'**GREAT FALLS**

4718 NOTAM FILE BOI

RWY 04-22: 4650X40 (DIRT) 0.7% up SW**RWY 04:** Tree.**RWY 22:** Tree.**AIRPORT REMARKS:** Unattended. No winter maintenance. Tfc observance in/ov Pistol Creek Arpt located 2.5 miles upstream.

Be advised USFS recommends, when departing up or down stream remain in main canyon. Do not attempt to climb

outside canyons. Rwy 04-22 edges and thlds marked with white rocks, Rwy 04-22 40' usable width, rwy edge markers

are 100' apart.

AIRPORT MANAGER: (208) 879-4102**COMMUNICATIONS:** CTAF 122.9**ISLAND PARK****HENRY'S LAKE** (U53) 3 SE UTC-7(-6DT) N44°38.09' W111°20.56'**GREAT FALLS**

6596 NOTAM FILE BOI

RWY 06-24: 4600X170 (TURF)**RWY 06:** Fence.**RWY 24:** Fence. Rgt tfc.**AIRPORT REMARKS:** Unattended. Livestock and big game animals have access to rwy dur fall, winter and spring. Do not leave

acft unattended during these seasons. No winter maintenance. Rwy 06-24 edges and thlds marked with white rocks.

Recommend land Rwy 06, tkf Rwy 24 when wind cond allow.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9

JEROME CO (JER)(KJER) 3 E UTC-7(-6DT) N42°43.60' W114°27.40'

4053 B NOTAM FILE JER

RWY 09-27: H5001X75 (ASPH) S-20 MIRL 1.8% up E

RWY 09: PAPI(P4L)—GA 3.0° TCH 40'. Rgt tfc.

RWY 27: Fence.

SERVICE: S4 FUEL 100LL, JET A+ LGT ACTIVATE MIRL Rwy 09-27—CTAF.

AIRPORT REMARKS: Attended 1500-0000Z†. Cold temperature restricted airport. Altitude correction required at or below -22C/-8F. Twr 690' AGL lctd 1.8 NM ENE of arpt. Reflectors on parallel twy.

AIRPORT MANAGER: 208-324-9980

WEATHER DATA SOURCES: ASOS 135,225 (208) 324-7076.

COMMUNICATIONS: CTAF/UNICOM 122.8

TWIN FALLS APP/DEP CON 126.7 (1300-0400Z†)

SALT LAKE CENTER APP/DEP CON 118.05 (0400-1300Z†)

RADIO AIDS TO NAVIGATION: NOTAM FILE TWF.

TWIN FALLS (L) VORTACW 115.8 TWF Chan 105 N42°28.79'

W114°29.37' 348° 14.9 NM to fld. 4140/18E.

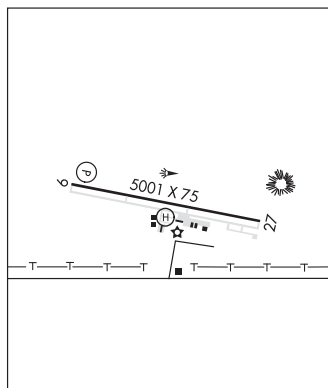
VOR portion unusable:

115°-160° byd 30 NM blo 11,000'

115°-160° byd 33 NM blo 12,000'

TACAN AZIMUTH & DME unusable:

105°-160° byd 20 NM blo 15,000'



SALT LAKE CITY

H-3D, L-11C

IAP

JOHNSON CREEK (See YELLOW PINE on page 72)

JOSLIN FLD – MAGIC VALLEY RGNL (See TWIN FALLS on page 71)

KAMIAH MUNI (S73) 1 SE UTC-8(-7DT) N46°13.19' W116°00.83'

1206 TPA—2206(1000) NOTAM FILE BOI

RWY 14-32: 3000X90 (TURF) LIRL(NSTD) 0.3% up SE

RWY 14: Trees. Rgt tfc.

RWY 32: Fence.

SERVICE: LGT Rwy 14-32 NSTD LIRL. ACTIVATE LIRL Rwy 14-32—CTAF.

AIRPORT REMARKS: Attended irregularly. Numerous obst on both rwy apchs. Downdrafts prevalent over river on Rwy 32 apch. Canadian geese on and invof arpt. Not recommended tran pilots land after dark without first becoming familiar with arpt due to high terrain 0.5 mi from rwy. For rwy cond dur winter months call arpt mgr 208-935-0089.

AIRPORT MANAGER: 208-935-0089

COMMUNICATIONS: CTAF 122.9

GREAT FALLS

KELLOGG

SHOSHONE CO (S83) 3 W UTC-8(-7DT) N47°32.84' W116°11.34'

2227 B TPA—3227(1000) NOTAM FILE BOI

RWY 07-25: H5316X75 (ASPH) S-14 MIRL 0.4% up E

RWY 07: Tree. Rgt tfc.

RWY 25: Thld dsplcd 335'. Tree.

SERVICE: S3 FUEL 100LL LGT ACTIVATE MIRL Rwy 07-25—CTAF.

AIRPORT REMARKS: Attended dalgt hrs.

AIRPORT MANAGER: 208-786-5381

COMMUNICATIONS: CTAF/UNICOM 122.8

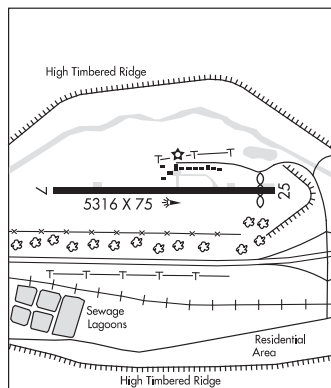
RADIO AIDS TO NAVIGATION: NOTAM FILE MLP.

MULLAN PASS (H) VORW/DME 117.8 MLP Chan 125 N47°27.41'

W115°38.76' 269° 22.7 NM to fld. 6100/15E. HIWAS.

VOR portion unusable:

060°-090° byd 20 NM blo 9,500'



GREAT FALLS

H-1D, L-13B

KETCHUM**TWIN BRIDGES** (U61) 22 NE UTC-7(-6DT) N43°56.62' W114°06.62'**SALT LAKE CITY**

6900 NOTAM FILE BOI

RWY 18-36: 4450X100 (TURF-DIRT)**RWY 18:** Hill.**RWY 36:** Berm.**AIRPORT REMARKS:** Unattended. No winter maintenance. Rwy 18-36 -1' ditch and +1' - 2' dirt berm entire perimeter of rwy. Arpt located in high mountain valley surrounded by high mountains. Be alert arpt subject to ongoing damage by livestock, ground vehicles and rodents. Rwy 18-36 edges and thlds marked with white rocks.**AIRPORT MANAGER:** 208-334-8775**COMMUNICATIONS:** CTAF 122.9**KIMAMA****LAILAW CORRLS** (U99) 12 N UTC-7(-6DT) N43°02.22' W113°44.02'**SALT LAKE CITY**

4448 NOTAM FILE BOI

RWY 07-25: 2250X130 (TURF) 0.9% up W**RWY 07:** Hill.**RWY 25:** Road.**AIRPORT REMARKS:** Unattended. No winter maintenance. Rwy 07-25 sfc subject to ongoing damage by rodents, ground vehicles and livestock. Rwy 07-25 edges and thlds marked with white rocks. Rwy 25 +15' road 30'-50' left.**AIRPORT MANAGER:** 208-334-8775**COMMUNICATIONS:** CTAF 122.9**KOOSKIA MUNI** (S82) 1 S UTC-8(-7DT) N46°07.96' W115°58.73'**GREAT FALLS**

1263 NOTAM FILE BOI

RWY 14-32: 1900X100 (TURF)**RWY 14:** Road.**RWY 32:** Road.**AIRPORT REMARKS:** Unattended. Geese on and invof arpt. Numerous obstructions in all quadrant around arpt. Rwy 14-32 width varies due to mowing and maintenance. Rwy 32 thld marked with red reflectors.**AIRPORT MANAGER:** 208-926-4751**COMMUNICATIONS:** CTAF 122.9**KRASSEL USFS** (See MC CALL on page 55)**LAILAW CORRLS** (See KIMAMA on page 52)**LAKE PEND OREILLE SPB** (See GLENGARY on page 45)**LANDMARK USFS** (ØUØ) 1 SE UTC-7(-6DT) N44°38.53' W115°32.00'**GREAT FALLS**

6662 NOTAM FILE BOI

RWY 16-34: 4000X100 (TURF-DIRT) 0.3% up S**RWY 16:** Trees.**RWY 34:** Tree.**AIRPORT REMARKS:** Unattended. No telephone avbl at arpt. Wildlife on and invof arpt. No winter maintenance. No line of sight between rwy ends. Arpt located in high mountain valley surrounded by high terrain. Rwy 16-34 edges marked with white rock markers.**AIRPORT MANAGER:** (208) 382-7400**COMMUNICATIONS:** CTAF 122.9**LEADORE** (UØØ) 0 S UTC-7(-6DT) N44°40.39' W113°21.15'**GREAT FALLS**

6029 NOTAM FILE BOI

RWY 11-29: H3500X140 (ASPH-TURF) RWY LGTS(NSTD) 0.5% up E**RWY 11:** Pole.**RWY 29:** Fence.**RWY 16-34:** 2903X90 (TURF) 1.4% up S**RWY 16:** Pole.**RWY 34:** Fence.**AIRPORT REMARKS:** Unattended. Numerous buildings in apch to Rwy 11. Rwy 11-29 2300' asph section starting at Rwy 11 end. Rwy 16-3' road at 200' on centerline, +30' pole 250' 60' left, numerous other obstruction to +10' at 100' to 400' in the apch zone. Agricultural irrigation equipment +15' may be located within 50' of AER 34. Rwy 11-29 surface rough. Rwy 16-34 surface rough. Rwy 11-29 NSTD rwy lgts. Rwy 11 last 1200' not lgtd.**AIRPORT MANAGER:** (208) 768-7008**COMMUNICATIONS:** CTAF 122.9

LEE WILLIAMS MEM (See MIDVALE on page 56)

LEMHI CO (See SALMON on page 67)

LEWISTON

LEWISTON-NEZ PERCE CO (LWS)(KLWS) 2 S UTC-8(-7DT) N46°22.47' W117°00.92'

1442 B TPA—See Remarks Class I, ARFF Index A NOTAM FILE LWS

RWY 08-26: H6512X150 (ASPH-GRVD) S-150, D-180, 2S-175,
2D-400 HIRL

RWY 08: REIL. VASI(V4L)—GA 3.0° TCH 45'. Rgt tfc.

RWY 26: MALSR. PAPI(P4L)—GA 3.0° TCH 52'. Tree.

RWY 12-30: H5000X100 (ASPH-GRVD) S-70, D-94, 2S-119,
2D-150 MIRL 1.4% up SE

RWY 12: REIL. PAPI(P4L)—GA 3.0° TCH 40'. Rgt tfc.

RWY 30: VASI(V4R)—GA 3.0° TCH 47'. Antenna.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 08: TORA-6512 TODA-6512 ASDA-6512 LDA-6512

RWY 12: TORA-5000 TODA-5000 ASDA-5000 LDA-5000

RWY 26: TORA-6512 TODA-6512 ASDA-6512 LDA-6512

RWY 30: TORA-5000 TODA-5000 ASDA-5000 LDA-5000

SERVICE: S4 **FUEL** 100, 100LL, JET A **LGT** When twr clsd **ACTIVATE**
MALSR Rwy 26 and REIL Rwy 08—CTAF.

AIRPORT REMARKS: Attended 1330-0500Z. CLOSED to unscheduled air carrier ops with more than 30 pax seats 1500-0100Z† exc PPR call arpt mgr 208-746-4471 other times call station number 4, 208-743-0172. Frequent no radio AG acft activity invof arpt. TPA—Heavy and turbine powered acft 3002(1560) all others 2502(1060). Cold temperature restricted airport. Altitude correction required at or below -16C/3F.

AIRPORT MANAGER: 208-746-7962

WEATHER DATA SOURCES: ASOS 135.575 (208) 746-4185. LAWR5.

COMMUNICATIONS: CTAF 119.4 **UNICOM** 122.95

RCO 122.35 (BOISE RADIO)

SEATTLE CENTER APP/DEP CON 123.95

TOWER 119.4 (1400-0600Z†) **GND CON** 121.9

AIRSPACE: CLASS D svc 1400-0600Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE LWS.

NEZ PERCE (L) VORW/DME 108.2 MQG Chan 19 N46°22.89' W116°52.17' 246° 6.1 NM to fld. 1723/20E.
DME unmonitored.

VOR portion unusable:

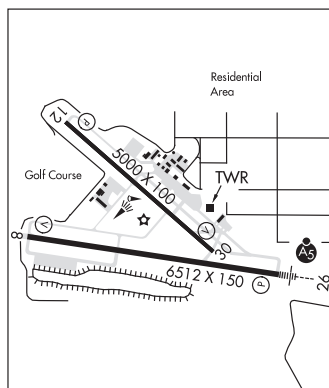
075°-115° byd 20 NM blo 12,000'

115°-155° byd 25 NM blo 6,900'

280°-290° byd 20 NM blo 4,200'

290°-335° byd 25 NM blo 4,000'

ILS 109.7 I-LWS Rwy 26. Class IE. Unmonitored when ATCT clsd. Autopilot coupled approaches not authorized blo 2,500'.



SNAKE RIVER SPB (78U) 1 SW UTC-8(-7DT) N46°23.99' W117°03.06'

735 NOTAM FILE BOI

WATERWAY N-S: 3000X150 (WATER)

WATERWAY S: P-line.

SEAPLANE REMARKS: Attended Apr-Oct 1500Z†-dusk and Nov-Mar irregularly. P-lines cross Snake River north, south above and below ldg area. Bridge across Snake River N of ldg area. Ldg area within Lewiston-Nez Perce County arpt tfc area, ctc Lewiston twr. Waterway N-S waterlane length and width varies. Heavy boat tfc in vicinity of spb. No beaching gear or mooring buoys avbl. Acft may dock at marina if space is aval.

AIRPORT MANAGER: 208-799-5015

COMMUNICATIONS: CTAF 122.9

LIBERATOR N42°58.96' W115°46.46' NOTAM FILE BOI.
(L) VORW 114.9 LIA 354° 9.1 NM to Mountain Home Muni. 2990/18E.

SALT LAKE CITY
L-11B

LOWER LOON CREEK (See CHALLIS on page 39)

LOWMAN**WARM SPRINGS CREEK** (ØU1) 13 NE UTC-7(-6DT) N44°08.53' W115°18.84'**SALT LAKE CITY**

4831 NOTAM FILE BOI

RWY 02-20: 2850X135 (TURF)**RWY 02:** Tree.**RWY 20:** Trees.**AIRPORT REMARKS:** Unattended. No telephone avbl at arpt. Recommend land Rwy 02, tkf Rwy 20, when wind conditions allow.

No line of sight between rwy ends. No winter maintenance. Rwy 02-20 edges and thlds marked with white rocks.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9**MACKAY****COPPER BASIN** (ØU2) 12 SW UTC-7(-6DT) N43°48.12' W113°49.89'**SALT LAKE CITY**

7920 NOTAM FILE BOI

RWY 13-31: 4700X100 (TURF) 1.7% up SE**RWY 13:** Road.**AIRPORT REMARKS:** Unattended. CLOSED to wheeled acft winters. No winter maintenance. Livestock on and in vicinity of arpt.

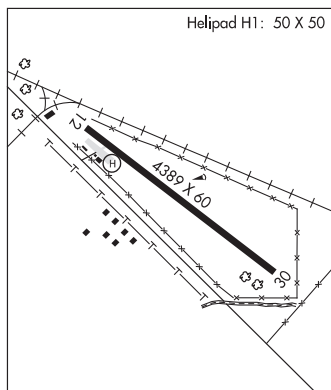
Twy to midfield tiedowns 15' wide, -1' ditch adjacent to edges of twy. Rwy 13-31 edges and thresholds marked with white rocks. Arpt located in high mountain valley surrounded by high mountains.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9**MACKAY** (U62) 1 SE UTC-7(-6DT) N43°54.60' W113°36.14'**SALT LAKE CITY**

5892 NOTAM FILE BOI

L-11C**RWY 12-30:** H4389X60 (ASPH) 0.7% up NW**RWY 12:** P-line.**RWY 30:** Brush.**AIRPORT REMARKS:** Unattended. Recommend land Rwy 30, depart Rwy 12 when winds permit. Rwy 12-30 very rough chip seal.**AIRPORT MANAGER:** 208-588-2274**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE BOI.**DUBOIS (H) VORTACW** 116.9 DBS Chan 116 N44°05.33'

W112°12.56' 245° 61.3 NM to fld. 4920/15E.

HELIPAD H1: H50X50 (ASPH)**HELIPAD REMARKS:** Square helipad located between rwy and parking area.**MAGEE** (See COEUR D'ALENE on page 40)**MAGIC RESERVOIR** (See HAILEY on page 48)**MAHONEY CREEK USFS** (ØU3) 2 SE UTC-7(-6DT) N44°44.68' W114°55.28'**GREAT FALLS**

4618 NOTAM FILE BOI

RWY 04-22: 2150X15 (DIRT)**RWY 04:** Hill.**RWY 22:** Hill.**AIRPORT REMARKS:** Unattended. Recommend Idg Rwy 22, tkf Rwy 04 when wind conditions allow. No winter maintenance.

-1' ditch located 20' from centerline both sides of rwy. Rwy 04 NE end first 500' extremely rough. Rwy 04-22 thlds and edges have white wood boundary markers, edge markers set at 65' width. First 500' of Rwy 22 has -1.5' to -2' deep holes.

AIRPORT MANAGER: 208-879-4106**COMMUNICATIONS:** CTAF 122.9

MALAD CITY (MLD)(KMLD) 3 SW UTC-7(-6DT) N42°10.23' W112°17.36'

SALT LAKE CITY
L-11C

4503 B NOTAM FILE MLD

RWY 16-34: H4950X60 (ASPH) MIRL

RWY 16: Thld dsplcd 150'. Sprinkler.

RWY 34: Thld dsplcd 210'. P-line.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 16-34—CTAF.

AIRPORT REMARKS: Unattended. For fuel call

208-220-2519/208-598-4430. Asphalt has block cracks to 2" in width. Rwy 16-34 no dsplcd thld arrows, marked by dsplcd thld lgts and thld painted bar.

AIRPORT MANAGER: 208-220-4746

COMMUNICATIONS: CTAF 122.9

RCO 122.65 (BOISE RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE MLD.

(H) **VORW/DME 117.4** MLD Chan 121 N42°11.99'

W112°27.07' 087° 7.4 NM to fld. 7330/17E.

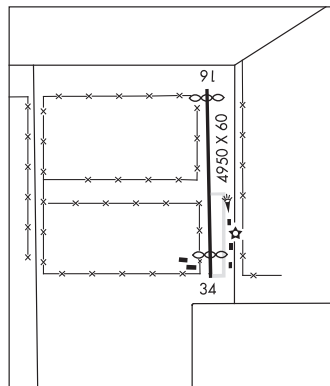
VOR portion unusable:

157°-167° byd 25 NM blo 11,000'

DME portion unusable:

005°-025° byd 30 NM blo 14,000'

157°-167° byd 25 NM blo 11,000'



MALAD CITY N42°11.99' W112°27.07' NOTAM FILE MLD.

SALT LAKE CITY
H-3D, L-11C

(H) **VORW/DME 117.4** MLD Chan 121 087° 7.4 NM to Malad City. 7330/17E.

VOR portion unusable:

157°-167° byd 25 NM blo 11,000'

DME portion unusable:

005°-025° byd 30 NM blo 14,000'

157°-167° byd 25 NM blo 11,000'

RCO 122.65 (BOISE RADIO)

MAY (ØU8) 1 NE UTC-7(-6DT) N44°36.62' W113°53.69'

GREAT FALLS

5324 NOTAM FILE BOI

RWY 09-27: 4950X200 (TURF) 4.0% up E

RWY 09: Pole.

RWY 27: Fence.

AIRPORT REMARKS: Unattended. Recommend ldg Rwy 09, tkf Rwy 27, when wind conditions permit. No winter maintenance.

Rwy 09 +40' pole 600' apch end rwy 50' R. Fence marker located on apch end of Rwy 27. Rwy end 27 +4' fence on cntrln. Arpt located in high mountain valley surrounded by high terrain. Rwy 09-27 edges and thlds marked with white rocks.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9

MC CALL

KRASSEL USFS (24K) 17 NE UTC-7(-6DT) N44°58.45' W115°43.79'

GREAT FALLS

3982 NOTAM FILE BOI

RWY 17-35: 1500X150 (TURF)

RWY 17: Tree.

RWY 35: Trees.

AIRPORT REMARKS: Unattended. Extensive helicopter ops during Summer months. Marked pvt use helipad on arpt. Rwy 17-35 land Rwy 17, tkf Rwy 35 when wind conditions permit. Considerable rodent activity on rwy. +80' to +120' trees adjacent to both sides of rwy. Rwy 17-35 may not be mowed to full width. Rwy 17-35 rwy surface rough due to rodent holes.

AIRPORT MANAGER: 208-634-0600

COMMUNICATIONS: CTAF 122.9

MC CALL MUNI (MYL)(KMYL) 0 S UTC-7(-6DT) N44°53.32' W116°06.11'

5024 B NOTAM FILE MYL

RWY 16-34: H6108X75 (ASPH) S-86.5, D-141, 2D-261.5 MIRL

0.3% up N

RWY 16: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Road.

RWY 34: REIL. VASI(V2L)—GA 3.5° TCH 40'. Ground.

SERVICE: S4 FUEL 100LL, JET A, A1+ LGT ACTIVATE MIRL Rwy

16-34, REIL Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Attended daltg hrs. 2 hr prior notice rqr for snow removal at ngt call (208) 634-1488/630-3747. Cold temperature restricted airport. Altitude correction required at or below -20C/-4F. Parachute Jumping. USFS practices parachute jumps invof arpt. Big game animals may be on or invof rwy. Recommend ldg Rwy 34, txf Rwy 16, when wind conditions permit. Rwy 16 has a marked 50' blast pad. Lgtd helipad on arpt. No helicopter parking in fixed-wing tie-down areas. Increased Forest Service flt ops during summer months. Parallel twy clsd Dec 1-Apr 30. APU's may not be started until 30 min prior to engine start.

AIRPORT MANAGER: 208-634-1488

WEATHER DATA SOURCES: ASOS 119.925 (208) 634-7198.

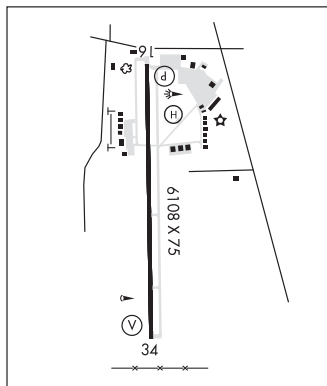
COMMUNICATIONS: CTAF/UNICOM 122.8

CASCADE RCO 122.35 (BOISE RADIO)

SALT LAKE CENTER APP/DEP CON 128.05

RADIO AIDS TO NAVIGATION: NOTAM FILE MYL.

DONNELLY (H) VORW/DME 116.2 DNJ Chan 109 N44°46.03' W116°12.38' 012° 8.6 NM to fld. 7333/19E.



GREAT FALLS

H-1C, L-13B

IAP

MCCARLEY FLD (See BLACKFOOT on page 33)

MERIDIAN N43°36.20' W116°32.34' NOTAM FILE BOI.

NDB (MHW) 238 MPA 136° 1.5 NM to Nampa Muni.

SALT LAKE CITY

L-11B

MIDVALE

LEE WILLIAMS MEM (ØU9) 1 SW UTC-7(-6DT) N44°27.68' W116°45.48'

2617 NOTAM FILE BOI

RWY 08-26: H2875X60 (ASPH) 0.8% up W

RWY 08: Fence.

RWY 26: Fence.

AIRPORT REMARKS: Unattended. No winter maintenance, arpt clsd when snow conditions indicate. Rwy 08-26 250' gvl ovrn each end.

AIRPORT MANAGER: 208-355-2391

COMMUNICATIONS: CTAF 122.9

CASCADE RCO 122.35 (BOISE RADIO)

SALT LAKE CITY

MIDWAY (See ATOMIC CITY on page 32)

MINIDOKA

BEAR TRAP (1UØ) 15 NE UTC-7(-6DT) N42°58.52' W113°21.05'

4716 NOTAM FILE BOI

RWY 06-24: 2250X120 (TURF-DIRT)

RWY 06: Road.

AIRPORT REMARKS: Unattended. Rwy 06-24 subject to ongoing damage by livestock, ground vehicles and rodents. No winter maintenance. No line of sight between rwy ends. Rwy 06-24 edges and thlds marked with white rock.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9

SALT LAKE CITY

MOORE**ANTELOPE VALLEY** (U92) 12 SW UTC-7(-6DT) N43°40.63' W113°36.16'**SALT LAKE CITY**

6193 NOTAM FILE BOI

RWY 07-25: 3450X130 (TURF) 1.5% up W**RWY 07:** Road.**RWY 25:** P-line.

AIRPORT REMARKS: Unattended. CLOSED to wheeled acft winters. No winter maintenance. Recommend Idg Rwy 07, tkf Rwy 25 when wind conditions allow. Arpt located in mountain valley surrounded by high terrain. Rwy 07-25 edges and thld marked with white rock. Farm machinery and trucks frequently parked on the apch to Rwy 25. +5' sagebrush adjacent to both rwy edges and Rwy 07 thld.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9

MOOSE CREEK (USFS) (See MOOSE CREEK RANGER STATION on page 57)

MOOSE CREEK RANGER STATION**MOOSE CREEK (USFS)** (1U1) 0 SW UTC-7(-6DT) N46°07.25' W114°55.64'**GREAT FALLS**

2454 NOTAM FILE BOI

RWY 01-19: 4100X250 (TURF)**RWY 01:** Trees.**RWY 19:** Trees.**RWY 04-22:** 2300X200 (TURF)**RWY 04:** Trees.**RWY 22:** Trees.

AIRPORT REMARKS: Unattended. Call 208-983-9677 for rwy conditions. No winter maintenance. Big game animals on and in vicinity of arpt. Rwy 01-19 recommend Idg Rwy 19 tkf Rwy 01 when wind conditions permit. Land Rwy 04, tkf Rwy 22, go around not recommended. Rwy 01-19 muddy spring and winter. Use Rwy 04-22 early spring and late fall/winter when possible due to better drainage and firmer sfc. Rwsys subject to temporary closures. Skis winter months.

AIRPORT MANAGER: 208-983-9571**COMMUNICATIONS:** CTAF 122.9

MOUNTAIN HOME AFB (MUO)(KMUO) AF 10 SW UTC-7(-6DT) N43°02.62' W115°52.35' **SALT LAKE CITY**
 2998 B TPA—See Remarks NOTAM FILE MUO Not insp. **H-3C, L-11B**
RWY 12-30: H13510X200 (PEM) PCN 66 R/C/W/T HIRL **DIAP, AD**
RWY 12: ALSF1. PAPI(P4L)—GA 2.5° TCH 41' .
RWY 30: ALSF1. PAPI(P4L)—GA 2.5° TCH 40' .

ARRESTING GEAR/SYSTEM
RWY 12 HOOK BAK-12B(B) (1500') **HOOK BAK-12B(B) (1502') RWY 30**

SERVICE: **FUEL** JET B+ **OX** 1, 2 **LGT** Rwy 12-30 PAPI unuse byd 5° fr rwy centerline. Rwy 12-30 ILS and PAPI RRP not coincidental. Thld lgt gated for ftr acft. **MILITARY—A-GEAR** Rwy 12-30 BAK-12B in raised posn, rqr 30 min PN for removal. **JASU 2**(AM32A-60) **FUEL** A++ **FLUID** De-ice. **OIL** O-148-156 **JOAP** **TRAN ALERT** Opr 1400-0700Z† Mon-Thu; 1400-0100Z† Fri; clsd wkend and hol.

MILITARY REMARKS: Opr 1400-0700Z† Mon-Thu, 1400-0100Z† Fri, clsd Sat-Sun, clsd hol. See FLIP AP/1 Supplementary Arpt Remark. **RSTD** PPR only exc VIP Code 6 or abv, AIREVAC and SAAM. Req VIP code abv, AIREVAC and SAAM obtain PPR number for tracking and support planning purposes. Min 24 hrs ntc rqr and no more than 7 days prior. Acft requiring CSTMS must coord for PPR no later than 72 hrs prior. All acft must adhere to PPR estimated time of arr +/- 30 mins or PPR is invalid. Ctc Base OPS DSN 728-2222, C208-828-2222, fax extrn 4128. **CAUTION** Taxi lines in end of rwy are made for acft with wingspans of 43' or less only. Waterfowl haz. Rwy edge lgts 27'-32' from edge of usable rwy sfc. Rwy 30 hold sign at intersection of Rwy 30 and Twy E incorrectly sited. Location may create confusion of actual VFR hold position. Acft shelters lctd aprx 1100' east of rwy cntrln. **TFC PAT** TPA—Overhead/Ftr rectangular 4802(1804), lgt acft/helicopter 3802(804). All departures maintain at or blo 4302(1304) until departure end. Cargo rectangular 4302(1304). **NS ABTMT** Command quiet hr policy in effect 0530-1300Z†. **MISC** For emerg ATC svc rqr opening of Mountain Home AFB afld outside of published hrs ctc Mountain Home Comd Post DSN 728-5800 or C208-828-5800. Exp 30 min delay for coord. Afld subject to short ntc closures. First 1280' Rwy 12-30 conc, mid 10940' asphaltic conc. Acft carry drag chutes to park or advise twr. Std USAF RSRS applied. ACC acft exp reduced rwy separation, ACC acft not wishing to participate in RSRS will make intentions known on initial ctc with twr. Afld wx is monitored by AN/FMQ-19 automated observing system and augmented by human observer dur opr hr. Human obsn sfc visibility ltd from 310°-090°. DSN 728-6303, C208-828-6303, FAX extension 4438.

AIRPORT MANAGER: 208-828-2222
COMMUNICATIONS: ATIS 273.5 **PTD** 139.3 341.8
RCO 122.6 (BOISE RADIO)

® **APP CON** 124.8 259.1 (1400-0700Z† Mon-Thu, 1400-0100Z† Fri, 1500-2300Z† Sat-Sun, clsd hol)
TOWER 133.85 253.5 (1400-0700Z† Mon-Thu, 1400-0100Z† Fri, 1500-2300Z† Sat-Sun, clsd hol)
GND CON 120.5 275.8 **CLNC DEL** 127.1 290.425

® **DEP CON** 371.85 (1400-0700Z† Mon-Thu, 1400-0100Z† Fri, 1500-2300Z† Sat-Sun, clsd hol)
ACC COMD POST 321.0 311.0 15091 (Have QUICK timing avbl 381.3) (RAYMOND 27) **PMSV METRO** 324.1(Full svc avbl from wx dur opr hr. Remote briefings svc avbl from 25 OWS, Davis Monthan AFB, DSN 228-6598, C520-228-6598)

AIRSPACE: **CLASS D** svc 1400-0700Z† Mon-Thu, 1400-0100Z† f, 1500-2300Z† Sat-Sun, closed holidays other times **CLASS E**.

RADIO AIDS TO NAVIGATION: NOTAM FILE MUO.
(L) TACAN Chan 87 MUO (114.0) N43°02.43' W115°52.48' at fld. 2999/13E. unmonitored when arpt clsd. No NOTAM MP: 0701-1300Z† Wed
VORW OTS ufn
LIBERATOR (L) VORW 114.9 LIA N42°58.96' W115°46.46' 292° 5.7 NM to fld. 2990/18E. NOTAM FILE BOI.
ILS 110.3 I-MUO Rwy 12. Unmonitored when arpt clsd. No NOTAM MP 0701-1300Z† Mon/Tue/Thu.
ILS 111.7 I-BRN Rwy 30. Unmonitored when arpt clsd. No NOTAM MP 0701-1300Z† Mon/Tue/Thu.

COMM/NAV/WEATHER REMARKS: Radar DASR maint Mon-Fri 0701-1300Z†. TACAN and radar will not be released at same time if Cascade LR Radar feed unavbl.

MOUNTAIN HOME MUNI (U76) 2 W UTC-7(-6DT) N43°07.90' W115°43.83'

SALT LAKE CITY

3167 B NOTAM FILE BOI

H-3D, L-11B

RWY 10-28: H5000X75 (ASPH) S-42, D-53 MIRL

IAF

RWY 10: REIL. PAPI(P2L)—GA 3.0° TCH 49'.

RWY 28: REIL. PAPI(P2L)—GA 3.0° TCH 32'. P-line.

SERVICE: S4 FUEL 100LL, JET A LGT CTIVATE MIRL Rwy 10-28, PAPI Rwy 10 and Rwy 28 and REIL Rwy 10 and Rwy 28—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z. Arpt attended after hrs emerg only. 100LL avbl 24 hrs with credit card. Jet A avbl Mon-Fri 1500-0100Z, after hrs by appointment. To make appointment call 208-587-3585. High performance mil jet ops conducted at Mountain Home AFB 8 NM southwest of arpt. Extensive AG ops.

AIRPORT MANAGER: 208-587-3585

COMMUNICATIONS: CTAF/AUNICOM 122.8

RCO 122.6 (BOISE RADIO)

④ APP/DEP CON 124.8 (1400-0700Z Mon-Thu, 1400-0100Z Fri, 1500-2300Z Sat-Sun, clsd hol) other times ctc

SALT LAKE CENTER APP/DEP CON 118.05

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.

BOISE (H) VORTACW 113.3 BOI Chan 80 N43°33.17'

W116°11.53' 124° 32.4 NM to fld. 2876/17E.

VOR portion unusable:

001°-044° byd 22 NM blo 11,000'

001°-044° byd 32 NM blo 14,500'

045°-071° byd 32 NM blo 12,500'

072°-084° byd 32 NM blo 10,500'

TACAN AZIMUTH & DME portion unusable:

010°-060° byd 12 NM blo 13,000'

010°-060° byd 27 NM blo 15,500'

113°-155° byd 30 NM blo 7,000'

348°-010° byd 20 NM blo 13,000'

348°-010° byd 27 NM blo 15,500'

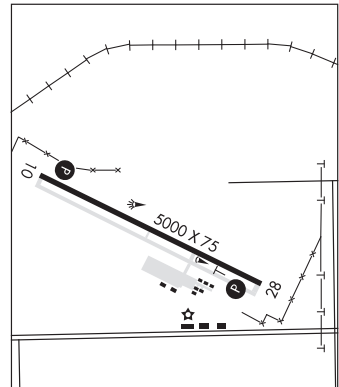
LIBERATOR (L) VORW 114.9 LIA N42°58.96' W115°46.46' 354° 9.1 NM to fld. 2990/18E.

STURGEON NDB (MHW) 333 STI N43°06.80' W115°39.51' 276° 3.4 NM to fld.

NDB unusable:

324°-024° byd 15 NM

COMM/NAV/WEATHER REMARKS: See SPECIAL NOTICE—All acft opr within 20 NM of VOR are requested to ctc Mountain Home APP CON on 124.8 for tfc advisory due to intensive mil training in area.

**MUD LAKE (WEST JEFFERSON CO)** (1U2) 1 NW UTC-7(-6DT) N43°51.06' W112°30.08'

SALT LAKE CITY

4794 B NOTAM FILE BOI

L-11C

RWY 02-20: H3300X40 (ASPH) LIRL(NSTD)

RWY 02: Thld dspcd 400'. Fence.

RWY 20: TRCV(TRIL)—GA 3.5° TCH 40'. Road.

AIRPORT REMARKS: Attended May-Oct 1500-0000Z, Nov-Apr irregular.

Confirm snow removal and winter condition with arpt mgr,

208-663-4328 or 208-529-3875. Ngt ops recommended only to

pilots familiar with arpt apches and surrounding terrain. Rwy 02-20

NSTD LIRL. LIRL Rwy 20 and rotating bcn inop each yr 1 Nov-1 Apr.

Rwy 20 has low ints thld lgts, first 600' rwy has low ints edge lgts, remaining 2700' of rwy illuminated with white edge reflectors. Rwy 02 dspcd thld marked with retroreflective reflectors. Rwy 20 + 40' pole at 700', 200' rgt.

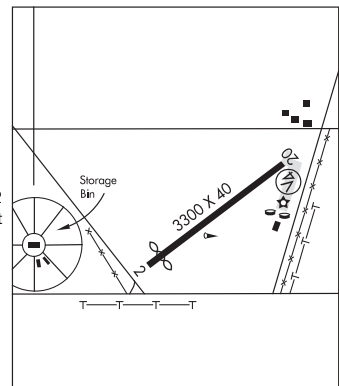
AIRPORT MANAGER: 208-663-4328

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.

DUBOIS (H) VORTACW 116.9 DBS Chan 116 N44°05.33'

W112°12.56' 207° 19.1 NM to fld. 4920/15E.

**MULLAN PASS** MLP N47°27.42' W115°38.77'/6028

GREAT FALLS

ASOS 135.475 (208) 744-1721

H-1D, L-13B

MULLAN PASS N47°27.41' W115°38.76' NOTAM FILE MLP.
 (H) VORW/DME 117.8 MLP Chan 125 050° 16.4 NM to Thompson Falls. 6100/15E. HIWAS.
 VOR portion unusable:
 060°-090° byd 20 NM blo 9,500'
 RCO 122.15 (BOISE RADIO)

GREAT FALLS
 H-1D, L-11B

MURPHY (1U3) 0 E UTC-7(-6DT) N43°12.96' W116°32.90'
 2855 NOTAM FILE BOI
 RWY 12-30: H2500X45 (ASPH)
 RWY 12: Road.
 RWY 30: Road.
 AIRPORT REMARKS: Unattended. Ctc sheriff's office in courthouse across hwy from arpt for assistance. Recommend land Rwy 12, tkf Rwy 30 when wind condition permits. Rwy 12-30 thlds marked with painted rocks.
 AIRPORT MANAGER: 208-938-1270
 COMMUNICATIONS: CTAF 122.9

SALT LAKE CITY

MURPHY HOT SPRINGS (See THREE CREEK on page 70)

NAMPA MUNI (MAN)(KMAN) 0 E UTC-7(-6DT) N43°34.88' W116°31.38'
 2537 B TPA-3537(1000) NOTAM FILE BOI
 RWY 11-29: H5000X75 (ASPH) S-26, D-50, 2D-60 MIRL
 RWY 11: PAPI(P2L)-GA 3.0° TCH 40'. Bldg.
 RWY 29: PAPI(P2L)-GA 3.62° TCH 45'. Trees.
 SERVICE: S4 FUEL 100LL, JET A, MOGAS QX3 LGT ACTIVATE MIRL
 Rwy 11-29-CTAF.
 AIRPORT REMARKS: Attended 1500-0000Z†. 91 octane fuel available.
 AIRPORT MANAGER: 208-468-5820
 WEATHER DATA SOURCES: AWOS-3 118.325 (208) 318-0040.
 COMMUNICATIONS: CTAF/UNICOM 122.7
 SQUAW BUTTE RCO 122.45 (BOISE RADIO)

SALT LAKE CITY
 H-1C, L-11B
 IAP

Ⓡ BIG SKY APP/DEP CON 119.6

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.

BOISE (H) VORTACW 113.3 BOI Chan 80 N43°33.17'
 W116°11.53' 260° 14.5 NM to fld. 2876/17E.

VOR portion unusable:

001°-044° byd 22 NM blo 11,000'

001°-044° byd 32 NM blo 14,500'

045°-071° byd 32 NM blo 12,500'

072°-084° byd 32 NM blo 10,500'

TACAN AZIMUTH & DME portion unusable:

010°-060° byd 12 NM blo 13,000'

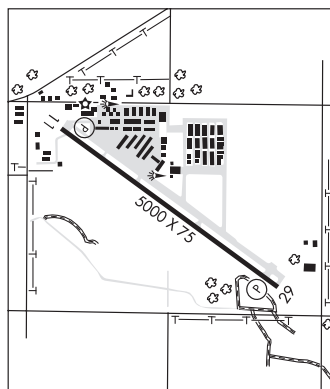
010°-060° byd 27 NM blo 15,500'

113°-155° byd 30 NM blo 7,000'

348°-010° byd 20 NM blo 13,000'

348°-010° byd 27 NM blo 15,500'

MERIDIAN NDB (MHW) 238 MPA N43°36.20' W116°32.34' 136° 1.5 NM to fld.



NEW MEADOWS (1U4) 0 N UTC-7(-6DT) N44°58.68' W116°17.04'
 3908 NOTAM FILE BOI
 RWY 14-32: 2400X150 (TURF-GRVL)
 RWY 14: Fence.
 RWY 32: Tree. Rgt tfc.

GREAT FALLS

AIRPORT REMARKS: Unattended. No telephone avbl at arpt. No winter maint. No line of sight between rwy ends. Rwy 14-32 edges and thlds marked with white rocks. +4' warning panels at thld Rwy 32. Rwy 14-32 south half 20' wide grvl strip with loose rocks up to 2", north half sparse gravel up to 2", grass may be high. Rwy and tiedown area soft when wet.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9

CASCADE RCO 122.35 (BOISE RADIO)

NEZ PERCE MUNI (ØS5) 0 NE UTC-8(-7DT) N46°14.31' W116°14.31'
 3201 NOTAM FILE BOI
 RWY 15-33: H2400X30 (ASPH)
 RWY 15: Hill. Rgt tfc.
 RWY 33: Bldg.

GREAT FALLS

AIRPORT REMARKS: Attended Apr-Oct Mon-Fri 1600-0100Z†, Nov-Mar irregularly.

AIRPORT MANAGER: 208-937-1021

COMMUNICATIONS: CTAF 122.9

NEZ PERCE N46°22.89' W116°52.17' NOTAM FILE LWS.

SEATTLE

(L) VORW/DME 108.2 MQG Chan 19 246° 6.1 NM to Lewiston-Nez Perce Co. 1723/20E. DME unmonitored.

L-13B

VOR portion unusable:

075°-115° byd 20 NM blo 12,000'

115°-155° byd 25 NM blo 6,900'

280°-290° byd 20 NM blo 4,200'

290°-335° byd 25 NM blo 4,000'

NORDMAN

PRIEST LAKE USFS (67S) 3 S UTC-8(-7DT) N48°34.44' W116°57.52'

GREAT FALLS

2611 NOTAM FILE BOI

RWY 14-32: 4400X175 (TURF-GRVL) 0.6% up NW

RWY 14: Road.

RWY 32: Road.

AIRPORT REMARKS: Unattended. USFS helipad pvt use. No winter maintenance. Rwy 14-32 may not be mowed to full width.

Rwy 32 +14' road at 300' on cntrln, 60' trees at 500' to 1000' on cntrln. Rwy 14-32 thlds marked with conc strips.

Do not park acft within 100' of wx station.

AIRPORT MANAGER: 208-762-6901

COMMUNICATIONS: CTAF 122.9

OAKLEY MUNI (1U6) 0 S UTC-7(-6DT) N42°14.03' W113°52.66'

SALT LAKE CITY

4664 NOTAM FILE BOI

RWY 17-35: 3795X40 (GRVL) 1.6% up N

RWY 17: Fence.

RWY 35: Fence.

AIRPORT REMARKS: Unattended. Rising terrain and +60' wind turbine 3/4 mile south on rwy cntrln. Rwy sfc soft during early spring. No winter maintenance.

AIRPORT MANAGER: 208-431-6090

COMMUNICATIONS: CTAF 122.9

ONTARIO N44°00.70' W116°24.36'

KLAMATH FALLS

RCO 122.3 (MC MINNVILLE RADIO)

L-11B

OROFINO MUNI (S68) 1 NW UTC-8(-7DT) N46°29.48' W116°16.61'

GREAT FALLS

1005 NOTAM FILE BOI

RWY 09-27: H2500X60 (ASPH) S-17 MIRL

RWY 09: Tree. Rgt tfc.

RWY 27: Tree.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 09-27-CTAF.

AIRPORT REMARKS: Unattended. Two 1968' MSL (250' AGL) radio twrs lctd aprx 1 mile East Rwy 27 300' left. High terrain in all quads around arpt. Be alert dur ngt ops due to terrain.

AIRPORT MANAGER: 208-476-4725

COMMUNICATIONS: CTAF/UNICOM 122.8

OROGRANDE (75C) 1 NE UTC-8(-7DT) N45°43.77' W115°31.67'

GREAT FALLS

4419 NOTAM FILE BOI

RWY 01-19: 2800X50 (TURF-DIRT) 1.4% up S

RWY 01: Trees.

RWY 19: Trees.

AIRPORT REMARKS: Unattended. Land Rwy 19, depart Rwy 01 when wind cond permit. Trees on apch both rwy ends. Big game animals on and invof arpt. Vehicles have access to rwy. Recommended use early morning and late evening in summer.

AIRPORT MANAGER: 208-983-9571

COMMUNICATIONS: CTAF 122.9

PARIS

BEAR LAKE CO (1U7) 3 E UTC-7(-6DT) N42°14.99' W111°20.50'

SALT LAKE CITY
H-3D, L-11D

5933 B NOTAM FILE BOI

RWY 10-28: H5728X75 (ASPH) S-12.5 MIRL(NSTD)

RWY 10: P-line.

RWY 28: Road.

RWY 16-34: H4590X60 (ASPH) S-50, D-64, 2D-102

RWY 16: Road.

SERVICE: FUEL 100LL LGT ACTIVATE NSTD MIRL Rwy 10-28 3 clicks—CTAF.

AIRPORT REMARKS: Attended continuously. Fuel 24 hrs credit card self svc avbl. Birds on and invof arpt. No snow removal Rwy 16-34. Reflectors on all twys and aprons. Partial twy 25' wide. Rwy 10-28 NSTD MIRL mounted aprx 40° abv gnd, 10' from edge of pavement.

AIRPORT MANAGER: 208-847-1374

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MLD.

MALAD CITY (H) VORW/DME 117.4 MLD Chan 121 N42°11.99' W112°27.07' 069° 49.6 NM to fld. 7330/17E.

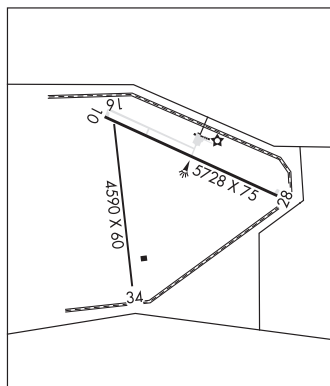
VOR portion unusable:

157°-167° byd 25 NM blo 11,000'

DME portion unusable:

005°-025° byd 30 NM blo 14,000'

157°-167° byd 25 NM blo 11,000'



PARMA (50S) 1 S UTC-7(-6DT) N43°46.73' W116°56.31'

SALT LAKE CITY

2228 NOTAM FILE BOI

RWY 12-30: H2700X50 (ASPH)

RWY 12: Tree. Rgt tfc.

RWY 30: Fence.

AIRPORT REMARKS: Unattended. Recommend land Rwy 30, txf Rwy 12 when wind condition permit.

AIRPORT MANAGER: 208-722-5138

COMMUNICATIONS: CTAF 122.9

PAYETTE MUNI (S75) 2 NE UTC-7(-6DT) N44°05.67' W116°54.22'

SALT LAKE CITY
L-11B

2228 B NOTAM FILE BOI

RWY 13-31: H3000X50 (ASPH) S-8 LIRL

RWY 13: Thld displcd 250'. Tree.

SERVICE: S2 FUEL 100LL, MOGAS LGT ACTIVATE LIRL Rwy 13-31—CTAF.

AIRPORT REMARKS: Unattended. Fuel 24 hrs credit card svc avbl. Golfers adj to rwy edges and Rwy 13 thld. Arpt CLOSED to acct over 10,000 lbs GWT. Rwy 31 thld marked with white conc boundary markers. Rwy cntrln NSTD. Rwy 13 displcd thld not lgtd. 2885' MSL (405' AGL) marked and lgtd steel twr lctd 2.2 miles south of arpt.

AIRPORT MANAGER: 208-642-6024

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.

BOISE (H) VORTACW 113.3 BOI Chan 80 N43°33.17' W116°11.53' 300° 44.8 NM to fld. 2876/17E.

VOR portion unusable:

001°-044° byd 22 NM blo 11,000'

001°-044° byd 32 NM blo 14,500'

045°-071° byd 32 NM blo 12,500'

072°-084° byd 32 NM blo 10,500'

TACAN AZIMUTH & DME portion unusable:

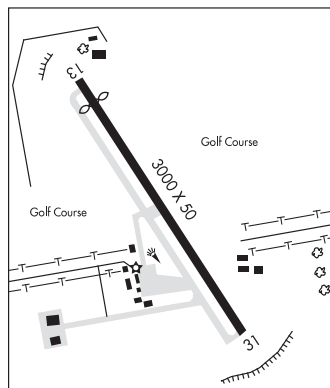
010°-060° byd 12 NM blo 13,000'

010°-060° byd 27 NM blo 15,500'

113°-155° byd 30 NM blo 7,000'

348°-010° byd 20 NM blo 13,000'

348°-010° byd 27 NM blo 15,500'



PINE (1U9) 1 S UTC-7(-6DT) N43°27.98' W115°18.60'

SALT LAKE CITY

4232 NOTAM FILE BOI

RWY 16-34: 2300X125 (TURF)

RWY 16: Road.

RWY 34: Tree. Rgt tfc.

AIRPORT REMARKS: Unattended. No winter maintenance. No line of sight btn rwy ends. Recommend land Rwy 34 and tkf Rwy 16 when wind conditions permit. Rwy 16-34 edges and thlds marked with white rocks. Rwy has sideslope, downhill from west to east.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9

POCATELLO RGNL (PIH)(KPIH) 7 NW UTC-7(-6DT) N42°54.59' W112°35.76'

SALT LAKE CITY

4452 B Class I, ARFF Index A NOTAM FILE PIH

H-3D, L-11C

RWY 03-21: H9060X150 (ASPH-PFC) S-100, D-160, 2S-175,

IAP, AD

2D-265 HIRL

RWY 03: REIL. PAPI(P4L)—GA 3.0° TCH 53'.

RWY 21: MALSR. PAPI(P4L)—GA 3.0° TCH 52'.

RWY 17-35: H7150X100 (ASPH-GRVD) S-74, D-110, 2D-199 MIRL

RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 45'.

RWY 35: PAPI(P4L)—GA 3.0° TCH 45'. Pole.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03: TORA-9060 TODA-9060 ASDA-9060 LDA-9060

RWY 17: TORA-7150 TODA-7150 ASDA-7150 LDA-7150

RWY 21: TORA-9060 TODA-9060 ASDA-9060 LDA-9060

RWY 35: TORA-7150 TODA-7150 ASDA-7150 LDA-7150

SERVICE: S4 FUEL 100LL, JET A1, A1+ OX 3, 4 LGT After twr clsd

ACTIVATE MIRL Rwy 17-35, HIRL Rwy 03-21, REIL Rwy 03 and

Rwy 17 and MALSR Rwy 21—CTAF.

AIRPORT REMARKS: Attended 1300-0300Z±. For service other times call 1-800-350-0737. Afd cond unmonitored 1300-0300Z± daily exc 24 hrs PPR 208-234-6154 or 208-241-7949. Additional fees apply. Flocks of waterfowl invof arpt. Twy G has no edge lgts or reflectors, rstd to day use only. Radio ctl acft 1 mile east of arpt blo 400' AGL. PPR for unscheduled air carrier ops 208-234-6154 or 208-241-7949.

AIRPORT MANAGER: 208-234-6154

WEATHER DATA SOURCES: ASOS 135.625 (208) 235-1287.

COMMUNICATIONS: CTAF 119.1 ATIS 135.625 208-232-2269 UNICOM 122.95

RCO 122.35 (BOISE RADIO)

® **SALT LAKE CENTER APP/DEP CON** 128.35

TOWER 119.1 (1300-0500Z±) **GND CON** 121.9

AIRSPACE: CLASS D svc 1300-0500Z± other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE PIH.

(H) **VORW/DME** 112.6 PIH Chan 73 N42°52.22' W112°39.13' 029° 3.4 NM to fld. 4433/17E.

VOR portion unusable:

060°-130° byd 25 NM blo 13,500'

DME portion unusable:

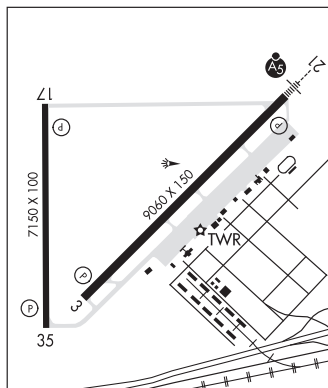
060°-130° byd 25 NM blo 17,000'

160°-175° byd 25 NM blo 13,000'

TYHEE NDB (LOM) 383 PI N42°57.82' W112°30.98' 213° 4.8 NM to fld. LOM unmonitored when ATCT clsd.

ILS/DME 110.3 I-PIH Chan 40 Rwy 21. Class IE. LOM TYHEE NDB. LOC unmonitored when ATCT clsd. LOM unmonitored when ATCT clsd.

COMM/NAV/WEATHER REMARKS: Reg 121.5 not avbl at twr. FBO monitors 122.95 and 123.0.



PORTHILL

ECKHART INTL (1S1) 0 W UTC-8(-7DT) N48°59.43' W116°30.12'

GREAT FALLS

1758 LRA NOTAM FILE BOI

RWY 15-33: 3650X175 (TURF)

RWY 15: Trees.

RWY 33: Road.

AIRPORT REMARKS: Unattended. Rwy 15 do not use asph twy for tkf. Recommend land Rwy 33; tkf Rwy 15 when wind condition permits. No winter maintenance. Rwy 15-33 edges and thld marked with white rocks. +25' hop poles located adjacent to both sides of rwy. Acft parking limited to 2 hrs in customs terminal area.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF/UNICOM 122.8

POST FALLS N47°44.57' W116°57.66' NOTAM FILE COE.

GREAT FALLS

NDB (MHW) 347 LEN 057° 6.0 NM to Coeur D'Alene - Pappy Boyington Fld.

L-13B

PRAIRIE**SMITH PRAIRIE** (2U0) 2 SE UTC-7(-6DT) N43°29.90' W115°32.82'**SALT LAKE CITY**

4958 NOTAM FILE BOI

RWY 06-24: 5400X150 (TURF) 1.6% up NE**RWY 06:** Fence.**RWY 24:** Sign.**AIRPORT REMARKS:** Unattended. No winter maintenance. Recommend land Rwy 06, tkr Rwy 24, when wind conditions permit.

Rwy 06-24 edges and thlds marked with white rocks. No telephone avbl at arpt.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9**PRESTON** (U10) 2 NW UTC-7(-6DT) N42°06.41' W111°54.75'**SALT LAKE CITY**

4728 B NOTAM FILE BOI

L-110**RWY 03-21:** H3457X50 (ASPH) S-12 LIRL(NSTD)**RWY 21:** Thld dspcd 330'. Road.**RWY 16-34:** 2437X30 (GRVL)**RWY 16:** Road.**SERVICE:** S2 FUEL 100LL LGT ACTIVATE LIRL Rwy 03-21—CTAF.**AIRPORT REMARKS:** Attended dalgt hrs. Rwy 16-34 CLOSED winter. Lctd on plateau. Sharp dropoff near thld Rwy 03, 16, and 34. Rwy 03-21 NSTD LIRL. Rwy 03-21 lgts lctd 50' from edge of pavement. Rwy 21 dspcd thld marked with dspcd thld bar only.**AIRPORT MANAGER:** 208-852-2151**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE MLD.**MALAD CITY (H) VORW/DME** 117.4 MLD Chan 121 N42°11.99'

W112°27.07' 086° 24.7 NM to fld. 7330/17E.

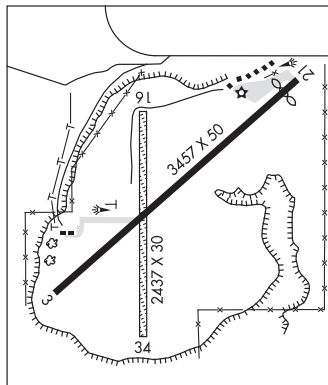
VOR portion unusable:

157°-167° byd 25 NM blo 11,000'

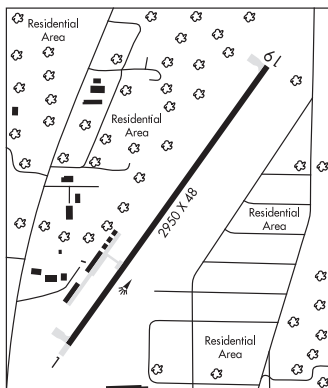
DME portion unusable:

005°-025° byd 30 NM blo 14,000'

157°-167° byd 25 NM blo 11,000'

**PRIEST LAKE USFS** (See NORDMAN on page 61)**PRIEST RIVER MUNI** (1S6) 1 N UTC-8(-7DT) N48°11.44' W116°54.59'**GREAT FALLS**

2187 NOTAM FILE BOI

RWY 01-19: H2950X48 (ASPH) S-12.5 LIRL**RWY 01:** Tree.**RWY 19:** Trees.**SERVICE:** LGT ACTIVATE LIRL Rwy 01-19—CTAF.**AIRPORT REMARKS:** Unattended. Ngt ops recommend land Rwy 01 and dep Rwy 19. Tiedown chains removed dur winter. Irregular winter maintenance.**AIRPORT MANAGER:** (208) 448-0470**COMMUNICATIONS:** CTAF 122.9

PULLMAN/MOSCOW, ID**PULLMAN/MOSCOW RGNL** (PUW)(KPUW) 3 NE UTC-8(-7DT) N46°44.63' W117°06.58'**SEATTLE**

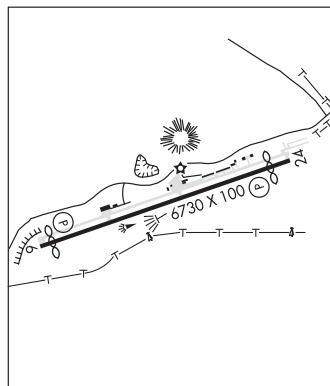
2555 B Class I, ARFF Index B NOTAM FILE PUW

H-1C, L-13B**RWY 06-24:** H6730X100 (ASPH-GRVD) S-57, D-75, 2S-95, 2D-135**IAP**

HIRL

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 68'. Thld displcd 291'. Fence.**RWY 24:** REIL. PAPI(P4L)—GA 4.0° TCH 57'. Thld displcd 801'.

Ground.

RUNWAY DECLARED DISTANCE INFORMATION**RWY 06:** TORA-6730 TODA-6730 ASDA-6490 LDA-6200**RWY 24:** TORA-6730 TODA-6730 ASDA-6040 LDA-5240**SERVICE:** S4 **FUEL** 100LL, JET A **LGT** ACTIVATE HIRL **Rwy 06-24**, and **REIL Rwy 06** and **Rwy 24**—CTAF.**AIRPORT REMARKS:** Attended 1600-0200Z. CLOSED to unscheduled air carrier ops with more than 30 pax seats exc PPR call arpt mgr 509-338-3223. Parachute Jumping. Non-paved areas soft. Acft must delay taxiing and remain behind the intermediate holding position line when large acft ops are in progress. No parking between rwy and twy and within 30' of twy to the northwest. Ldg fee for all coml acft and all itinerant acft over 7,000 lbs.**AIRPORT MANAGER:** 509-338-3223**WEATHER DATA SOURCES:** ASOS 135.675 (509) 334-3222. **HIWAS** 109.0 PUW.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RCO** 122.6 (SEATTLE RADIO)**SEATTLE CENTER APP/DEP CON** 123.95**AIRSPACE:** CLASS E svc 1400-0600Z Mon-Fri, 1700-0000Z Sat, 1900-0600Z Sun, other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE PUW.(L) **VORW/DME** 109.0 PUW Chan 27 N46°40.45' W117°13.41' Q28° 6.3 NM to fld. 2772/20E. **HIWAS.** DME unmonitored.**REED RANCH** (See YELLOW PINE on page 73)**REXBURG-MADISON CO** (RXE)(KRXE) 1 NW UTC-7(-6DT) N43°50.04' W111°48.31'**SALT LAKE CITY**

4862 B NOTAM FILE RXE

L-11D**RWY 17-35:** H4204X75 (ASPH) S-30 MIRL**IAP****RWY 17:** VASI(V4R)—GA 3.0° TCH 50'. Thld displcd 302'. Trees.**RWY 35:** REIL. VASI(V4L)—GA 3.0° TCH 40'. Tree.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 17:** TORA-4200 TODA-4200 ASDA-4200 LDA-3900**RWY 35:** TORA-4200 TODA-4200 ASDA-3900 LDA-3900**SERVICE:** S4 **FUEL** 100LL, JET A **OX 3** **LGT** ACTIVATE VASI **Rwy 35** and **REIL Rwy 35**—CTAF. VASI **Rwy 17** opr continuously.**AIRPORT REMARKS:** Attended Mon-Sat 1500-0100Z.**AIRPORT MANAGER:** 208-356-6600**WEATHER DATA SOURCES:** ASOS 135.075 (208) 356-0986.**COMMUNICATIONS:** CTAF/UNICOM 122.8② **SALT LAKE CENTER APP/DEP CON** 128.35**RADIO AIDS TO NAVIGATION:** NOTAM FILE IDA.**IDAHO FALLS (H) VORW/DME** 113.85 IDA Chan 85(Y) N43°31.14'

W112°03.84' 016° 22.0 NM to fld. 4724/15E.



RIGBY (U56) 2 S UTC-7(-6DT) N43°38.56' W111°55.75'

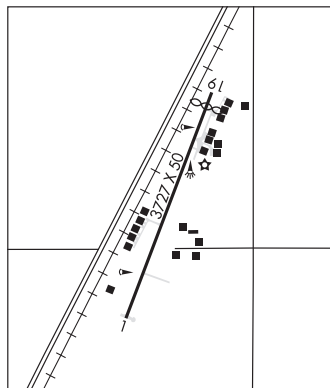
4845 B NOTAM FILE BOI

RWY 01-19: H3727X50 (ASPH) LIRL**RWY 01:** Fence.**RWY 19:** Thld dspcd 225'. Road.**SERVICE:** LGT ACTIVATE LIRL Rwy 01-19—CTAF.**AIRPORT REMARKS:** Unattended. NS ABTMT procedures in effect. Call arpt mgr 208-716-3584.**AIRPORT MANAGER:** (208) 716-3584**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE BOI.**DUBOIS (H) VORTACW** 116.9 DBS Chan 116 N44°05.33'

W112°12.56' 140° 29.4 NM to fld. 4920/15E.

SALT LAKE CITY

L-11D

**ROCKFORD MUNI** (2U4) 0 E UTC-7(-6DT) N43°11.37' W112°31.91'

4465 NOTAM FILE BOI

RWY 16-34: H2800X50 (ASPH)**RWY 16:** Railroad.**RWY 34:** Fence.**AIRPORT REMARKS:** Unattended. Railroad boxcars are often parked on cntrln of Rwy 16.**AIRPORT MANAGER:** 208-782-3863**COMMUNICATIONS:** CTAF 122.9

SALT LAKE CITY

ST ANTHONY**STANFORD FLD** (U12) 1 SE UTC-7(-6DT) N43°57.01' W111°41.08'

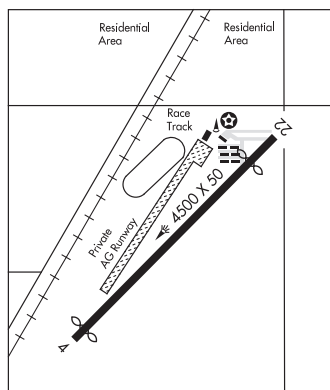
4966 B TPA—5766(800) NOTAM FILE BOI

RWY 04-22: H4500X50 (ASPH) MIRL**RWY 04:** Thld dspcd 300'. P-line.**RWY 22:** Thld dspcd 540'. Tree.**SERVICE:** FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 04-22 and rotating bcn—CTAF.**AIRPORT REMARKS:** Unattended. Fuel 24 hr credit card svc avbl. Acft opr from grvl rwy SE of paved rwy dur AG season. Rwy 04-22 no dspcd thld arrow markings on dspcd thld.**AIRPORT MANAGER:** (208) 624-4258**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE BOI.**DUBOIS (H) VORTACW** 116.9 DBS Chan 116 N44°05.33'

W112°12.56' 095° 24.2 NM to fld. 4920/15E.

SALT LAKE CITY

L-11D



ST MARIES MUNI (S72) 1 NW UTC-8(-7DT) N47°19.55' W116°34.60'

2131 B NOTAM FILE BOI

Rwy 10-28: H3354X60 (ASPH) S-12.5 MIRL(NSTD)

Rwy 10: REIL. PAPI(P2L)—GA 4.0° TCH 39'. Road. Rgt tfc.

Rwy 28: Trees.

SERVICE: S2 **FUEL** 100LL **LGT** ACTIVATE NSTD MIRL Rwy 10-28, PAPI Rwy 10 and REIL Rwy 10—CTAF.

AIRPORT REMARKS: Unattended. Rwy 10-28 NSTD MIRL first 715' west end not lgtd. Rwy 10 NSTD dspcd thld marking yellow chevrons.

AIRPORT MANAGER: 208-582-0941

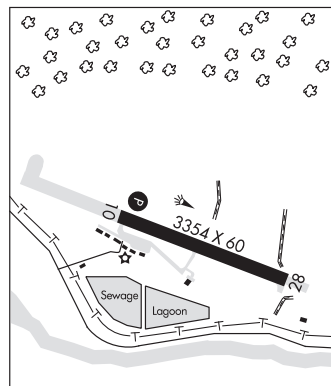
COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MLP.

MULLAN PASS (H) VORW/DME 117.8 MLP Chan 125 N47°27.41' W115°38.76' 244° 38.7 NM to fld. 6100/15E. **HIWAS.**

VOR portion unusable:

060°-090° byd 20 NM blo 9,500'



GREAT FALLS
L-13B

SALMON

LEMHI CO (SMN)(KSMN) 4 S UTC-7(-6DT) N45°07.40' W113°52.89'

4044 B NOTAM FILE SMN

Rwy 17-35: H5510X75 (ASPH) S-12.5 MIRL

Rwy 17: REIL. PAPI(P4L)—GA 3.5° TCH 55'.

Rwy 35: REIL.

SERVICE: S4 **FUEL** 100, JET A **LGT** ACTIVATE MIRL Rwy 17-35, REIL Rwy 17 and Rwy 35, and PAPI Rwy 17—CTAF.

AIRPORT REMARKS: Attended 1500-0000Z±. Rwy 17 use rgt tfc pat for ngf ops only. Cold temperature restricted airport. Altitude correction required at or below -11C/12F. Bcn OTS indef.

AIRPORT MANAGER: (208) 759-0019

WEATHER DATA SOURCES: AWOS-3 135.075 (208) 756-4381.

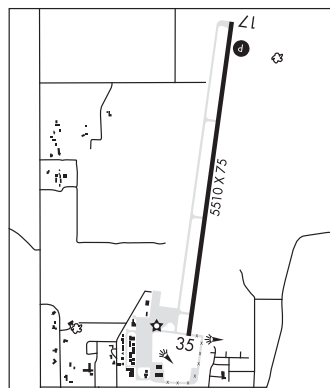
COMMUNICATIONS: CTAF/UNICOM 122.8

SALMON RCO 122.55 (BOISE RADIO)

SALT LAKE CENTER APP/DEP CON 132.4

RADIO AIDS TO NAVIGATION: NOTAM FILE SMN.

SALMON (H) VORW/DME 113.5 LKT Chan 82 N45°01.28' W114°05.05' 042° 10.6 NM to fld. 9260/13E.



GREAT FALLS
H-1D, L-13C
IAP

SALMON N45°01.28' W114°05.05' NOTAM FILE SMN.

(H) VORW/DME 113.5 LKT Chan 82 042° 10.6 NM to Lemhi Co. 9260/13E.

RCO 122.55 (BOISE RADIO)

GREAT FALLS
H-1D, L-13C

SANDPOE N48°17.44' W116°33.79' NOTAM FILE SZT.

NDB (MHW) 264 **SZT** at Sandpoint.

NDB unusable:

170°-200° byd 20 NM

200°-360°

360°-170° byd 15 NM

GREAT FALLS
L-13B

SANDPOINT (SZT)(KSZT) 2 N UTC-8(-7DT) N48°17.97' W116°33.61'
2131 B NOTAM FILE SZT

GREAT FALLS
H-1C, L-13B
IAP

RWY 01-19: H5501X75 (ASPH) S-40 MIRL

RWY 01: REIL. PAPI(P2L)—GA 3.75° TCH 28'. Trees.

RWY 19: REIL. PAPI(P2L)—GA 3.75° TCH 50'. Trees.

SERVICE: S4 **FUEL** 100LL, JET A **OX** 3, 4 **LGT** ACTIVATE MIRL Rwy 01-19 and REIL Rwy 01 and Rwy 19—CTAF. PAPI Rwy 01 and Rwy 19 opr continuously.

AIRPORT REMARKS: Attended 1500-0100Z† Summer, 1600-0100Z† Winter. Wildlife invof arpt. Cold temperature restricted airport. Altitude correction required at or below -21C/-6F.

AIRPORT MANAGER: 208-255-9179

WEATHER DATA SOURCES: AWOS-3 135.425 (208) 263-3074.

COMMUNICATIONS: CTAF/UNICOM 122.7

® SEATTLE CENTER APP/DEP CON 123.95

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90'

W117°37.61' 023° 61.6 NM to fld. 2756/21E. **HIWAS.**

VOR portion unusable:

300°-330° byd 30 NM blo 9,000'

335°-360° byd 18 NM blo 7,000'

335°-360° byd 25 NM

360°-015° byd 26 NM blo 7,000'

SANDPOE NDB (MHW) 264 SZT N48°17.44' W116°33.79' at fld. NOTAM FILE SZT.

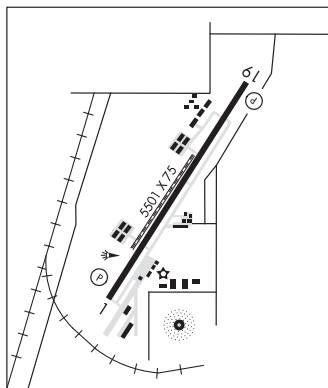
NDB unusable:

170°-200° byd 20 NM

200°-360°

360°-170° byd 15 NM

LOC/DME 109.1 I-RPO Chan 28 Rwy 01. LOC unusable fm 1 NM to rwy thld. LOC unmonitored.



SHEARER (USFS) (2U5) 0 S UTC-8(-7DT) N45°59.37' W114°50.48'

GREAT FALLS

2634 NOTAM FILE BOI

RWY 18-36: 2000X15 (TURF) 2.1% up N

RWY 18: Hill.

RWY 36: Trees.

AIRPORT REMARKS: Unattended. Inexperienced pilots should use for emergs only. . Big game animals on and invof arpt. Located in narrow winding river canyon. Rwy may be soft in spring and late fall. Recommend early morning or late evening ops during summer. Rwy 18-36 first 300' of rwy rough with tall grass. Land Rwy 18, tkf Rwy 36. Blind apch to Rwy18, before ldg/tkf call on frequency 122.9, monitor same.

AIRPORT MANAGER: 208-983-9571

COMMUNICATIONS: CTAF 122.9

SHOSHONE CO (See KELLOGG on page 51)

SLATE CREEK (1S7) 3 NW UTC-8(-7DT) N45°40.31' W116°18.34'

GREAT FALLS

1660 NOTAM FILE BOI

RWY 11-29: 2600X165 (TURF)

RWY 11: P-line.

RWY 29: P-line.

AIRPORT REMARKS: Unattended. No winter maintenance. No line of sight between rwy ends. +35' P-line along NE boundary of arpt, crosses over tiedown area. Rwy 11-29 edges and thlds marked with white rock boundary markers. No telephone avbl at arpt. Rwy 11 has +3' fence at 35' on centerline.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9

SMILEY CREEK (U87) 0 E UTC-7(-6DT) N43°54.73' W114°47.76'

SALT LAKE CITY

7206 NOTAM FILE BOI

RWY 14-32: 4900X150 (TURF)

RWY 14: Fence.

RWY 32: Fence.

AIRPORT REMARKS: Unattended. No winter maintenance. Extremely high density alt conditions exist during summer months. Recommend land Rwy 14, tkf Rwy 32, when wind conditions allow. Be alert for sprinklers/stand pipes on edge of rwy. Rwy 14-32 edges and thlds marked with white rock.

AIRPORT MANAGER: 208-334-8775

COMMUNICATIONS: CTAF 122.9

SMITH PRAIRIE (See PRAIRIE on page 64)

SNAKE RIVER SPB (See LEWISTON on page 53)

SODA SPRINGS
ALLEN H TIGERT (U78) 1 SE UTC-7(-6DT) N42°38.91' W111°34.91'

5843 B NOTAM FILE BOI

RWY 16-34: H3500X50 (ASPH) S-12 LIRL(NSTD) 0.3% up S**RWY 16:** TRCV(TRIL)—GA 4.0° TCH 25'. Thld dsplcd 300'. Road.**RWY 34:** TRCV(TRIL)—GA 3.0° TCH 44'.**RWY 13-31:** H2500X50 (ASPH) 0.4% up SE**RWY 13:** Pole.**RWY 31:** P-line.**SERVICE:** FUEL 100LL LGT ACTIVATE LIRL Rwy 16-34, TRCV Rwy 16 and Rwy 34—click CTAF 5 times.**AIRPORT REMARKS:** Unattended. Call 208-547-2600 or 208-221-4494 for svc. Sharply descending terrain near end of Rwy 31 and Rwy 34. Rwy 16-34 first 300' Rwy 16 pavement breaking up. Rwy 16-34 NSTD LIRL first 300' Rwy 16 not lgtd. Rwy 16 thld dsplcd 300' at ngt, 3200' of Rwy 16-34 lgtd at ngt.**AIRPORT MANAGER:** 208-547-2600**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE MLD.**MALAD CITY (H) VORW/DME** 117.4 MLD Chan 121 N42°11.99'

W112°27.07' 038° 47.1 NM to fld. 7330/17E.

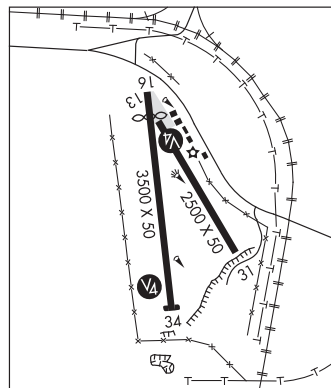
VOR portion unusable:

157°-167° byd 25 NM blo 11,000'

DME portion unusable:

005°-025° byd 30 NM blo 14,000'

157°-167° byd 25 NM blo 11,000'

SALT LAKE CITY
L-11D

SOLDIER BAR USFS (85U) 1 SW UTC-7(-6DT) N45°05.99' W114°48.06'

4190 NOTAM FILE BOI

RWY 07-25: 1650X15 (DIRT)**RWY 07:** Trees.**RWY 25:** Hill.**AIRPORT REMARKS:** Unattended. No telephone avbl at arpt. Steep canyon walls in all directions. Cabin Creek arpt aprx 7 miles west up Big Creek Canyon. Arpt on bench 500' abv Big Creek on south side. West 1/3 of rwy has 4° slope down to the north. Go-arounds not recommended. Rwy 07-25 sharp dogleg on west 1/3 of rwy to the north. Land Rwy 25, tkf Rwy 07.**AIRPORT MANAGER:** 208-634-0746**COMMUNICATIONS:** CTAF 122.9

GREAT FALLS

SQUAW BUTTE N44°00.70' W116°24.36'
RCO 122.45 (BOISE RADIO)
SALT LAKE CITY
L-11B

STANFORD FLD (See ST ANTHONY on page 66)

STANLEY
BRUCE MEADOWS (U63) 20 NW UTC-7(-6DT) N44°24.93' W115°19.01'

6370 NOTAM FILE BOI

RWY 05-23: 5000X110 (TURF-DIRT)**RWY 23:** Fence.**AIRPORT REMARKS:** Unattended. Big game animals have access to rwy. No winter maint. Recommend land Rwy 05, tkf Rwy 23 when wind conditions permit. Arpt is lctd on a high mtn valley surrounded by mtns. Rwy 23 fence marked with yellow and black warning panels 40' from end of AER 23. Rwy 05-23 edges and thlds marked with white rocks. 20' wide dirt strip down center of Rwy 05-23.**AIRPORT MANAGER:** 208-334-8775**COMMUNICATIONS:** CTAF 122.9

SALT LAKE CITY

STANLEY (2U7) 1 SE UTC-7(-6DT) N44°12.51' W114°56.07' SALT LAKE CITY
 6403 NOTAM FILE BOI
RWY 17-35: H4300X150 (ASPH-DIRT)
RWY 17: Trees.
RWY 35: Fence.
AIRPORT REMARKS: Unattended. No winter maint. Arpt lctd in valley surrounded by high mountainous terrain. Numerous air taxi ops dur the summer months. First 1600' Rwy 17 asph 30' wide. Rwy 17-35 NSTD markings, rwy edges and thlds marked with white rocks.
AIRPORT MANAGER: 208-334-8775
COMMUNICATIONS: CTAF 122.9

THOMAS CREEK (2U8) 31 N UTC-7(-6DT) N44°43.40' W115°00.24' GREAT FALLS
 4415 NOTAM FILE BOI
RWY 03-21: 2100X75 (TURF-DIRT) 2.5% up SW
RWY 03: Hill.
RWY 21: Tree.
AIRPORT REMARKS: Unattended. No winter maint. Recommend ldg Rwy 21, tkf Rwy 03, go arounds extremely difficult. Rwy 03 first 400' is dog leg with a heading of 360°. Acft loading and unloading at the south end of Rwy 21. Considerable air taxi ops mid to late summer. Rwy 03-21 usable width may vary from 75' to 100'. Arpt is lctd on plateau 100-150' abv river.
AIRPORT MANAGER: 208-334-8775
COMMUNICATIONS: CTAF 122.9

STANLEY N44°10.19' W114°55.87' SALT LAKE CITY
 RCO 122.6 (BOISE RADIO) L-11C

STEELHEAD N42°54.97' W114°40.45' NOTAM FILE BOI. SALT LAKE CITY
 NDB (MHW) 211 HDG 255° 4.0 NM to Gooding Muni. L-11C
 NDB unusable:
 Byd 15 NM

STRIK N42°28.72' W114°21.26' NOTAM FILE TWF. SALT LAKE CITY
 NDB (LOM) 389 TW 259° 5.9 NM to Joslin Fld - Magic Valley Rgnl.

STURGEON N43°06.80' W115°39.51' NOTAM FILE BOI. SALT LAKE CITY
 NDB (MHW) 333 STI 276° 3.4 NM to Mountain Home Muni. L-11B
 NDB unusable:
 324°-024° byd 15 NM

SWEDEN N43°25.93' W112°09.75' NOTAM FILE BOI. SALT LAKE CITY
 NDB (MHW) 350 SWU 024° 6.3 NM to Idaho Falls Rgnl. L-11D

TANGLEFOOT SPB (See CAVANAUGH BAY on page 38)

THOMAS CREEK (See STANLEY on page 70)

THREE CREEK

MURPHY HOT SPRINGS (3UØ) 9 W UTC-7(-6DT) N42°01.41' W115°20.13' SALT LAKE CITY
 5829 NOTAM FILE BOI
RWY 01-19: 5250X120 (TURF) 1.2% up S
RWY 01: Fence.
RWY 19: Fence.
AIRPORT REMARKS: Unattended. No telephone avbl at arpt. No winter maint. No line of sight between rwy ends. Recommend land Rwy 19 and depart Rwy 01 when wind conditions permit. Rwy soft in spring and when wet. Rwy 01-19 edges and thlds marked with white rock.
AIRPORT MANAGER: 208-334-8775
COMMUNICATIONS: CTAF 122.9

TWIN BRIDGES (See KETCHUM on page 52)

TWIN FALLS

JOSLIN FLD — MAGIC VALLEY RGNL (TWF)(KTWF) 4 S UTC-7(-6DT) N42°28.91' W114°29.27' SALT LAKE CITY
 4154 B Class I, ARFF Index A NOTAM FILE TWF H-3D, L-11C
RWY 08-26: H8703X150 (ASPH-PFC) S-75, D-200, 2S-175, IAP, AD
 2D-250 HIRL

RWY 08: REIL VASI(V4L)—GA 3.0° TCH 58'.

RWY 26: MALSR PAPI(P4L)—GA 3.0° TCH 55'.

RWY 12-30: H3224X75 (ASPH) S-19 1.3% up SE

RWY 12: Trees.

LAND AND HOLD—SHORT OPERATIONS

LDG RWY	HOLD—SHORT POINT	AVBL LDG DIST
RWY 08	12-30	4500
RWY 12	08-26	2750
RWY 26	12-30	3600

SERVICE: S4 FUEL 100LL, JET A1+ OX 1, 3 LGT When twr clsd
 ACTIVATE HIRL Rwy 08-26, MALSR Rwy 26, REIL Rwy 08—CTAF.

AIRPORT REMARKS: Attended 1330-0300Z†. Additional fuel svc fee btn

0300-1330Z†, call 208-733-5920 or 539-4034 for info.

Parachute Jumping. Skydiving on arpt N of Rwy 26 apch end. No line of sight btn AER 26 and AER 12. PPR for unscheduled air carrier ops

with more than 30 pax seats call arpt mgr 208-733-5215. Rwy 12-30 and Twy G, Twy H, Twy J and Twy K non-air carrier movement

area. Ldg fee for all FAR Part 121, 135 ops and general aviation Part 91 acft greater than 12,500 lbs max GWT. For info ctc arpt mgr 208-733-5215.

AIRPORT MANAGER: 208-733-5215

WEATHER DATA SOURCES: ASOS 135.025 (208) 733-1878. SAWRS/WSO/AG.

COMMUNICATIONS: CTAF 118.2 UNICOM 122.95

TWIN FALLS RCO 122.25 (BOISE RADIO)

TWIN FALLS APP/DEP CON 126.7 (1300-0400Z†)

® **SALT LAKE CENTER APP/DEP CON** 118.05 (0400-1300Z†)

TWIN FALLS TOWER 118.2 (1300-0400Z†) **GND CON** 121.7 **CLNC DEL** 123.65

AIRSPACE: CLASS D svc 1300-0400Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE TWF.

TWIN FALLS (L) VORTACW 115.8 TWF Chan 105 N42°28.79' W114°29.37' at fld. 4140/18E.

VOR portion unusable:

115°-160° byd 30 NM blo 11,000'

115°-160° byd 33 NM blo 12,000'

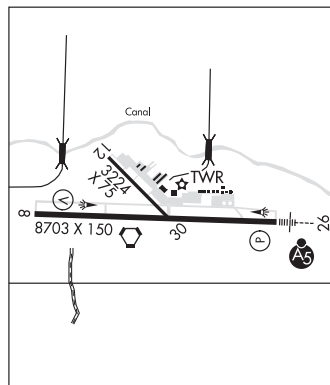
TACAN AZIMUTH & DME unusable:

105°-160° byd 20 NM blo 15,000'

STRIK NDB (LOM) 389 TW N42°28.72' W114°21.26' 259° 5.9 NM to fld.

ILS 108.3 I-TWF Rwy 26. Class IE. LOM STRIK NDB. Unmonitored when ATCT clsd.

COMM/NAV/WEATHER REMARKS: Frequency 121.5 not avbl at twr.



TYHEE N42°57.82' W112°30.98' NOTAM FILE PIH.

NDB (LOM) 383 PI 213° 4.8 NM to Pocatello Rgnl. LOM unmonitored when ATCT clsd.

SALT LAKE CITY
L-11C

UCONN N43°35.87' W111°58.84' NOTAM FILE IDA.

NDB (LOM) 324 ID 203° 6.4 NM to Idaho Falls Rgnl.

SALT LAKE CITY

UPPER LOON CREEK USFS (See CHALLIS on page 39)

USTIK N43°35.81' W116°18.91' NOTAM FILE BOI.

NDB (HW/LOM) 359 BO 101° 4.5 NM to Boise Air Terminal/Gowen Fld.

SALT LAKE CITY
L-11B

WARM SPRINGS CREEK (See LOWMAN on page 54)

WARREN (USFS) (3U1) 0 NW UTC-7(-6DT) N45°16.09' W115°41.02'**GREAT FALLS**

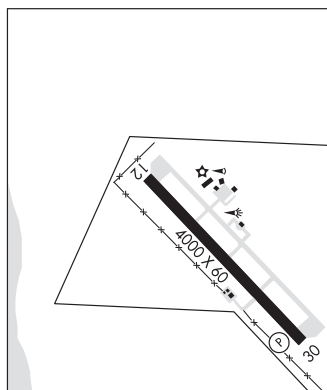
5902 NOTAM FILE BOI

RWY 12-30: 2765X50 (DIRT) 1.2% up SE**RWY 12:** Trees.**RWY 30:** Road.

AIRPORT REMARKS: Unattended. No winter maint. Rwy width varies from 65' to 85'. Recommend land Rwy 12, tkf Rwy 30 when wind cond allow. Downdrafts prevalent Rwy 12 summer months. Recommended use early morning and late evening in summer. Not recommended for inexperienced pilots. Do not use adjacent pvt road southwest of rwy for tkf or ldg. Road crosses rwy aprx 800' from Rwy 12 thld. No telephone avbl at arpt. Rwy 12 thld marked with white rock. Rwy 30 thld poorly defined. Rwy 12-30 has some loose rocks to 2" in diameter, isolated spots of embedded flat rocks to 6" in diameter and some spotty weed growth to 12". Rwy 12 +4' dredge tailings 0', 65' rgt, +4' dredge tailings 350' cntrln, +200' ridge at 1000' on cntrln. Rwy 30 +25' bldg at 70', 85' left +10' bldg at 130', 70' left +10' pvt road at 130', 35' left +5' log fence at 100' 25' left.

AIRPORT MANAGER: (208) 634-0975**COMMUNICATIONS:** CTAF 122.9**WEATHERBY USFS** (See ATLANTA on page 32)**WEISER MUNI** (S87) 3 S UTC-7(-6DT) N44°12.28' W116°57.63'**SALT LAKE CITY**

2120 B NOTAM FILE BOI

L-11B**RWY 12-30:** H4000X60 (ASPH) S-12.5 MIRL**IAP****RWY 12:** REIL. Trees.**RWY 30:** REIL. PAPI(P4L)—GA 3.0° TCH 50'.**SERVICE:** S3 LGT ACTIVATE MIRL Rwy 12-30 and REIL Rwy 12 and Rwy 30—CTAF. PAPI Rwy 30 opr continuously.**AIRPORT REMARKS:** Attended continuously. Birds on and invof arpt. Extv AG ops Mar-Oct.**AIRPORT MANAGER:** 208-549-0712**COMMUNICATIONS:** CTAF/UNICOM 122.8**SALT LAKE CENTER APP/DEP CON** 128.05**RADIO AIDS TO NAVIGATION:** NOTAM FILE MYL.**DONNELLY (H) VORW/DME** 116.2 DNJ Chan 109 N44°46.03' W116°12.38' 205° 46.8 NM to fld. 7333/19E.**WILSON BAR USFS** (See DIXIE on page 42)**YELLOW PINE****JOHNSON CREEK** (3U2) 3 S UTC-7(-6DT) N44°54.70' W115°29.13'**GREAT FALLS**

4960 NOTAM FILE BOI

RWY 17-35: 3400X150 (TURF) 1.6% up N**RWY 17:** Hill.**RWY 35:** Fence.

AIRPORT REMARKS: Attended Jun-Aug, Thu-Mon 1500-0000Z±. Big game animals on and invof arpt. No winter maintenance. Recommend land Rwy 17, tkf Rwy 35 when wind cond allow. Numerous +60' trees adjacent to each side of rwy. Be alert for sprinklers on rwy. Additional 250' of length avbl for tkf on Rwy 35 end. Rwy 17-35 edges and thlds marked with white rock boundary markers. Special considerations should be given to density altitude, turbulence and mountain flying proficiency.

AIRPORT MANAGER: 208-334-8775**COMMUNICATIONS:** CTAF 122.9

REED RANCH (I92) 12 SW UTC-7(-6DT) N44°53.50' W115°42.78'

GREAT FALLS

4157 NOTAM FILE BOI

RWY 16-34: 2175X100 (TURF-DIRT)

RWY 16: Tree.

RWY 34: Road.

AIRPORT REMARKS: Unattended. Arpt CLOSED Nov 1 to Apr 30 exc for emerg ops. No line of sight btn rwy ends. No snow removal. Preferred land Rwy 16, depart Rwy 34. All ops conducted in VFR cond. Rwy 16-34 marked with white rock boundary markers. Arpt lctd in valley surrounded by high terrain all quads.

AIRPORT MANAGER: 208-334-8895

COMMUNICATIONS: CTAF 122.9

ANACONDA**BOWMAN FLD** (3U3) 3 NE UTC-7(-6DT) N46°09.20' W112°52.06'**GREAT FALLS**

5034 B NOTAM FILE GTF

H-1D, L-13C**RWY 17-35:** H6010X75 (ASPH) MIRL 0.6% up S**IAP****RWY 17:** PAPI(P2L)—GA 3.0° TCH 40'.**RWY 35:** PAPI(P2L)—GA 3.0° TCH 40'. Tree. Rgt tfc.**RWY 04-22:** H4074X60 (ASPH) S-18, D-25 MIRL 1.0% up SW**RWY 04:** PAPI(P2L)—GA 3.25° TCH 44'.**RWY 22:** PAPI(P2L)—GA 3.0° TCH 22'.**SERVICE:** LGT ACTIVATE MIRL Rwy 04-22 and Rwy 17-35, PAPI Rwy 04, Rwy 17, Rwy 22 and Rwy 35 and AWOS-CTAF.**AIRPORT REMARKS:** Unattended. Cold temperature restricted airport.

Altitude correction required at or below -32C/-26F. Phone on fld.

Unltd hazardous stack 585' AGL lctd 3.2 NM southwest of arpt.

AIRPORT MANAGER: 406-593-1702**WEATHER DATA SOURCES:** AWOS-AV 122.8 (406) 563-8275.**COMMUNICATIONS:** CTAF/UNICOM 122.8**SALT LAKE CENTER APP/DEP CON** 132.4**RADIO AIDS TO NAVIGATION:** NOTAM FILE BTM.**COPPERTOWN (L) VORW/DME** 111.6 CPN Chan 53 N46°01.92'

W112°44.85' 309° 8.8 NM to fld. 5780/16E.

VOR portion unusable:

157°-275° byd 22 NM blo 16,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-100° byd 20 NM blo 15,000'

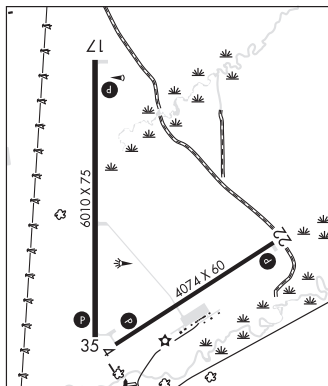
DME portion unusable:

157°-275° byd 22 NM blo 17,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-127° byd 22 NM blo 15,000'

**ASHLAND****ST LABRE MISSION** (3U4) 1 NW UTC-7(-6DT) N45°36.39' W106°16.46'**BILLINGS**

2909 NOTAM FILE GTF

RWY 13-31: 3830X95 (GRVL-DIRT)**RWY 13:** Tree.**RWY 31:** Tree.**AIRPORT REMARKS:** Unattended. Vehicles and horses invof rwy. 100' lgt antenna 1/2 mile SW of arpt on hill. Rwy 13-31 muddy when wet. Rwy 13-31 1' to 2' dirt berm on edge of rwy and thlds.**AIRPORT MANAGER:** (406) 784-4595**COMMUNICATIONS:** CTAF/UNICOM 122.8**AUGUSTA****AUGUSTA** (3U5) 2 SE UTC-7(-6DT) N47°27.81' W112°22.81'**GREAT FALLS**

4145 NOTAM FILE GTF

RWY 01-19: 3650X75 (TURF) 0.7% up S**AIRPORT REMARKS:** Unattended. Wildlife on and invof arpt including rattlesnakes. Unltd vehicle access to arpt. Rwy 01-19 gopher holes on rwy sfc. Rwy 01-19 NSTD markings, marked with white cones.**AIRPORT MANAGER:** 406-444-2506**COMMUNICATIONS:** CTAF 122.9

BENCHMARK (3U7) 19 W UTC-7(-6DT) N47°28.92' W112°52.34'

5434 NOTAM FILE GTF

RWY 12-30: H6000X100 (ASPH) S-45, D-80, 2D-140 2.0% up SE**RWY 12:** Trees.**RWY 30:** Trees.**AIRPORT REMARKS:** Unattended. No snow removal winters. No svcs avbl.

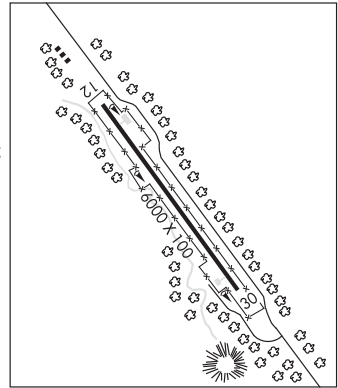
Mountains parallel east and west of arpt. Rwy 30 recommended dep rwy cond permitting. Rwy 12 rises uphill 120' with rising terrain byd. Rwy subj to moderate to severe crosswinds and turbulence. Rwy 12-30 poor cond due to crack seal failing/rough/uneven and vegetation growing in cracks, spalling etc. Rwy 12-30 markings faded and almost non-existent. Arpt is lctd within the Lewis and Clark National Forest.

AIRPORT MANAGER: (406) 495-3832**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE GTF.

GREAT FALLS (H) VORTACW 115.1 GTF Chan 98 N47°27.00'
W111°24.73' 256° 59.5 NM to fld. 3672/16E.

GREAT FALLS

H-1D, L-13C

**BABB** (49S) 1 SE UTC-7(-6DT) N48°50.89' W113°25.76'

4518 NOTAM FILE GTF

RWY 14-32: 3860X110 (TURF) 0.8% up NW**RWY 14:** Trees.**RWY 32:** Rgt tfc.

AIRPORT REMARKS: Unattended. No snow removal. Livestock on and invof arpt. Gopher holes on rwy sfc. Rwy 14-32 soft when wet. Tall grass at north end. Rwy 14 markings NSTD, tires faded and obscured by weeds. Rwy 14-32 edge marked with painted tires full length.

AIRPORT MANAGER: 406-444-2506**COMMUNICATIONS:** CTAF 122.9**GREAT FALLS****BAKER MUNI** (BHK)(KBHK) 1 SE UTC-7(-6DT) N46°20.80' W104°15.49'

2981 B NOTAM FILE BHK

RWY 13-31: H5904X75 (ASPH-GRVD) S-20, D-26 MIRL

0.3% up SE

RWY 13: REIL. PAPI(P2L)—GA 3.25° TCH 39'.**RWY 31:** REIL. PAPI(P2L)—GA 3.0° TCH 27'.

SERVICE: S4 FUEL 100LL, JET A+ LGT MIRL Rwy 13-31, REIL Rwy 13 and Rwy 31 and PAPI Rwy 13 and Rwy 31 opr dusk-0500Z† after 0500Z‡ activate—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z†, Sat 1500-1900Z‡.**AIRPORT MANAGER:** 406-778-3508**WEATHER DATA SOURCES:** ASOS 135.475 (406) 778-3312.**COMMUNICATIONS:** CTAF 122.9

Ⓡ SALT LAKE CENTER APP/DEP CON 126.85

RADIO AIDS TO NAVIGATION: NOTAM FILE DIK.**DICKINSON (H) VORTACW** 112.9 DIK Chan 76 N46°51.60'

W102°46.41' 230° 68.7 NM to fld. 2527/14E. HIWAS.

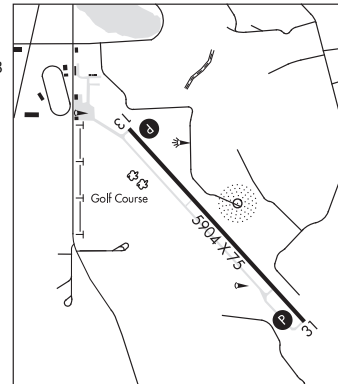
TIMBER NDB (HW) 344 BKU N46°20.88'

W104°15.38' at fld. NOTAM FILE BHK.

BILLINGS

H-2H, L-13E

IAP

**BENCHMARK** (See AUGUSTA on page 75)**BERT MOONEY** (See BUTTE on page 80)**BIG HORN CO** (See HARDIN on page 94)

BIG SANDY (3U8) 1 S UTC-7(-6DT) N48°09.81' W110°06.86'

2699 B TPA—3499(800) NOTAM FILE GTF

RWY 06-24: H3570X60 (ASPH) S-12.5 MIRL

RWY 06: PAPI(P2L)—GA 3.0° TCH 30'.

RWY 24: PAPI(P2L)—GA 3.0° TCH 30'.

RWY 13-31: 2100X100 (TURF)

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 06-24—CTAF.

AIRPORT REMARKS: Attended on call.

AIRPORT MANAGER: 406-378-2361

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE HVR.

HAVRE (L) VORW/DME 111.8 HVR Chan 55 N48°32.43' W109°46.20' 195° 26.5 NM to fld. 2583/16E.

GREAT FALLS
L-13D

BIG SKY FLD (See CULBERTSON on page 84)

BIG TIMBER (6S0) 3 SW UTC-7(-6DT) N45°48.39' W109°58.70'

4494 B NOTAM FILE GTF

RWY 06-24: H5285X75 (ASPH) S-12 MIRL 0.6% up SW

RWY 24: PAPI(P2L)—GA 3.5° TCH 45'.

RWY 18-36: 3475X75 (TURF) 0.7% up S

RWY 18: Fence.

RWY 36: Fence.

SERVICE: S4 FUEL 100LL, JET A LGT MIRL Rwy 06-24 opr

dusk-midnight, other times ACTIVATE—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z, Sat-Sun on call. For attendant Sat-Sun call 406-932-4389. Rwy 18-36 thlds marked with cones.

AIRPORT MANAGER: 406-930-1040

WEATHER DATA SOURCES: AWOS-A 132.050 (406) 932-6051.

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE LVM.

LIVINGSTON (H) VORW/DME 116.1 LVM Chan 108 N45°42.15'

W110°26.55' 057° 20.5 NM to fld. 4653/15E.

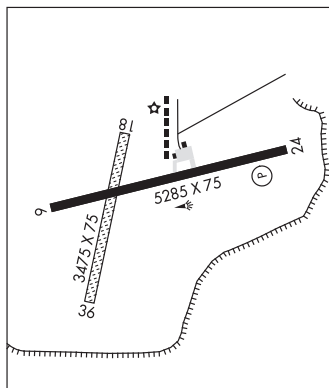
VOR/DME unusable:

100°-190° byd 15 NM

255°-280° byd 20 NM

345°-041° byd 15 NM

GREAT FALLS
H-1E, L-13D



BIGFORK

FERNDALE AIRFIELD (53U) 3 NE UTC-7(-6DT) N48°03.63' W114°00.07'

3072 TPA—See Remarks NOTAM FILE GTF

RWY 15-33: 3500X95 (TURF) 0.7% up SE

RWY 15: Trees.

RWY 33: Trees.

SERVICE: S4

AIRPORT REMARKS: Unattended. Snow removal may be delayed call for conditions 406-257-5994. Rwy 15-33 white cones mark full rwy length. Red tfc cones mark each rwy thld. Dep procedure straight out through TPA of 4072(1000).

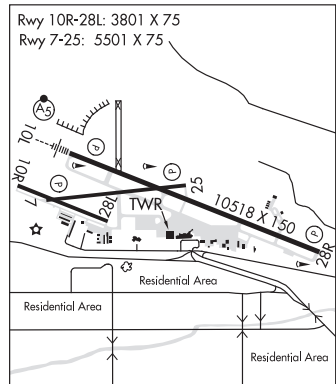
AIRPORT MANAGER: 406-257-5994

COMMUNICATIONS: CTAF 122.9

GREAT FALLS

BILLINGS LOGAN INTL (BIL)(KBIL) 2 NW UTC-7(-6DT) N45°48.46' W108°32.57'**BILLINGS**
H-1E, L-13D
IAP, AD

3652 B ARFF Index—See Remarks NOTAM FILE BIL

RWY 10L-28R: H10518X150 (ASPH-GRVD) S-116, D-182, 2S-175,
2D-307 HIRL**RWY 10L:** MALSR. PAPI(P4L)—GA 3.0° TCH 51'. RVR-T 0.8% down.**RWY 28R:** REIL. PAPI(P4R)—GA 3.0° TCH 56'. Ground. 1.0% up.**RWY 07-25:** H5501X75 (ASPH-GRVD) S-12.5 MIRL 1.9% up SW**RWY 07:** PAPI(P4L)—GA 3.0° TCH 31'. Ground.**RWY 25:** REIL. PAPI(P4R)—GA 3.0° TCH 36'.**RWY 10R-28L:** H3801X75 (ASPH) S-12.5 MIRL 1.2% up NW**RWY 10R:** Ground.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 07:** TORA-5501 TODA-5501 ASDA-5501 LDA-5501**RWY 10L:** TORA-10518 TODA-10518 ASDA-10518 LDA-10518**RWY 10R:** TORA-3801 TODA-3801 ASDA-3801 LDA-3801**RWY 25:** TORA-5501 TODA-5501 ASDA-5501 LDA-5501**RWY 28L:** TORA-3801 TODA-3801 ASDA-3801 LDA-3801**RWY 28R:** TORA-10518 TODA-10518 ASDA-10518 LDA-10518**SERVICE:** S4 **FUEL** 100LL, JET A **OX** 1, 2, 3, 4 **LGT** For MIRL Rwy 10R-28L and Rwy 07-25, HIRL Rwy 10L-28R, MALSR Rwy 10L and REIL Rwy 25 and Rwy 28R ctc twr.**AIRPORT REMARKS:** Attended continuously. Rwy 07-25 and Rwy 10R-28L clsd to acft over 12,500 lbs. No cstm, remote acft parking, ltd gnd handling svc. Migratory waterfowl invof arpt. Twy D 35' wide clsd to acft over 12,500 lbs. Class I, ARFF Index C. PPR unscheduled air carrier ops with more than 30 pax seats ctc arpt ops 406-657-8496. ARFF Index B from 0900-1200Z†. 180° turns Rwy 10L-28R by acft over 25,000 lbs prohibited.**AIRPORT MANAGER:** 406-657-8495**WEATHER DATA SOURCES:** ASOS (406) 248-2773 LLWAS.**COMMUNICATIONS:** ATIS 126.3 **UNICOM** 122.95**RCO** 122.55 (GREAT FALLS RADIO)® **APP/DEP CON** 119.2 (EAST) 120.5 (WEST)**TOWER** 127.2 **GND CON** 121.9 **CLNC DEL** 121.9**PRE TAXI CLNC** 121.9**AIRSPACE:** CLASS C svc ctc **APP CON****RADIO AIDS TO NAVIGATION:** NOTAM FILE BIL.(H) **VORTACW** 114.5 BIL Chan 92 N45°48.51' W108°37.48' 077° 3.4 NM to fld. 3811/14E.**SAIGE NDB (LOM)** 251 BI N45°51.13' W108°41.67' 099° 6.9 NM to fld.**ILS** 110.3 I-BIL Rwy 10L. Class IB. LOM SAIGE NDB.**ILS/DME** 111.5 I-BMO Chan 52 Rwy 28R. Class IA. Localizer unusable beyond 20 degrees left and right of course.**BLACK BUTTE NORTH** (See WINIFRED on page 122)**BOULDER** (3U9) 2 S UTC-7(-6DT) N46°12.70' W112°06.46'**GREAT FALLS**

4968 NOTAM FILE GTF

RWY 11-29: 3675X72 (TURF) 1.6% up W**AIRPORT REMARKS:** Unattended. No snow removal. Rwy 11-29 NSTD markings, thlds and edges marked with white cones.

-2' drainage ditch +1' berm west side of rwy full length, 43' from Rwy 11-29 cntrl.

AIRPORT MANAGER: 406-225-9529**COMMUNICATIONS:** CTAF 122.9**BOWMAN FLD** (See ANACONDA on page 74)

BOZEMAN YELLOWSTONE INTL (BZN)(KBZN) 7 NW UTC-7(-6DT) N45°46.65' W111°09.12'**GREAT FALLS**

4473 B TPA—See Remarks AOE Class I, ARFF Index B NOTAM FILE BZN

H-1E, L-13C**RWY 12-30:** H8994X150 (ASPH-GRVD) S-75, D-200, 2S-175, 2D-360, 2D/2D2-830 HIRL**IAP, AD****RWY 12:** MALSR. VASI(V4L)—GA 3.0° TCH 53'. 0.5% up.**RWY 30:** REIL. VASI(V4L)—GA 3.0° TCH 45'. 0.3% down.**RWY 11-29:** 3197X80 (TURF) 0.4% up SE**RWY 03-21:** H2650X75 (ASPH) S-12.5 0.7% up SW**LAND AND HOLD—SHORT OPERATIONS**

LDG RWY	HOLD—SHORT POINT	AVBL LDG DIST
RWY 12	03-21	6841

RUNWAY DECLARED DISTANCE INFORMATION**RWY 03:** TORA-2650 TODA-2650 ASDA-2650 LDA-2650**RWY 11:** TORA-3197 TODA-3197 ASDA-3197 LDA-3197**RWY 12:** TORA-8994 TODA-8994 ASDA-8994 LDA-8994**RWY 21:** TORA-2650 TODA-2650 ASDA-2650 LDA-2650**RWY 29:** TORA-3197 TODA-3197 ASDA-3197 LDA-3197**RWY 30:** TORA-8994 TODA-8994 ASDA-8994 LDA-8994**SERVICE:** S4 FUEL 100, 100LL, JET A OX 1, 2, 3, 4 LGT When twr clsd ACTIVATE HIRL Rwy 12-30, and MALSR Rwy 12—CTAF. At all times ACTIVATE REIL Rwy 30—CTAF.**AIRPORT REMARKS:** Attended 1300-0700Z†. For after hr svcs call FBO

406-388-1351/4152. Parachute Jumping. Migratory birds invof arpt. Rwy 11-29 open when dry, clsd when wet or snow covered. Glider ops on and invof arpt. Rwy 12 is normally used for arrivals/departures when the wind speed is less than 10 knots. If aircraft is unable to use Rwy 12, other rwys may be used but delays may occur. PPR for unscheduled air carrier ops with more than 30 pax seats call arpt mgr 406-388-6632. Rwy 21 btn Rwy 12-30 and Twy A avbl for acft greater than 12,500 lbs day/VFR only. Snow removal eqpt monitors CTAF. Tkf Rwy 03 prohibited until after confirming no tfc using Rwy 12. TPA—Single Engine 5302(829), Multi Engine/Turbojet 5802(1329). Cold temperature restricted airport. Altitude correction required at or below -33C/-27F. U.S. Customs avbl 1600-2400Z† Thu-Mon. Ldg fee for acft over 12,500 lbs.

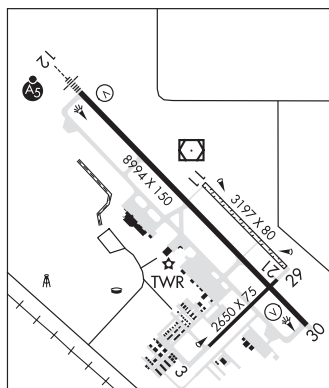
AIRPORT MANAGER: 406-388-6632**WEATHER DATA SOURCES:** ASOS (406) 388-4882**COMMUNICATIONS:** CTAF 118.2 ATIS 135.425 UNICOM 122.95**RCO 122.5 (GREAT FALLS RADIO)**® **BIG SKY APP/DEP CON** 118.975 (1300-0715Z†, other times ctc)® **SALT LAKE CENTER APP/DEP CON** 118.975**TOWER 118.2 (1300-0700Z†) GND CON 121.8****AIRSPACE:** CLASS D svc 1300-0700Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE BZN.**(H) VORW/DME 112.4 BZN Chan 71 N45°47.03' W111°09.33' at fld. 4436/18E.**

VOR portion unusable:

360°-105° byd 20 NM

DME portion unusable:

350°-105° byd 20 NM

MANNI NDB (LOM) 266 BZ N45°52.31' W111°17.14' 122° 8.0 NM to fld. OM unusable 340°-110° byd 15 NM.**ILS 109.3 I-BZN Rwy 12. Class I E. LOM MANNI NDB. OM unusable 340°-110° byd 15 NM.**

BRIDGER MUNI (6S1) 0 W UTC-7(-6DT) N45°17.50' W108°55.54'
3720 B NOTAM FILE GTF

BILLINGS
L-13D

Rwy 16-34: H3400X42 (ASPH) S-4 LIRL(NSTD)

Rwy 16: Thld dsplcd 120'. Tree.

Rwy 34: PAPI(P2L)—GA 3.0°. Thld dsplcd 475'. Rgt tfc.

SERVICE: LGT ACTIVATE LIRL Rwy 16-34, PAPI Rwy 34—CTAF.

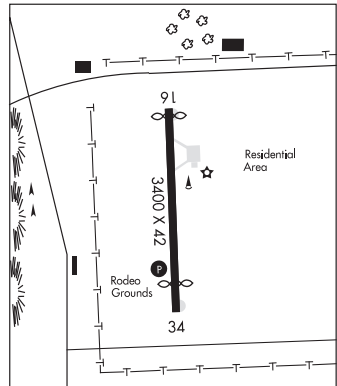
AIRPORT REMARKS: Unattended. Deer and waterfowl on and in/ov arpt. Rwy 16 thld relocated 120' for ngt ops only not marked. Rwy 34 dsplcd thld marked by numbers 3280' avbl for ngt ops. Rwy 16-34 NSTD LIRL. West side 57' from pavement edge, East side 47' from pavement edge. Each thld has 4 lgts total.

AIRPORT MANAGER: 406-662-3319

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE BIL.

BILLINGS (H) VORTACW 114.5 BIL Chan 92 N45°48.51'
W108°37.48' 188° 33.5 NM to fld. 3811/14E.



BROADUS (ØØF) 3 NW UTC-7(-6DT) N45°28.23' W105°27.43'
3282 B NOTAM FILE GTF

BILLINGS
L-13E

Rwy 10-28: H4400X75 (ASPH) S-12.5 MIRL 0.4% up W

Rwy 10: PAPI(P2L)—GA 3.0° TCH 25'. Rgt tfc.

Rwy 28: PAPI(P2L)—GA 3.0° TCH 25'.

SERVICE: FUEL 100LL LGT MIRL Rwy 10-28, PAPI Rwy 10 and Rwy 28 opr dusk-1700, after 1700 ACTIVATE—CTAF.

AIRPORT REMARKS: Unattended.

AIRPORT MANAGER: 406-436-2657

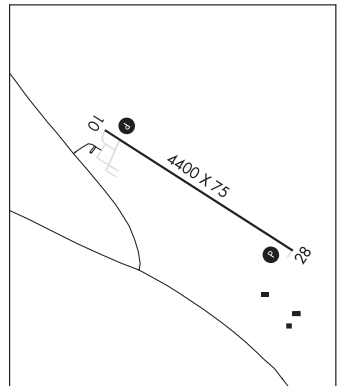
COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE MLS.

MILES CITY (H) VORW/DME 112.1 MLS Chan 58 N46°22.93'
W105°57.21' 144° 58.5 NM to fld. 2666/15E.

NDB (MHW) 335 BDX N45°26.15'

W105°24.67' 302° 2.8 NM to fld. NOTAM FILE GTF. VFR only.



BROWNING

STARR-BROWNING AIRSTRIP (8SØ) 5 NW UTC-7(-6DT) N48°36.06' W113°06.92'

GREAT FALLS
L-13C

4657 B NOTAM FILE GTF

Rwy 06-24: H4051X74 (ASPH) MIRL 0.9% up SW

SERVICE: LGT ACTIVATE MIRL Rwy 06-24—CTAF.

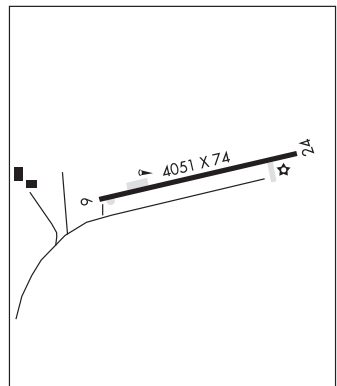
AIRPORT REMARKS: Unattended. Livestock on and in/ov arpt. Irregular snow removal.

AIRPORT MANAGER: 406-444-2506

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE CTB.

CUT BANK (L) VORTACW 114.4 CTB Chan 91 N48°33.90'
W112°20.60' 257° 30.8 NM to fld. 3791/17E.



BULLWHACKER (See WINIFRED on page 122)

BUTTE
BERT MOONEY (BTM)(KBTM) 3 SE UTC-7(-6DT) N45°57.29' W112°29.85'

5550 B LRA Class I, ARFF Index A NOTAM FILE BTM

RWY 15-33: H9001X150 (ASPH-GRVD) S-60, D-125, 2S-175, 2D-175 MIRL

RWY 15: MALSR. PAPI(P4L)—GA 3.5° TCH 55'. Rgt t/c. 0.5% up.

RWY 33: VASI(V4L)—GA 3.0° TCH 78'. Tower. 0.4% down.

RWY 12-30: H5100X75 (ASPH-GRVD) S-12.5 MIRL

RWY 12: REIL. PAPI(P2L)—GA 4.0° TCH 38'. Road.

RWY 30: REIL. PAPI(P2L)—GA 4.0° TCH 45'. Bldg.

RUNWAY DECLARED DISTANCE INFORMATION
RWY 12: TORA-5100 TODA-5100 ASDA-5100 LDA-5100

RWY 15: TORA-9001 TODA-9001 ASDA-9001 LDA-9001

RWY 30: TORA-5100 TODA-5100 ASDA-5100 LDA-5100

RWY 33: TORA-9001 TODA-9001 ASDA-9001 LDA-9001

SERVICE: S4 **FUEL** 100LL, JET A **OX** 1, 2, 3, 4 **LGT** Rwy 12 PAPI straight-in only. Rwy 33 do not use VASI byd 1.5 miles due to high terrain. PAPI rstd to 2.1 NM from Rwy 30 thld due to high terrain. MIRL Rwy 15-33 preset low into dusk-dawn, MIRL Rwy 12-30 avbl on req 0600Z to dawn. **ACTIVATE** MIRL Rwy 15-33 and Rwy 12-30, MALSR Rwy 15, PAPI Rwy 12, Rwy 15 and Rwy 30, and REIL Rwy 12 and Rwy 30—CTAF.

AIRPORT REMARKS: Attended dawn-dusk. Deer invof arpt. Snow removal ops in progress dur periods of snow. Cold temperature restricted airport. Altitude correction required at or below -19C/-2F. PPR for unscheduled air carrier ops with more than 30 pax seats call arpt mgr 406-494-3771. Rwy 12-30 rstd to acft 12,500 lbs and blo. Twy D rstd to acft 12,500 lbs or less btn Rwy 30 apch end and Rwy 15-33, and Twy D btn Rwy 12 apch end and Twy F. Rwy 12-30 from Rwy end 30 to Rwy 15-33 and from Twy F to Rwy end 12 not avbl for air carrier acft over 12,500 lbs. Fee for all com'l acft and acft over 10,000 lbs. Ldg fee.

AIRPORT MANAGER: 406-494-3771

WEATHER DATA SOURCES: ASOS 135.175 (406) 494-1870.

COMMUNICATIONS: CTAF/UNICOM 123.0

BUTTE RCO 122.2 122.4 (GREAT FALLS RADIO)

COPPERTOWN RCO 122.65 (GREAT FALLS RADIO)

SALT LAKE CENTER APP/DEP CON 132.4

AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE BTM.

COPPERTOWN (L) VORW/DME 111.6 CPN Chan 53 N46°01.92' W112°44.85' 098° 11.4 NM to fld. 5780/16E.

VOR portion unusable:

157°-275° byd 22 NM blo 16,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-100° byd 20 NM blo 15,000'

DME portion unusable:

157°-275° byd 22 NM blo 17,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-127° byd 22 NM blo 15,000'

WHITEHALL (H) VORW/DME 113.7 HIA Chan 84 N45°51.71' W112°10.18' 274° 14.8 NM to fld. 4652/18E.

VOR & DME unusable:

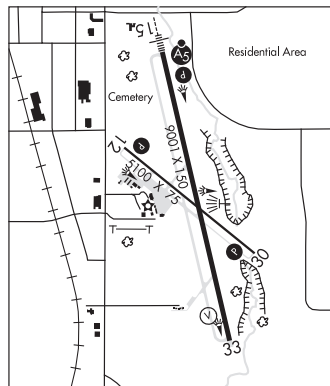
105°-160° byd 25 NM blo 17,000'

210°-230° byd 25 NM blo 17,000'

260°-310° byd 25 NM blo 17,000'

310°-330° byd 20 NM blo 17,000'

355°-050° byd 25 NM blo 15,500'

ILS/DME 110.9 I-BEY Chan 46 Rwy 15. Class IE. Unmonitored.

BUTTE N46°01.25' W112°21.47'

RCO 122.2 122.4 (GREAT FALLS RADIO)

GREAT FALLS
L-13C
CANYON FERRY (See TOWNSEND on page 118)

CAPITOL N46°36.40' W111°56.23' NOTAM FILE HLN.

NDB (HW) 335 CVP 258° 1.9 NM to Helena Rgnl. NDB unmonitored when ATCT clsd.

GREAT FALLS
L-13C

CHESTER**LIBERTY CO** (LTY)(KLTY) 1 W UTC-7(-6DT) N48°30.64' W110°59.45'

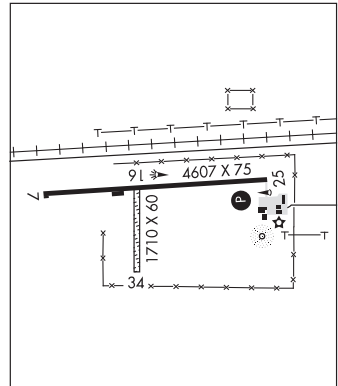
3185 B TPA—3985(800) NOTAM FILE GTF

RWY 07-25: H4607X75 (ASPH-PFC) S-12.5 MIRL 0.4% up W**RWY 25:** PAPI(P2L)—GA 3.0° TCH 39'.**RWY 16-34:** 1710X60 (TURF) 1.1% up N**SERVICE:** S4 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 07-25, PAPI Rwy 25—CTAF.**AIRPORT REMARKS:** Attended Mar–Nov Mon–Fri 1500–0000Z†, Dec–Feb irregular. Deer and antelope invof arpt. Rwy 16-34 has numerous gopher holes. Rwy 16-34 rwy ends marked with sheet metal installed on a frame fixture 2' tall painted black and yellow. Rwy 16-34 marked with white cones full length.**AIRPORT MANAGER:** (406) 265-0883**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE HVR.**HAVRE (L) VORW/DME** 111.8 HVR Chan 55 N48°32.43'

W109°46.20' 252° 48.7 NM to fld. 2583/16E.

CHESTER NDB (MHW) 323 LTY N48°30.48'

W110°58.85' at fld. NOTAM FILE GTF. VFR only.

**GREAT FALLS**
L-13C**CHINOOK****EDGAR G OBIE** (S71) 1 W UTC-7(-6DT) N48°35.53' W109°15.04'

2416 B TPA—3216(800) NOTAM FILE GTF

RWY 08-26: H4000X75 (ASPH) S-12.5 MIRL**RWY 26:** PAPI(P2L)—GA 4.0° TCH 37'.**SERVICE:** S2 **FUEL** 100LL **LGT** ACTIVATE PAPI Rwy 26—CTAF.

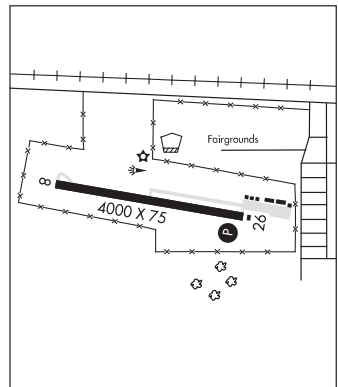
ACTIVATE MIRL Rwy 08-26 dawn–dusk—CTAF. After dusk MIRL on continuously until dawn.

AIRPORT REMARKS: Attended 1400–0200Z†, ngts call 406-357-2429.

Fuel, self service credit card 24/7.

AIRPORT MANAGER: (406) 799-6516**WEATHER DATA SOURCES:** AWOS-AV 118.35 (406) 357-3453.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE HVR.**HAVRE (L) VORW/DME** 111.8 HVR Chan 55 N48°32.43'

W109°46.20' 065° 20.9 NM to fld. 2583/16E.

**GREAT FALLS**
L-13D**HEBBELMAN** (4U4) 8 SE UTC-7(-6DT) N48°30.81' W109°03.88'

2589 NOTAM FILE GTF

RWY 04-22: 3650X50 (GRVL) RWY LGTS(NSTD) 0.4% up SW**RWY 22:** Pole.**RWY 11-29:** 2254X55 (TURF) 0.4% up SE**RWY 29:** Fence.**SERVICE:** S4 **FUEL** 100LL**AIRPORT REMARKS:** Attended continuously. Rwy 11 has abrupt gully 20' from end of rwy. Rwy 04 large 8' deep sinkhole in right side of rwy 400' from thld. Rwy 29 dirt road crosses rwy 300' byd thld. Rwy 04-22 NSTD rwy lgts. Rwy 04-22 LED and reflectors.**AIRPORT MANAGER:** (406) 438-6540**COMMUNICATIONS:** CTAF/UNICOM 122.8**GREAT FALLS**

CHOTEAU (CII)(KCH) 1 NE UTC-7(-6DT) N47°49.70' W112°10.10'
3947 B NOTAM FILE GTF

RWY 14-32: H5001X75 (ASPH) S-16 MIRL

RWY 14: PAPI(P2L)—GA 3.0° TCH 23'.

RWY 32: PAPI(P2L)—GA 3.0° TCH 25'.

RWY 05-23: H3700X60 (ASPH) S-12.5 MIRL

RWY 05: PAPI(P2L)—GA 3.0° TCH 25'.

RWY 23: PAPI(P2L)—GA 3.0° TCH 23'. Road.

SERVICE: FUEL 100LL, JET A+ LGT ACTIVATE MIRL Rwy 05-23 and Rwy 14-32, PAPI Rwy 05 and Rwy 23 and Rwy 14 and Rwy 32-122.8.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z±. 100LL 24/7 self svc.

Jet A+ full svc call out only.

AIRPORT MANAGER: 406-466-3337

WEATHER DATA SOURCES: AWOS-2 130.050 (406) 466-2259.

COMMUNICATIONS: CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 133.4

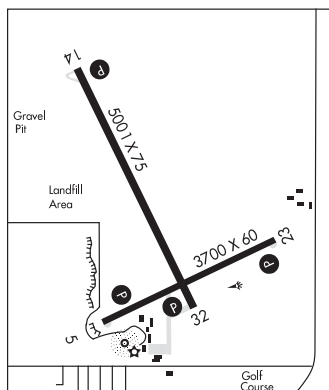
RADIO AIDS TO NAVIGATION: NOTAM FILE GTF.

GREAT FALLS (H) VORTACW 115.1 GTF Chan 98 N47°27.00'

W111°24.73' 291° 38.2 NM to fld. 3672/16E.

NDB (MHW) 269 CII N47°49.35' W112°10.27' at fld.

GREAT FALLS
H-1D, L-13C
IAP



CIRCLE TOWN CO (4U6) 1 E UTC-7(-6DT) N47°25.10' W105°33.65'
2441 B NOTAM FILE GTF

RWY 12-30: H4100X75 (ASPH) S-12.5 MIRL 0.4% up SE

RWY 12: PAPI(P2L)—GA 3.0° TCH 25'.

RWY 30: PAPI(P2L)—GA 3.0° TCH 21'.

RWY 03-21: 2280X195 (TURF)

SERVICE: S4 FUEL 100LL LGT ACTIVATE MIRL Rwy 12-30 and PAPI Rwy 12 and Rwy 30—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z±. Rwy 03-21 clsd winter months. Rwy 03-21 unusable in wet wx. Rwy 03-21 thld marked with red cones. Rwy 03-21 is rough, with long grass.

AIRPORT MANAGER: 406-485-2481

COMMUNICATIONS: CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 126.85

RADIO AIDS TO NAVIGATION: NOTAM FILE MLS.

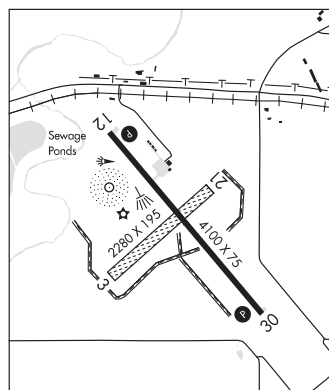
MILES CITY (H) VORW/DME 112.1 MLS Chan 58 N46°22.93'

W105°57.21' 359° 64.3 NM to fld. 2666/15E.

NDB (HW) 245 CRR N47°25.21'

W105°33.94' at fld. NOTAM FILE GTF. VFR only.

BILLINGS
L-13E
IAP



CLINTON

ROCK CREEK (RCØ) 3 SE UTC-7(-6DT) N46°43.63' W113°39.46'
3547 NOTAM FILE GTF

RWY 07-25: 4100X75 (TURF)

RWY 07: Hill. Rgt ttc.

RWY 25: Rgt ttc.

AIRPORT REMARKS: Unattended. Snow removal irregular. Rwy 07-25 tall weeds and clump grass full length of rwy. White cones full length of rwy. Trees and terrain in transition sfc both sides of rwy.

AIRPORT MANAGER: 406-444-2506

COMMUNICATIONS: CTAF 122.9

GREAT FALLS

COLSTRIP (M46) 3 SW UTC-7(-6DT) N45°51.17' W106°42.56'

3428 B NOTAM FILE GTF

RWY 06-24: H5100X75 (ASPH) S-12.5 MIRL 0.9% up SW**RWY 06:** PAPI(P2L)—GA 3.0° TCH 24'.**RWY 24:** PAPI(P2L)—GA 3.0° TCH 24'.**SERVICE:** LGT MIRL Rwy 06-24 preset low ints dusk-0800Z†, after 0800Z† ACTIVATE—CTAF.**AIRPORT REMARKS:** Attended on call. Cold temperature restricted airport.

Altitude correction required at or below -31C/-24F. Phone avbl on arpt.

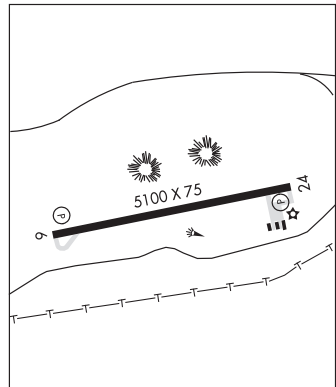
AIRPORT MANAGER: 406-748-3222**WEATHER DATA SOURCES:** AWOS-AV 122.7 (406) 748-3849. 3 microphone clicks are req to actvt AWOS info on 122.7 mhz.**COMMUNICATIONS:** CTAF/UNICOM 122.7**SALT LAKE CENTER APP/DEP CON** 127.75**RADIO AIDS TO NAVIGATION:** NOTAM FILE MLS.**MILES CITY (H) VORW/DME** 112.1 MLS Chan 58 N46°22.93'

W105°57.21' 210° 44.8 NM to fld. 2666/15E.

BILLINGS

H-1E, 2G, L-13D

IAP

**COLUMBUS****WOLTERMANN MEM** (6S3) 0 SE UTC-7(-6DT) N45°37.83' W109°14.35'

3575 B NOTAM FILE GTF

RWY 10-28: H3814X75 (ASPH) S-12.5 MIRL 0.4% up W**RWY 28:** PAPI(P2R)—GA 3.0° TCH 27'.**SERVICE:** S4 FUEL 100LL LGT ACTIVATE MIRL Rwy 10-28 and PAPI Rwy 28—CTAF.**AIRPORT REMARKS:** Attended Mon-Fri 1500-0000Z†. Migratory waterfowl on and invof arpt.**AIRPORT MANAGER:** 406-780-0034**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE BIL.**BILLINGS (H) VORTACW** 114.5 BIL Chan 92 N45°48.51' W108°37.48' 234° 28.0 NM to fld. 3811/14E.**GREAT FALLS**

L-13D

CONDON USFS (S04) 1 NW UTC-7(-6DT) N47°32.33' W113°43.22'

3686 NOTAM FILE GTF

RWY 13-31: 2575X135 (TURF)**RWY 13:** Trees.**RWY 31:** Trees.**AIRPORT REMARKS:** Unattended. No snow removal. Trees in all transitional sfcs. Rwy 13-31 measured from Rwy 31 marked thld to end of Rwy 13 maintained area. Rwy 13-31 has white cones marking full length of rwy. Rwy 31 thld marked with white cement.**AIRPORT MANAGER:** 406-754-2295**COMMUNICATIONS:** CTAF 122.9**GREAT FALLS****CONNER****WEST FORK LODGE** (4U7) 5 SW UTC-7(-6DT) N45°51.74' W114°13.07'

4249 NOTAM FILE GTF

RWY 02-20: 2600X65 (TURF-GRVL) 0.7% up S**RWY 02:** Tree.**RWY 20:** Road.**SERVICE:** FUEL 100LL**AIRPORT REMARKS:** Attended continuously. Rwy 02-20 plowed winter months. Intermittent snow removal check with mgr for conditions. Livestock, birds and wildlife invof arpt. Steep terrain surrounding arpt. Recommended tkf Rwy 20 when conditions allow.**AIRPORT MANAGER:** (406) 821-1853**COMMUNICATIONS:** CTAF 122.9**GREAT FALLS**

CONRAD (SØ1) 1 W UTC-7(-6DT) N48°10.09' W111°58.58'
3545 B NOTAM FILE GTF

GREAT FALLS
L-13C
IAP

RWY 06-24: H4601X75 (ASPH) S-12.5 MIRL 0.4% up SW

RWY 06: P-line.

RWY 24: REIL. PAPI(P2L)—GA 3.0° TCH 27'.

RWY 15-33: 2800X100 (TURF)

SERVICE: FUEL 100LL LGT MIRL Rwy 06-24, PAPI and REIL Rwy 24
opr dusk-0600Z†. After 0600Z† ACTIVATE MIRL Rwy 06-24, PAPI
Rwy 24 and REIL Rwy 24—CTAF.

AIRPORT REMARKS: Unattended. For fuel call 406-788-5790,
406-450-1620, 406-278-3380 or 406-450-3332. Rwy 15-33
marked with plastic cones full length.

AIRPORT MANAGER: (406) 450-1620

COMMUNICATIONS: CTAF/AUNICOM 122.8

CUT BANK RCO 122.2 (GREAT FALLS RADIO)

SALT LAKE CENTER APP/DEP CON 133.4

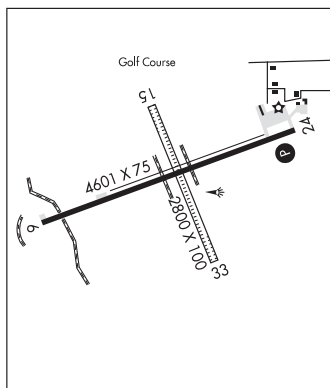
RADIO AIDS TO NAVIGATION: NOTAM FILE CTB.

CUT BANK (L) VORTACW 114.4 CTB Chan 91 N48°33.90'

W112°20.60' 131° 28.0 NM to fld. 3791/17E.

NDB (MHW) 293 CRD N48°11.14'

W111°54.85' 234° 2.7 NM to fld. NOTAM FILE GTF.



COPPERTOWN N46°01.92' W112°44.85' NOTAM FILE BTM.

GREAT FALLS
L-13C

(L) **VORW/DME** 111.6 CPN Chan 53 309° 8.8 NM to Bowman Fld. 5780/16E.

VOR portion unusable:

157°-275° byd 22 NM blo 16,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-100° byd 20 NM blo 15,000'

DME portion unusable:

157°-275° byd 22 NM blo 17,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-127° byd 22 NM blo 15,000'

RCO 122.65 (GREAT FALLS RADIO)

COW CREEK (See WINIFRED on page 122)

CULBERTSON

BIG SKY FLD (S85) 1 NE UTC-7(-6DT) N48°09.21' W104°30.24'

BILLINGS
L-13E

1953 B NOTAM FILE GTF

RWY 08-26: H3800X60 (ASPH) S-12.5 MIRL 0.5% up W

RWY 26: PAPI(P2L)—GA 3.0° TCH 27'.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 08-26 and PAPI Rwy
26—CTAF.

AIRPORT REMARKS: Unattended. On call all hrs 406-787-6680/0660. Fuel,
self service credit card 24/7.

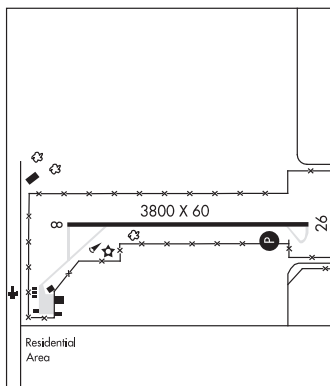
AIRPORT MANAGER: 406-787-5271

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE ISN.

WILLISTON (L) VORW/DME 116.3 ISN Chan 110 N48°15.21'

W103°45.04' 247° 30.8 NM to fld. 2372/12E. **HIWAS.**



CUT BANK INTL (CTB)(KCTB) 3 SW UTC-7(-6DT) N48°36.50' W112°22.57'

3857 B AOE NOTAM FILE CTB

RWY 05-23: H5302X75 (ASPH) S-28, D-40, 2D-60 MIRL

0.3% up SW

RWY 23: PAPI(P2L)—GA 3.0° TCH 39'.**RWY 14-32:** H5300X75 (ASPH-PFC) S-12 MIRL 0.3% up NW**RWY 32:** REIL. VASI(V4L)—GA 3.0° TCH 42'.**SERVICE:** S4 FUEL 100LL, JET A LGT VASI Rwy 32 on 24 hrs. ACTIVATE

MIRL Rwy 05-23 and Rwy 14-32, PAPI Rwy 23, REIL Rwy 32—CTAF.

AIRPORT REMARKS: Attended 1530-0030Z. For fuel after hrs call 406-873-8683 or 406-229-0376 cell. AG acft ops from Apr-Aug. 24 hr cstm avbl on call-out 406-335-9610 ext 314. Flight Notification Service (ADCUS) avbl.**AIRPORT MANAGER:** 406-873-8683**WEATHER DATA SOURCES:** ASOS 119.025 (406) 873-2939.**COMMUNICATIONS:** CTAF/UNICOM 123.0

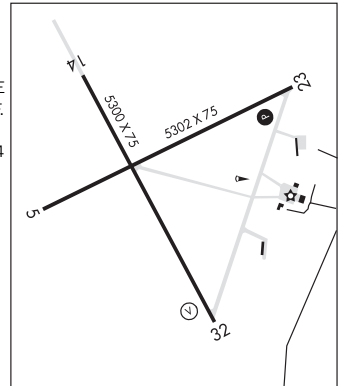
RCO 122.2 (GREAT FALLS RADIO)

SALT LAKE CENTER APP/DEP CON 133.4

AIRSPACE: CLASS E**RADIO AIDS TO NAVIGATION:** NOTAM FILE CTB.

(L) VORTACW 114.4 CTB Chan 91 N48°33.90'

W112°20.60' 316° 2.9 NM to fld. 3791/17E.



GREAT FALLS

H-1D, L-13C

IAP

DAWSON COMMUNITY (See GLENDIVE on page 92)**DEER LODGE-CITY-COUNTY** (38S) 2 W UTC-7(-6DT) N46°23.27' W112°45.90'

4693 B NOTAM FILE GTF

RWY 13-31: H5800X75 (ASPH) S-50, D-75 MIRL 1.1% up NW**RWY 13:** PAPI(P2L)—GA 3.22° TCH 35'.**RWY 31:** PAPI(P2L)—GA 2.72° TCH 25'.**SERVICE:** FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 13-31 and PAPI

Rwy 13 and Rwy 31—CTAF.

AIRPORT REMARKS: Unattended. Single wheel apron weight bearing capacity 30,000 lbs for southwest apron, 50,000 lbs for northeast apron, twy to northeast apron 50,000 lbs.**AIRPORT MANAGER:** 406-490-3071**WEATHER DATA SOURCES:** AWOS-AV 120.025 (406) 846-1177.**COMMUNICATIONS:** CTAF 122.9

SALT LAKE CENTER APP/DEP CON 133.4

RADIO AIDS TO NAVIGATION: NOTAM FILE BTM.**COPPERTOWN (L) VORW/DME** 111.6 CPN Chan 53 N46°01.92'

W112°44.85' 342° 21.4 NM to fld. 5780/16E.

VOR portion unusable:

157°-275° byd 22 NM blo 16,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-100° byd 20 NM blo 15,000'

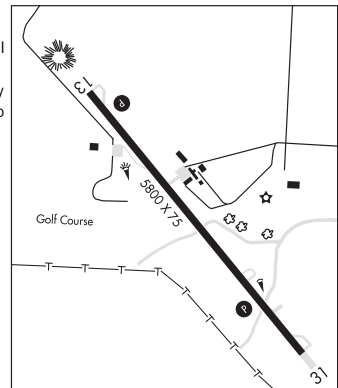
DME portion unusable:

157°-275° byd 22 NM blo 17,000'

185°-200° byd 30 NM

218°-225° byd 30 NM

346°-127° byd 22 NM blo 15,000'



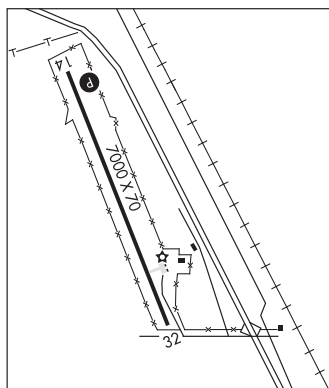
GREAT FALLS

H-1D, L-13C

IAP

DELL FLIGHT STRIP (4U9) 1 NW UTC-7(-6DT) N44°44.15' W112°43.18'

6007 B NOTAM FILE GTF

RWY 14-32: H7000X70 (ASPH) MIRL 0.7% up SE**RWY 14:** PAPI(P2L)—GA 3.5° TCH 30'.**RWY 32:** Road.**SERVICE:** LGT ACTIVATE MIRL Rwy 14-32 and PAPI Rwy 14—CTAF.**AIRPORT REMARKS:** Unattended. Deer on and in/ov arpt. Rwy 14-32 large cracks with protruding weeds throughout rwy sfc. Snow removal irregular. Rwy 14-32 marked with numbers only. Numbers NSTD size and faded.**AIRPORT MANAGER:** 406-444-2506**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE BOI.**DUBOIS (H) VORTACW** 116.9 DBS Chan 116 N44°05.33' W112°12.56' 316° 44.6 NM to fld. 4920/15E.**GREAT FALLS**
H-1D, L-13C**DENTON** (5UØ) 0 S UTC-7(-6DT) N47°19.25' W109°56.52'

3594 NOTAM FILE GTF

RWY 09-27: 2550X180 (TURF) 0.3% up W**RWY 09:** Fence.**RWY 27:** Road.**AIRPORT REMARKS:** Unattended. Waterfowl and migratory bird flocks common around sewage lagoons located immediately north of Rwy 27 thld.**AIRPORT MANAGER:** 406-899-9310**COMMUNICATIONS:** CTAF 122.9**GREAT FALLS****DILLON** (DLN)(KDLN) 4 NE UTC-7(-6DT) N45°15.32' W112°33.15'

5245 B NOTAM FILE DLN

RWY 17-35: H6501X75 (ASPH) S-60, D-75 MIRL 1.4% up S**RWY 17:** PAPI(P2L)—GA 3.0° TCH 37'.**RWY 35:** PAPI(P2L)—GA 3.0° TCH 24'. Fence.**RWY 04-22:** H3600X60 (ASPH) S-12.5 MIRL**RWY 04:** Road.**RWY 22:** PAPI(P2L)—GA 3.0° TCH 30'. Ground.**SERVICE:** S4 FUEL 100LL, JET A, A1+ LGT ACTIVATE MIRL Rwy 17-35 and Rwy 04-22; PAPI Rwy 17 and Rwy 22 and Rwy 35—CTAF.**AIRPORT REMARKS:** Attended 1500-0000Z. For arpt attendant after hrs call 406-683-5242 or 406-250-5280. Cold temperature restricted airport. Altitude correction required at or below -18C/0F. Rwy visibility blocked by hangars/buildings on Rwy 17, confirm presence of other act prior to tkt. All departures prohibited on Rwy 04 due to rwy visibility blocked by hangars/buildings.**AIRPORT MANAGER:** 406-683-5242**WEATHER DATA SOURCES:** ASOS 135.225 (406) 683-5470.**COMMUNICATIONS:** CTAF/UNICOM 122.8

RCO 122.15 (GREAT FALLS RADIO)

SALT LAKE CENTER APP/DEP CON 132.4

AIRSPACE: CLASS E**RADIO AIDS TO NAVIGATION:** NOTAM FILE DLN.**(H) VORW/DME** 113.0 DLN Chan 77 N45°14.91' W112°32.83' at fld. 5257/18E.

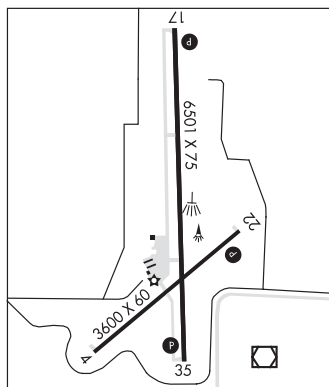
DME portion unusable:

045°-090° byd 30 NM blo 11,700'

090°-140° byd 30 NM blo 12,600'

140°-180° byd 30 NM blo 11,500'

275°-290° byd 30 NM blo 12,500'

**GREAT FALLS**
H-1D, L-13C
IAP

DRUMMOND (M26) 3 SW UTC-7(-6DT) N46°37.25' W113°12.30'
 4245 NOTAM FILE GTF
RWY 07-25: 2400X125 (TURF)
RWY 07: Road.
RWY 25: Fence.

AIRPORT REMARKS: Unattended. Rwy 07-25 extremely soft when wet. Snow removal irregular. Rwy 07-25 is a little rough due to bunch grass and rodent holes. Rwy 07-25 marked with white cones full rwy length.

AIRPORT MANAGER: 406-288-3564

COMMUNICATIONS: CTAF 122.9

RCO 122.25 (GREAT FALLS RADIO)

GREAT FALLS

DUTTON (5U1) 1 E UTC-7(-6DT) N47°50.83' W111°41.90'
 3699 B NOTAM FILE GTF

RWY 16-34: H3130X115 (ASPH-TURF) LIRL(NSTD) 1.1% up S

AIRPORT REMARKS: Unattended. Snow removal intermittent. Rwy 16-34 2430X40 asph strip south end center portion followed by 800X115 turf. Rwy 16 thld marked with yellow corrugated tin panels. Rwy 16-34 NSTD LIRL. Rwy edge lgts dsplcd from Rwy 34 70' right, 55' left from rwy centerline. 2750' of rwy lgtd for ngt ops from dusk til dawn.

AIRPORT MANAGER: 406-476-3332

COMMUNICATIONS: CTAF 122.9

GREAT FALLS

EDGAR G OBIE (See CHINOOK on page 81)

EKALAKA (97M) 2 SE UTC-7(-6DT) N45°52.59' W104°32.26'
 3503 B NOTAM FILE GTF
RWY 13-31: H3801X75 (ASPH) S-12.5 MIRL 0.8% up SE
RWY 13: PAPI(P2L)—GA 3.0° TCH 24'.
RWY 31: PAPI(P2L)—GA 3.0° TCH 29'.

SERVICE: FUEL 100LL LGT MIRL Rwy 13-31 and PAPI Rwy 13 and Rwy 31 preset medium ints dusk-0700Z, other hrs ACTIVATE—CTAF.

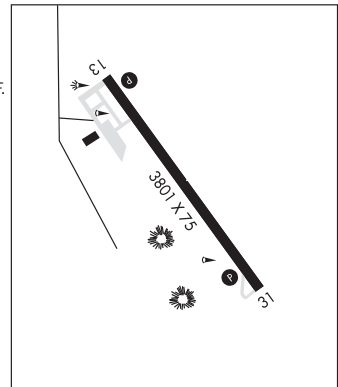
AIRPORT REMARKS: Unattended. Fuel avbl self svc credit card 24/7. Bcn is located 3/4 mile NE on hill top.

AIRPORT MANAGER: 406-775-6541

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE MLS.

MILES CITY (H) VORW/DME 112.1 MLS Chan 58 N46°22.93'
 W105°57.21' 102° 66.4 NM to fld. 2666/15E.

BILLINGS
L-13E

ENNIS — BIG SKY (EKS)(KEKS) 6 SE UTC-7(-6DT) N45°16.46' W111°38.93'
5423 B NOTAM FILE GTF

GREAT FALLS
H-1D, L-13C
IAP

RWY 16-34: H6601X75 (ASPH) S-12.5, D-18 MIRL 1.1% up N

RWY 16: PAPI(P2L)—GA 3.0° TCH 37'. Rgt tfc.

RWY 34: PAPI(P2L)—GA 3.0° TCH 36'. Ground.

SERVICE: S2 **FUEL** 100LL, JET A1, A1+ **LGT** PAPI Rwy 16 and Rwy 34 opr continuously. **ACTIVATE** MIRL Rwy 16-34—CTAF.

AIRPORT REMARKS: Attended 1400-0000Z†. For svc after hrs call 406-682-7502. After hrs credit card fueling. Afd sfc cond unmonitored 0400-1300Z†. De-icing type 1 available. Cold temperature restricted airport. Altitude correction required at or below -15C/5F.

AIRPORT MANAGER: 406-682-7502

WEATHER DATA SOURCES: AWOS-3 119.85 (406) 682-3835.

COMMUNICATIONS: CTAF/UNICOM 122.8

BIG SKY APP/DEP CON 118.975

SALT LAKE CENTER APP/DEP CON 118.975

RADIO AIDS TO NAVIGATION: NOTAM FILE BZN.

BOZEMAN (H) VORW/DME 112.4 BZN Chan 71 N45°47.03'

W111°09.33' 196° 37.0 NM to fld. 4436/18E.

VOR portion unusable:

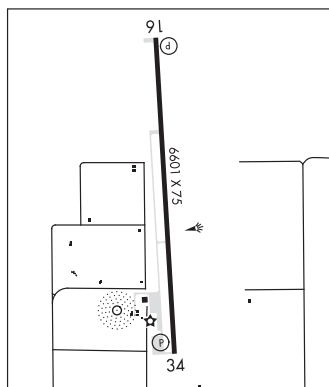
360°-105° byd 20 NM

DME portion unusable:

350°-105° byd 20 NM

NDB (MHW) 286 EKS N45°16.07' W111°39.16' at fld. NOTAM FILE GTF. VFR only.

COMM/NAV/WEATHER REMARKS: To obtain or cancel IFR Clnc on the gnd btn 1300-0715Z† ctc Big Sky App 1-208-364-5860, other times ctc flt svcs 1-888-766-8267.



EUREKA (88M) 5 N UTC-7(-6DT) N48°58.11' W115°04.77'
2672 B NOTAM FILE GTF

GREAT FALLS
L-13B

RWY 01-19: H4200X75 (ASPH) S-12.5 0.4% up N

RWY 01: PAPI(P2L)—GA 3.0° TCH 40'.

RWY 19: PAPI(P2L)—GA 3.0° TCH 40'.

SERVICE: **FUEL** 100LL **LGT** Rwy 01-19 strobe. **ACTIVATE** strobe Rwy 01-19 and PAPI Rwy 01 and Rwy 19—CTAF.

AIRPORT REMARKS: Attended on call. Ultralights on and invof arpt. Fuel 24 hr self svc credit card, 406-889-5174 if necessary.

AIRPORT MANAGER: 406-889-5174

WEATHER DATA SOURCES: AWOS-AV 118.375 (406) 889-3366.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE FCA.

KALISPELL (H) VORW/DME 113.2 FCA Chan 79 N48°12.85'

W114°10.55' 304° 57.8 NM to fld. 2984/18E.

VOR/DME unusable:

010°-070° byd 10 NM

160°-280° byd 30 NM blo 13,000'

350°-010° byd 10 NM blo 23,000'

VOR unusable:

070°-088° byd 20 NM blo 16,000'

088°-113° byd 22 NM blo 13,000'

088°-113° byd 35 NM blo 16,000'

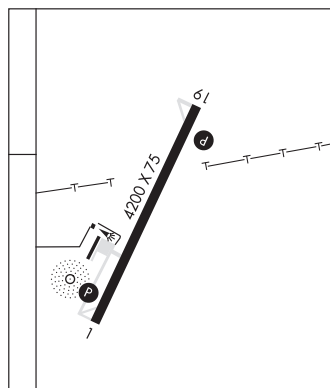
DME unusable:

070°-113° byd 20 NM blo 16,000'

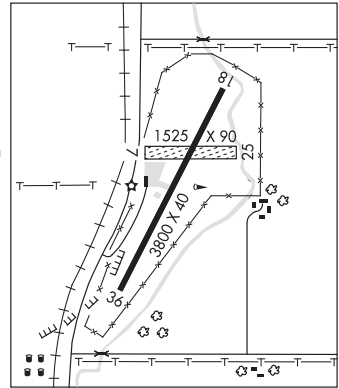
070°-113° byd 37 NM

NDB (MHW) 392 EUR N48°57.96' W115°05.06' at fld. NOTAM FILE GTF. VFR only.

COMM/NAV/WEATHER REMARKS: Wx station on arpt, 118.375, 3 clicks.



FAIRFIELD (5U5) 1 N UTC-7(-6DT) N47°38.03' W111°58.87'
 3991 B NOTAM FILE GTF
Rwy 18-36: H3800X40 (ASPH) LIRL(NSTD)
Rwy 07-25: 1525X90 (TURF) 0.6% up W
Rwy 07: Fence.
Rwy 25: Fence.
SERVICE: LGT Rwy 18-36 LIRL OTS indefinitely. ACTIVATE NSTD LIRL Rwy 18-36—CTAF.
AIRPORT REMARKS: Unattended. Snow removal intermittent. Thld lgts set back 2' from paved thld. Rwy 18-36 NSTD LIRL, lgts spaced 27' from rwy edges both sides.
AIRPORT MANAGER: 406-590-2836
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE GTF.
GREAT FALLS (H) VORTACW 115.1 GTF Chan 98 N47°27.00' W111°24.73' 280° 25.6 NM to fld. 3672/16E.



GREAT FALLS
 L-13C

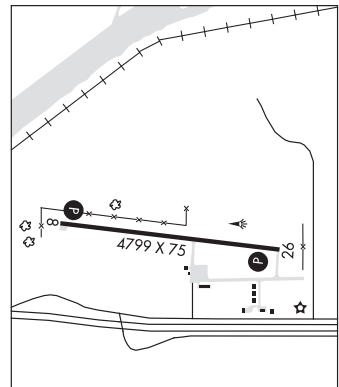
FAIRVIEW (5U6) 1 NW UTC-7(-6DT) N47°51.75' W104°04.29'
 2152 NOTAM FILE GTF
Rwy 08-26: 3000X95 (TURF) 0.5% up W
AIRPORT REMARKS: Unattended. For arpt conditions or snow removal ctc arpt manager 406-433-2415. Rwy 08-26 marked with white cones spaced 200' apart. Thlds marked with white cones.
AIRPORT MANAGER: 406-433-2415
COMMUNICATIONS: CTAF 122.9

BILLINGS

FERNDAL AIRFIELD (See BIGFORK on page 76)

FORSYTH

TILLITT FLD (1S3) 3 E UTC-7(-6DT) N46°16.27' W106°37.43'
 2729 B NOTAM FILE GTF
Rwy 08-26: H4799X75 (ASPH) S-12, D-16 MIRL
Rwy 08: PAPI(P2L)—GA 3.0° TCH 29'.
Rwy 26: PAPI(P2L)—GA 3.0° TCH 29'.
SERVICE: S4 LGT MIRL Rwy 08-26 operates dusk-0500Z†, after 0500Z† ACTIVATE—CTAF. ACTIVATE PAPI Rwy 08 and Rwy 26—CTAF.
AIRPORT REMARKS: Attended irregularly.
AIRPORT MANAGER: 406-346-7129
WEATHER DATA SOURCES: AWOS-AV 122.8 (406) 346-2571.
COMMUNICATIONS: CTAF/UNICOM 122.8
 122.2 255.4 (GREAT FALLS RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE MLS.
MILES CITY (H) VORW/DME 112.1 MLS Chan 58 N46°22.93' W105°57.21' 242° 28.7 NM to fld. 2666/15E.
FORSYTH NDB (MHW) 236 FOR N46°16.06' W106°30.91' 264° 4.5 NM to fld. NOTAM FILE GTF.



BILLINGS
 L-13D
 IAP

FORSYTH N46°16.06' W106°30.91' NOTAM FILE GTF.
NDB (MHW) 236 FOR 264° 4.5 NM to Tillitt Fld.

BILLINGS
 L-13E

FORT BELKNAP AGENCY (See HARLEM on page 95)

FORT BENTON (79S) 1 NE UTC-7(-6DT) N47°50.71' W110°38.19'

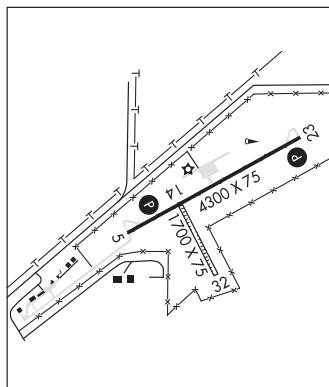
2869 B NOTAM FILE GTF

RWY 05-23: H4300X75 (ASPH) S-12.5 MIRL**RWY 05:** PAPI(P2L)—GA 3.0° TCH 40'.**RWY 23:** PAPI(P2L)—GA 3.0° TCH 40'.**RWY 14-32:** 1700X75 (DIRT)**SERVICE:** S4 FUEL 100LL LGT ACTIVATE MIRL Rwy 05-23 and PAPI Rwy 05 and Rwy 23—CTAF.**AIRPORT REMARKS:** Unattended. Check with mgr as fuel not avbl at all times.

Or contact Andy Taylor 406-622-5682. For svcs call 406-622-3489.

AIRPORT MANAGER: 406-622-3489**WEATHER DATA SOURCES:** AWOS-A 122.8 (406) 622-5976.**COMMUNICATIONS:** CTAF/UNICOM 122.8

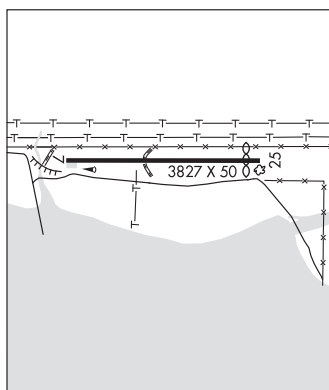
® SALT LAKE CENTER APP/DEP CON 133.4

RADIO AIDS TO NAVIGATION: NOTAM FILE GTF.**GREAT FALLS (H) VORTACW** 115.1 GTF Chan 98 N47°27.00' W111°24.73' 037° 39.4 NM to fld. 3672/16E.**GREAT FALLS****L-13C****IAP****FORT PECK** (37S) 1 W UTC-7(-6DT) N48°00.29' W106°28.67'

2290 NOTAM FILE GTF

RWY 12-30: 4100X125 (TURF)**RWY 12:** Thld dsplcd 580'. Tree.**RWY 30:** Thld dsplcd 640'. Bldg.**RWY 05-23:** 2700X100 (TURF) 1.6% up SW**RWY 05:** Trees.**SERVICE:** FUEL 100LL**AIRPORT REMARKS:** Unattended. For fuel call 406-228-2433 or 406-228-4848. Ultralights on and invof arpt.**AIRPORT MANAGER:** 406-263-1154**COMMUNICATIONS:** CTAF 122.9**BILLINGS****FORT SMITH LANDING STRIP** (5U7) 1 N UTC-7(-6DT) N45°19.25' W107°55.87'

3242 NOTAM FILE GTF

RWY 07-25: H3827X50 (ASPH) S-8**RWY 07:** P-line.**RWY 25:** Thld dsplcd 140'. P-line.**AIRPORT REMARKS:** Unattended. Wildlife on and invof rwy. Rwy 25 dsplcd markings yellow.**AIRPORT MANAGER:** (406) 666-3318**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE BIL.**BILLINGS (H) VORTACW** 114.5 BIL Chan 92 N45°48.51' W108°37.48' 121° 41.4 NM to fld. 3811/14E.**BILLINGS****L-13D****FRANK WILEY FLD** (See MILES CITY on page 105)

GARDINER (29S) 2 NW UTC-7(-6DT) N45°03.00' W110°44.80'
 5286 NOTAM FILE GTF
Rwy 10-28: H3200X55 (ASPH-AFSC) S-4
Rwy 10: Rgt tfc.
Rwy 28: Hill.

SERVICE: FUEL 100LL, JET A **LGT** Rwy 10-28 lgts for emerg use only.
 ACTIVATE LIRL Rwy 10-28—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z†. No centerline marking Rwy 10-28.

AIRPORT MANAGER: 406-848-7539

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE LVM.

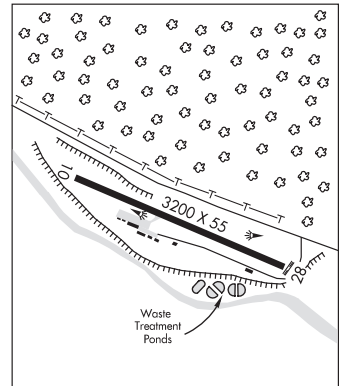
LIVINGSTON (H) VOR/DME 116.1 LVM Chan 108 N45°42.15'
 W110°26.55' 183° 41.2 NM to fld. 4653/15E.

VOR/DME unusable:

100°-190° byd 15 NM

255°-280° byd 20 NM

345°-041° byd 15 NM

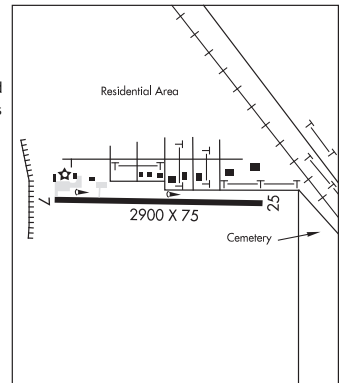


GERALDINE (5U8) 0 S UTC-7(-6DT) N47°35.79' W110°15.97'
 3178 B NOTAM FILE GTF
Rwy 07-25: H2900X75 (ASPH) 1.2% up W
Rwy 07: Ground.
Rwy 25: Tree.

AIRPORT REMARKS: Unattended. Rwy 07-25 no pavement markings. Marked +31' p-line 1400' from Rwy 25 end. Rwy 07-25 has large amounts of asph spalling, ruts, and large cracks with weeds growing through.

AIRPORT MANAGER: 406-737-4278

COMMUNICATIONS: CTAF/UNICOM 122.8



GLACIER PARK INTL (See KALISPELL on page 100)

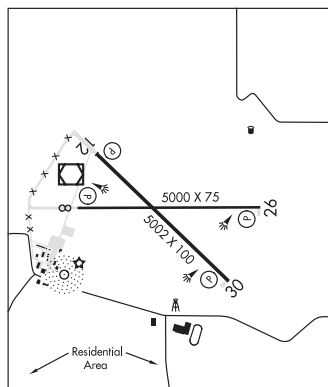
GLASGOW**WOKAL FLD/GLASGOW INTL** (GGW)(KGGW) 1 NE UTC-7(-6DT) N48°12.75' W106°36.89'**BILLINGS****H-1E, 2G, L-13D****IAP, AD**

2296 B NOTAM FILE GGW

RWY 12-30: H5002X100 (ASPH-GRVD) S-75, D-90.9, 2S-89, 2D-99.9 MIRL**RWY 12:** REIL. PAPI(P4L)—GA 3.0° TCH 40'.**RWY 30:** REIL. PAPI(P4L)—GA 3.0° TCH 40'.**RWY 08-26:** H5000X75 (ASPH-GRVD) S-25, D-45, 2D-75 MIRL**RWY 08:** REIL. PAPI(P2L)—GA 3.0° TCH 30'.**RWY 26:** REIL. PAPI(P2L)—GA 3.0° TCH 32'.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 08:** TORA-5000 TODA-5000 ASDA-5000 LDA-5000**RWY 12:** TORA-5001 TODA-5001 ASDA-5001 LDA-5001**RWY 26:** TORA-5000 TODA-5000 ASDA-5000 LDA-5000**RWY 30:** TORA-5001 TODA-5001 ASDA-5001 LDA-5001**SERVICE:** S4 FUEL 100, JET A1+ **OX** 1, 2, 3, 4 **LGT** PAPI Rwy 8, Rwy 12, Rwy 26 and Rwy 30 opr 24 hrs. **ACTIVATE** MIRL Rwy 08-26 and Rwy 12-30, REIL Rwy 08, Rwy 12, Rwy 26 and Rwy 30—CTAF.**AIRPORT REMARKS:** Attended 1300-0300Z†. Afld sfc conds unmonitored 0300-1300Z†. For svc after hrs phone 406-228-4023. After hrs credit card fueling. Flt Notification Svc (ADCUS) avbl.**AIRPORT MANAGER:** (406) 228-2719**WEATHER DATA SOURCES:** ASOS 135.175 (406) 228-8294.**COMMUNICATIONS:** CTAF/UNICOM 122.8

GLASGOW RCO 122.25 (GREAT FALLS RADIO)

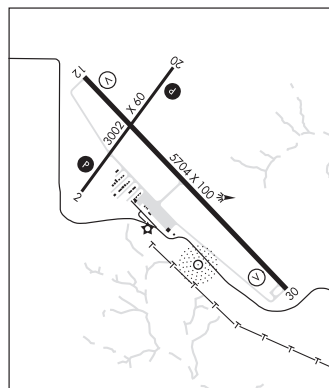
SALT LAKE CENTER APP/DEP CON 126.85

AIRSPACE: CLASS E**RADIO AIDS TO NAVIGATION:** NOTAM FILE GGW.**GLASGOW (H) VORW/DME** 113.9 GGW Chan 86 N48°12.92' W106°37.53' at fld. 2283/14E.**MILK RIVER NDB (HW)** 339 MKR N48°12.47' W106°37.57' at fld.**GLENVIEW****DAWSON COMMUNITY** (GDV)(KGDV) 4 NW UTC-7(-6DT) N47°08.32' W104°48.43'**BILLINGS****H-1F, 2H, L-13E****IAP, AD**

2458 B NOTAM FILE GDV

RWY 12-30: H5704X100 (ASPH-GRVD) S-38, D-50 MIRL**RWY 12:** VASI(V4L)—GA 3.0° TCH 37'.**RWY 30:** VASI(V4L)—GA 3.0° TCH 37'.**RWY 02-20:** H3002X60 (ASPH) MIRL**RWY 02:** PAPI(P2L)—GA 3.0° TCH 26'.**RWY 20:** PAPI(P2L)—GA 3.0° TCH 24'.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 02:** TORA-3002 TODA-3002 ASDA-3002 LDA-3002**RWY 12:** TORA-5704 TODA-5704 ASDA-5704 LDA-5704**RWY 20:** TORA-3002 TODA-3002 ASDA-3002 LDA-3002**RWY 30:** TORA-5704 TODA-5704 ASDA-5704 LDA-5704**SERVICE:** S2 FUEL 100LL, JET A+ **LGT** **ACTIVATE** MIRL Rwy 02-20 and Rwy 12-30, PAPI Rwy 02 and Rwy 20—CTAF. VASI Rwy 12 and Rwy 30 opr continuously.**AIRPORT REMARKS:** Attended 1430-0130Z†. Afld sfc conds unmonitored Nov-May 0800-1800Z†.**AIRPORT MANAGER:** 406-989-2054**WEATHER DATA SOURCES:** AWOS-3 135.075 (406) 687-3346.**COMMUNICATIONS:** CTAF/UNICOM 122.8

RCO 122.55 (GREAT FALLS RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE MLS.**MILES CITY (H) VORW/DME** 112.1 MLS Chan 58 N46°22.93' W105°57.21' 031° 65.6 NM to fld. 2666/15E.**GLENVIEW NDB (HW)** 410 GDV N47°08.00' W104°48.28' at fld. NOTAM FILE GDV.

GREAT FALLS INTL (GTF)(KGTF) P (ANG) 3 SW UTC-7(-6DT) N47°28.96' W111°22.24'

GREAT FALLS

3680 B TPA-4480(800) AOE ARFF Index—See Remarks NOTAM FILE GTF

H-1E, L-13C

RWY 03-21: H10502X150 (ASPH-GRVD) S-150, D-173, 2S-175,

IAP, AD

2D-331, 2D/D1-555, 2D/2D2-555 HIRL CL

RWY 03: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 70'. RVR-TMR Road.

RWY 21: REIL. PAPI(P4R)—GA 3.0° TCH 75'. 0.3% up.

RWY 16-34: H5722X150 (ASPH-PFC) S-95, D-120, 2S-152,

2D-190 HIRL 0.5% up S

RWY 16: Thld dspcd 652'.

RWY 34: PAPI(P4L)—GA 3.0° TCH 50'.

RWY 07-25: H4294X75 (ASPH-PFC) S-25 MIRL 0.4% up E

RWY 25:—GA 3.3° TCH 40'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03: TORA-10502 TODA-10502 ASDA-10502 LDA-10502

RWY 07: TORA-4294 TODA-4294 ASDA-4294 LDA-4294

RWY 16: TORA-5722 TODA-5722 ASDA-5070 LDA-5070

RWY 21: TORA-10502 TODA-10502 ASDA-10502 LDA-10502

RWY 25: TORA-4294 TODA-4294 ASDA-4294 LDA-4294

RWY 34: TORA-5070 TODA-5070 ASDA-5070 LDA-5070

SERVICE: S4 FUEL 100LL, JET A OX 1, 2, 3, 4 LGT REIL Rwy 21 opr

continuously when the rwy lgts are on. **MILITARY—** JASU 7(MD-3)

3(MC-1) 20(MC-11) 9(MD-4MO) 2(M32A-60A) **FUEL** A++(ANG) A

(C406-453-7613) (NC-100LL) **FLUID** SP PRESAIR **OIL** O-128-133-148-156(Mil) **TRAN ALERT** Ltd tran svc only avbl for acft participating in ANG Ops with Prior Coordination (PPR).

AIRPORT REMARKS: Attended continuously. Birds on and in/ovf arpt. Class I, ARFF Index B. Index level C ARFF capability is available 24/hrs/day/365/yr. Rwy 07-25 not avbl for air carrier tkf and ldg of acft with more than 30 pax seats. Rwy 07-25 between Rwys 03-21 and 16-34 unrstd wt and avbl for air carrier taxiing acft. Cold temperature restricted airport. Altitude correction required at or below -33C/-27F. Flight Notification Service (ADCUS) avbl. See Special Notices—Continuous Power Facilities.

AIRPORT MANAGER: 406-727-3404

WEATHER DATA SOURCES: ASOS (406) 452-9844

COMMUNICATIONS: ATIS 126.6 UNICOM 122.95 RCO 122.6 (GREAT FALLS RADIO)

® APP/DEP CON 128.6

TOWER 118.7 GND CON 121.7 CLNC DEL 121.7

AIRSPACE: CLASS D

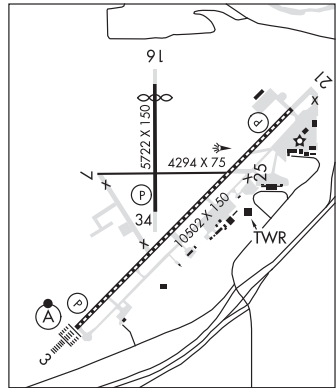
TRSA svc ctc APP CON 128.6

RADIO AIDS TO NAVIGATION: NOTAM FILE GTF.

(H) VORTACW 115.1 GTF Chan 98 N47°27.00' W111°24.73' 025° 2.6 NM to fld. 3672/16E.

TRULY NDB (HW) 371 ITU N47°21.95' W111°22.37' 348° 7.0 NM to fld.

ILS/DME 111.3 I-SMR Chan 50 Rwy 03. Class IIIE. LOC unusable byd 20° left of course.



HAMILTON

RAVALLI CO (6S5) 1 E UTC-7(-6DT) N46°15.09' W114°07.53'

3644 B TPA-4444(800) NOTAM FILE GTF

RWY 16-34: H4200X75 (ASPH-PFC) S-17, D-25 MIRL 0.9% up S

RWY 16: PAPI(P2L)—GA 3.0° TCH 35'. Trees.

RWY 34: PAPI(P2L)—GA 3.3° TCH 25'. Trees.

SERVICE: S4 **FUEL** 100LL, JET A, A+ **LGT** For MIRL Rwy 16-34 during dalgt hrs ctc arpt manager 406-375-9149. ACTIVATE MIRL Rwy 16-34 and PAPI Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Unattended. Cold temperature restricted airport. Altitude correction required at or below -23C/-9F. Ultralight activity on and invof arpt. Sailplane on and invof arpt during dalgt hrs. Loose asph material on parallel twy for Rwy 16-34. Twy markings faded/missing.

AIRPORT MANAGER: 406-375-9149

WEATHER DATA SOURCES: AWOS-AV 119.825 (406) 375-9149. press *3

COMMUNICATIONS: CTAF/UNICOM 122.8

SPOKANE APP/DEP CON 124.9 (NORTH) (1400-0620Z‡)

SALT LAKE CENTER APP/DEP CON 133.4 (NORTH) (0620-1400Z‡) 132.4 (SOUTH)

RADIO AIDS TO NAVIGATION: NOTAM FILE MSO.

MISSOULA (L) VORW/DME 112.8 MSO Chan 75 N46°54.48' W114°05.02' 166° 39.4 NM to fld. 3202/17E.

VOR/DME unusable:

043°-063° byd 30 NM

063°-082° byd 30 NM blo 14,000'

082°-150° byd 20 NM blo 11,000'

116°-150° byd 35 NM blo 13,000'

168°-223° byd 25 NM

223°-243° byd 20 NM blo 12,000'

223°-243° byd 30 NM

243°-258° byd 30 NM blo 12,000'

258°-273° byd 30 NM blo 10,000'

293°-343° byd 30 NM

343°-043° byd 10 NM

VOR portion unusable:

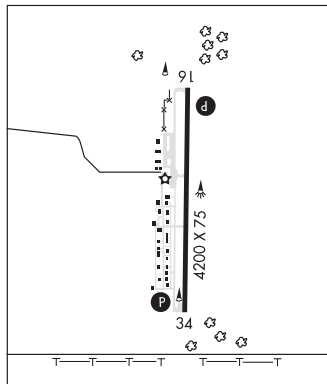
082°-116° byd 27 NM blo 13,000'

082°-116° byd 36 NM blo 14,000'

DME portion unusable:

082°-116° byd 27 NM blo 14,000'

082°-116° byd 39 NM



GREAT FALLS

L-13C

IAP

ROTORCRAFT HELIPORT (M62) 2 S UTC-7(-6DT) N46°12.40' W114°09.18'

3630 NOTAM FILE GTF

HELIPAD H1: H55X50 (CONC)

HELIPORT REMARKS: Attended Mon-Fri 1500-0000Z‡.

AIRPORT MANAGER: 406-821-3735

COMMUNICATIONS: CTAF/UNICOM 122.8

GREAT FALLS

HARDIN

BIG HORN CO (ØØU) 3 N UTC-7(-6DT) N45°44.66' W107°39.63'

3025 B NOTAM FILE GTF

RWY 08-26: H4490X75 (ASPH) MIRL 0.5% up W

RWY 08: PAPI(P2L)—GA 3.0° TCH 40'.

RWY 26: PAPI(P2L)—GA 3.0° TCH 40'.

SERVICE: **LGT** ACTIVATE PAPIs & MIRL Rwy 08-26 —CTAF.

AIRPORT REMARKS: Unattended.

AIRPORT MANAGER: 406-665-1731

COMMUNICATIONS: CTAF/UNICOM 122.8

BILLINGS

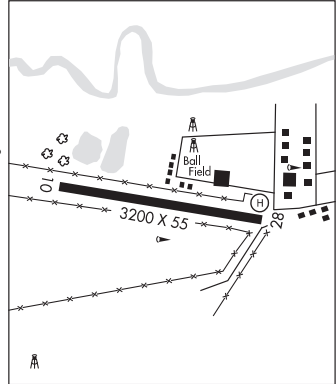
L-13D

HARLEM**FORT BELKNAP AGENCY** (UØ9) 4 SE UTC-7(-6DT) N48°28.87' W108°46.14'**BILLINGS**
L-13D

2374 NOTAM FILE GTF

RWY 10-28: H3200X55 (ASPH) S-4**AIRPORT REMARKS:** Unattended. Paved and marked helipad N of AER 28.**AIRPORT MANAGER:** 406-353-2205**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE HVR.**HAVRE (L) VORW/DME** 111.8 HVR Chan 55 N48°32.43'

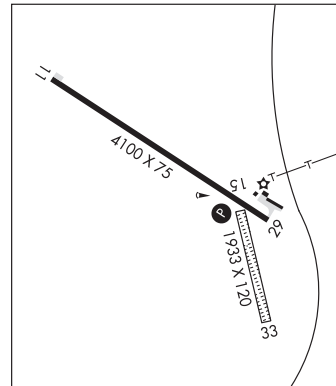
W109°46.20' 079° 40.1 NM to fld. 2583/16E.

HELIPAD H1: H50X50 (ASPH)**HARLEM** (48S) 3 N UTC-7(-6DT) N48°33.98' W108°46.44'**BILLINGS**
L-13D

2643 B NOTAM FILE GTF

RWY 11-29: H4100X75 (ASPH) S-12.5 MIRL 1.1% up W**RWY 29:** PAPI(P2L)—GA 3.0° TCH 32'.**RWY 15-33:** 1933X120 (TURF) 0.8% up NW**SERVICE:** LGT ACTIVATE MIRL Rwy 11-29 and PAPI Rwy 29—CTAF.**AIRPORT REMARKS:** Unattended. Rwy 15-33 has large gopher holes throughout. Phones avbl in terminal bldg. Key 122.9 3 times to enter bldg. Rwy 15-33 marked with white cones spaced 200'.**AIRPORT MANAGER:** (406) 353-2305**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE HVR.**HAVRE (L) VORW/DME** 111.8 HVR Chan 55 N48°32.43'

W109°46.20' 071° 39.7 NM to fld. 2583/16E.

**HARLOWTON****WHEATLAND CO AT HARLOWTON** (HWQ)(KHWQ) 2 NW UTC-7(-6DT) N46°26.92' W109°51.17'**GREAT FALLS**
L-13D

4311 B NOTAM FILE GTF

RWY 08-26: H4200X60 (ASPH) S-12 MIRL 1.2% up W**RWY 08:** Road.**RWY 26:** PAPI(P2L)—GA 3.0° TCH 34'.**SERVICE:** LGT ACTIVATE MIRL Rwy 08-26 and PAPI Rwy 26—CTAF.**AIRPORT REMARKS:** Unattended. Deer on and invof rwy, especially dur ngt time hrs. Rwy 08-26 large cracks, unraveling, vegetation growing in cracks, beware of foreign object damage.**AIRPORT MANAGER:** (406) 220-0736**COMMUNICATIONS:** CTAF 122.9**HARLOWTON RCO** 122.4 (GREAT FALLS RADIO)**RADIO AIDS TO NAVIGATION:** NOTAM FILE LWT.**LEWISTOWN (H) VORW/DME** 112.0 LWT Chan 57 N47°03.18'

W109°36.37' 181° 37.7 NM to fld. 4188/15E.

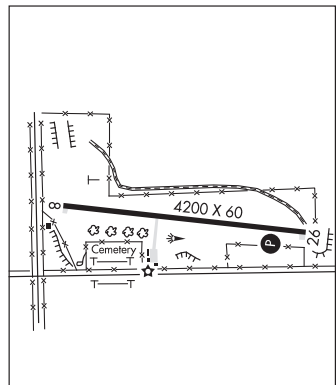
DME unusable:

040°-055° byd 30 NM blo 10,000'

360°-015° byd 30 NM blo 10,000'

VOR/DME unusable:

135°-155° byd 30 NM



HARLOWTON N46°26.10' W109°49.94' NOTAM FILE GTF.
NDB (HW) 242 **HWQ** 297° 1.2 NM to Wheatland Co at Harlowton. (VFR only).
RCO 122.4 (GREAT FALLS RADIO)

GREAT FALLS
L-13D

HAUSER N46°34.13' W111°45.48' NOTAM FILE HLN.
NDB (MHW) 386 **HAU** 268° 9.6 NM to Helena Rgnl. NDB unmonitored when HLN ATCT clsd.

GREAT FALLS
L-13C

HAVRE CITY-COUNTY (HVR)(KHVR) 3 W UTC-7(-6DT) N48°32.58' W109°45.74'
 2592 B NOTAM FILE HVR

GREAT FALLS
H-1E, L-13D
IAP, AD

RWY 08-26: H5205X100 (ASPH) S-30, D-40, 2D-50 MIRL

RWY 08: REIL. VASI(V4L)—GA 3.0° TCH 40'.

RWY 26: REIL. VASI(V4L)—GA 3.0° TCH 37'.

RWY 03-21: H3699X60 (ASPH) S-12.5 MIRL

RWY 21: PAPI(P2R)—GA 3.0° TCH 21'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03: TORA-3699 TODA-3699 ASDA-3699 LDA-3699

RWY 08: TORA-5205 TODA-5205 ASDA-5205 LDA-5205

RWY 21: TORA-3699 TODA-3699 ASDA-3699 LDA-3699

RWY 26: TORA-5205 TODA-5205 ASDA-5205 LDA-5205

SERVICE: S4 **FUEL** 100LL, JET A, A+ **LGT** ACTIVATE MIRL Rwy 03-21,
 REIL Rwy 08 and Rwy 26, VASI Rwy 08 and Rwy 26 and PAPI Rwy
 21—CTAF.

AIRPORT REMARKS: Attended 1300-0230Z†. Afld sfc cond unmt to btn
 0230Z† and 1300Z†. Deer on and invof arpt. Potential large flocks of
 waterfowl near AER 26. S parking ramp clsd indef. Cold temperature
 restricted airport. Altitude correction required at or below -30C/-22F.

AIRPORT MANAGER: (406) 262-3728

WEATHER DATA SOURCES: ASOS 135.225 (406) 265-6638.

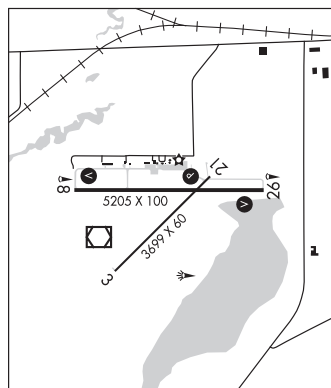
COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 123.65 (GREAT FALLS RADIO)

AIRSPACE: CLASS E svc 1300-2100Z† other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE HVR.

(L) **VORW/DME** 111.8 HVR Chan 55 N48°32.43' W109°46.20' at fld. 2583/16E.



HEBBELMAN (See CHINOOK on page 81)

HELENA RGNL (HLN)(KHLN) P (ARNG) 2 NE UTC-7(-6DT) N46°36.40' W111°59.00'

3877 B LRA Class I, ARFF Index B NOTAM FILE HLN

Rwy 09-27: H9000X150 (ASPH-PFC) S-100, D-160, 2S-175,

2D-250 HIRL

Rwy 09: REIL. VASI(V4L)—GA 3.0° TCH 45'. Ground. 0.3% down.

Rwy 27: MALSR. VASI(V4L)—GA 3.0° TCH 47'. Rgt tfc.

Rwy 05-23: H4644X75 (ASPH-PFC) S-21, D-30 MIRL 1.2% up SW
Rwy 05: Road.

Rwy 23: PAPI(P2L)—GA 3.0° TCH 49'. Fence. Rgt tfc.

Rwy 17-35: H2989X75 (ASPH-PFC) S-21, D-30 MIRL 1.7% up SE
Rwy 35: Ground. Rgt tfc.

Rwy 10-28: 1800X50 (TURF)

SERVICE: S4 **FUEL** 80, 100, 100LL, JET A **OX** 1, 3 **LGT** When twr clsd
ACTIVATE HIRL Rwy 09-27, MIRL Rwy 05-23 and Rwy 17-35, REIL
Rwy 09, MALSR Rwy 27—CTAF. **MILITARY— FUEL A+**
(C406-442-2190. Opr 1200-0600Z†, OT \$125 fee) (NC-80, 100,
100LL)

AIRPORT REMARKS: Attended 1200-0800Z†. ARFF coverage provided for
scheduled Part 121 air carriers only exc with prior apvl, call
406-442-2821. Ldg rgts cstms avbl call 406-449-5506. Cold
temperature restricted airport. Altitude correction required at or below

-16C/3F. Rwy 17-35 and Rwy 05-23 (exc btn Twy F and Rwy 09-27)
not avbl for air carrier use by acft with greater than 30 pax seats. Twy A, Twy B, and Twy C (btn Twy A and Rwy 35) not
avbl for air carrier use by acft with greater than 30 pax seats. Ldg fee for all coml acft and all acft over 10,000 lbs. Flight
Notification Service (ADCUS) avbl. NOTE: See SPECIAL NOTICE.

MILITARY REMARKS: ARNG Opr Mon-Fri 1400-0030Z† Mon-Fri, exc hol. Exercise caution while taxiing. AASF ramp not stressed
for large acft. Ctc flt ops for ramp advisory 126.2, DSN 406-324-5775, C406-324-5775. No tran svc Sat, Sun, hol or
after 2300Z† Mon-Fri. Ft Harrison AAF (MT15) within Class D contact MT ARNG ops C406-324-5775/76 DSN
324-5775/76 for paradrop operations information and hours.

AIRPORT MANAGER: 406-442-2821

WEATHER DATA SOURCES: ASOS (406) 443-4317

COMMUNICATIONS: CTAF 118.3 ATIS 120.4 UNICOM 122.95

RCO 122.55 (GREAT FALLS RADIO)

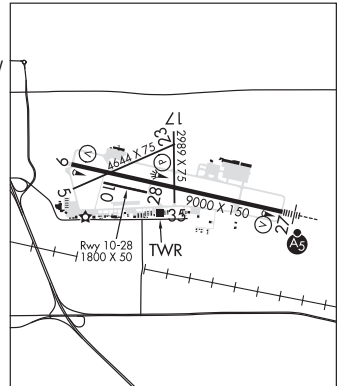
APP/DEP CON 119.5 229.4 (1300-0500Z†)

SALT LAKE CENTER APP/DEP CON 133.4 285.4 (0500-1300Z†)

TOWER 118.3 257.8 (1300-0500Z†) GND CON 121.9

ARNG OPS 40.65 126.2 321.45

AIRSPACE: CLASS D svc 1300-0500Z† other times CLASS E.



GREAT FALLS
H-1D, L-13C
IAP, DIAF, AD

CONTINUED ON NEXT PAGE

CONTINUED FROM PRECEDING PAGE

RADIO AIDS TO NAVIGATION: NOTAM FILE HLN.

(H) VORTACW 117.7 HLN Chan 124 N46°36.41' W111°57.21' 254° 1.2 NM to fld. 3823/16E.

VOR portion unusable:

035°-050° byd 35 NM blo 12,000'
 105°-165° byd 25 NM blo 17,000'
 165°-185° byd 25 NM blo 13,500'
 185°-230° byd 25 NM blo 17,500'
 203°-213° byd 22 NM blo 13,000'
 230°-270° byd 25 NM blo 12,500'

TACAN AZIMUTH & DME unusable:

035°-070° byd 35 NM blo 13,000'
 165°-185° byd 25 NM blo 13,500'
 250°-300° byd 25 NM blo 14,000'
 320°-035° byd 25 NM blo 13,000'

TACAN DME unusable:

035°-070° byd 35 NM blo 13,000'
 105°-150° byd 25 NM
 105°-210° byd 15 NM blo 11,100'
 105°-210° byd 20 NM blo 12,000'
 150°-165° byd 25 NM blo 17,000'
 165°-185° byd 25 NM blo 13,500'
 185°-210° byd 25 NM
 203°-213° byd 22 NM blo 13,000'
 210°-250° byd 15 NM blo 12,000'
 210°-250° byd 25 NM blo 17,500'
 250°-300° byd 25 NM blo 14,000'
 320°-035° byd 25 NM blo 13,000'

TACAN AZIMUTH unusable:

105°-150° byd 15 NM
 150°-165° byd 15 NM blo 17,000'
 185°-210° byd 15 NM
 210°-250° byd 15 NM blo 17,500'

CAPITOL NDB (HW) 335 CVP N46°36.40' W111°56.23' 258° 1.9 NM to fld. NDB unmonitored when ATCT clsd.

HAUSER NDB (MHW) 386 HAU N46°34.13' W111°45.48' 268° 9.6 NM to fld. NDB unmonitored when HLN ATCT clsd.

ILS 110.1 I-HLN Rwy 27. Unmonitored when ATCT closed. Localizer backcourse unusable byd 22° rgt of course, unusable within 2.7 DME.

HELLER FARM (See WINIFRED on page 122)**HINSDALE** (6U5) 0 SE UTC-7(-6DT) N48°23.28' W107°05.00'**BILLINGS**

2220 NOTAM FILE GTF

RWY 07-25: 2200X75 (TURF) LIRL(NSTD) 0.7% up W**RWY 07:** Road.**RWY 10-28:** 2160X200 (TURF) 0.3% up W**RWY 10:** Road.**RWY 16-34:** 1960X75 (TURF) 1.5% up S**RWY 16:** P-line.**RWY 34:** Fence.**AIRPORT REMARKS:** Unattended. Rws soft when wet. Hay bales and farm equipment adjacent to rwy. Rws not clearly defined.

Rwy 16-34, Rwy 07-25 and Rwy 10-28 marked with white cones full length of rwy. Rwy 16 p-lines marked with globes.

Rwy 07-25 NSTD LIRL 335' spacing between lgts, one thld lgt each end. For rwy lgts phone 406-364-2387.

AIRPORT MANAGER: (406) 672-2448**COMMUNICATIONS:** CTAF 122.9**HOGELAND** (6U6) 1 NW UTC-7(-6DT) N48°51.61' W108°39.66'**BILLINGS**

3139 B NOTAM FILE GTF

RWY 07-25: 3140X60 (GRVL-DIRT) 0.6% up W**RWY 16-34:** 1230X50 (TURF)**RWY 34:** Bldg.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** (406) 390-1374**COMMUNICATIONS:** CTAF 122.9

HOT SPRINGS (S09) 2 E UTC-7(-6DT) N47°36.75' W114°36.81'

GREAT FALLS

2763 B NOTAM FILE GTF

RWY 06-24: H3550X45 (ASPH-TRTD) MIRL

RWY 24: Thld dsplcd 411'. Road.

AIRPORT REMARKS: Unattended. Ultralghts on and invof arpt. Ocnl snow removal. Rwy 06-24 asph grvl composition full length.

Rwy 24 has 411' unlgtd, 2169' lgtd at ngt. Rwy 06-24 cones adj to MIRL full length and dsplcd thld marked with white cones. Rwy 06 and Rwy 24 numbers 4' x 8' in measure, thld line and rwy lines NSTD.

AIRPORT MANAGER: 406-741-3582**COMMUNICATIONS:** CTAF 122.9

HYSHAM (6U7) 2 E UTC-7(-6DT) N46°17.61' W107°11.60'

BILLINGS

2624 B NOTAM FILE GTF

RWY 07-25: H3060X45 (ASPH-TRTD) LIRL

SERVICE: LGT ACTIVATE LIRL Rwy 07-25—CTAF.**AIRPORT REMARKS:** Unattended. 1030' dirt extn E of Rwy 07 thld soft when wet. Rwy 07 basic markings NSTD numbers and stripes.**AIRPORT MANAGER:** 406-342-5252**COMMUNICATIONS:** CTAF 122.9

JORDAN (JDN)(KJDN) 2 NW UTC-7(-6DT) N47°19.73' W106°57.16'

BILLINGS

2666 B NOTAM FILE JDN

RWY 11-29: H4300X75 (ASPH-PFC) S-12.5' MIRL 0.7% up W

RWY 29: PAPI(P2L)—GA 3.0° TCH 29'.

SERVICE: LGT ACTIVATE MIRL Rwy 11-29 and PAPI Rwy 29—CTAF.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** (406) 939-2931**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE GGW.

GLASGOW (H) VOR/DME 113.9 GGW Chan 86 N48°12.92' W106°37.53' 180° 54.8 NM to fld. 2283/14E.

NDB (MHW) 263 JDN N47°20.00' W106°56.29' at fld. NOTAM FILE JDN. VFR only.

JUDITH MOUNTAIN N47°13.03' W109°13.31'

GREAT FALLS

RCO 122.2 (GREAT FALLS RADIO)

L-13D

KALISPELL**GLACIER PARK INTL** (GPI)(KGPI) 6 NE UTC-7(-6DT) N48°18.63' W114°15.36'

2977 B LRA Class I, ARFF Index B NOTAM FILE GPI

RWY 02-20: H9007X150 (ASPH-GRVD) S-80, D-170, 2S-175, 2D-250 HIRL**RWY 02:** MALSR. PAPI(P4L)—GA 3.0° TCH 50'.**RWY 20:** REIL. PAPI(P4L)—GA 3.0° TCH 45'.**RWY 12-30:** H3504X75 (ASPH-PFC) S-12 MIRL**RWY 12:** PAPI(P2L)—GA 3.5° TCH 30'. Trees.**RWY 30:** PAPI(P2L)—GA 3.5° TCH 26'. Tree.**SERVICE:** S4 FUEL 100LL, JET A LGT PAPI Rwy 02, Rwy 20 and Rwy 30 opr continuously. ACTIVATE HIRL Rwy 02-20, MIRL Rwy 12-30, MALSR Rwy 02, REIL Rwy 20—CTAF.**AIRPORT REMARKS:** Attended continuously. Clsd to unscheduled air carrier ops with more than 30 pax seat exc PPR call arpt mgr 406-257-5994. Cold temperature restricted airport. Altitude correction required at or below -12C/10F.**AIRPORT MANAGER:** 406-257-5994**WEATHER DATA SOURCES:** ASOS 132.625 (406) 756-8879.**COMMUNICATIONS:** CTAF 124.55 ATIS 132.625 UNICOM 122.95**LAKE SIDE RCO** 122.5 (GREAT FALLS RADIO)**SALT LAKE CENTER APP/DEP CON** 133.4**TOWER** 124.55 (1500-0700Z) GND CON 121.6**AIRSPACE:** CLASS D svc tower 1500-0700Z; other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE FCA.**KALISPELL (H) VORW/DME** 113.2 FCA Chan 79 N48°12.85' W114°10.55' 313° 6.6 NM to fld. 2984/18E.

VOR/DME unusable:

010°-070° byd 10 NM

160°-280° byd 30 NM blo 13,000'

350°-010° byd 10 NM blo 23,000'

VOR unusable:

070°-088° byd 20 NM blo 16,000'

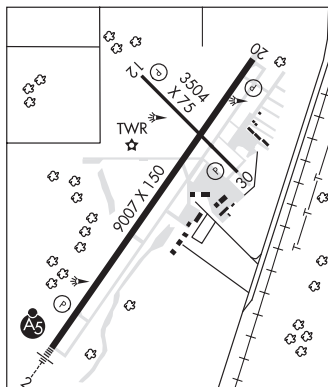
088°-113° byd 22 NM blo 13,000'

088°-113° byd 35 NM blo 16,000'

DME unusable:

070°-113° byd 20 NM blo 16,000'

070°-113° byd 37 NM

SMITH LAKE NDB (MHW) 515 SAK N48°06.50' W114°27.67' 019° 14.7 NM to fld.**ILS** 111.5 I-GPI Rwy 02. Class IB.**GREAT FALLS****H-1D, L-13C****IAP, AD****KALISPELL CITY** (S27) 1 S UTC-7(-6DT) N48°10.71' W114°18.22'

2932 B NOTAM FILE GTF

RWY 13-31: H3600X60 (ASPH) S-4 LIRL(NSTD)**RWY 13:** Tree.**RWY 31:** Thld dspcd 155'. Towers.**SERVICE:** S4 FUEL 100LL, JET A LGT ACTIVATE LIRL Rwy 13-31—CTAF.**AIRPORT REMARKS:** Attended dalgt hrs. Parachute Jumping. Ultralights on and invof arpt. Glider act on and invof arpt. Twr 400' AGL 3 miles East unlgtd. Rwy 31 lgtd thld relocated 155' for ngt ops, 3445' of Rwy 13-31 usable at ngt. Rwy 13-31 NSTD LIRL. Rwy 13 thld lgts lctd at end of rwy.**AIRPORT MANAGER:** (406) 755-2376**COMMUNICATIONS:** CTAF/UNICOM 122.8**LAKE SIDE RCO** 122.5 (GREAT FALLS RADIO)**RADIO AIDS TO NAVIGATION:** NOTAM FILE FCA.**(H) VORW/DME** 113.2 FCA Chan 79 N48°12.85' W114°10.55' 229° 5.6 NM to fld. 2984/18E.

VOR/DME unusable:

010°-070° byd 10 NM

160°-280° byd 30 NM blo 13,000'

350°-010° byd 10 NM blo 23,000'

VOR unusable:

070°-088° byd 20 NM blo 16,000'

088°-113° byd 22 NM blo 13,000'

088°-113° byd 35 NM blo 16,000'

DME unusable:

070°-113° byd 20 NM blo 16,000'

070°-113° byd 37 NM

GREAT FALLS**L-13C**

KNOX RIDGE (See WINIFRED on page 123)

KONNA N47°05.66' W114°23.81' NOTAM FILE MSO.
NDB (HW) 521 INE 113° 16.5 NM to Missoula Intl.

GREAT FALLS
L-13B

L M CLAYTON (See WOLF POINT on page 124)

LAKESIDE N48°00.68' W114°21.88'
RCO 122.5 (GREAT FALLS RADIO)

GREAT FALLS
L-13B

LAUREL MUNI (6S8) 2 N UTC-7(-6DT) N45°42.26' W108°45.57'

3517 B NOTAM FILE GTF

RWY 04-22: H5200X75 (ASPH) S-12.5 MIRL 0.6% up SW

RWY 04: PAPI(P2L)—GA 3.0° TCH 33'.

RWY 22: PAPI(P2L)—GA 3.0° TCH 44'.

RWY 14-32: H2725X50 (ASPH) S-8 2.4% up NW

RWY 32: Thld dsplcd 516'. Trees.

RWY 09-27: 1100X60 (TURF) 2.3% up W

SERVICE: S4 **FUEL** 100, JET A **LGT** ACTIVATE MIRL Rwy 04-22 and PAPI Rwys 04 and 22—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z±, Sat-Sun intermittently. Parachute Jumping. Ultralights on and invof arpt. Numerous deer and antelope on and invof rwy. Cold temperature restricted airport. Altitude correction required at or below -25C/-13F. Intermittent snow removal, be alert during winter months. Rwy 09-27 not maintained during winter. Rwy 09-27 sfc rough. Rwy 09-27 marker cones full rwy length. Rwy 14-32 sfc rough. Rwy 32 dsplcd thld marked not lgtd.

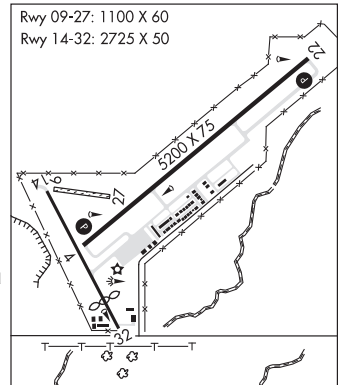
AIRPORT MANAGER: 406-628-4595

COMMUNICATIONS: CTAF/AUNICOM 123.05

® **BILLINGS APP/DEP CON** 119.2 120.5

RADIO AIDS TO NAVIGATION: NOTAM FILE BIL.

BILLINGS (H) VORTACW 114.5 BIL Chan 92 N45°48.51' W108°37.48' 208° 8.4 NM to fld. 3811/14E.



BILLINGS
H-1E, L-13D
IAP

LAVINA (8ØS) 2 NW UTC-7(-6DT) N46°18.44' W108°57.29'

3512 NOTAM FILE GTF

RWY 07-25: 3460X100 (TURF) 0.7% up W

AIRPORT REMARKS: Unattended. No snow removal. Rwy 07-25 very muddy when wet, rough with gopher holes. Rwy 07-25 marked with cones full rwy length.

AIRPORT MANAGER: 406-444-2506

COMMUNICATIONS: CTAF 122.9

BILLINGS

LEFT COULEE (See WINIFRED on page 123)

LEWISTOWN MUNI (LWT)(KLWT) 2 SW UTC-7(-6DT) N47°02.96' W109°28.00'

4170 B Class III, ARFF Index A NOTAM FILE LWT

RWY 08-26: H6100X100 (ASPH) S-40, D-55, 2S-82, 2D-95 MIRL

0.3% up W

RWY 08: REIL. PAPI(P2L)—GA 3.0° TCH 51'.**RWY 26:** REIL. VASI(V4L)—GA 3.0° TCH 50'.**RWY 03-21:** H5600X101 (ASPH) S-12.5, D-80, 2S-101, 2D-120

MIRL 0.7% up SW

RWY 21: Bldg.**RWY 13-31:** H4102X62 (ASPH) S-12.5 MIRL 0.8% up SE**RWY 13:** Railroad.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 03:** TORA-5600 TODA-5600 ASDA-5600 LDA-5600**RWY 08:** TORA-6100 TODA-6100 ASDA-6100 LDA-6100**RWY 21:** TORA-5600 TODA-5600 ASDA-5600 LDA-5600**RWY 26:** TORA-6100 TODA-6100 ASDA-6100 LDA-6100**SERVICE:** S4 FUEL 100, 100LL, JET A LGT Rwy 03-21 MIRL OTS indef.

ACTIVATE MIRL Rwy 03-21, Rwy 08-26, and Rwy 13-31 PAPI Rwy 08, VASI Rwy 26 and REIL Rwy 08 and Rwy 26—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z. Rwy 03-21 and Rwy 13-31 CLOSED during snow conditions. Afd sfc conditions not monitored 0330-1400Z. Birds on and invof arpt. Rwy 03-21 day use only. Rwy 03-21 asph spalling. All twys have reflectors except Twy C, E, and half of Twy A, which are lighted.**AIRPORT MANAGER:** 406-350-3264**WEATHER DATA SOURCES:** ASOS 118.375 (406) 538-2653.**COMMUNICATIONS:** CTAF/UNICOM 123.0

RCO 122.35 (GREAT FALLS RADIO)

AIRSPACE: CLASS E svc continuous.**RADIO AIDS TO NAVIGATION:** NOTAM FILE LWT.

(H) VORW/DME 112.0 LWT Chan 57 N47°03.18' W109°36.37' 077° 5.7 NM to fld. 4188/15E.

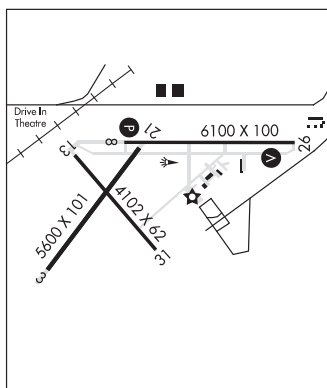
DME unusable:

040°-055° byd 30 NM blo 10,000'

360°-015° byd 30 NM blo 10,000'

VOR/DME unusable:

135°-155° byd 30 NM

GREAT FALLS**H-1E, L-13D****IAP****LIBBY** (S59) 7 S UTC-7(-6DT) N48°17.03' W115°29.41'

2605 B NOTAM FILE GTF

RWY 15-33: H5003X75 (ASPH-PFC) S-24 MIRL 0.4% up SE**RWY 15:** REIL. PAPI(P2L)—GA 3.0° TCH 28'.**RWY 33:** REIL. PAPI(P2L)—GA 3.75° TCH 32'.**SERVICE:** S4 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 15-33,

PAPI Rwy 15 and Rwy 33, and REIL Rwy 15 and Rwy 33—CTAF.

AIRPORT REMARKS: Attended continuously. Cold temperature restricted airport. Altitude correction required at or below -15C/5F.**AIRPORT MANAGER:** (406) 334-0969**WEATHER DATA SOURCES:** AWOS-A 118.575 (406) 293-4631.**COMMUNICATIONS:** CTAF/UNICOM 122.8

SEATTLE CENTER APP/DEP CON 123.95

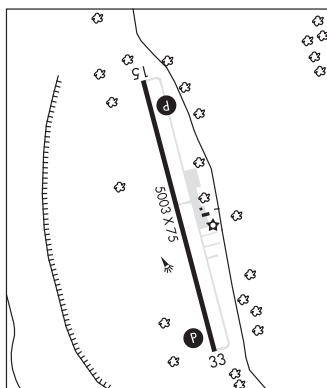
RADIO AIDS TO NAVIGATION: NOTAM FILE MLP.**MULLAN PASS (H) VORW/DME** 117.8 MLP Chan 125 N47°27.41'W115°38.76' 352° 50.0 NM to fld. 6100/15E. **HIWAS.**

VOR portion unusable:

060°-090° byd 20 NM blo 9,500'

NDB (MHW) 414 LYI N48°18.29'

W115°29.81' 151° 1.3 NM to fld. NOTAM FILE GTF. VFR only.

GREAT FALLS**H-1D, L-13B****IAP****LIBERTY CO** (See CHESTER on page 81)

LINCOLN (S69) 2 E UTC-7(-6DT) N46°57.28' W112°39.01'
4603 B NOTAM FILE GTF

RWY 04-22: H4239X75 (ASPH-PFC) S-12.5 MIRL 0.6% up NE
RWY 04: PAPI(P2L)—GA 4.0° TCH 32'.

RWY 22: Tree.

SERVICE: LGT ACTIVATE MIRL Rwy 04-22, PAPI Rwy 04-CTAF.

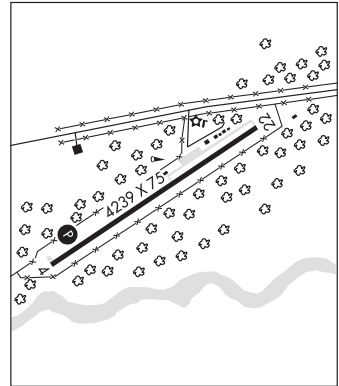
AIRPORT REMARKS: Unattended. Possible heavy helicopter use during summer. Intermittent snow removal. 9' wildlife perimeter fence in place. Rwy 04 and Rwy 22 markings faded.

AIRPORT MANAGER: 406-444-2506

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE GTF.

GREAT FALLS (H) VORTAC 115.1 GTF Chan 98 N47°27.00'
W111°24.73' 224° 58.7 NM to fld. 3672/16E.



GREAT FALLS
L-13C

LINDEY'S LANDING WEST SPB (See SEELEY LAKE on page 112)

LIVINGSTON

MISSION FLD (LVM)(KLVM) 5 E UTC-7(-6DT) N45°41.97' W110°26.88'

4659 B NOTAM FILE LVM

RWY 04-22: H5701X75 (ASPH) S-75, D-99.9 MIRL

RWY 22: REIL. VASI(V2L)—GA 3.0° TCH 32'.

RWY 08-26: 3762X125 (TURF)

RWY 13-31: 2724X120 (TURF) 0.3% up NW

SERVICE: S2 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy
04-22-123.0.

AIRPORT REMARKS: Attended 1500-0000Z†. Parachute Jumping. Cold temperature restricted airport. Altitude correction required at or below -21C/-6F. Wildlife on and invof rwy. AG ops Apr through Sep. Rwy 08 and Rwy 26 thlds and first 200' marked with white cones. Rwy 13 and Rwy 31 thlds and first 200' marked with white cones.

AIRPORT MANAGER: 406-222-6504

WEATHER DATA SOURCES: ASOS 135.275 (406) 222-2338.

COMMUNICATIONS: CTAF/UNICOM 123.0 LIVINGSTON RCO 122.2 (Great Falls Radio)

Ⓡ BIG SKY APP/DEP CON 119.55 (1200-0615Z†, other times etc)

Ⓡ SALT LAKE CENTER APP/DEP CON 119.55

AIRSPACE: CLASS E svc 1500-0100Z† other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE LVM.

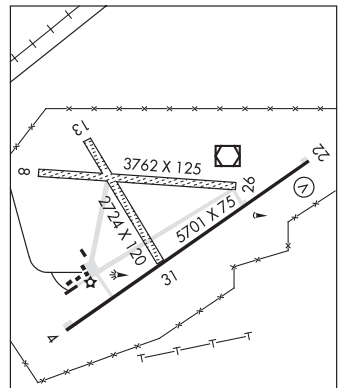
LIVINGSTON (H) VORW/DME 116.1 LVM Chan 108 N45°42.15'
W110°26.55' at fld. 4653/15E.

VOR/DME unusable:

100°-190° byd 15 NM

255°-280° byd 20 NM

345°-041° byd 15 NM



GREAT FALLS
H-1E, L-13C
IAP

LIVINGSTON N45°42.15' W110°26.55' NOTAM FILE LVM.

(H) VORW/DME 116.1 LVM Chan 108 at Mission Fld. 4653/15E.

VOR/DME unusable:

100°-190° byd 15 NM

255°-280° byd 20 NM

345°-041° byd 15 NM

RCO 122.2 (GREAT FALLS RADIO)

GREAT FALLS
H-1D, L-13C

MALMSTROM AFB HELIPORT (GFA)(KGFA) AF 3 E UTC-7(-6DT) N47°30.28' W111°11.24' **GREAT FALLS**
 3472 LRA NOTAM FILE GTF Not insp.
HELIPAD H1: H100X100 (ASPH)
HELIPAD H2: H100X100 (CONC)
SERVICE: **LGT** Perimeter, ldg and apch lgt avbl to helipad 2 HDG 026°. **MILITARY— FUEL** J8. **TRAN ALERT** No svc avbl wo prior coord with Blade OPS DSN 632-3250.
MILITARY REMARKS: Ctc 40th Helicopter Squadron for opr hr. See FLIP AP/1 Supplementary Arpt Remark. **RSTD** Rotary/Wing acft on Official Business Only, clsd to all Fixed/Wing acft. PPR from 40th Helicopter Flight DSN 632-3250. Heliport ltd to two helipads and slide area btn R and Q. Other areas of old afld littered with obst and acft not authorized for ldg or departure. Orange barriers mark boundaries of heliport. **CAUTION** 57' twr lctd 0.5 NM northeast.
COMMUNICATIONS: CTAF 271.9
GREAT FALLS APP/DEP CON 128.6 124.15 VFR Advys.
COMD POST 321.0 311.0 **PMSV METRO** 239.8 (Wx DSN 632-2710. Full svc avbl Mon-Fri 1200-2200Z. Other times ctc Davis-Monthan AFB, 25th OWS DSN 228-6588/6598/6599) **BLADE OPS** 271.9

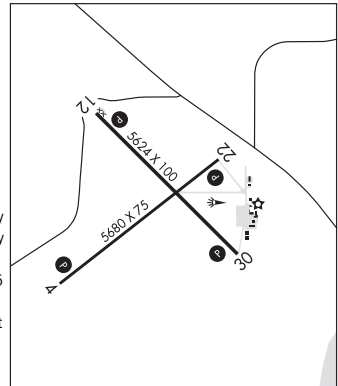
MALTA (M75) 1 NW UTC-7(-6DT) N48°22.02' W107°55.16' **BILLINGS**
 2254 B NOTAM FILE GTF **L-13D**
RWY 08-26: H4500X75 (ASPH) S-12.5 MIRL **IAP**
RWY 08: PAPI(P2L)—GA 3.0° TCH 27'.
RWY 26: PAPI(P2L)—GA 3.0° TCH 27'.
SERVICE: **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 08-26 and PAPI Rwy 08 and Rwy 26 opr dusk-0700Z after 0700Z—CTAF. ACTIVATE Rotating beacon—CTAF.
AIRPORT REMARKS: Attended continuously. Cold temperature restricted airport. Altitude correction required at or below -37C/-35F.
AIRPORT MANAGER: 406-654-1143
COMMUNICATIONS: CTAF/AUNICOM 122.8
SALT LAKE CENTER APP/DEP CON 126.85
RADIO AIDS TO NAVIGATION: NOTAM FILE GGW.
GLASGOW (H) VORW/DME 113.9 GGW Chan 86 N48°12.92' W106°37.53' 266° 52.6 NM to fld. 2283/14E.
NDB (MHW) 272 MLK N48°22.13' W107°55.04' at fld. NOTAM FILE GTF. VFR only.

MANNI N45°52.31' W111°17.14' NOTAM FILE BZN. **GREAT FALLS**
NDB (LOM) 266 BZ 122° 8.0 NM to Bozeman Yellowstone Intl. OM unusable 340°-110° byd 15 NM.

MEADOW CREEK USFS (ØS1) 1 NE UTC-7(-6DT) N47°50.96' W113°25.05' **GREAT FALLS**
 3993 NOTAM FILE GTF
RWY 17-35: 2830X100 (TURF) 1.0% up S
RWY 17: Trees.
RWY 35: Trees.
AIRPORT REMARKS: Unattended. Big game animals may be on rwy. Rwy sfc may consist of tall, wet grass. Rwy 17 has 900' overrun avbl for tkf or ldg. Rwy 17 has white cones marking full length of rwy. Rwy 17-35 marked with white cones spaced 200'.
AIRPORT MANAGER: 406-758-5376
COMMUNICATIONS: CTAF 122.9

MILES CITY**FRANK WILEY FLD** (MLS)(KMLS) 2 NW UTC-7(-6DT) N46°25.68' W105°53.17'

2630 B NOTAM FILE MLS

Rwy 04-22: H5680X75 (ASPH) S-24, D-24 MIRL**Rwy 04:** REIL. PAPI(P2L)—GA 3.0° TCH 40'.**Rwy 22:** REIL. PAPI(P2L)—GA 3.0° TCH 43'. Road.**Rwy 12-30:** H5624X100 (ASPH-GRVD) S-38, D-55, 2D-85 MIRL**Rwy 12:** REIL. PAPI(P2L)—GA 3.0° TCH 43'.**Rwy 30:** REIL. PAPI(P2L)—GA 3.0° TCH 43'.**RUNWAY DECLARED DISTANCE INFORMATION****Rwy 04:** TORA-5680 TODA-5680 ASDA-5680 LDA-5680**Rwy 12:** TORA-5628 TODA-5628 ASDA-5628 LDA-5628**Rwy 22:** TORA-5680 TODA-5680 ASDA-5680 LDA-5680**Rwy 30:** TORA-5628 TODA-5628 ASDA-5628 LDA-5628**SERVICE:** FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 04-22 and Rwy 12-30, PAPI Rwy 04, Rwy 12, Rwy 22 and Rwy 30, REIL Rwy 04, Rwy 12, Rwy 22 and Rwy 30—CTAF.**AIRPORT REMARKS:** Attended daltg hrs. For after hrs fuel ctc 406-951-0955 or 406-234-1296. Migratory birds invof arpt. Ovngt and weekly hngr storage avbl, contact arpt mgr. Catering avbl with 24 hr notice, ctc arpt mgr.**AIRPORT MANAGER:** (406) 951-0955**WEATHER DATA SOURCES:** ASOS 135.575 (406) 232-1465.**COMMUNICATIONS:** CTAF/UNICOM 123.0**MILES CITY RCO** 122.2 (GREAT FALLS RADIO)**AIRSPACE:** CLASS E svc continuous.**RADIO AIDS TO NAVIGATION:** NOTAM FILE MLS.**MILES CITY (H) VORW/DME** 112.1 MLS Chan 58 N46°22.93' W105°57.21' 030° 3.9 NM to fld. 2666/15E.**BILLINGS**

H-1F, 2G, L-13E

IAP, AD

MILK RIVER N48°12.47' W106°37.57' NOTAM FILE GGW.**NDB (HW)** 339 MKR at Wokal Fld/Glasgow Intl.**BILLINGS**

L-13D

MILLER PEAK N46°45.40' W113°53.51'**RCO** 122.45 (GREAT FALLS RADIO)**GREAT FALLS**

L-13C

MINERAL CO (See SUPERIOR on page 116)**MISSION FLD** (See LIVINGSTON on page 103)

MISSOULA INTL (MSO)(KMSO) 4 NW UTC-7(-6DT) N46°54.98' W114°05.43'

3206 B Class I, ARFF Index B NOTAM FILE MSO

RWY 11-29: H9501X150 (ASPH-GRVD) S-145, D-170, 2S-175,
2D-255 HIRL

RWY 11: MALSR. PAPI(P4L)—GA 3.0° TCH 55'. RVR-T

RWY 29: RLLS. REIL. PAPI(P4L)—GA 3.0° TCH 50'.

RWY 07-25: H4612X75 (ASPH-GRVD) S-30, D-50 MIRL

RUNWAY DECLARED DISTANCE INFORMATION

RWY 07: TORA-4612 TODA-4612 ASDA-4612 LDA-4612

RWY 11: TORA-9501 TODA-9501 ASDA-9501 LDA-9501

RWY 25: TORA-4612 TODA-4612 ASDA-4612 LDA-4612

RWY 29: TORA-9501 TODA-9501 ASDA-9501 LDA-9501

SERVICE: S4 FUEL 100LL, JET A1+ OX 1, 2, 3, 4 LGT When twr clsd
ACTIVATE HIRL Rwy 11-29, MALSR Rwy 11—CTAF.

AIRPORT REMARKS: Attended continuously. Parachute Jumping. Cold temperature restricted airport. Altitude correction required at or below -10C/14F. Migratory and small bird activity on and invof arpt dur months of April-May and Oct-Dec. When twr clsd Rwy 07-25 clsd exc taxi. Hang glider ops 5.5 NM east of AER 29. Ctc arpt mgr to req apvl prior to ultralight ops. Rwy 07-25 sfc variations with patches. Rwy 11-29 180° turns for acft over 12,500 lbs GWT prohibited on all movement areas. Avoid locked turns at all times. Twy G btn Rwy 07 end to Rwy 11-29 rstd to acft under 12,500 lbs. Avoid locked turns at all times. East ramp twy clsd from terminal ramp to 450' east. Ldg fee for all coml acft and all acft over 12,500 lbs.

AIRPORT MANAGER: 406-728-4381

WEATHER DATA SOURCES: ASOS 126.65 (406) 728-3743.

COMMUNICATIONS: CTAF 118.4 ATIS 126.65 UNICOM 122.95

® SPOKANE APP/DEP CON 124.9 (1400-0620Z‡)

® SALT LAKE CENTER APP/DEP CON 133.4 (0620-1400Z‡)

TOWER 118.4 (1300-0500Z‡) **GND CON** 121.9

MILLER PEAK RCO 122.45 (GREAT FALLS RADIO)

AIRSPACE: CLASS D svc 1300-0500Z‡ other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE MSO.

(L) VOR/DME 112.8 MSO Chan 75 N46°54.48' W114°05.02' at fld. 3202/17E.

VOR/DME unusable:

043°-063° byd 30 NM

063°-082° byd 30 NM blo 14,000'

082°-150° byd 20 NM blo 11,000'

116°-150° byd 35 NM blo 13,000'

168°-223° byd 25 NM

223°-243° byd 20 NM blo 12,000'

223°-243° byd 30 NM

243°-258° byd 30 NM blo 12,000'

258°-273° byd 30 NM blo 10,000'

293°-343° byd 30 NM

343°-043° byd 10 NM

VOR portion unusable:

082°-116° byd 27 NM blo 13,000'

082°-116° byd 36 NM blo 14,000'

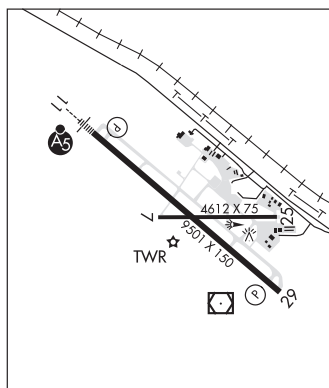
DME portion unusable:

082°-116° byd 27 NM blo 14,000'

082°-116° byd 39 NM

KONNA NDB (HW) 521 INE N47°05.66' W114°23.81' 113° 16.5 NM to fld.

ILS 109.3 I-MSO Rwy 11. Class IA. LOC unusable byd 29° left of course byd 30° rgt of course.



GREAT FALLS
H-1D, L-13C
IAP, AD

OPHEIM (S00) 0 W UTC-7(-6DT) N48°52.00' W106°25.04'

3264 B NOTAM FILE GTF

RWY 16-34: 2675X150 (TURF) LIRL

RWY 04-22: 1555X100 (TURF)

RWY 22: Road.

RWY 10-28: 1200X100 (TURF)

RWY 28: Road.

AIRPORT REMARKS: Unattended. No snow removal. Rwy 04-22, Rwy 10-28, Rwy 16-34 marked with red/white panels full length. Rotating bcn out of svc indefinitely.

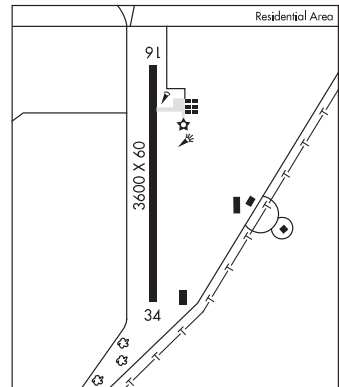
AIRPORT MANAGER: (406) 724-7090

COMMUNICATIONS: CTAF 122.9

BILLINGS

PHILIPSBURG**RIDDICK FLD** (U05) 1 SE UTC-7(-6DT) N46°19.16' W113°18.30'

5212 B NOTAM FILE GTF

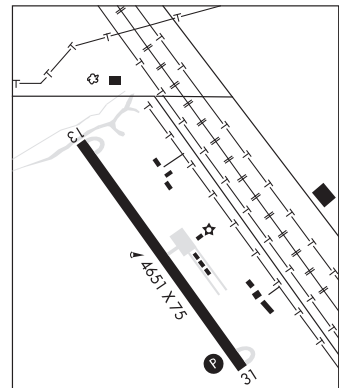
RWY 16-34: H3600X60 (ASPH) S-7 MIRL**RWY 16:** Rgt tfc.**RWY 34:** Hill.**SERVICE:** LGT ACTIVATE MIRL Rwy 16-34—CTAF.**AIRPORT REMARKS:** Unattended. Rwy 16-34 pavement is spalling, major crack propagation throughout. Multiple edge fractures.**AIRPORT MANAGER:** 406-859-3608**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE SMN.**SALMON (H) VOR/DME** 113.5 LKT Chan 82 N45°01.28'
W114°05.05' 010° 84.5 NM to fld. 9260/13E.**GREAT FALLS**
L-13C**PLAINS** (S34) 1 NW UTC-7(-6DT) N47°28.41' W114°54.43'

2467 B NOTAM FILE GTF

RWY 13-31: H4651X75 (ASPH) S-12.5, D-18 MIRL**RWY 31:** PAPI(P2L)—GA 3.0° TCH 20'.**SERVICE:** LGT ACTIVATE MIRL Rwy 13-31 and PAPI Rwy 31—CTAF.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** 406-826-3605**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE MLP**MULLAN PASS (H) VOR/DME** 117.8 MLP Chan 125 N47°27.41'
W115°38.76' 073° 30.1 NM to fld. 6100/15E. **HIWAS.**

VOR portion unusable:

060°-090° byd 20 NM blo 9,500'

GREAT FALLS
L-13B

PLENTYWOOD

SHER-WOOD (PWD)(KPWD) 1 NE UTC-7(-6DT) N48°47.34' W104°31.38'

2264 B NOTAM FILE GTF

RWY 12-30: H3900X75 (ASPH) S-12.5 MIRL 0.4% up NW

RWY 12: PAPI(P2L)—GA 3.0° TCH 44'.

RWY 30: PAPI(P2L)—GA 3.0° TCH 34'.

RWY 08-26: 2951X60 (TURF) 0.4% up E

RWY 16-34: 1601X83 (TURF) 1.2% up N

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 12-30—CTAF.

AIRPORT REMARKS: Unattended. 24 hr self svc credit card fuel facility.

Ultralight on and in vicinity of arpt. Rwy 12 no touchdown marking.

AIRPORT MANAGER: 406-765-1660

WEATHER DATA SOURCES: AWOS-AV 135.025 (406) 765-2149.

COMMUNICATIONS: CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 126.85

RADIO AIDS TO NAVIGATION: NOTAM FILE ISN.

WILLISTON (L) VORW/DME 116.3 ISN Chan 110 N48°15.21'

W103°45.04' 305° 44.5 NM to fld. 2372/12E. **HIWAS.**

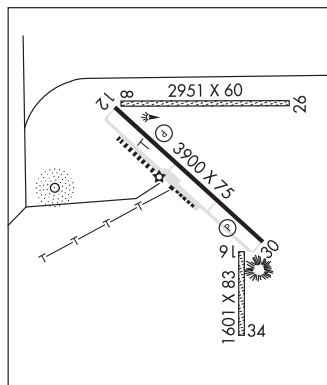
PLENTYWOOD NDB (MHW) 251 PWD N48°47.32'

W104°31.84' at fld. NOTAM FILE GTF. VFR only.

BILLINGS

L-13C

IAP



POLSON (8S1) 1 W UTC-7(-6DT) N47°41.73' W114°11.12'

2941 B NOTAM FILE GTF

RWY 18-36: H4195X75 (ASPH) S-17 MIRL

RWY 18: PAPI(P4L)—GA 3.0° TCH 28'. Hwy.

RWY 36: PAPI(P2L)—GA 4.0° TCH 31'. Hill.

SERVICE: S4 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 18-36, PAPI Rwy 18 and Rwy 36—CTAF.

AIRPORT REMARKS: Attended 1500-0000Z±. 24 hr self service fuel avbl.

Cold temperature restricted airport. Altitude correction required at or below -19C/-2F. When ldg on Rwy 36 be alert to seaplane ldgs on adjacent river.

AIRPORT MANAGER: 406-883-2482

COMMUNICATIONS: CTAF/UNICOM 122.8

® SALT LAKE CENTER APP/DEP CON 133.4

RADIO AIDS TO NAVIGATION: NOTAM FILE MLP.

MULLAN PASS (H) VORW/DME 117.8 MLP Chan 125 N47°27.41'

W115°38.76' 061° 61.0 NM to fld. 6100/15E. **HIWAS.**

VOR portion unusable:

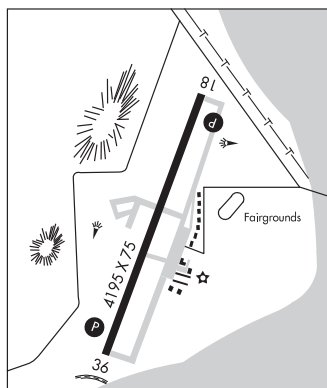
060°-090° byd 20 NM blo 9,500'

WATERWAY 03W-21W: 4000X500 (WATER)

GREAT FALLS

L-13C

IAP



POPLAR MUNI (PO1) 2 NE UTC-7(-6DT) N48°08.07' W105°09.73'

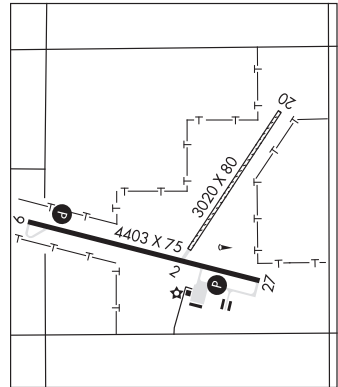
2037 B NOTAM FILE GTF

RWY 09-27: H4403X75 (ASPH) S-12.5, D-40, 2D-66 MIRL**RWY 09:** PAPI(P2L)—GA 3.0° TCH 24'.**RWY 27:** PAPI(P2L)—GA 3.0° TCH 24'.**RWY 02-20:** 3020X80 (TURF)**SERVICE:** FUEL 100LL, JET A+ LGT ACTIVATE PAPI Rwy 09 and Rwy 27 and MIRL Rwy 09-27—CTAF.**AIRPORT REMARKS:** Attended continuously. 24 hr fuel svc 406-768-3800.

For current arpt sfc conditions call 406-768-7400.

AIRPORT MANAGER: 406-768-3800**WEATHER DATA SOURCES:** AWOS-AV 135.325 (406) 448-2453.**COMMUNICATIONS:** CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 126.85

RADIO AIDS TO NAVIGATION: NOTAM FILE ISN.**WILLISTON (L) VORW/DME** 116.3 ISN Chan 110 N48°15.21'W103°45.04' 251° 57.1 NM to fld. 2372/12E. **HIWAS.****BILLINGS**

L-13E

IAP

PORT OF DEL BONITA**WHETSTONE INTL** (H28) 0 W UTC-7(-6DT) N49°00.00' W112°47.55'**GREAT FALLS**

4336 AOE NOTAM FILE GTF

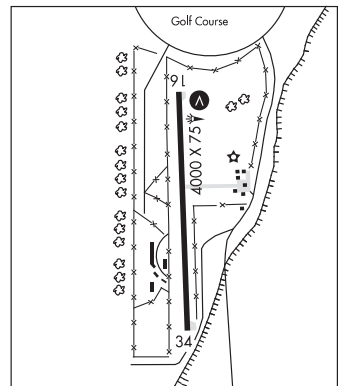
RWY 07-25: 4440X65 (TURF)**RWY 07:** P-line.**AIRPORT REMARKS:** Unattended. No snow removal. Rwy 07-25 gopher holes on sfc. Rwy 07 p-line marked with red balls. Rwy 07-25 cone markers every 200' both sides of rwy and red cones mark thlds.**AIRPORT MANAGER:** 406-444-2506**COMMUNICATIONS:** CTAF/UNICOM 122.8**RAVALLI CO** (See HAMILTON on page 94)**RED LODGE** (RED)(KRED) 1 NW UTC-7(-6DT) N45°11.25' W109°16.04'**GREAT FALLS**

5763 B NOTAM FILE GTF

L-13D

RWY 16-34: H4000X75 (ASPH) S-4, D-6 MIRL**RWY 16:** VASI(V2L)—GA 3.0° TCH 27'. Road.**RWY 34:** Road.**SERVICE:** LGT ACTIVATE MIRL Rwy 16-34 and VASI Rwy 16—CTAF.**AIRPORT REMARKS:** Unattended. Wildlife on and invof rwy.**AIRPORT MANAGER:** 406-425-1161**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE BIL.**BILLINGS (H) VORTACW** 114.5 BIL Chan 92 N45°48.51'

W108°37.48' 202° 46.1 NM to fld. 3811/14E.

**RICHEY** (7U8) 1 SW UTC-7(-6DT) N47°37.59' W105°04.78'**BILLINGS**

2494 NOTAM FILE GTF

RWY 14-32: 2690X75 (TURF-DIRT)**RWY 32:** Hill.**AIRPORT REMARKS:** Unattended. Rwy 14-32 center 20' of rwy soft graded dirt, perimeter is turf, rough. No snow removal.**AIRPORT MANAGER:** 406-444-2506**COMMUNICATIONS:** CTAF 122.9

RIDDICK FLD (See PHILIPSBURG on page 107)

ROCK CREEK (See CLINTON on page 82)

RONAN (7SØ) 3 N UTC-7(-6DT) N47°34.03' W114°06.06'
3086 B NOTAM FILE GTF

RWY 16-34: H4800X75 (ASPH) MIRL

RWY 16: PAPI(P2L)—GA 3.0° TCH 21'.

RWY 34: PAPI(P2L)—GA 3.0° TCH 22'.

SERVICE: **FUEL** 100LL, JET A, A+ **LGT** ACTIVATE MIRL Rwy 16-34 and PAPI Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs via self serve credit card svc. Cold temperature restricted airport. Altitude correction required at or below -27C/-17F. Rwy 16-34 markings faded. Rwy 16 PAPI not coincident with LPV apch.

AIRPORT MANAGER: (406) 544-8004

COMMUNICATIONS: CTAF/AUNICOM 122.8

SALT LAKE CENTER APP/DEP CON 133.4

RADIO AIDS TO NAVIGATION: NOTAM FILE FCA.

KALISPELL (H) VORW/DME 113.2 FCA Chan 79 N48°12.85'
W114°10.55' 158° 39.0 NM to fld. 2984/18E.

VOR/DME unusable:

010°-070° byd 10 NM

160°-280° byd 30 NM blo 13,000'

350°-010° byd 10 NM blo 23,000'

VOR unusable:

070°-088° byd 20 NM blo 16,000'

088°-113° byd 22 NM blo 13,000'

088°-113° byd 35 NM blo 16,000'

DME unusable:

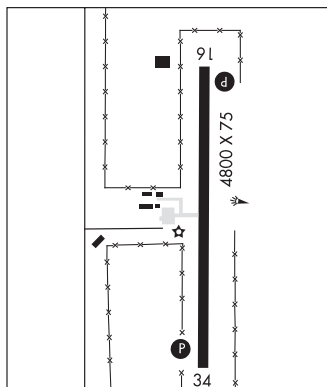
070°-113° byd 20 NM blo 16,000'

070°-113° byd 37 NM

GREAT FALLS

L-13C

IAP



ROSS INTL (See SWEETGRASS on page 116)

ROTORCRAFT HELIPORT (See HAMILTON on page 94)

ROUNDUP (RPX)(KRPX) 2 N UTC-7(-6DT) N46°28.50' W108°32.61'
3490 B NOTAM FILE GTF

RWY 07-25: H5099X75 (ASPH) S-12.5 MIRL 0.7% up W

RWY 07: PAPI(P2L)—GA 4.0° TCH 43'.

RWY 25: PAPI(P2L)—GA 3.0° TCH 42'.

RWY 16-34: 2460X100 (TURF-DIRT) 0.8% up S

SERVICE: S4 **FUEL** 100LL, JET A1 **LGT** ACTIVATE MIRL Rwy 07-25 and PAPI Rwy 07 and Rwy 25—122.7.

AIRPORT REMARKS: Unattended. Parachute Jumping. Svc avbl by phone 406-855-7354. Credit card self svc fuel avbl 24 hrs. Wildlife on and invof arpt. Ultralights on and invof arpt. Radio ctl airplane ops on arpt. Rgt tlc Rwy 25 from 0500-1400Z+. Rwy 16-34 marked with white cones full length, red cones mark thld.

AIRPORT MANAGER: 406-323-1564

COMMUNICATIONS: CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 127.75

RADIO AIDS TO NAVIGATION: NOTAM FILE BIL.

BILLINGS (H) VORTACW 114.5 BIL Chan 92 N45°48.51'
W108°37.48' 351° 40.1 NM to fld. 3811/14E.

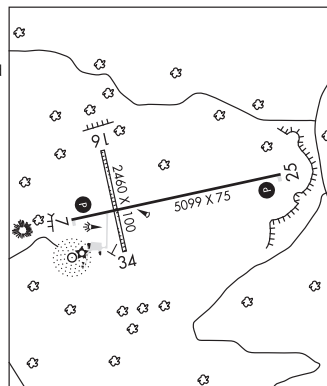
NDB (MHW) 362 RPX N46°28.27'

W108°33.08' at fld. NOTAM FILE GTF. VFR only.

BILLINGS

H-1E, L-13D

IAP



RUSSIAN FLAT (M42) 0 N UTC-7(-6DT) N46°43.46' W110°25.07'

GREAT FALLS

6336 NOTAM FILE GTF

RWY 07-25: 3000X65 (TURF)

RWY 07: Trees.

RWY 25: REIL. Trees.

AIRPORT REMARKS: Unattended. Wildlife and livestock possible on rwy. Rwy 07-25 NSTD markings, thld and 1/4 distances marked with white turf rwy cones. Recommended tkf Rwy 07, ldg Rwy 25. Uphill slope to west.

AIRPORT MANAGER: 406-566-2292**COMMUNICATIONS:** CTAF 122.9

RYEGATE (8UØ) 1 S UTC-7(-6DT) N46°17.43' W109°14.86'

GREAT FALLS

3689 B NOTAM FILE GTF

RWY 07-25: 3440X100 (TURF)

AIRPORT REMARKS: Unattended. No snow removal. Rwy 07-25 sfc condition rough. Rwy 07-25 marked by white cones full length.

AIRPORT MANAGER: 406-444-2506**COMMUNICATIONS:** CTAF 122.9

SAIGE N45°51.13' W108°41.67' NOTAM FILE BIL.

BILLINGS

NDB (LOM) 251 BI 099° 6.9 NM to Billings Logan Intl.

ST IGNATIUS (52S) 1 NE UTC-7(-6DT) N47°19.50' W114°04.85'

GREAT FALLS

3006 B NOTAM FILE GTF

RWY 08-26: H2610X60 (ASPH) LIRL 1.4% up E

RWY 08: Road.

RWY 26: Bldg.

SERVICE: S2 **FUEL** 100LL **LGT** ACTIVATE LIRL Rwy 08-26—122.9.

AIRPORT REMARKS: Attended continuously. Telephone on fld 406-745-4008. Migratory flocks of birds invof rwy. Snow removal. Rwy 08 90' relocated thld for ngt ops only. Rwy 26 243' relocated thld for ngt ops only. 2277' avbl for ngt ops. Rwy 08-26 100' unlgtd, Rwy 26 240' unlgtd, 2370' lgtd at ngt.

AIRPORT MANAGER: (406) 544-8004**COMMUNICATIONS:** CTAF 122.9

ST LABRE MISSION (See ASHLAND on page 74)

SAND SPRINGS STRIP (8U1) 1 NW UTC-7(-6DT) N47°06.25' W107°30.18'

BILLINGS

3180 TPA—3900(720) NOTAM FILE GTF

RWY 10-28: 2400X60 (TURF) 0.9% up E

RWY 10: Road.

AIRPORT REMARKS: Attended dalgt hrs. No snow plowing in winter. Animals on and invof rwy. Rwy 10-28 may be soft when wet. No ldg on twy connected to Rwy 28.

AIRPORT MANAGER: 406-449-8182**COMMUNICATIONS:** CTAF/UNICOM 122.8

SCHAFER (USFS) (8U2) 15 SE UTC-7(-6DT) N48°04.78' W113°14.70'

GREAT FALLS

4856 NOTAM FILE GTF

RWY 07-25: 3200X60 (TURF)

RWY 07: Trees.

RWY 25: Trees.

AIRPORT REMARKS: Unattended. Summer phone 406-752-7345. Watch for horses or big game animals on rwy. Low area north side of rwy approximately 1100' from AER 25, use caution. Trees and terrain in transition sfc both sides of rwy full length. Primary purpose of air station is a trailhead for wilderness areas. Rwy 07 first 800' unmarked except thld. Rwy 25 rwy cone width may vary. First 2400' marked with white cones 200' apart. First 400' of Rwy 25 is uneven, bouncy and rough. Tkf and land Rwy 25 conditions permitting.

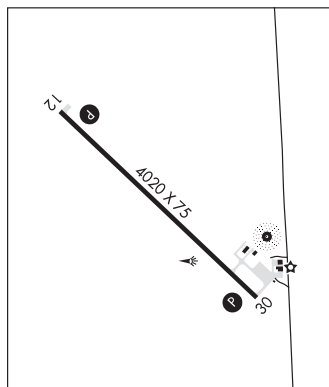
AIRPORT MANAGER: 406-758-5376**COMMUNICATIONS:** CTAF 122.9

SCOBEY**SCOBEY** (9S2) 1 NW UTC-7(-6DT) N48°48.46' W105°26.37'

2434 B NOTAM FILE GTF

Rwy 12-30: H4020X75 (ASPH) S-11 MIRL 1.1% up SE**Rwy 12:** PAPI(P2L)—GA 3.0° TCH 25'.**Rwy 30:** PAPI(P2L)—GA 3.0° TCH 22'.**SERVICE:** S4 FUEL 100LL, JET A LGT MIRL Rwy 12-30, PAPI Rwy 12 and Rwy 30 opr dusk-0600Z†, after 0600Z† ACTIVATE—CTAF.**AIRPORT REMARKS:** Attended Mon-Fri 1500-0000Z†. For fuel after hrs call 406-487-5544. Deer on and infov arpt.**AIRPORT MANAGER:** 406-487-2725**COMMUNICATIONS:** CTAF/AUNICOM 122.8**SALT LAKE CENTER APP/DEP CON** 126.85**RADIO AIDS TO NAVIGATION:** NOTAM FILE GGW.**GLASGOW (H) VORW/DME** 113.9 GGW Chan 86 N48°12.92' W106°37.53' 039° 59.2 NM to fld. 2283/14E.**NDB (MHW)** 283 SCO N48°48.43'

W105°25.98' at fld. NOTAM FILE GTF. VFR only.

BILLINGS**L-13E****IAP****SCOBEY BORDER STATION (EAST POPLAR INTL)** (8U3) 13 N UTC-7(-6DT) N48°59.97' W105°24.02' **BILLINGS**

2501 LRA NOTAM FILE GTF

Rwy 07-25: 3330X75 (TURF) 1.7% up E**Rwy 07:** Pole.**AIRPORT REMARKS:** Unattended. May have livestock on and infov arpt. No snow removal. Rwy 07-25 soft when wet. Rwy 07-25 marked with cones full length. Rwy 07-25 sfc rolling with gopher holes.**AIRPORT MANAGER:** 406-444-2506**COMMUNICATIONS:** CTAF 122.9**SEELEY LAKE****LINDEY'S LANDING WEST SPB** (M35) 1 NW UTC-8(-7DT) N47°10.46' W113°28.80'

3993 NOTAM FILE GTF

WATERWAY 12-30: 14000X1000 (WATER)**SERVICE:** FUEL MOGAS**SEAPLANE REMARKS:** Attended continuously.**AIRPORT MANAGER:** 406-677-4101**COMMUNICATIONS:** CTAF 122.9**GREAT FALLS****SEELEY LAKE** (23S) 2 E UTC-7(-6DT) N47°10.92' W113°26.71'

4256 B NOTAM FILE GTF

Rwy 16-34: 4575X75 (TURF) 1.7% up NW**Rwy 16:** Trees.**AIRPORT REMARKS:** Unattended. Birds and wildlife on and infov arpt. Ultralights on and infov arpt. Snow removal intermittent, call arpt mgr for current cond 406-444-2506. Tkfs to north not recommended due to rising terrain. Rwy 34 has 1150' overrun avbl for tkf and ldg. Rwy 16 cones with reflective tape along full length of rwy exc dur winter months. Rwy 34 marked full length with white cones with reflective tape, summer months.**AIRPORT MANAGER:** 406-444-2506**COMMUNICATIONS:** CTAF 122.9**GREAT FALLS**

SHELBY (SBX)(KSBX) 2 N UTC-7(-6DT) N48°32.44' W111°52.28'
3443 B NOTAM FILE GTF

GREAT FALLS
H-1D, L-13C
IAP

RWY 05-23: H5005X75 (ASPH) S-12.5 MIRL 0.5% up NE

RWY 05: PAPI(P2L)—GA 3.0° TCH 29'.

RWY 23: PAPI(P2L)—GA 3.0° TCH 32'. Road.

RWY 11-29: H3701X60 (ASPH) S-12.5 MIRL

RWY 11: PAPI(P2L)—GA 3.0° TCH 31'.

RWY 29: PAPI(P2L)—GA 3.0° TCH 38'.

SERVICE: FUEL 100LL, JET A+ LGT ACTIVATE MIRL Rwy 05-23, Rwy 11-29, PAPI Rwy 05, Rwy 23, Rwy 11 and Rwy 29—CTAF.

AIRPORT REMARKS: Attended 1500-0100Z±. For fuel after hrs call 406-450-2461 or 406-450-2463. Self svc credit card for 100LL and Jet A+. Fuel truck avbl for Jet A+. Cold temperature restricted airport. Altitude correction required at or below -36C/-33F. Deer on and in/ov arpt. Twy edges marked with reflectors.

AIRPORT MANAGER: 406-434-2462

COMMUNICATIONS: CTAF/UNICOM 122.8

CUT BANK RCO 122.2 (GREAT FALLS RADIO)

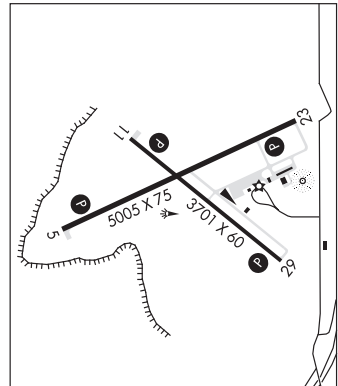
SALT LAKE CENTER APP/DEP CON 133.4

RADIO AIDS TO NAVIGATION: NOTAM FILE CTB.

CUT BANK (L) VORTACW 114.4 CTB Chan 91 N48°33.90'

W112°20.60' 077° 18.9 NM to fld. 3791/17E.

NDB (MHW) 347 SBX N48°32.46' W111°51.75' at fld. NOTAM FILE GTF.



SHER-WOOD (See PLENTYWOOD on page 108)

SIDNEY-RICHLAND MUNI (SDY)(KSDY) 1 W UTC-7(-6DT) N47°42.41' W104°11.55'
1985 B Class III, ARFF Index A NOTAM FILE SDY

BILLINGS
H-1F, 2H, L-13E
IAP, AD

RWY 01-19: H5705X100 (ASPH-GRVD) S-46.5, D-61, 2D-109 MIRL

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 33'.

RWY 19: REIL. PAPI(P2L)—GA 3.0° TCH 41'. Tree. Rgt tfc.

RWY 11-29: H4024X100 (ASPH-GRVD) S-12, D-18 MIRL 0.4% up NW

RWY 11: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Road. Rgt tfc.

RWY 29: REIL. PAPI(P2L)—GA 3.0° TCH 27'. Road.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 01: TORA-5705 TODA-5705 ASDA-5705 LDA-5705

RWY 11: TORA-4023 TODA-4023 ASDA-4023 LDA-4023

RWY 19: TORA-5705 TODA-5705 ASDA-5705 LDA-5705

RWY 29: TORA-4023 TODA-4023 ASDA-4023 LDA-4023

SERVICE: S4 FUEL 100LL, JET A QX3 LGT ACTIVATE MIRL Rwy 01-19 and Rwy 11-29, REIL Rwy 01, Rwy 11, Rwy 19 and Rwy 29 and PAPI Rwy 01, Rwy 11, Rwy 19, and Rwy 29—CTAF.

AIRPORT REMARKS: Attended 1200-0500Z±. On call 24 hrs a day. For arpt cond, ctc arpt mgnt 406-433-2415.

AIRPORT MANAGER: 406-433-2415

WEATHER DATA SOURCES: AWOS-3 119.275 (406) 482-7323.

COMMUNICATIONS: CTAF/UNICOM 122.8

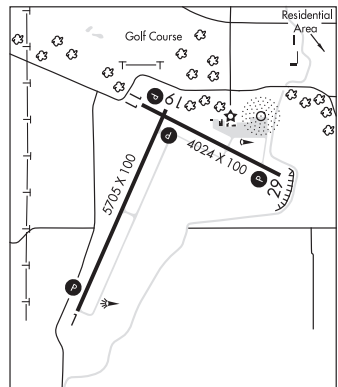
RCO 123.65 (GREAT FALLS RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE ISN.

WILLISTON (L) VORW/DME 116.3 ISN Chan 110 N48°15.21' W103°45.04' 197° 37.3 NM to fld. 2372/12E.

HIWAS.

NDB (HW) 359 SDY N47°42.69' W104°10.91' at fld. NOTAM FILE SDY.



SMITH LAKE N48°06.50' W114°27.67' NOTAM FILE FCA.
NDB (MHW) 515 SAK 019° 14.7 NM to Glacier Park Intl.

GREAT FALLS
L-13B

SPOTTED BEAR (USFS) (8U4) 3 NW UTC-7(-6DT) N47°57.70' W113°33.57'

GREAT FALLS

3672 NOTAM FILE GTF

RWY 14-32: 3800X78 (TURF-GRVL) 0.3% up SE

RWY 14: Trees.

RWY 32: Trees.

AIRPORT REMARKS: Unattended. Mountains and trees in transition area both sides of rwy. Rwy 14-32 up to 4" rock on rwy sfc.

Rwy 14-32 north quarter of strip has a slight dog-leg, dog-leg begins 1100' from north end. Rwy 14 first 1400' of rwy not marked with white cones. Rwy 32 first 2400' marked with cones spaced 200' apart.

AIRPORT MANAGER: 406-758-5376

COMMUNICATIONS: CTAF 122.9

STANFORD/BIGGERSTAFF FLD (S64) 1 S UTC-7(-6DT) N47°08.81' W110°13.80'

GREAT FALLS

4327 B NOTAM FILE GTF

L-13D

RWY 11-29: H4200X75 (ASPH) S-12 MIRL 0.3% up W

RWY 29: PAPI(P2L)—GA 3.0° TCH 30'.

RWY 07-25: 1760X100 (TURF) 0.7% up W

SERVICE: FUEL 100LL, MOGAS LGT ACTIVATE MIRL Rwy 11-29 and PAPI Rwy 29—CTAF.

AIRPORT REMARKS: Attended irregularly. Mogas available from station attendant across from hangars. Conditions not reported during winter months ctc arpt manager for conditions 406-566-2277.

AIRPORT MANAGER: (808) 754-1639

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE LWT.

LEWISTOWN (H) VOR/DME 112.0 LWT Chan 57 N47°03.18' W109°36.37' 268° 26.2 NM to fld. 4188/15E.

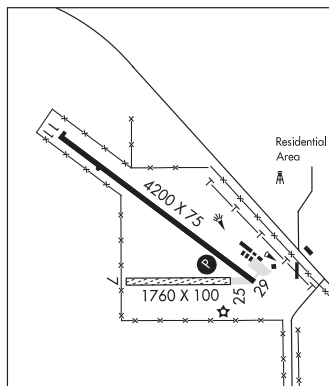
DME unusable:

040°-055° byd 30 NM blo 10,000'

360°-015° byd 30 NM blo 10,000'

VOR/DME unusable:

135°-155° byd 30 NM



STARR-BROWNING AIRSTRIP (See BROWNING on page 79)

STEVENSVILLE (32S) 2 NE UTC-7(-6DT) N46°31.51' W114°03.17'

3610 B NOTAM FILE GTF

RWY 12-30: H3800X60 (ASPH-PFC) S-12.5 MIRL 2.0% up SE

RWY 12: PAPI(P2L)—GA 3.0° TCH 37'.

RWY 30: Trees.

SERVICE: S4 **FUEL** 100LL **OX 4** **LGT** ACTIVATE MIRL Rwy 12-30 and PAPI Rwy 12—CTAF.

AIRPORT REMARKS: Unattended. Parachute Jumping. Fuel sold 24 hr by credit card self svc. Snow removal intermittent. Cold temperature restricted airport. Altitude correction required at or below -20C/-4F.

AIRPORT MANAGER: (406) 544-8800

COMMUNICATIONS: CTAF/UNICOM 122.8

SPOKANE APP/DEP CON 124.9 (1400-0620Z‡)

SALT LAKE CENTER APP/DEP CON 133.4 (0620-1400Z‡)

RADIO AIDS TO NAVIGATION: NOTAM FILE MSO.

MISSOULA (L) VOR/DME 112.8 MSO Chan 75 N46°54.48' W114°05.02' 160° 23.0 NM to fld. 3202/17E.

VOR/DME unusable:

043°-063° byd 30 NM

063°-082° byd 30 NM blo 14,000'

082°-150° byd 20 NM blo 11,000'

116°-150° byd 35 NM blo 13,000'

168°-223° byd 25 NM

223°-243° byd 20 NM blo 12,000'

223°-243° byd 30 NM

243°-258° byd 30 NM blo 12,000'

258°-273° byd 30 NM blo 10,000'

293°-343° byd 30 NM

343°-043° byd 10 NM

VOR portion unusable:

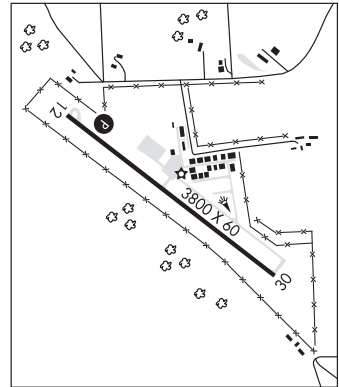
082°-116° byd 27 NM blo 13,000'

082°-116° byd 36 NM blo 14,000'

DME portion unusable:

082°-116° byd 27 NM blo 14,000'

082°-116° byd 39 NM



GREAT FALLS

L-13C

IAP

SUNBURST (8U5) 1 NW UTC-7(-6DT) N48°53.21' W111°55.31'

3406 NOTAM FILE GTF

RWY 05-23: 2700X140 (TURF) 1.8% up SW

RWY 05: Road.

RWY 23: Trees. Rgt tfc.

RWY 18-36: 1470X100 (TURF)

RWY 18: Fence.

AIRPORT REMARKS: Unattended. Rwy 05-23 and Rwy 18-36 rough with large gopher holes. Rwy 05-23 NSTD markings, has red and black panel markers full length of rwy and thlds. Rwy 18-36 NSTD markings, has red and black panel markers full length of rwy and thlds.

AIRPORT MANAGER: 406-937-7400

COMMUNICATIONS: CTAF 122.9

GREAT FALLS

SUPERIOR**MINERAL CO** (9S4) 2 SE UTC-7(-6DT) N47°10.10' W114°51.22'**GREAT FALLS**

2787 NOTAM FILE GTF

L-13B**RWY 12-30:** H3450X75 (ASPH) S-12**RWY 12:** Tree.**RWY 30:** Tree.**SERVICE:** FUEL 100LL**AIRPORT REMARKS:** Unattended. Mountainous terrain surrounding arpt.**AIRPORT MANAGER:** 406-382-0161**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE MSO.**MISSOULA (L) VOR/DME** 112.8 MSO Chan 75 N46°54.48' W114°05.02' 280° 35.3 NM to fld. 3202/17E.

VOR/DME unusable:

043°-063° byd 30 NM

063°-082° byd 30 NM blo 14,000'

082°-150° byd 20 NM blo 11,000'

116°-150° byd 35 NM blo 13,000'

168°-223° byd 25 NM

223°-243° byd 20 NM blo 12,000'

223°-243° byd 30 NM

243°-258° byd 30 NM blo 12,000'

258°-273° byd 30 NM blo 10,000'

293°-343° byd 30 NM

343°-043° byd 10 NM

VOR portion unusable:

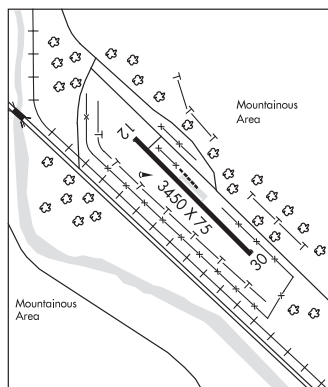
082°-116° byd 27 NM blo 13,000'

082°-116° byd 36 NM blo 14,000'

DME portion unusable:

082°-116° byd 27 NM blo 14,000'

082°-116° byd 39 NM

**SWEETGRASS****ROSS INTL** (7S8) 1 W UTC-7(-6DT) N48°59.91' W111°58.69'**GREAT FALLS**

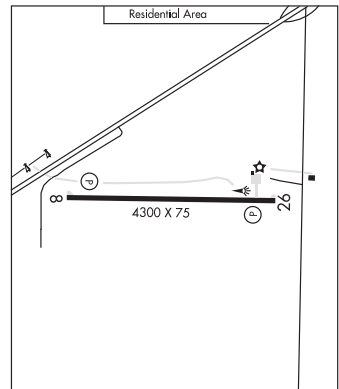
3553 LRA NOTAM FILE GTF

RWY 07-25: 2900X80 (TURF) 0.5% up E**RWY 25:** Pole.**AIRPORT REMARKS:** Unattended. No snow removal. Rwy 07-25 sfc muddy when wet. Gopher holes on rwy sfc. Eastern end and twy have heavy ruts. Rwy 07 red cones mark each thld and white cones spaced 200' mark rwy edges full length. +18' bldgs, +4' fences and +30' trees both sides of twy and rwy in transition sfc beginning 405' west of Rwy 25 east to Rwy 25 thld. Also Rwy 25 +22' fence 62' rgt and 515' from Rwy 25 end penetrates approach sfc. 3' metal stakes obstructions in tiedown area.**AIRPORT MANAGER:** 406-444-2506**COMMUNICATIONS:** CTAF/UNICOM 122.8**TARGY** N44°34.53' W111°11.85' NOTAM FILE WYS.**GREAT FALLS****NDB (HW/LOM)** 415 LO 013° 7.6 NM to Yellowstone.**L-13C**

NDB operates Jun - Sep

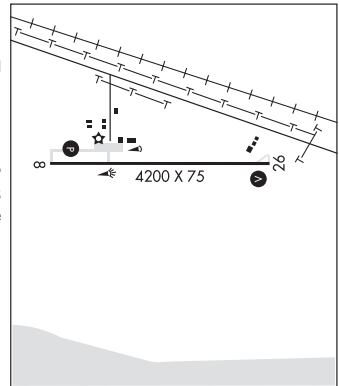
TERRY (8U6) 1 SE UTC-7(-6DT) N46°46.63' W105°18.79'
 2283 B NOTAM FILE GTF
RWY 08-26: H4300X75 (ASPH) S-12.5 MIRL
RWY 08: PAPI(P2L)—GA 4.0° TCH 36'.
RWY 26: PAPI(P2L)—GA 3.0° TCH 25'. Road.
AIRPORT REMARKS: Attended continuously. Snow removal intermittent.
 ACTIVATE MIRL Rwy 08-26—CTAF.
AIRPORT MANAGER: (406) 853-1876
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE MLS.
MILES CITY (H) VORW/DME 112.1 MLS Chan 58 N46°22.93'
 W105°57.21' 033° 35.6 NM to fld. 2666/15E.

BILLINGS
 L-13E



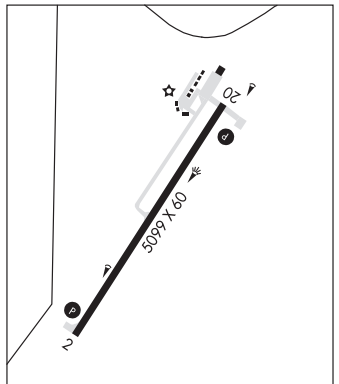
THOMPSON FALLS (THM)(KTHM) 3 SE UTC-7(-6DT) N47°34.40' W115°16.84'
 2467 B NOTAM FILE GTF
RWY 08-26: H4200X75 (ASPH) S-12.5 MIRL
RWY 08: PAPI(P2L)—GA 4.0° TCH 40'.
RWY 26: VASI(V2L)—GA 4.0° TCH 37'. Pole.
SERVICE: LGT VASI Rwy 26 OTS indef. ACTIVATE MIRL Rwy 08-26, PAPI Rwy 08 and VASI Rwy 26—CTAF.
AIRPORT REMARKS: Attended Mon-Fri 1600-0000Z+. Call arpt mgr at 406-827-0078 if arpt not attended. Waterfowl invof arpt. Snow removal intermittent. Call 406-827-0078 for rwy conditions. Marked gnd wires 7 miles East Mainland to Big Island. Rwy 26 VASI rotated 4° to the North of rwy cntrln and baffled 6° to South of rwy cntrln. Rwy 08 PAPI baffled horizontally byd 5° north and south of cntrln and unusable byd 2.6 NM.
AIRPORT MANAGER: 406-827-3519
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE MLP.
MULLAN PASS (H) VORW/DME 117.8 MLP Chan 125 N47°27.41'
 W115°38.76' 050° 16.4 NM to fld. 6100/15E. **HIWAS.**
 VOR portion unusable:
 060°-090° byd 20 NM blo 9,500'

GREAT FALLS
 L-13B



THREE FORKS (9S5) 1 SE UTC-7(-6DT) N45°52.69' W111°34.17'
 4089 B NOTAM FILE GTF
RWY 02-20: H5099X60 (ASPH) S-12 MIRL
RWY 02: PAPI(P2L)—GA 3.0° TCH 24'.
RWY 20: PAPI(P2L)—GA 3.0° TCH 25'.
SERVICE: S4 FUEL 100LL LGT ACTIVATE MIRL Rwy 02-20 and PAPI Rwy 02 and Rwy 20—CTAF.
AIRPORT REMARKS: Attended continuously. Fuel 24 hr credit card svc avbl. Ultralight activity on and invof arpt. Parachute Jumping. Ocnl aerobic maneuvers invof arpt. Upon departure, all acft must reach 500' alt prior to making any turns.
AIRPORT MANAGER: 406-285-6852
COMMUNICATIONS: CTAF/AUNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE BZN.
BOZEMAN (H) VORW/DME 112.4 BZN Chan 71 N45°47.03'
 W111°09.33' 270° 18.3 NM to fld. 4436/18E.
 VOR portion unusable:
 360°-105° byd 20 NM
 DME portion unusable:
 350°-105° byd 20 NM

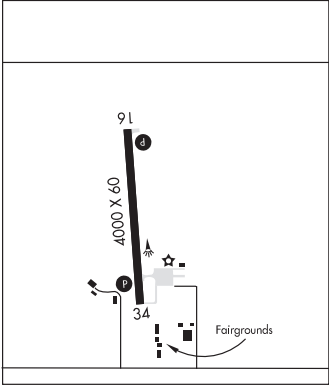
GREAT FALLS
 H-1D, L-13C



TIBER DAM (B7Ø) 1 SW UTC-7(-6DT) N48°18.83' W111°06.55' 3023 NOTAM FILE GTF RWY 12-30: 2550X90 (TURF) RWY 30: Road. AIRPORT REMARKS: Unattended. No snow removal. Rwy 12-30 marked with white cones full length spaced every 200'. Rwy 12-30 may be rough. AIRPORT MANAGER: 406-444-2506 COMMUNICATIONS: CTAF 122.9	GREAT FALLS
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TILLITT FLD (See FORSYTH on page 89)	
TIMBER N46°20.88' W104°15.38' NOTAM FILE BHK. NDB (HW) 344 BKU at Baker Muni.	BILLINGS L-13E

TOWNSEND CANYON FERRY (8U9) 7 NW UTC-7(-6DT) N46°25.13' W111°34.63' 3840 NOTAM FILE GTF RWY 16-34: 3200X75 (GRVL) RWY 34: Thld dsplcd 597'. Road. AIRPORT REMARKS: Unattended. Rwy 16-34 loose rock and gravel up to 3 inches. Rwy 16-34 marked with white cones spaced 200' apart. Rwy 34 dsplcd thld marked with red cones. AIRPORT MANAGER: 406-351-1687 COMMUNICATIONS: CTAF/UNICOM 122.8	GREAT FALLS
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TOWNSEND (8U8) 2 E UTC-7(-6DT) N46°19.87' W111°28.96' 3893 B NOTAM FILE GTF RWY 16-34: H4000X60 (ASPH) S-12.5 MIRL 0.4% up S RWY 16: PAPI(P2L)—GA 3.0° TCH 30'. RWY 34: PAPI(P2L)—GA 4.0° TCH 30'. SERVICE: S2 FUEL 100LL LGT ACTIVATE MIRL Rwy 16-34 and PAPI Rwy 16 and Rwy 34—CTAF. AIRPORT REMARKS: Unattended. Intermittent snow removal on Rwy 16-34. Twy marked with reflectors. AIRPORT MANAGER: (406) 351-1687 COMMUNICATIONS: CTAF/UNICOM 122.8 RADIO AIDS TO NAVIGATION: NOTAM FILE BZN. BOZEMAN (H) VORW/DME 112.4 BZN Chan 71 N45°47.03' W111°09.33' 320° 35.6 NM to fld. 4436/18E. VOR portion unusable: 360°-105° byd 20 NM DME portion unusable: 350°-105° byd 20 NM	GREAT FALLS L-13C 
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TROY (57S) 1 NW UTC-7(-6DT) N48°28.81' W115°54.21'
2017 NOTAM FILE GTF

RWY 14-32: H3570X30 (ASPH)

RWY 14: Thld dsplcd 825'. Trees.

RWY 32: Thld dsplcd 780'. Trees. Rgt tfc.

AIRPORT REMARKS: Unattended. Pedestrians using walking track invof movement area. No snow removal. Rwy 14-32 dsplcd thlds marked with white arrows. Rwy markings faded.

AIRPORT MANAGER: 406-295-9112

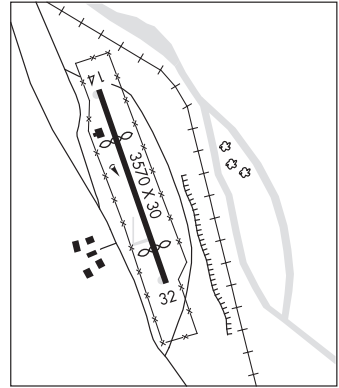
COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE MLP.

MULLAN PASS (H) VORW/DME 117.8 MLP Chan 125 N47°27.41'
W115°38.76' 336° 62.3 NM to fld. 6100/15E. **HIWAS.**

VOR portion unusable:

060°-090° byd 20 NM blo 9,500'



GREAT FALLS
L-13B

TRULY N47°21.95' W111°22.37' NOTAM FILE GTF.
NDB (HW) 371 ITU 348° 7.0 NM to Great Falls Intl.

GREAT FALLS
L-13C

TURNER (9U0) 1 NE UTC-7(-6DT) N48°51.02' W108°24.23'
3051 B NOTAM FILE GTF

RWY 07-25: H3612X60 (ASPH) S-12.5 MIRL

RWY 25: PAPI(P2L)—GA 3.0° TCH 38'.

RWY 10-28: 2190X90 (TURF)

SERVICE: FUEL 100LL LGT MIRL Rwy 07-25 and PAPI Rwy 25 opr dusk-0500Z, after 0500Z, ACTIVATE MIRL Rwy 07-25 and PAPI Rwy 25—CTAF.

AIRPORT REMARKS: Attended dawn-dusk Mon-Fri. Fuel, self service credit card 24/7. Rwy 10-28 marked with white cones full length thlds marked with red cones.

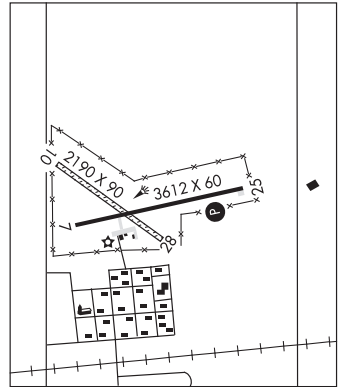
AIRPORT MANAGER: 406-379-2584

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE HVR.

HAVRE (L) VORW/DME 111.8 HVR Chan 55 N48°32.43'
W109°46.20' 055° 57.4 NM to fld. 2583/16E.

BILLINGS
L-13D



TWIN BRIDGES (7S1) 2 SE UTC-7(-6DT) N45°32.12' W112°18.14'
4789 B NOTAM FILE GTF

GREAT FALLS
H-1D, L-13C

RWY 17-35: H6000X60 (ASPH) S-60, D-78, 2D-99.9 MIRL

0.3% up N

RWY 17: PAPI(P2L)—GA 3.0° TCH 28'.

RWY 35: PAPI(P2L)—GA 3.0° TCH 35'.

RWY 07-25: 2866X100 (TURF-GRVL) 2.5% up E

SERVICE: S4 FUEL 100LL, JET A OX 3, 4 LGT ACTIVATE MIRL Rwy 17-35 and PAPI Rwy 17 and Rwy 35—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z. Ultralights on and invof arpt. Deer and antelope on and invof arpt. 195' tall twr 1.4 NM northeast of Rwy 17 thld.

AIRPORT MANAGER: 406-596-1129

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE DLN.

DILLON (H) VORW/DME 113.0 DLN Chan 77 N45°14.91'
W112°32.83' 013° 20.1 NM to fld. 5257/18E.

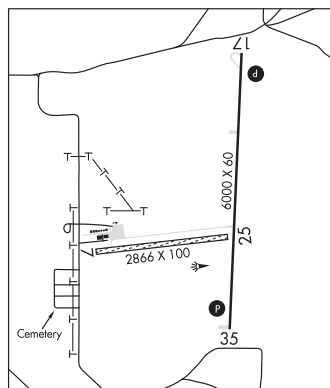
DME portion unusable:

045°-090° byd 30 NM blo 11,700'

090°-140° byd 30 NM blo 12,600'

140°-180° byd 30 NM blo 11,500'

275°-290° byd 30 NM blo 12,500'



VALIER (7S7) 1 S UTC-7(-6DT) N48°18.01' W112°15.07'
3826 NOTAM FILE GTF

GREAT FALLS

RWY 07-25: 3075X150 (TURF)

RWY 07: Trees.

RWY 25: Road. Rgt tfc.

RWY 04-22: 2280X300 (TURF)

RWY 04: Fence.

RWY 22: Road. Rgt tfc.

RWY 10-28: 2140X130 (TURF)

RWY 10: Fence.

RWY 28: Trees. Rgt tfc.

SERVICE: FUEL 100LL, JET A

AIRPORT REMARKS: Unattended. Waterfowl on and invof arpt. Rwy 07-25, Rwy 10-28 and Rwy 04-22 marked with white cones full length. Rwy 07 NSTD markings.

AIRPORT MANAGER: 406-271-4010

COMMUNICATIONS: CTAF 122.9

WEST FORK LODGE (See CONNER on page 83)

WEST YELLOWSTONE**YELLOWSTONE** (WYS)(KWYS) 1 N UTC-7(-6DT) N44°41.30' W111°07.06'**GREAT FALLS**

6649 B Class III, ARFF Index A NOTAM FILE WYS

H-1E, L-13C**RWY 01-19:** H8400X150 (ASPH-GRVD) S-90, D-150, 2S-175,**IAP**

2D-280 HIRL

RWY 01: MALSR. PAPI(P4L)—GA 3.0° TCH 50'.**RWY 19:** REIL. VASI(V4L)—GA 3.0° TCH 51'.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 01:** TORA-8400 TODA-8400 ASDA-8400 LDA-8400**RWY 19:** TORA-8400 TODA-8400 ASDA-8400 LDA-8400**SERVICE:** FUEL 100LL, JET A1+ LGT MALSR, REIL, VASI and HIRL out of svc Oct 1-May 31. ACTIVATE HIRL Rwy 01-19 and MALSR Rwy 01—CTAF not avbl from Oct 1 thru May 31 annually.**AIRPORT REMARKS:** Attended Jun-Sep 1500-0100Z†. Arpt avbl and staffed 1 Jun-30 Sept, ctc FBO 406-646-7359 or owner 406-444-2506/406-646-7631 for info other times. Arpt CLOSED Nov 15 through Apr 15. Check NOTAMS for opr dates or call 406-444-2506/406-646-7631. Parachute Jumping. For fuel dur off season hrs, call 208-326-8632. Heavy snowmobile use on and adjacent rwy winter months. PPR for air carrier ops with more than 30 pax seats, call arpt mgr 406-646-7631 or 406-459-9825. Cold temperature restricted airport. Altitude correction required at or below -18C/0F. No snow removal. Ldg fee for acft over 9,000 lbs.**AIRPORT MANAGER:** 406-646-7631**WEATHER DATA SOURCES:** AWOS-3P 118.1 (406) 646-7727.**COMMUNICATIONS:** CTAF/UNICOM 123.0

RCO 119.4 (GREAT FALLS RADIO)

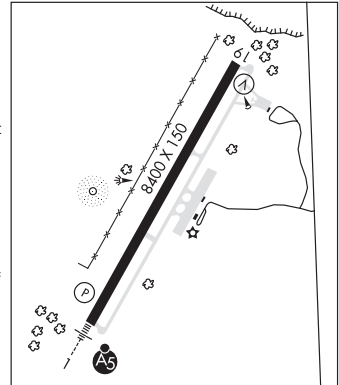
SALT LAKE CENTER APP/DEP CON 132.4

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.**DUBOIS (H) VORTACW** 116.9 DBS Chan 116 N44°05.33' W112°12.56' 037° 59.2 NM to fld. 4920/15E.**NDB (HW)** 338 ESY N44°41.38' W111°07.27' at fld. NOTAM FILE WYS. VFR only.

NDB operates Jun-Sep

TARGY NDB (HW/LOM) 415 LO N44°34.53' W111°11.85' 013° 7.6 NM to fld. NOTAM FILE WYS.

NDB operates Jun - Sep

ILS 110.7 I-LOW Rwy 01. Class IA. LOM TARGY NDB. ILS operates Jun-Sep. Localizer unusable inside threshold. LOC and glideslope unmonitored.**WHEATLAND CO AT HARLOWTON** (See HARLOWTON on page 95)**WHETSTONE INTL** (See PORT OF DEL BONITA on page 109)**WHITE SULPHUR SPRINGS** (7S6) 3 S UTC-7(-6DT) N46°29.74' W110°54.71'**GREAT FALLS**

5061 B NOTAM FILE GTF

H-1E, L-13C**RWY 01-19:** H6100X75 (ASPH) S-16.5 MIRL**RWY 01:** PAPI(P2L)—GA 3.0° TCH 39'.**RWY 19:** PAPI(P2L)—GA 3.0° TCH 35'. Thld dsplcd 231'.**RWY 13-31:** 3200X90 (TURF) 1.2% up SE**RWY 13:** Road.**RWY 31:** P-line.**SERVICE:** FUEL 100LL LGT ACTIVATE MIRL Rwy 01-19 and PAPI Rwy 01 and Rwy 19—CTAF.**AIRPORT REMARKS:** Unattended. Arpt clsd to helicopter ops over 5,000 lbs exc in designated fire fighting parking area. Antelope and birds freq on and invof arpt. Irrigation twrs AER 13.**AIRPORT MANAGER:** 406-261-4556**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE BZN.**BOZEMAN (H) VORW/DME** 112.4 BZN Chan 71 N45°47.03' W111°09.33' 355° 43.9 NM to fld. 4436/18E.

VOR portion unusable:

360°-105° byd 20 NM

DME portion unusable:

350°-105° byd 20 NM

WHITEFISH (58S) 1 E UTC-7(-6DT) N48°24.48' W114°17.97' **GREAT FALLS**
 3066 TPA-4066(1000) NOTAM FILE GTF
RWY 11-29: 2560X75 (TURF)
RWY 11: Thld dsplcd 278'. Trees.
RWY 29: Trees.
AIRPORT REMARKS: Unattended. Arpt CLOSED from 1 Nov through 30 May. No snow removal. Rwy 11-29 trees, railroad and p-lines in transitional sfc full rwy length on north side. Numerous gopher holes on arpt. Rwy 11-29 NSTD markings, marked with white cones. Rwy 11 dsplcd thld marked with red cones
AIRPORT MANAGER: 406-257-5994
COMMUNICATIONS: CTAF 122.9

WHITEHALL N45°51.71' W112°10.18' NOTAM FILE BTM. **GREAT FALLS**
(H) VOR/DME 113.7 HIA Chan 84 274° 14.8 NM to Bert Mooney. 4652/18E. **H-10, L-13C**
 VOR & DME unusable:
 105°-160° byd 25 NM blo 17,000'
 210°-230° byd 25 NM blo 17,000'
 260°-310° byd 25 NM blo 17,000'
 310°-330° byd 20 NM blo 17,000'
 355°-050° byd 25 NM blo 15,500'

WILLSALL (9U1) 4 NW UTC-7(-6DT) N46°02.98' W110°41.13' **GREAT FALLS**
 5134 NOTAM FILE GTF
RWY 01-19: 3100X78 (TURF)
AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Rwy 01-19 soft when wet, gopher holes on rwy. Rwy 01-19 NSTD markings, rwy and thld marked with white cones full length. Model airplane usage invof arpt.
AIRPORT MANAGER: 406-222-6504
COMMUNICATIONS: CTAF 122.9

WINIFRED

BLACK BUTTE NORTH (BBØ) 18 NE UTC-7(-6DT) N47°50.73' W109°11.22' **GREAT FALLS**
 3150 NOTAM FILE GTF
RWY 09-27: 1800X60 (TURF)
RWY 27: Hill.
AIRPORT REMARKS: Unattended. No snow removal. Wildlife and cattle on and invof arpt. Rwy maintenance irregular. Rwy soft and muddy when wet. Commercial acft ctc BLM manager 406-538-1950.
AIRPORT MANAGER: 406-538-1950
COMMUNICATIONS: CTAF 122.9

BULLWHACKER (BW8) 20 NE UTC-7(-6DT) N47°50.87' W109°05.97' **GREAT FALLS**
 3100 NOTAM FILE GTF
RWY 09-27: 1500X60 (TURF)
RWY 09: Trees.
AIRPORT REMARKS: Unattended. Wildlife and cattle on and invof arpt. Rwy soft and muddy when wet. Rwy maintenance irregular. No snow removal. Commercial acft ctc BLM manager 406-538-1950.
AIRPORT MANAGER: 406-538-1950
COMMUNICATIONS: CTAF 122.9

COW CREEK (CWØ) 27 NE UTC-7(-6DT) N47°56.85' W109°00.48' **GREAT FALLS**
 3300 NOTAM FILE GTF
RWY 09-27: 2200X60 (TURF)
AIRPORT REMARKS: Unattended. Wildlife and cattle on and invof arpt. Rwy soft and muddy when wet. Rwy maintenance irregular. No snow removal. Unimproved remote airstrip with rough sfc and high vegetation. Deep vehicle ruts south half of rwy. Commercial acft ctc BLM manager 406-538-1950.
AIRPORT MANAGER: 406-538-1950
COMMUNICATIONS: CTAF 122.9

HELLER FARM (L51) 23 WSW UTC-7(-6DT) N47°43.58' W108°52.50' **BILLINGS**
 2304 NOTAM FILE GTF Not insp.
RWY 11-29: 2998X80 (TURF-DIRT)
AIRPORT REMARKS: Attended irregularly.
AIRPORT MANAGER: 406-727-3192
COMMUNICATIONS: CTAF 122.9

KNOX RIDGE (MT3) 24 E UTC-7(-6DT) N47°37.00' W108°50.88'

GREAT FALLS

2950 NOTAM FILE GTF

RWY 09-27: 2100X60 (TURF)**AIRPORT REMARKS:** Unattended. Wildlife and cattle on and invof arpt. Rwy soft and muddy when wet. Rwy maintenance irregular. No snow removal. Commercial acft ctc BLM manager 406-538-1950.**AIRPORT MANAGER:** 406-538-1950**COMMUNICATIONS:** CTAF 122.9

LEFT COULEE (LCØ) 22 NE UTC-7(-6DT) N47°53.12' W109°01.37'

GREAT FALLS

3150 NOTAM FILE GTF

RWY 09-27: 1600X60 (TURF)**RWY 27:** Tree.**AIRPORT REMARKS:** Unattended. Wildlife and cattle on and invof arpt. Rwy soft and muddy when wet. Rwy maintenance irregular. No snow removal. Remote unimproved airstrip with rough sfc and high vegetation. Commercial acft ctc BLM manager 406-538-1950.**AIRPORT MANAGER:** 406-538-1950**COMMUNICATIONS:** CTAF 122.9

WINIFRED (9S7) 1 S UTC-7(-6DT) N47°33.10' W109°22.66'

GREAT FALLS

3311 NOTAM FILE GTF

RWY 08-26: 4400X150 (TURF) S-4**SERVICE:** FUEL 100LL**AIRPORT REMARKS:** Unattended. Emerg ctc 406-462-5487. Fuel avbl 24 hrs with credit card. Rwy sfc slope varies from nearly flat on both ends to 3% near the middle. Rwy 08-26 NSTD markings, marked full length with white cones.**AIRPORT MANAGER:** 406-462-5487**COMMUNICATIONS:** CTAF 122.9

WOODHAWK (WHØ) 15 NE UTC-7(-6DT) N47°46.77' W109°04.72'

GREAT FALLS

3100 NOTAM FILE GTF

RWY 09-27: 1200X60 (TURF)**RWY 09:** Trees.**RWY 27:** Trees.**AIRPORT REMARKS:** Unattended. Arpt CLOSED from Sep 1 to Nov 30 each year. No snow removal. Wildlife and cattle on and invof arpt. Rwy maintenance irregular. Rwy soft and muddy when wet. Remote unimproved airstrip with rough sfc and high vegetation. Commercial acft ctc BLM manager 406-538-1950.**AIRPORT MANAGER:** 406-538-1950**COMMUNICATIONS:** CTAF 122.9

WINNETT (7S2) 2 SW UTC-7(-6DT) N46°58.60' W108°21.90'

BILLINGS

2989 NOTAM FILE GTF

RWY 12-30: 3130X75 (TURF)**RWY 30:** P-line.**AIRPORT REMARKS:** Unattended. For rwy conditions call 406-423-6361 or 406-928-6363. No snow removal. Rwy muddy when wet. Rwy 30 p-line 50' 846' east marked with white and orange balls. Rwy 12-30 NSTD markings, marked with white cones.**AIRPORT MANAGER:** 406-429-6551**COMMUNICATIONS:** CTAF 122.9

WISDOM (7S4) 2 S UTC-7(-6DT) N45°35.50' W113°27.55'

GREAT FALLS

6133 NOTAM FILE GTF

RWY 01-19: 3445X60 (TURF)**RWY 01:** Road.**RWY 19:** Thld dsplcd 520'. Road.**AIRPORT REMARKS:** Unattended. Arpt CLOSED winter months. Rwy 01-19 wedge full length has 8" to 14" berm. Rwy 01-19 multiple gopher and badger holes, especially in southern end of rwy. Rwy 01 first 400' marked with white cones. Rwy 19 first 600' marked with white cones. Rwy 19 dsplcd thld marked with 4 red cones.**AIRPORT MANAGER:** (406) 660-1791**COMMUNICATIONS:** CTAF 122.9

WISE RIVER (Ø2T) 2 SW UTC-7(-6DT) N45°46.20' W112°58.83'

GREAT FALLS

5830 NOTAM FILE GTF

RWY 02-20: 4050X60 (TURF-DIRT) 1.3% up S**RWY 02:** Rgt t/c.**AIRPORT REMARKS:** Unattended. Arpt not plowed winter months. Rwy 02-20, 2 cones on each rwy end mark thlds.**AIRPORT MANAGER:** 406-832-3219**COMMUNICATIONS:** CTAF 122.9

WOKAL FLD/GLASGOW INTL (See GLASGOW on page 92)

WOLF POINT

L M CLAYTON (OLF)(KOLF) 3 NE UTC-7(-6DT) N48°05.67' W105°34.50'

1989 B TPA-2789(800) Class III, ARFF Index A NOTAM FILE OLF

RWY 11-29: H5091X100 (ASPH-GRVD) S-38, D-50 MIRL

RWY 11: REIL. VASI(V2L)—GA 3.0° TCH 25'. Road.

RWY 29: REIL. VASI(V2L)—GA 3.0° TCH 25'.

SERVICE: FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 11-29, REIL Rwy 11 and Rwy 29, VASI Rwy 11 and Rwy 29—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1300-0230Z†. For svc after normal business hrs call arpt manager 406-650-8303 or 406-650-8305. 24 hr self svc credit card fuel facility. Afd sfc conditions not monitored 0530-1130Z†. Cold temperature restricted airport. Altitude correction required at or below -30C/-22F.

AIRPORT MANAGER: 406-653-1852

WEATHER DATA SOURCES: ASOS 118.325 (406) 653-3865.

COMMUNICATIONS: CTAF/UNICOM 122.8

WOLF POINT RCO 122.45 (GREAT FALLS RADIO)

® **SALT LAKE CENTER APP/DEP CON** 126.85

RADIO AIDS TO NAVIGATION: NOTAM FILE GGW.

GLASGOW (H) VORW/DME 113.9 GGW Chan 86 N48°12.92'

W106°37.53' 085° 42.8 NM to fld. 2283/14E.

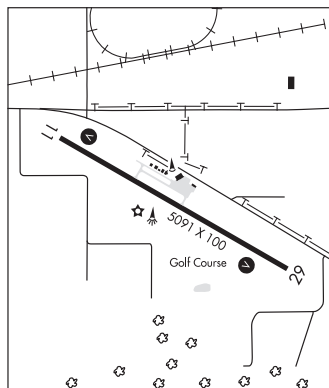
WOLF POINT NDB (HW) 404 OLF N48°06.27'

W105°36.11' 109° 1.2 NM to fld. NOTAM FILE OLF.

BILLINGS

H-1F, 2H, L-13E

IAP, AD



WOLTERMANN MEM (See COLUMBUS on page 83)

WOODHAWK (See WINIFRED on page 123)

YELLOWSTONE (See WEST YELLOWSTONE on page 121)

AGGET N44°40.56' W124°03.91' NOTAM FILE ONP.
NDB (LOM) 350 ON 158° 5.7 NM to Newport Muni. LOM unusable 360°-150°

SEATTLE

ALBANY MUNI (S12) 3 E UTC-8(-7DT) N44°38.27' W123°03.57'
 226 B NOTAM FILE MMV

SEATTLE
 L-1B
 IAP

RWY 16-34: H3004X75 (ASPH) S-30, D-43, 2D-71 MIRL

RWY 16: REIL. VASI(V4L)—GA 4.0° TCH 29'. Road.

RWY 34: REIL. VASI(V2L)—GA 4.0° TCH 25'. Trees.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 16-34, REIL Rwy 16 and Rwy 34 and VASI Rwy 16—CTAF.

AIRPORT REMARKS: Attended 1600-0100Z†. Twy marked by reflectors.

NSTD color on north and south ends. Rwy 16 has a 497' ovrn. Rwy 34 has a 160' ovrn.

AIRPORT MANAGER: 541-917-7605

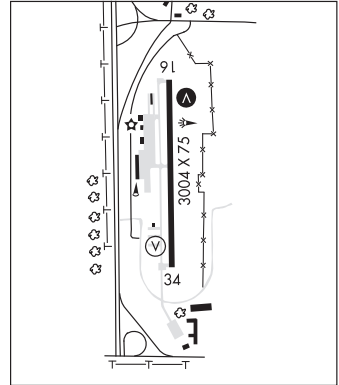
COMMUNICATIONS: CTAF/UNICOM 122.8

® **CASCADE APP/DEP CON** 127.5 (1400-0730Z†)

SEATTLE CENTER APP/DEP CON 125.8 (0730-1400Z†)

RADIO AIDS TO NAVIGATION: NOTAM FILE CVO.

CORVALLIS (H) VORW/DME 115.4 CVO Chan 101 N44°29.97' W123°17.62' 032° 13.0 NM to fld. 241/18E.



ALKALI LAKE STATE (R03) 8 N UTC-8(-7DT) N43°05.24' W119°58.56'
 4312 TPA—5312(1000) NOTAM FILE MMV

KLAMATH FALLS

RWY 18-36: 6100X150 (GRVL)

AIRPORT REMARKS: Unattended. Livestock frequently on rwy. Windssock midfield west side.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

ARLINGTON MUNI (1S8) 1 NE UTC-8(-7DT) N45°43.35' W120°10.62'

SEATTLE

890 NOTAM FILE MMV

RWY 06-24: 5000X50 (TURF)

RWY 24: Rgt tfc.

AIRPORT REMARKS: Unattended. Rwy 06-24 loose grvl on sfc, ctr portion grvl, sfc rough due to bunch grass growth.

AIRPORT MANAGER: 541-454-2743

COMMUNICATIONS: CTAF 122.9

ASHLAND MUNI-SUMNER PARKER FLD (S03) 2 E UTC-8(-7DT) N42°11.42' W122°39.64'

KLAMATH FALLS

L-21

1885 B TPA—2900(1015) NOTAM FILE MMV

RWY 12-30: H3603X75 (ASPH) S-15 MIRL 1.1% up SE

RWY 12: PAPI(P2L)—GA 3.75° TCH 37'. Tree.

RWY 30: REIL. PAPI(P2R)—GA 4.0° TCH 22'. Thld dsplcd 190'. Trees.

SERVICE: S4 FUEL 100LL, JET A QX 4 LGT ACTIVATE MIRL Rwy 12-30, and REIL Rwy 30—CTAF. PAPI Rwy 12 and Rwy 30 opr 24 hrs.

AIRPORT REMARKS: Attended Oct-Apr Mon-Sat 1600-0100Z†, May-Sep Mon-Sat 1600-0200Z†, Sun 1700-0100Z†. 24 hr credit card fuel available. Deer and birds on and invof arpt.

AIRPORT MANAGER: 541-482-7675

COMMUNICATIONS: CTAF/AUNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MFR.

ROGUE VALLEY (H) VORTACW 113.6 OED Chan 83 N42°28.77' W122°54.78' 128° 20.7 NM to fld. 2083/19E. HIWAS.

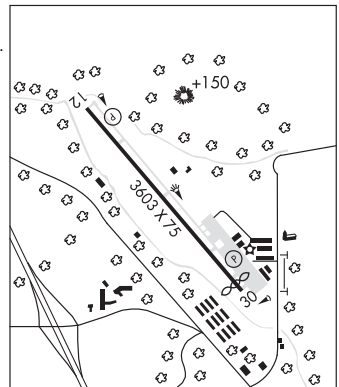
TACAN AZIMUTH unusable:

245°-350° byd 30 NM blo 10,000'

VOR unusable:

260°-270° byd 35 NM blo 9,000'

290°-300° byd 35 NM blo 8,500'



ASTORIA RGNL (AST)(KAST) P (CG) 3 SW UTC-8(-7DT) N46°09.48' W123°52.72'

14 B NOTAM FILE AST

SEATTLE
H-1B, L-1C
IAP

RWY 08-26: H5794X100 (ASPH) S-60, D-76, 2S-97, 2D-119 MIRL

RWY 08: REIL. VASI(V4L)—GA 3.0° TCH 38'. Thld dsplcd 300'. Tree.

RWY 26: MALSR. Thld dsplcd 713'. Dike.

RWY 13-31: H4467X100 (ASPH) S-60, D-76, 2S-97, 2D-119 MIRL

RWY 13: REIL. VASI(V4L)—GA 3.0° TCH 55'. Berm.

RWY 31: PAPI(P4L)—GA 4.0° TCH 70'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 08: TORA-5794 TODA-5794 ASDA-5194 LDA-4894

RWY 13: TORA-4467 TODA-4467 ASDA-4467 LDA-4467

RWY 26: TORA-5794 TODA-5794 ASDA-5494 LDA-4780

RWY 31: TORA-4467 TODA-4467 ASDA-4467 LDA-4467

SERVICE: S3 **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 08-26 and

Rwy 13-31, MALSR Rwy 26 and REIL Rwy

08—CTAF. **MILITARY**— **JASU** 1(MD-3) **FUEL** A+ (Port of Astoria, avbl

1600-0100Z†, C508-861-1222. OT C503-298-7531, \$50 fee).

(NC-100LL, A) **FLUID** SP

AIRPORT REMARKS: Attended 1600-0100Z†. For fuel outside nml working hrs ctc FBO 503-861-1222. Migratory flocks of waterfowl on and invof arpt. High concentration helicopter opr in area. Cold temperature restricted airport. Altitude correction required at or below -11C/12F.

AIRPORT MANAGER: 503-741-3300

WEATHER DATA SOURCES: ASOS 135.375 (503) 861-1371. HIWAS 114.0 AST.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.3 (MC MINNVILLE RADIO)

SEATTLE CENTER APP/DEP CON 124.2

AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE AST.

(L) **VORW/DME** 114.0 AST Chan 87 N46°09.70' W123°52.82' at fld. 11/19E. **HIWAS.**

VOR portion unusable:

019°-030° byd 35 NM blo 5,500'

030°-045° byd 30 NM blo 5,500'

045°-055° byd 30 NM blo 7,500'

080°-100° byd 34 NM blo 6,000'

120°-150° byd 33 NM blo 7,000'

150°-170° byd 36 NM blo 7,000'

170°-200° byd 15 NM blo 8,000'

180°-210° byd 10 NM blo 3,300'

180°-240° byd 5 NM blo 2,000'

200°-210° byd 20 NM blo 8,000'

210°-240° byd 30 NM blo 6,000'

240°-320° byd 12 NM blo 2,000'

240°-320° byd 25 NM blo 5,000'

320°-330° byd 30 NM blo 5,500'

330°-360° byd 20 NM blo 5,500'

DME portion unusable:

075°-088° byd 35 NM blo 7,000'

330°-360° byd 28 NM blo 6,300'

ILS 109.5 I-AST Rwy 26. Class IE. Unmonitored.



AURORA STATE (UAO)(KUAO) 1 NW UTC-8(-7DT) N45°14.83' W122°46.20'

200 B TPA-1200(1000) NOTAM FILE UAO

RWY 17-35: H5004X100 (ASPH-GRVD) S-30, D-45 MIRL

RWY 17: ODALS. VASI(V4R)—GA 3.5° TCH 38'. Trees.

RWY 35: VASI(V4L)—GA 3.25° TCH 51'. Tree.

SERVICE: S4 **FUEL** 100LL, JET A **QX1** **LGT** ACTIVATE MIRL Rwy 17-35, VASI Rwy 17 and Rwy 35 and ODALS Rwy 17—CTAF.

AIRPORT REMARKS: Attended 1500-0400Z†. Rwy 17 +30' p-line 2100' from thld, marked by balls. Rwy 17-35 has 150' blast pad at south end. Rwy 35 calm wind rwy. Use only paved sfc. Frequent straight-in instrument apch t/c to Rwy 17. Parallel twy 35' wide and has medium ints twy lgts.

AIRPORT MANAGER: 503-378-4880

WEATHER DATA SOURCES: ASOS 118.525 (503) 678-3011.

COMMUNICATIONS: CTAF 120.35

® **PORTLAND APP/DEP CON** 126.0 269.175 (LOW) 284.6 (HIGH)

AURORA TOWER 120.35 (1500-0400Z†) **GND CON** 119.15

CLNC DEL 119.95

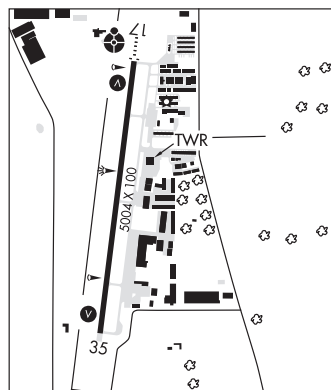
AIRSPACE: CLASS D svc airport 1500-0400Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE MMV.

NEWBERG (H) VORW/DME 117.4 UBG Chan 121 N45°21.19'

W122°58.69' 105° 10.9 NM to fld. 1440/21E. **HIWAS.**

LOG/DME 111.15 I-UAO Chan 48(Y) Rwy 17. Class IA. DME unusable beyond 15.2 NM blo 2,500'.



SEATTLE
H-1B, L-1B
IAP, AD

BAKER CITY MUNI (BKE)(KBKE) 3 N UTC-8(-7DT) N44°50.24' W117°48.55'

3373 B NOTAM FILE BKE

RWY 13-31: H5085X100 (ASPH) S-50, D-65, 2S-82 MIRL

RWY 13: REIL. VASI(V4L)—GA 3.0° TCH 55'. Road.

RWY 31: REIL. PAPI(P2L). Road.

RWY 17-35: H4359X75 (ASPH) S-30

RWY 17: Trees.

RWY 35: Thld displcd 397'.

RWY 08-26: H3670X140 (ASPH) S-30

RWY 08: Road.

RWY 26: Brush.

SERVICE: S2 **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 13-31, VASI Rwy 13, PAPI Rwy 31 and REIL Rwy 13 and Rwy 31—CTAF.

AIRPORT REMARKS: Attended Oct-Apr 1500-0000Z†, May-Sep 1600-0100Z†. Birds invof arpt. Rwy 08-26 and Rwy 17-35 no winter maintenance. Rws may be unusable due to snow accumulation. Rwy 13-31 parallel twy marked with reflectors. Cold temperature restricted airport. Altitude correction required at or below -25C/-13F.

AIRPORT MANAGER: 541-523-5663

WEATHER DATA SOURCES: ASOS 134.275 (541) 523-5412.

COMMUNICATIONS: CTAF/UNICOM 123.0

SALT LAKE CENTER APP/DEP CON 128.05

AIRSPACE: CLASS E svc continuous.

RADIO AIDS TO NAVIGATION: NOTAM FILE BKE.

(H) **VORW/DME** 115.3 BKE Chan 100 N44°50.44' W117°48.47' at fld. 3365/20E.

VOR/DME unusable:

005°-050° byd 30 NM blo 12,000'

110°-125° byd 15 NM blo 9,000'

110°-125° byd 30 NM blo 11,000'

125°-180° byd 15 NM

180°-200° byd 15 NM blo 12,000'

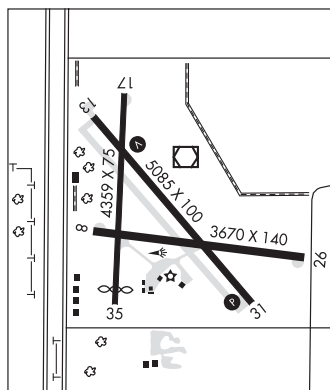
200°-230° byd 15 NM

230°-265° byd 15 NM blo 12,000'

230°-265° byd 20 NM

265°-290° byd 15 NM blo 12,000'

265°-290° byd 30 NM



SEATTLE
H-1C, L-13B
IAP

BANDON STATE (S05) 2 SE UTC-8(-7DT) N43°05.19' W124°24.47'

KLAMATH FALLS

122 B TPA—1122(1000) NOTAM FILE MMV

L-1A

RWY 16-34: H3601X60 (ASPH) S-12 MIRL 0.5% up S**RWY 16:** REIL. PAPI(P4L)—GA 4.0° TCH 45'. Trees.**RWY 34:** REIL. PAPI(P4L)—GA 4.0° TCH 40'. Trees.**SERVICE:** S4 **FUEL** 100LL **LGT** PAPI Rwy 16 OTS indef. ACTIVATE MIRL

Rwy 16-34, REIL Rwy 16 and Rwy 34 and PAPI Rwy 16 and Rwy 34—CTAF.

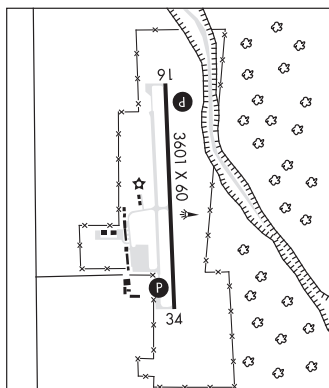
AIRPORT REMARKS: Attended 1500-0200Z†. Deer invof arpt. Twy marked with blue reflectors.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE OTH.**NORTH BEND (L) VORW/DME** 112.1 OTH Chan 58 N43°24.93'W124°10.11' 193° 22.4 NM to fld. 707/15E. **HIWAS.**

VOR/DME unusable:

011°-090° byd 30 NM blo 5,000'

091°-101° blo 6,000'

223°-343° byd 25 NM

**BANKS** N45°37.82' W123°02.75' NOTAM FILE HIO.

SEATTLE

NDB (MHW) 356 PND 127° 6.6 NM to Portland-Hillsboro.

L-1C

BEAVER MARSH STATE (2S2) 1 SW UTC-8(-7DT) N43°07.65' W121°48.52'

KLAMATH FALLS

4638 TPA—5638(1000) NOTAM FILE MMV

RWY 18-36: 4500X60 (DIRT)**RWY 18:** Trees.**RWY 36:** Trees.**AIRPORT REMARKS:** Unattended. Clsd winter months exc to ski equipped acft. Rwy 18-36 25' rwy width usable in center. Rwy 18-36 dirt sfc loose and powdery, creates clouds of dust, loose 2-5" rocks on sfc, rough. Numerous patches of 1' brush on rwy. 10-20' trees within 50' of east edge of rwy.**AIRPORT MANAGER:** (541) 554-6143**COMMUNICATIONS:** CTAF 122.9**BEAVER MOUNTAIN** N44°35.21' W117°47.26'

SEATTLE

RCO 122.4 (MC MINNVILLE RADIO)

H-1C, L-13B

BEND MUNI (BDN)(KBDN) 5 NE UTC-8(-7DT) N44°05.67' W121°12.01'

3460 B TPA—See Remarks NOTAM FILE MMV

RWY 16-34: H5200X75 (ASPH) S-30 MIRL 1.0% up SE

RWY 16: REIL. PAPI(P4L)—GA 3.0° TCH 39'. Trees.

RWY 34: REIL. PAPI(P4L)—GA 3.0° TCH 44'. Tree.

SERVICE: S4 **FUEL** 100LL, JET A **OX** 1, 3, 4 **LGT** ACTIVATE MIRL Rwy 16-34 and PAPI Rwy 16 and Rwy 34 and REIL Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1530-0200Z†, Sat-Sun 1600-0100Z†. Be aware, intense helicopter training continually in progress. Glider opr on and invof arpt. Extv geese act reported on and near arpt yr around. Deer and other wildlife may be present. Cold temperature restricted airport. Altitude correction required at or below -22C/-8F. Calm wind rwy is Rwy 16. To avoid property damage exercise judgement and courtesy during run-up invof hangars. Apron areas may be heavily congested at times with svc vehicles, pedestrian and automobile tfc. Taxilanes and apron are NSTD. Acft may rqr wing walkers, parking guidance and/or tugging at pilot discretion to insure acft clnc from obstacles. NS ABTMT procedures in effect, call FBO at 541-388-0019. Both twys parallel to Rwy 16-34 marked by reflectors. TPA—4460(1000) fixed wing, 3960(500) helicopter. Helicopters use rgt tfc.

AIRPORT MANAGER: 541-389-0258

WEATHER DATA SOURCES: AWOS-3 134.425 (541) 382-1477.

COMMUNICATIONS: CTAF/UNICOM 123.0

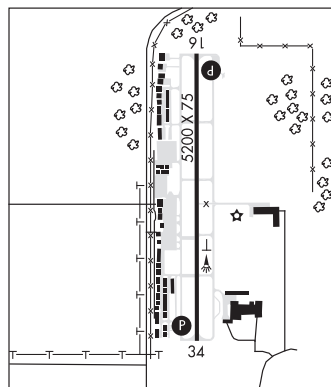
SEATTLE CENTER APP/DEP CON 128.15

RADIO AIDS TO NAVIGATION: NOTAM FILE RDM.

DESCHUTES (H) VORTACW 117.6 DSD Chan 123 N44°15.17' W121°18.21' 137° 10.5 NM to fld. 4101/18E. HIWAS.

VORTAC unusable:

220°-240° byd 30 NM



KLAMATH FALLS

H-1B, L-13A

IAF

BOARDMAN (M5Ø) 4 SW UTC-8(-7DT) N45°48.89' W119°49.23'

396 NOTAM FILE MMV

RWY 04-22: H4200X100 (ASPH) S-30 MIRL 0.7% up SW

RWY 22: Rgt tfc.

SERVICE: **LGT** ACTIVATE MIRL Rwy 04-22—122.9.

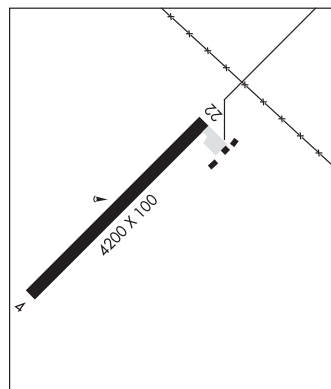
AIRPORT REMARKS: Unattended. Telephone avbl.

AIRPORT MANAGER: 541-481-7678

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE PDT.

PENDLETON (H) VORTACW 114.7 PDT Chan 94 N45°41.91' W118°56.32' 261° 37.7 NM to fld. 1559/20E. HIWAS.



SEATTLE

L-13A

BROOKINGS (BOK)(KBOK) 1 NE UTC-8(-7DT) N42°04.44' W124°17.39'

462 B TPA—1462(1000) NOTAM FILE BOK

RWY 12-30: H2900X60 (ASPH) S-11 MIRL 0.9% up NW

RWY 12: PAPI(P4L)—GA 4.0° TCH 40'. Trees. Rgt tfc.

RWY 30: PAPI(P4L)—GA 3.0° TCH 40'. Brush.

SERVICE: **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 12-30 and PAPI Rwy 12 and Rwy 30—CTAF.

AIRPORT REMARKS: Unattended. Deer and elk invof arpt gnds. Rpt rot bcn lgt beam obscured by taller trees northeast-southeast quadrant.

AIRPORT MANAGER: 541-247-3253

WEATHER DATA SOURCES: AWOS-3PT 132.025 (541) 412-8682.

COMMUNICATIONS: CTAF/UNICOM 122.8

KLAMATH FALLS

BURNS MUNI (BNO)(KBNO) 5 E UTC-8(-7DT) N43°35.52' W118°57.33'

KLAMATH FALLS

4159 B NOTAM FILE BNO

H-1C, L-11A

RWY 12-30: H5100X75 (CONC) S-30, D-50, 2D-90 MIRL

IAP

RWY 12: REIL. VASI(V2L)—GA 3.0° TCH 45'.**RWY 30:** REIL. VASI(V2L)—GA 3.0° TCH 45'. Road.**RWY 03-21:** H4600X60 (CONC) S-30 MIRL**RWY 03:** REIL. PAPI(P2L)—GA 3.0° TCH 40'. Thld dsplcd 600'. P-line.**RWY 21:** REIL. PAPI(P2L)—GA 3.0° TCH 40'.**SERVICE:** S4 FUEL 100LL, JET A OX 4 LGT Rwy 21 PAPI OTS indef.

Rwy 21 REIL OTS. ACTIVATE MIRL Rwy 03-21 and Rwy 12-30, PAPI

Rwys 03 and 21, VASI Rwys 12 and 30, and REIL Rwys 03, 12, 21

and 30—CTAF.

AIRPORT REMARKS: Attended Mon-Sat 1600-0200Z†. Terminal open 24 hrs. Self serve card lock fuel avbl 24 hrs. Flocks of large birds invof arpt

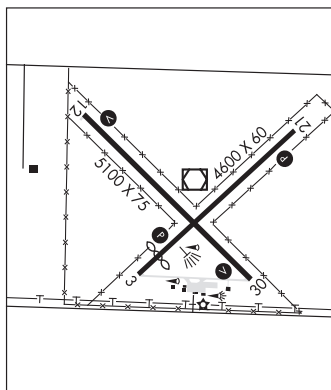
Feb-May and Sep-Oct. Cold temperature restricted airport. Altitude

correction required at or below -27C/-17F. Bottle oxygen obtainable

1/2 hr, Mon-Fri 1600-0100Z†.

AIRPORT MANAGER: 541-573-6139**WEATHER DATA SOURCES:** ASOS 135.575 (541) 573-1382. SAWRS.**COMMUNICATIONS:** CTAF/UNICOM 122.8

RCO 122.5 (MC MINNVILLE RADIO)

AIRSPACE: CLASS E svc 1500-2300Z† other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE BNO.**WILDHORSE (L) VORW/DME** 113.8 ILR Chan 85 N43°35.59' W118°57.30' at fld. 4146/18E.**CAPE BLANCO STATE** (See SIXES on page 161)**CASCADE LOCKS STATE** (CZK)(KCZK) 1 NE UTC-8(-7DT) N45°40.62' W121°52.73'

SEATTLE

151 TPA-1151(1000) NOTAM FILE CZK

RWY 06-24: H1800X30 (ASPH) S-4**RWY 06:** Tree.**RWY 24:** Road. Rgt tfc.**AIRPORT REMARKS:** Unattended. Owner advises ctc Oregon Dept. of Aviation 503-378-4880 prior to use. Unlighted powerlines

3NM SW of arpt. Terrain drops off rapidly to the west. Rwy surrounded by trees. Crosswinds can produce extreme low

level turbulence and unexpected wind currents.

AIRPORT MANAGER: 503-378-4880**COMMUNICATIONS:** CTAF 122.9**CAVE JUNCTION****ILLINOIS VALLEY** (3S4) 4 SW UTC-8(-7DT) N42°06.22' W123°40.95'

KLAMATH FALLS

1394 B TPA-2394(1000) NOTAM FILE MMV

L-21

RWY 18-36: H4807X75 (ASPH) S-20, D-30 LIRL 0.9% up S**RWY 18:** VASI(V2L)—GA 3.0° TCH 34'. Thld dsplcd 125'. Road.**RWY 36:** VASI(V2L)—GA 3.0° TCH 31'. Trees.**SERVICE:** LGT ACTIVATE LIRL Rwy 18-36, VASI Rwy 18 and Rwy

36—CTAF.

AIRPORT REMARKS: Unattended. Frequent ultra-light activity. Rwy 18 and

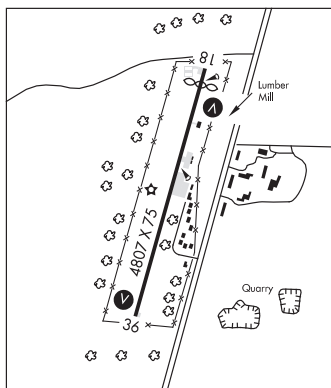
Rwy 36 VASI out of svc indefinitely. Rwy 36 designated calm wind rwy.

AIRPORT MANAGER: 541-955-4535**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE CEC.**CRESCENT CITY (L) VORTACW** 109.0 CEC Chan 27 N41°46.77'

W124°14.45' 038° 31.7 NM to fld. 53/14E.

TACAN AZIMUTH & DME unusable:

195°-235° byd 20 NM

**CHEHALEM AIRPARK** (See NEWBERG on page 147)

CHILOQUIN STATE (2S7) 1 W UTC-8(-7DT) N42°34.76' W121°52.74'

4221 B TPA—5221(1000) NOTAM FILE MMV

RWY 17-35: H3749X60 (ASPH) S-10 MIRL 0.8% up N**RWY 17:** Thld dsplcd 420'. Tree.**RWY 35:** Tree.**SERVICE:** LGT ACTIVATE MIRL Rwy 17-35—CTAF.**AIRPORT REMARKS:** Unattended. Irregular winter maintenance, arpt clsd when covered in snow. Downdraft area north of rwy. West side twy marked with reflectors.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE LMT.**KLAMATH FALLS (H) VORTACW** 115.9 LMT Chan 106 N42°09.19' W121°43.65' 328° 26.4 NM to fld. 4092/17E. **HIWAS.**

VOR portion unusable:

050°-060° byd 30 NM blo 12,000'

060°-120° byd 25 NM blo 12,000'

170°-195° byd 20 NM

210°-245° byd 25 NM blo 12,000'

270°-280° byd 20 NM

320°-050° byd 23 NM blo 12,000'

320°-050° byd 30 NM

TACAN AZIMUTH & DME portion unusable:

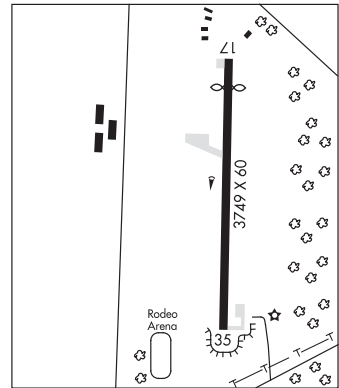
105°-125° byd 7 NM blo 12,000'

153°-195° byd 20 NM blo 11,000'

210°-305° byd 25 NM blo 10,500'

320°-105° byd 13 NM blo 13,000'

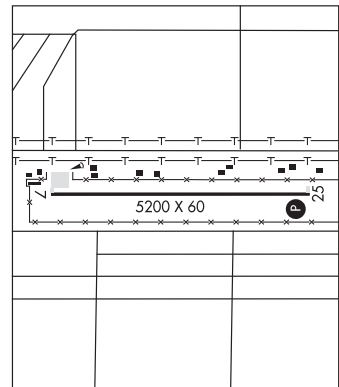
320°-125° byd 20 NM

**KLAMATH FALLS**

L-2J

CHRISTMAS VALLEY (62S) 1 SE UTC-8(-7DT) N43°14.18' W120°39.89'

4317 B NOTAM FILE MMV

RWY 07-25: H5200X60 (ASPH) S-12 MIRL**RWY 07:** Tree.**RWY 25:** PAPI(P2L)—GA 3.0° TCH 38'. Bldg.**SERVICE:** LGT ACTIVATE MIRL Rwy 07-25 and PAPI Rwy 25—CTAF.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** 541-576-2216**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE LKV.**LAKEVIEW (H) VORTACW** 112.0 LKV Chan 57 N42°29.57'W120°30.43' 332° 45.1 NM to fld. 7460/19E. **HIWAS.****COMM/NAV/WEATHER REMARKS:** UNICOM monitored irregularly.**KLAMATH FALLS**

H-1B, L-11A

CLEARWATER**TOKETE STATE** (3S6) 2 S UTC-8(-7DT) N43°13.41' W122°25.27'

3361 NOTAM FILE MMV

RWY 11-29: 5350X60 (TURF) 2.4% up SE**RWY 11:** Trees.**RWY 29:** Trees.**AIRPORT REMARKS:** Unattended. Arpt CLOSED from 1 Nov-1 May. Elk, deer and turkey on and invof arpt. Arpt on West side of Cascades and affected by wx West. Best info on arpt thru US Forest svc Roseburg, or lcl FBO at Roseburg. Rwy 11-29 graded, 60' wide, shoulders rough and rutted. Rwy 11-29 has +120' trees 250' either side of centerline. Rwy 11-29 thlds outlined with white tires. Trees 4'-30' along south side of rwy within 50' of centerline.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF 122.9**KLAMATH FALLS****COLUMBIA GORGE RGNL/THE DALLIES MUNI** (See THE DALLIES on page 162)

COLUMBIA N45°35.32' W122°36.68' NOTAM FILE PDX.

(H) TACAN 109.2 CBU Chan 29 at Portland Intl. 22/20E.

TACAN unusable:

030°-050° byd 20 NM blo 9,500'
155°-210° byd 20 NM blo 6,000'
210°-220° byd 20 NM blo 10,500'
220°-230° byd 20 NM blo 8,500'
230°-250° byd 15 NM blo 8,500'
250°-270° byd 20 NM blo 8,500'

SEATTLE
H-1B, L-1C

CONDON STATE PAULING FLD (3S9) 1 NE UTC-8(-7DT) N45°14.79' W120°09.99'

2911 B TPA-3911(1000) NOTAM FILE MMV

RWY 07-25: H3500X60 (CONC) S-12 MIRL

RWY 07: REIL. PAPI(P4L)-GA 3.0° TCH 40'. Road.

RWY 25: REIL. PAPI(P4L)-GA 3.0° TCH 40'. Ground.

SERVICE: LGT ACTIVATE MIRL Rwy 07-25, PAPI Rwy 07 and Rwy 25, and REIL Rwy 07 and Rwy 25-CTAF.

AIRPORT REMARKS: Unattended. Heavy AG ops Feb-Jun. Tmpy tie-down area/grvl parking apron clsd.

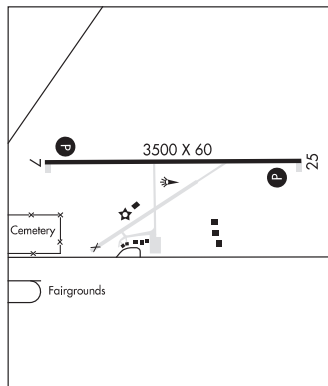
AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE DLS.

KLICKITAT (H) VORW/DME 112.3 LTJ Chan 70 N45°42.82'
W121°06.05' 104° 48.4 NM to fld. 3220/21E. HIWAS.

SEATTLE
L-13A



CORNELIUS

SKYPORT (4S4) 3 N UTC-8(-7DT) N45°34.96' W123°03.17'

174 NOTAM FILE MMV

RWY 16-34: 2000X45 (TURF)

RWY 16: Trees. Rgt tfc.

RWY 34: Thld dsplcd 200'. Road.

AIRPORT REMARKS: Attended 1400-0400Z†. Helicopter and ultralight ops prohibited. Rwy 16-34 rwy ends marked with half barrels. Rwy 34 dsplcd thld marked with L-shaped boards.

AIRPORT MANAGER: 503-648-9311

COMMUNICATIONS: CTAF 122.9

SEATTLE

CORVALLIS MUNI (CVO)(KCVO) 4 SW UTC-8(-7DT) N44°29.83' W123°17.37'

250 B TPA-1050(800) NOTAM FILE CVO

RWY 17-35: H5900X150 (ASPH) S-35, D-73, 2S-127, 2D-100 MIRL

RWY 17: MALSR. VASI(V4L)-GA 3.0° TCH 50'.

RWY 35: REIL. VASI(V4L)-GA 3.0° TCH 51'.

RWY 09-27: H3545X75 (ASPH) S-51, D-65, 2S-127, 2D-100 MIRL

RWY 27: PAPI(P4L)-GA 3.0° TCH 25'. Thld dsplcd 199'. Railroad.

SERVICE: S4 FUEL 100LL, JET A OX 1, 2, 3 LGT ACTIVATE MALSR Rwy 17 and MIRL Rwy 09-27 and REIL Rwy 35-CTAF.

AIRPORT REMARKS: Attended 1600Z†-dusk. Migratory waterfowl and other birds on and invof arpt. Heavy lift helicopter act on and invof arpt, be aware of possible rotor tip vortices.

AIRPORT MANAGER: 541-766-6783

WEATHER DATA SOURCES: AWOS-3 135.775 (541) 754-0081.

COMMUNICATIONS: CTAF/UNICOM 123.0

® CASCADE APP/DEP CON 127.5 (1400-0730Z†)

® SEATTLE CENTER APP/DEP CON 125.8 (0730-1400Z†)

RADIO AIDS TO NAVIGATION: NOTAM FILE CVO.

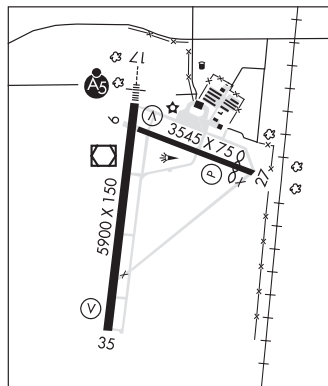
(H) VORW/DME 115.4 CVO Chan 101 N44°29.97'
W123°17.62' at fld. 241/18E.

LEWISBURG NDB (MHW) 225 LWG N44°36.82'

W123°16.24' 169° 7.0 NM to fld.

ILS 111.9 I-CVO Rwy 17. Class IT. Unmonitored.

KLAMATH FALLS
H-1B, L-1B
IAP



COTTAGE GROVE STATE (61S) 1 E UTC-8(-7DT) N43°48.25' W123°01.92'

KLAMATH FALLS

641 B TPA-1641(1000) NOTAM FILE MMV

L-1A

RWY 15-33: H3188X60 (ASPH) S-15 MIRL 0.3% up SE**RWY 15:** PAPI(P4L)—GA 3.0° TCH 45'. Tree.**RWY 33:** PAPI(P4R)—GA 4.2° TCH 45'. Tree. Rgt ttc.**SERVICE:** S2 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 15-33 PAPI Rwy 15 and Rwy 33—CTAF.**AIRPORT REMARKS:** Attended Mon-Sat 1800-0300Z†. If no attendant on duty, phone number is posted on pump. Fuel avbl 24 hr self serve cardlock. High concentration of birds on and in/ovf arpt. Deer on and in/ovf arpt all hrs. Twys 25' wide, marked with blue reflectors.**AIRPORT MANAGER:** 503-378-2523**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE EUG.**EUGENE (H) VORTACW** 112.9 EUG Chan 76 N44°07.25'W123°13.37' 136° 20.7 NM to fld. 364/20E. **HIWAS.**

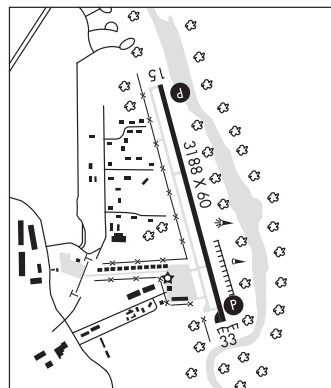
TACAN AZIMUTH unusable:

030°-050° byd 25 NM blo 9,400'

050°-070° byd 25 NM blo 9,000'

220°-225° byd 35 NM blo 5,500'

250°-290° byd 35 NM blo 7,500'

COMM/NAV/WEATHER REMARKS: Unicom monitored Mon-Fri 1500-0200Z†.**COUNTRY SQUIRE AIRPARK** (See SANDY on page 159)**CRESCENT LAKE STATE** (5S2) 2 NE UTC-8(-7DT) N43°31.96' W121°57.00'

KLAMATH FALLS

4810 TPA-5810(1000) NOTAM FILE MMV

L-1A

RWY 13-31: H3900X30 (ASPH)**RWY 13:** Trees.**RWY 31:** Thld displcd 275'. Trees.**AIRPORT REMARKS:** Unattended. Arpt CLOSED Nov 1-May 1 due to snow. Arpt closed to fixed wing aircraft. Rwy surrounded by trees. Owner advises ctc with State Department of Aviation 503-378-4880. Grvl occasionally on rwy due to runoff. Rwy 13-31 numerous areas of longitudinal and transverse cracking 1/2" to 3" wide & 2" to 3" deep.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDM.**DESCHUTES (H) VORTACW** 117.6 DSD Chan 123 N44°15.17' W121°18.21' 195° 51.5 NM to fld. 4101/18E.**HIWAS.**

VORTAC unusable:

220°-240° byd 30 NM

CRESWELL**HOBBY FLD** (77S) 1 NE UTC-8(-7DT) N43°55.85' W123°00.40'

KLAMATH FALLS

541 B TPA-1406(865) NOTAM FILE MMV

L-1A

RWY 15-33: H3102X60 (ASPH) S-12 MIRL**RWY 15:** PAPI(P2L)—GA 3.0°. Road.**RWY 33:** Trees.**SERVICE:** S4 **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 15-33 and PAPI Rwy 15—CTAF.**AIRPORT REMARKS:** Attended Mon-Fri 1700-0200Z†, Sat-Sun 1900-0000Z†. Self serve fuel avbl 24 hrs. Birds on and in/ovf arpt. Be aware mowing adj Rwy 15-33 wkdays. Parachute Jumping. Parachute jump area lctd east side of arpt. Be aware of skydivers crossing rwy. Ctc number for info and updates about skydiving ops, 541-895-3029. PAEW adj to Rwy 15-33 wkends 1600-0000Z†. Rwy 33 calm wind rwy.**AIRPORT MANAGER:** 541-895-2913**COMMUNICATIONS:** CTAF/UNICOM 122.7**RADIO AIDS TO NAVIGATION:** NOTAM FILE EUG.**EUGENE (H) VORTACW** 112.9 EUG Chan 76 N44°07.25'W123°13.37' 121° 14.8 NM to fld. 364/20E. **HIWAS.**

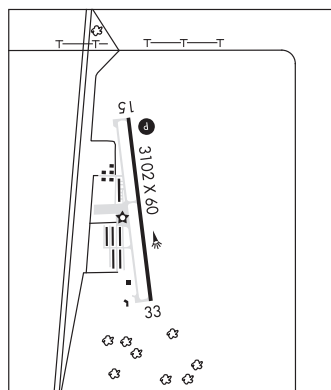
TACAN AZIMUTH unusable:

030°-050° byd 25 NM blo 9,400'

050°-070° byd 25 NM blo 9,000'

220°-225° byd 35 NM blo 5,500'

250°-290° byd 35 NM blo 7,500'



CULVER**LAKE BILLY CHINOOK STATE** (5S5) 6 W UTC-8(-7DT) N44°31.16' W121°19.24'

SEATTLE

2695 TPA—3695(1000) NOTAM FILE MMV

RWY 16-34: H2500X32 (ASPH)**RWY 16:** Thld dsplcd 660'. Trees.**AIRPORT REMARKS:** Unattended. Animals on and in vicinity of arpt. Grass area south of rwy not for acft ops. Rwy 16-34, loose rocks on rwy. Rwy 16-34 has restricted rwy sight distance. Rwy 16 NSTD dsplcd thld markings. Rwy 16-34 NSTD rwy markings no numbers or centerline.**AIRPORT MANAGER:** 503-550-2400**COMMUNICATIONS:** CTAF 122.9**DAVIS** (See GATES on page 136)**DESCHUTES** N44°15.17' W121°18.21' NOTAM FILE RDM.

KLAMATH FALLS

(H) VORTACW 117.6 DSD Chan 123 071° 6.6 NM to Roberts Fld. 4101/18E. **HIWAS.**

H-18, L-13A

VORTAC unusable:

220°-240° byd 30 NM

EASTERN OREGON RGNL AT PENDLETON (See PENDLETON on page 151)**EMIRE** N43°23.67' W124°18.62' NOTAM FILE OTH.

KLAMATH FALLS

NDB (LOM) 378 OT 049° 3.1 NM to Southwest Oregon Rgnl. NDB unusable 360°-165° byd 10 NM.

L-1A

ENTERPRISE MUNI (8S4) 0 E UTC-8(-7DT) N45°25.49' W117°15.89'

SEATTLE

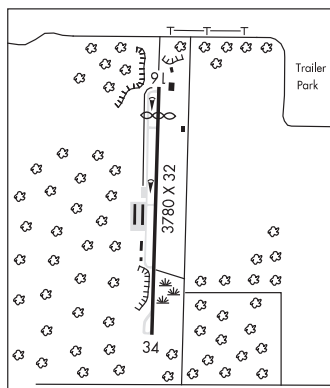
3957 B TPA—4957(1000) NOTAM FILE MMV

RWY 12-30: H2850X50 (ASPH) S-7 LIRL 1.5% up SE**SERVICE:** S2 **FUEL** 100LL**AIRPORT REMARKS:** Attended on call. For attendant call 541-426-3562. For fuel call 541-426-3288. No line of sight from rwy ends. Announce intentions arriving/departure on 122.8. 65' lgtd cell twr located 200' SW of Rwy 12. Be alert, soft edges and steep shoulders along rwy and twy. Parallel twy 20' wide, loose grvl on surface. Unlgtd helipad 150' SE of rotating bcn adjacent to twy.**AIRPORT MANAGER:** 541-426-3288**COMMUNICATIONS:** CTAF/UNICOM 122.8**RCO** 122.5 (MC MINNVILLE RADIO)**ESTACADA****VALLEY VIEW** (5S9) 1 NE UTC-8(-7DT) N45°18.49' W122°19.12'

SEATTLE

735 TPA—1685(950) NOTAM FILE MMV

L-1B

RWY 16-34: H3780X32 (ASPH)**RWY 16:** Thld dsplcd 490'. Trees.**RWY 34:** Trees.**AIRPORT REMARKS:** Attended irregularly. LIRL Rwy 16-34 lgts for private use only. Rwy 16 lgtd thld relocated 250' for ngt ops.**AIRPORT MANAGER:** 312-953-9055**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE MMV.**NEWBERG (H) VORW/DME** 117.4 UBG Chan 121 N45°21.19' W122°58.69' 074° 28.0 NM to fld. 1440/21E. **HIWAS.**

EUGENE**MAHLON SWEET FLD** (EUG)(KEUG) 7 NW UTC-8(-7DT) N44°07.48' W123°12.72'

374 B TPA-1174(800) Class I, ARFF Index B NOTAM FILE EUG

Rwy 16R-34L: H8009X150 (ASPH-GRVD) S-75, D-200, 2D-400

HIRL CL

Rwy 16R: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 50'. RVR-T**Rwy 34L:** ODALS. VASI(V4L)—GA 3.0° TCH 53'.**Rwy 16L-34R:** H6000X150 (ASPH-GRVD) S-105, D-175, 2D-240

HIRL

Rwy 16L: MALSR. PAPI(P4L)—GA 3.0° TCH 52'.**Rwy 34R:** REIL. PAPI(P4L)—GA 3.0° TCH 50'.**RUNWAY DECLARED DISTANCE INFORMATION****Rwy 16L:**TORA-6000 TODA-6000 ASDA-6000 LDA-6000**Rwy 16R:**TORA-8009 TODA-8009 ASDA-8009 LDA-8009**Rwy 34L:**TORA-8009 TODA-8009 ASDA-8009 LDA-8009**Rwy 34R:**TORA-6000 TODA-6000 ASDA-6000 LDA-6000**SERVICE:** S4 FUEL 100LL, JET A OX 1, 2, 3, 4 LGT PAPI Rwy 16R and

Rwy 16L and 34R and VASI Rwy 34L opr 24 hrs. When twr clsd HIRL

Rwy 16L-34R and Rwy 16R-34L preset medium ints. When twr clsd

ACTIVATE ALSF2 Rwy 16R, ODALS Rwy 34L MALSR Rwy 16L and

REIL Rwy 34R—CTAF.

AIRPORT REMARKS: Attended continuously. Migratory waterfowl and other birds on and in/ovf arpt. PPR for unscheduled air carrier ops with more than 30 pax seats call 541-682-5430. ARFF svcs unavbl 0000-0500 lcl exc PPR 541-682-5430. No access to Rwy 34L byd Twy A9. Helicopters ldg and dep avoid overflying the airline pax terminal and ramp lctd East of Rwy 16R-34L. Helipad west of Rwy 16R rstd, PPR phone 541-682-5430. Twys H and K unavbl to acft 21,000 lbs single weight and 40,000 lbs dual gross weight. Terminal apron clsd to acft exc scheduled air carriers and flights with prior permission.

AIRPORT MANAGER: 541-682-5430**WEATHER DATA SOURCES:** ASOS (541) 461-3114 HIWAS 112.9 EUG.**COMMUNICATIONS:** CTAF 118.9 ATIS 125.225 541-607-4699 UNICOM 122.95**EUGENE RCO** 122.3 (MC MINNVILLE RADIO)® **CASCADE APP/DEP CON** 119.6 (340°-159°) 120.25 (160°-339°) (1400-0730Z‡)® **SEATTLE CENTER APP/DEP CON** 125.8 (0730-1400Z‡)**EUGENE TOWER** 118.9 (Rwy 16R-34L) 124.15 (Rwy 16L-34R) (1400-0730Z‡) **GND CON** 121.7 **CLNC DEL** 121.7**AIRSPACE:** CLASS D svc 1400-0730Z‡ other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE EUG.**EUGENE (H) VORTACW** 112.9 EUG Chan 76 N44°07.25' W123°13.37' at fld. 364/20E. HIWAS.

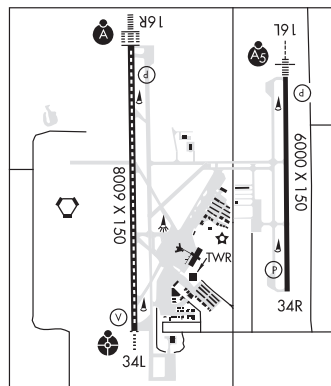
TACAN AZIMUTH unusable:

030°-050° byd 25 NM blo 9,400'

050°-070° byd 25 NM blo 9,000'

220°-225° byd 35 NM blo 5,500'

250°-290° byd 35 NM blo 7,500'

ILS/DME 111.75 I-ADE Chan 54(Y) Rwy 16L. Class IE.**ILS/DME** 110.1 I-EUG Chan 38 Rwy 16R. Class IIIE. Unmonitored when ATCT clsd.**KLAMATH FALLS****H-1B, L-1B****IAP AD****EUGENE** N44°07.25' W123°13.37' NOTAM FILE EUG.**(H) VORTACW** 112.9 EUG Chan 76 at Mahlon Sweet Fld. 364/20E. HIWAS.

TACAN AZIMUTH unusable:

030°-050° byd 25 NM blo 9,400'

050°-070° byd 25 NM blo 9,000'

220°-225° byd 35 NM blo 5,500'

250°-290° byd 35 NM blo 7,500'

RCO 122.3 (MC MINNVILLE RADIO)**KLAMATH FALLS****H-1B, L-1B**

FLORENCE**FLORENCE MUNI** (6S2) 1 N UTC-8(-7DT) N43°58.97' W124°06.68'

51 B TPA-1051(1000) NOTAM FILE MMV

RWY 15-33: H3000X60 (ASPH) S-12.5 MIRL 0.4% up NW**RWY 15:** Hill. Rgt tfc.**RWY 33:** PAPI(P2L)—GA 3.0° TCH 40'. Trees.**SERVICE:** FUEL 100LL, JET A **LGT** ACTIVATE MIRL Rwy 15-33—CTAF.

PAPI Rwy 33 opr 24 hrs.

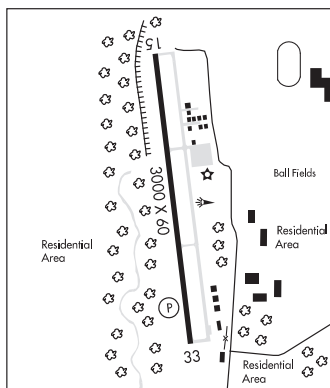
AIRPORT REMARKS: Attended 1630-0030Z†. Birds, deer and wildlife on and in/ovf arpt.**AIRPORT MANAGER:** 541-997-8069**WEATHER DATA SOURCES:** AWOS-3 118.225 (541) 997-8664.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE OTH.**NORTH BEND (L) VOR/DME** 112.1 OTH Chan 58 N43°24.93' W124°10.11' 349° 34.1 NM to fld. 707/15E. **HIWAS.**

VOR/DME unusable:

011°-090° byd 30 NM blo 5,000'

091°-101° blo 6,000'

223°-343° byd 25 NM

KLAMATH FALLS**L-1A****LAKE WOAHIK SPB** (10Ø) 4 S UTC-8(-7DT) N43°54.25' W124°06.88'

39 NOTAM FILE MMV

WATERWAY N-S: 9000X1000 (WATER)**WATERWAY N:** Trees.**WATERWAY S:** Trees. Rgt tfc.**WATERWAY NW-SE:** 3200X1000 (WATER)**WATERWAY NW:** Trees.**WATERWAY SE:** Trees. Rgt tfc.**SEAPLANE REMARKS:** Unattended. NS ABTMT procedures in effect avoid over flt of homes. Sealanes not marked.**AIRPORT MANAGER:** 818-512-0256**COMMUNICATIONS:** CTAF 122.9**COMM/NAV/WEATHER REMARKS:** Monitor Florence Muni CTAF/UNICOM 122.8 for conflicting acft.**KLAMATH FALLS****GATES****DAVIS** (6S4) 1 S UTC-8(-7DT) N44°44.75' W122°25.28'

1028 NOTAM FILE MMV

RWY 07-25: 1940X50 (TURF)**RWY 07:** Trees.**RWY 25:** Road.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** (503) 602-5520**COMMUNICATIONS:** CTAF 122.9**SEATTLE****GEORGE FELT** (See ROSEBURG on page 158)

GLENEDEN BEACH**SILETZ BAY STATE** (S45) 1 SE UTC-8(-7DT) N44°52.61' W124°01.71'

69 B TPA—1069(1000) NOTAM FILE MMV

RWY 17-35: H3297X60 (ASPH) S-11 MIRL 0.3% up S**RWY 17:** Trees. Rgt tfc.**RWY 35:** Trees.**SERVICE:** LGT MIRL Rwy 17-35 preset low ints, ACTIVATE higher ints—CTAF.**AIRPORT REMARKS:** Unattended. Wildlife on and in/ovf arpt. Rwy 35 has 4"-6" dip 800' from south end.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF/UNICOM 122.7**RADIO AIDS TO NAVIGATION:** NOTAM FILE ONP.**NEWPORT (H) VORTACW** 117.1 ONP Chan 118 N44°34.52'

W124°03.64' 345° 18.1 NM to fld. 147/19E.

VORTAC unusable:

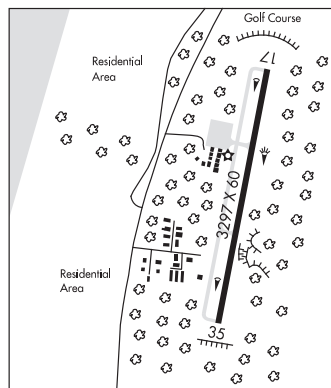
007°-047° byd 35 NM blo 6,000'

057°-112° byd 35 NM blo 7,000'

112°-132° byd 35 NM blo 8,000'

132°-162° byd 35 NM blo 5,000'

342°-007° byd 35 NM blo 5,000'

**SEATTLE****L-1B****GOLD BEACH MUNI** (4S1) 0 W UTC-8(-7DT) N42°24.92' W124°25.50'

20 B NOTAM FILE MMV

RWY 16-34: H3237X75 (ASPH) S-12.5 MIRL**RWY 16:** REIL. Thld dsplcd 90'. Road. Rgt tfc.**RWY 34:** REIL. Road.**SERVICE:** S2 **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 16-34, REIL Rwy 16 and Rwy 34—CTAF.**AIRPORT REMARKS:** Attended 1600-0100Z†. Be alert: birds on and in/ovf arpt.**AIRPORT MANAGER:** 541-247-6269**WEATHER DATA SOURCES:** AWOS-3 118.15 (541) 247-2518.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE CEC.**CRESCENT CITY (L) VORTACW** 109.0 CEC Chan 27 N41°46.77' W124°14.45' 334° 39.0 NM to fld. 53/14E.**TACAN** AZIMUTH & DME unusable:

195°-235° byd 20 NM

COMM/NAV/WEATHER REMARKS: UNICOM unmonitored.**KLAMATH FALLS****L-2J****GRANT CO RGNL/OGILVIE FLD** (See JOHN DAY on page 140)**GRANTS PASS** (3S8) 5 NW UTC-8(-7DT) N42°30.61' W123°23.28'

1130 B TPA—2130(1000) NOTAM FILE MMV

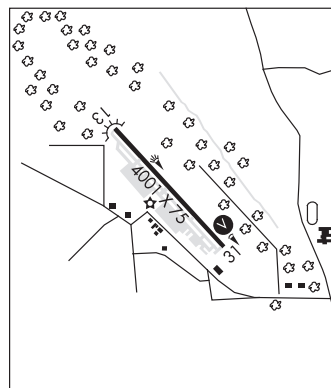
RWY 13-31: H4001X75 (ASPH) S-19 MIRL 0.8% up SE**RWY 13:** REIL. Tree.**RWY 31:** REIL. VASI(V4R)—GA 4.25° TCH 55'. Trees.**SERVICE:** S4 **FUEL** 100LL, JET A **LGT** ACTIVATE VASI Rwy 31 and REIL Rwy 13 and Rwy 31 and MIRL Rwy 13-31—CTAF.**AIRPORT REMARKS:** Attended 1600-0100Z†. 24 hr credit card fuel avbl. VASI Rwy 31 not to be used for turbojet operations. Rwy 31 designated calm wind rwy. Rwy 13-31 has basic markings, plus aiming point markings. Cold temperature restricted airport. Altitude correction required at or below -16C/3F.**AIRPORT MANAGER:** 541-955-4535**COMMUNICATIONS:** CTAF/UNICOM 122.8**CASCADE APP/DEP CON** 124.3 (1400-0730Z†)**SEATTLE CENTER APP/DEP CON** 121.4 (0730-1400Z†)**RADIO AIDS TO NAVIGATION:** NOTAM FILE MFR.**ROGUE VALLEY (H) VORTACW** 113.6 OED Chan 83 N42°28.77'W122°54.78' 256° 21.2 NM to fld. 2083/19E. **HIWAS.****TACAN** AZIMUTH unusable:

245°-350° byd 30 NM blo 10,000'

VOR unusable:

260°-270° byd 35 NM blo 9,000'

290°-300° byd 35 NM blo 8,500'

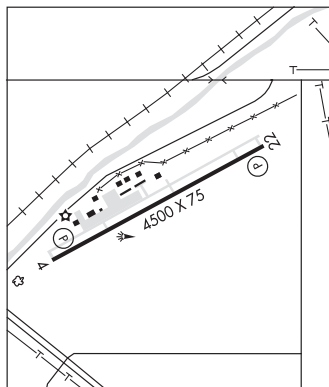
**KLAMATH FALLS****L-2J****IAP**

HERMISTON MUNI (HRI)(KHRI) 2 SE UTC-8(-7DT) N45°49.69' W119°15.55'

644 B TPA—1444(800) NOTAM FILE HRI

RWY 04-22: H4500X75 (ASPH) S-22 MIRL**RWY 04:** PAPI(P2L)—GA 3.0° TCH 36'. Tree.**RWY 22:** REIL. PAPI(P2L)—GA 3.5° TCH 37'. P-line.**SERVICE:** **FUEL** 100LL, JET A+ **LGT** ACTIVATE MIRL Rwy 04-22 and REIL Rwy 22—CTAF. PAPI Rwy 04 and Rwy 22 opr continuously.**AIRPORT REMARKS:** Attended Oct-Mar 1600-0100Z†, Apr-Sep

1600-0200Z†, Parachute Jumping.

AIRPORT MANAGER: 541-567-3694**WEATHER DATA SOURCES:** ASOS 135.225 (541) 567-8580.**COMMUNICATIONS:** CTAF/UNICOM 122.8® **CHINOOK APP/DEP CON** 133.15 (1400-0600Z†)**SEATTLE CENTER APP/DEP CON** 132.6 (0600-1400Z†)**RADIO AIDS TO NAVIGATION:** NOTAM FILE PDT.**PENDLETON (H) VORTACW** 114.7 PDT Chan 94 N45°41.91'W118°56.32' 280° 15.6 NM to fld. 1559/20E. **HIWAS.****SEATTLE****L-13A****IAP****HILLSBORO****STARKE'S TWIN OAKS AIRPARK** (7S3) 4 S UTC-8(-7DT) N45°25.71' W122°56.53'

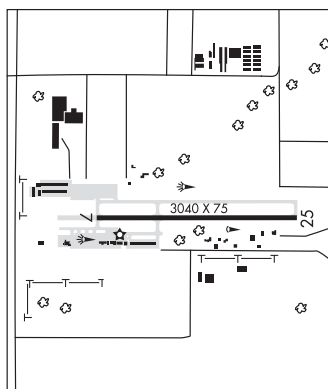
170 TPA—1200(1030) NOTAM FILE MMV

RWY 02-20: H2465X48 (ASPH) LIRL 1.6% up W**RWY 02:** Thld dsplcd 100'. Tree.**RWY 20:** Trees.**SERVICE:** S3 **FUEL** 100LL **LGT** ACTIVATE LIRL Rwy 02-20—CTAF. After 0800Z† PPR call arpt manager 503-628-2817.**AIRPORT REMARKS:** Attended dawn-dusk. Rwy ends not visible from each other. Rwy 02-20 light fixtures 30' from rwy edges.**AIRPORT MANAGER:** 503-628-2817**COMMUNICATIONS:** CTAF/UNICOM 123.05**PORTLAND CLNC DEL** 119.95**SEATTLE****HOBBY FLD** (See CRESWELL on page 133)**HOOD RIVER****KEN JERNSTEDT AIRFIELD** (4S2) 2 S UTC-8(-7DT) N45°40.37' W121°32.03'

638 B TPA—1507(869) NOTAM FILE MMV

RWY 07-25: H3040X75 (ASPH) S-23 MIRL 1.1% up W**RWY 07:** Tree.**RWY 25:** REIL. Tree.**SERVICE:** S4 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 07-25 and REIL Rwy 25—CTAF.**AIRPORT REMARKS:** Attended Nov-Apr 1600-0100Z†, May-Oct

1600-0200Z†. Frequent vehicular tfc AER 07. Gliders and ultralights use rgt tfc for Rwy 07 and Rwy 25. Rwy 07-25 alternate grass lgd area avbl in median. Not to be used simultaneously with paved rwy.

AIRPORT MANAGER: 541-386-1645**WEATHER DATA SOURCES:** AWOS-3 134.375 (541) 386-2386.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE DLS.**KLICKITAT (H) VORW/DME** 112.3 LTJ Chan 70 N45°42.82'W121°06.05' 241° 18.4 NM to fld. 3220/21E. **HIWAS.****SEATTLE****L-1C, 13A**

HUBBARD

LENHARDT AIRPARK (7S9) 3 E UTC-8(-7DT) N45°10.82' W122°44.61'

SEATTLE

165 NOTAM FILE MMV

RWY 02-20: H2956X45 (ASPH) LIRL

RWY 02: VASI(NSTD)—GA 7.0°. Road.

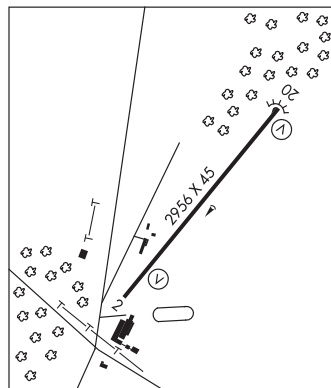
RWY 20: VASI(NSTD)—GA 4.0°. Trees.

SERVICE: S4 FUEL 100LL

AIRPORT REMARKS: Attended Tues-Sat 1700-0100Z. Rwy 02 designated calm wind rwy. Rwy 02 +6' fence 50-70' rgt of thld flanking full length of rwy. Rwy 02 has p-line at 730'. Rwy 20 80' trees at 585'. Rwy 20 has no end safety area. Rwy 20 has a 6' fence at 52' left of centerline flanking full length of rwy. Rwy 02 NSTD VASI one flashing/steady lgt on rgt side of rwy. Rwy 20 NSTD VASI one flashing/steady lgt on left side of rwy. Parallel twy west of rwy grass.

AIRPORT MANAGER: 503-651-2187

COMMUNICATIONS: CTAF 122.9



ILLINOIS VALLEY (See CAVE JUNCTION on page 130)

IMNAHA

MEMALOOSE (25U) 10 SE UTC-8(-7DT) N45°25.67' W116°41.63'

GREAT FALLS

6708 NOTAM FILE MMV

RWY 17-35: 3300X120 (DIRT)

RWY 17: Trees. Rgt tfc.

RWY 35: Tree. Rgt tfc.

AIRPORT REMARKS: Unattended. CLOSED winters. Livestock and wildlife on and invof arpt. No line of sight between rwy ends. Early Spring, damp soft spot on North end of rwy; land long to South. Rwy 35 expect downdrafts on short final due to sheer drop in terrain. Rwy 17-35 outlined with rocks painted white. Rwy 17-35 loose 3"-6" rocks on rwy. Rwy poorly defined. South 1000' rough and overgrown with weeds. Rwy 35 thld marked by white rocks across rwy end.

AIRPORT MANAGER: (541) 963-7186

COMMUNICATIONS: CTAF 122.9

INDEPENDENCE STATE (7S5) 1 NW UTC-8(-7DT) N44°52.02' W123°11.89'

SEATTLE

180 B TPA—1180(1000) NOTAM FILE MMV

L-1B

RWY 16-34: H3142X60 (ASPH) S-12.5 MIRL

RWY 16: PAPI(P4R)—GA 3.0° TCH 40'. P-line.

RWY 34: PAPI(P4L)—GA 3.0° TCH 40'. Thld dsplcd 140'. Road.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 16-34, PAPI Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Attended dalgt hrs. Ultralight acft on and invof arpt.

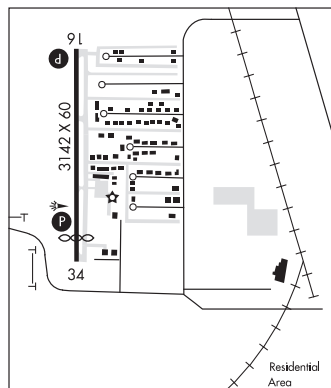
Migratory flocks of waterfowl on and invof arpt.

AIRPORT MANAGER: (503) 378-4880

COMMUNICATIONS: CTAF/UNICOM 122.975

RADIO AIDS TO NAVIGATION: NOTAM FILE MMV.

NEWBERG (H) VORW/DME 117.4 UBG Chan 121 N45°21.19' W122°58.69' 177° 30.6 NM to fld. 1440/21E. HIWAS.



JOHN DAY

GRANT CO RGNL/OGILVIE FLD (GCD)(KGCD) 1 SW UTC-8(-7DT) N44°24.17' W118°58.07'

KLAMATH FALLS

H-1C, L-13A

IAP

3703 B NOTAM FILE GCD

RWY 17-35: H5220X60 (ASPH) S-12.5 MIRL 0.5% up S

RWY 17: REIL. PAPI(P4L)—GA 4.0° TCH 52'.

RWY 09-27: H4471X60 (ASPH) S-12.5 MIRL 1.1% up E

RWY 09: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Fence.

RWY 27: Rgt t/c.

SERVICE: FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 09-27, MIRL Rwy 17-35, REIL Rwy 17, REIL Rwy 09 and PAPI Rwy 09 and Rwy 17—CTAF.

AIRPORT REMARKS: Attended Oct-May Mon-Sat 1600-0000Z†, Jun-Sep Mon-Fri 1500-0300Z†. Self svc fuel avbl after hrs. Extv helicopter activity dur fire season Jul-Oct. Rwy 27 and Rwy 35 hold lines are marked in white outline only. Be aware of soft edges along rwys and twys. 8" game fence around arpt. Rwy 17-35 basic markings, plus aiming point marks. Twy lines and Rwy 17-35 cntrl markings incomplete, Rwy 27 relocated thld and Rwy 27 not marked. Twy marked with reflectors.

AIRPORT MANAGER: 541-575-1151

WEATHER DATA SOURCES: AWOS-3 118.375 (541) 575-1122.

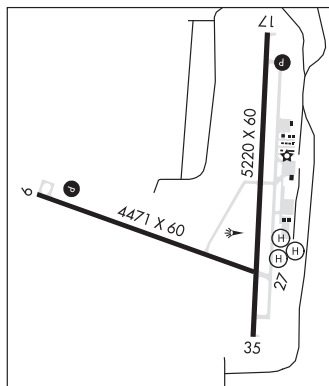
COMMUNICATIONS: CTAF/UNICOM 122.8

SEATTLE CENTER APP/DEP CON 128.15

RADIO AIDS TO NAVIGATION: NOTAM FILE MMV.

KIMBERLY (H) VOR/DME 115.6 IMB Chan 103 N44°38.90' W119°42.70' 095° 35.2 NM to fld. 5220/20E.
HIWAS.

COMM/NAV/WEATHER REMARKS: CLNC DEL thru Flight Services 1-800-WX-BRIEF.



JOSEPH STATE (JSY)(KJSY) 1 W UTC-8(-7DT) N45°21.57' W117°15.23'

SEATTLE

H-1C, L-13B

4121 B TPA-5121(1000) NOTAM FILE MMV

RWY 15-33: H5200X60 (ASPH) S-12.5 MIRL 1.1% up SE

RWY 15: REIL. PAPI(P2L)—GA 4.0° TCH 43'. Trees.

RWY 33: P-line.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 15-33, PAPI and REIL Rwy 15—CTAF.

AIRPORT REMARKS: Unattended. Dur South tkfs, possible hazardous downdrafts south of arpt under south wind cond. Deer on arpt all hrs. P-lines near Rwy 33 AER unmarked. Runway ends not visible from each other.

AIRPORT MANAGER: 503-378-4880

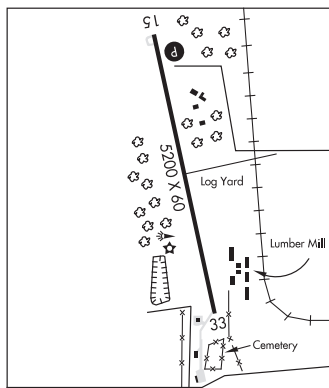
WEATHER DATA SOURCES: AWOS-3 123.775 (541) 432-0458.

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MYL.

DONNELLY (H) VOR/DME 116.2 DNJ Chan 109 N44°46.03' W116°12.38' 290° 57.0 NM to fld. 7333/19E.

COMM/NAV/WEATHER REMARKS: Unicom unattended.



KEN JERNSTEDT AIRFIELD (See HOOD RIVER on page 138)

KIMBERLY N44°38.90' W119°42.70' NOTAM FILE MMV.

SEATTLE

(H) VOR/DME 115.6 IMB Chan 103 095° 35.2 NM to Grant Co Rgnl/Ogilvie Fld. 5220/20E. HIWAS.

H-1C, L-13A

RCO 122.6 (MC MINNVILLE RADIO)

KLAMATH FALLS (LMT)(KLMT) P (ANG) 4 SE UTC-8(-7DT) N42°09.37' W121°43.99'

KLAMATH FALLS

4095 B Class II, ARFF Index A NOTAM FILE LMT

H-3B, L-21

RWY 14-32: H10301X150 (ASPH-CONC-GRVD) S-110, D-145,

IAP, AD

2S-175, 2D-175, 2D/2D2-230 HIRL

RWY 14: MALSF. VASI(V4L)—GA 3.0° TCH 50'.

RWY 32: MALS. VASI(V4L)—GA 3.0° TCH 50'. RVR-T

RWY 07-25: H5258X100 (ASPH-GRVD) S-38, D-52, 2D-87 MIRL

RWY 07: Thld dspcd 306'. Railroad.

RWY 25: REIL. PAPI(P4L)—GA 3.0° TCH 40'. Thld dspcd 512'. Fence.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 07: TORA-5260 TODA-5260 ASDA-4746 LDA-4439

RWY 14: TORA-10301 TODA-10301 ASDA-10301 LDA-10301

RWY 25: TORA-5260 TODA-5260 ASDA-4953 LDA-4439

RWY 32: TORA-10301 TODA-10301 ASDA-10301 LDA-10301

ARRESTING GEAR/SYSTEM

RWY 14 TYPE H BAK-12B(B)(1500')

TYPE H BAK-12B(B)(1500') **RWY 32**

SERVICE: S4 **FUEL** 100LL, JET A **OX** 1, 3 **LGT** PAPI Rwy 25, VASI Rwy

14 and Rwy 32 opr continuously. When twr clsd **ACTIVATE** MALS

Rwy 14, MALS Rwy 32, HIRL Rwy 14-32 and MIRL Rwy 07-25

and twy lgt—CTAF. Rwy and twy lgt also **ACTIVATE** on 257.8.

MILITARY— JASU 1(A/M32A-60B) 1(A/M32A-86) 1(MD-3) **FUEL**

A++(Mil), A, A+ (1500-0300Z†, C541-882-4681, \$150 fee, 20 min PN) (NC-100LL). **FLUID** SP LPOX LOX OIL

O-133-148(Mil)

AIRPORT REMARKS: Attended 1300-0300Z†. For svcs after hrs call FBO at 541-882-4681. Flocks of large migratory waterfowl in Nov-May. Avoid rstd mil apron adj to Twy D south of Twy E. BASH Phase II - Feb thru Apr and Oct thru Nov. BASH Phase I - all months not designated as Phase II. Cold temperature restricted airport. Altitude correction required at or below -27C/17F. Ldg fee for acft over 10,500 lbs.

AIRPORT MANAGER: 541-883-5372

WEATHER DATA SOURCES: ASOS (541) 883-8127 **HIWAS** 115.9 LMT.

COMMUNICATIONS: CTAF 133.975 **ATIS** 126.5 **UNICOM** 122.95

RCO 122.6 (MC MINNVILLE RADIO)

® **KINGSLEY APP/DEP CON** 123.675 (Mon-Fri 1600-0000Z† exc weekends and holidays. other times ctc)

® **SEATTLE CENTER APP/DEP CON** 127.6

KINGSLEY TOWER 133.975 (1500-0600Z†) **GND CON** 121.9

AIRSPACE: CLASS D svc 1500-0600Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE LMT.

(H) **VORTACW** 115.9 LMT Chan 106 N42°09.19' W121°43.65' at fld. 4092/17E. **HIWAS.**

VOR portion unusable:

050°-060° byd 30 NM blo 12,000'

060°-120° byd 25 NM blo 12,000'

170°-195° byd 20 NM

210°-245° byd 25 NM blo 12,000'

270°-280° byd 20 NM

320°-050° byd 23 NM blo 12,000'

320°-050° byd 30 NM

TACAN AZIMUTH & DME portion unusable:

105°-125° byd 7 NM blo 12,000'

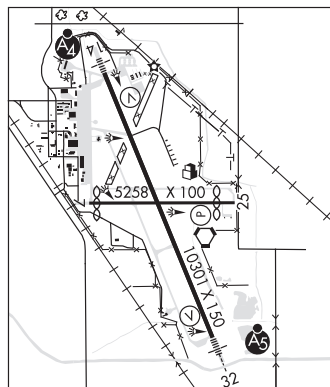
153°-195° byd 20 NM blo 11,000'

210°-305° byd 25 NM blo 10,500'

320°-105° byd 13 NM blo 13,000'

320°-125° byd 20 NM

ILS 109.5 I-LMT Rwy 32.



Klickitat N45°42.82' W121°06.05' NOTAM FILE DLS.

SEATTLE

(H) **VOR/DME** 112.3 LTJ Chan 70 186° 6.3 NM to Columbia Gorge Rgnl/The Dalles Muni. 3220/21E. **HIWAS.**

H-1B

LA GRANDE/UNION CO (LGD)(KLGD) 4 SE UTC-8(-7DT) N45°17.39' W118°00.38'
2717 B NOTAM FILE LGD

SEATTLE
H-1C, L-13A
IAP

RWY 12-30: H6260X100 (ASPH) S-65, D-90, 2S-114, 2D-130

MIRL

RWY 12: PAPI(P2L)—GA 3.0° TCH 40'. Thld dsplcd 758'. Road.

RWY 30: REIL. PAPI(P2L)—GA 3.0° TCH 44'.

RWY 16-34: H3876X60 (ASPH) S-45, D-60, 2D-100

RWY 16: PAPI(P4L)—GA 3.0° TCH 30'. Thld dsplcd 486'. Road.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 12: TORA-6260 TODA-6260

RWY 30: TORA-6260 TODA-6260

SERVICE: S4 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy

12-30—CTAF.

AIRPORT REMARKS: Attended 1600-0100Z±. CLOSED Thanksgiving, Christmas and New Years. FBO and fueling lctd west of Rwy 16-34. After hrs call out list posted on door. Extv Forest Service opr during summer months. Cold temperature restricted airport. Altitude correction required at or below -12C/10F. Rwy 16-34 marked with reflectors. Twys marked with blue reflectors. Ldg fee for acft over 12,500 lbs.

AIRPORT MANAGER: 541-963-6615

WEATHER DATA SOURCES: AWOS-3 135.075 (541) 963-6824.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.5 (MC MINNVILLE RADIO)

® SEATTLE CENTER APP/DEP CON 132.6

RADIO AIDS TO NAVIGATION: NOTAM FILE BKE.

BAKER CITY (H) VORW/DME 115.3 BKE Chan 100 N44°50.44' W117°48.47' 323° 28.2 NM to fld. 3365/20E.

VOR/DME unusable:

005°-050° byd 30 NM blo 12,000'

110°-125° byd 15 NM blo 9,000'

110°-125° byd 30 NM blo 11,000'

125°-180° byd 15 NM

180°-200° byd 15 NM blo 12,000'

200°-230° byd 15 NM

230°-265° byd 15 NM blo 12,000'

230°-265° byd 20 NM

265°-290° byd 15 NM blo 12,000'

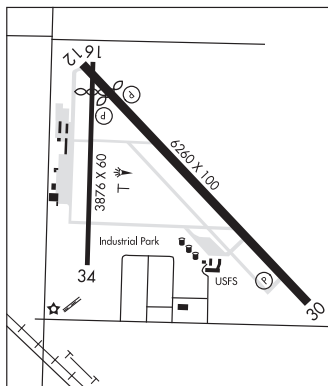
265°-290° byd 30 NM

NDB (MHW) 296 LGD N45°20.55' W117°57.76' 193° 3.7 NM to fld. NOTAM FILE LGD.

NDB unusable:

160°-190° byd 15 NM

290°-315° byd 15 NM



LAKE BILLY CHINOOK STATE (See CULVER on page 134)

LAKE CO (See LAKEVIEW on page 143)

LAKE WOAHIK SPB (See FLORENCE on page 136)

LAKER N45°32.46' W122°27.74' NOTAM FILE PDX.
NDB (MHW) 332 LBH 063° 2.6 NM to Portland-Troutdale. SHUTDOWN.

SEATTLE
L-1C

LAKE SIDE MUNI (9S3) 0 NW UTC-8(-7DT) N43°34.99' W124°10.82'
20 TPA—1020(1000) NOTAM FILE MMV

KLAMATH FALLS

RWY 15-33: 2150X100 (TURF)

RWY 15: Trees.

RWY 33: Trees.

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Rwy 15-33 rwy ends marked with white mats. To deactivate sprinklers key 122.9.

AIRPORT MANAGER: 541-759-3011

COMMUNICATIONS: CTAF 122.9

LAKEVIEW

LAKE CO (LKV)(KLKV) 3 SW UTC-8(-7DT) N42°09.67' W120°23.95'

4733 B TPA—5733(1000) NOTAM FILE LKV

RWY 17-35: H5318X100 (ASPH) S-74, D-86 MIRL

RWY 17: REIL. VASI(V4L)—GA 3.0° TCH 55'.

RWY 35: REIL. VASI(V4R)—GA 3.0° TCH 55'.

SERVICE: FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 17-35, VASI Rwy 17 and Rwy 35 and REIL Rwy 17 and Rwy 35—CTAF.

AIRPORT REMARKS: Attended Apr-Sep 1700-0000Z, Oct-Mar 1500-0100Z. Flocks of large waterfowl in vcnty Nov-May. Wildlife on and in/ov arpt. Extv air tanker ops in fire season. Possible glider ops on twy. Drag strip oriented NW-SE lctd 3000' southwest of Rwy 35. Twy NE-SW used for strong cross wind ldg. Cold temperature restricted airport. Altitude correction required at or below -27C/-17F. Tetrahedron lighting inop. Rwy 17 thld lgts, Rwy 17-35 edge lgts and Twy B edge reflectors obscured by vegetation.

AIRPORT MANAGER: 541-947-4222

WEATHER DATA SOURCES: AWOS-3 135.525 (541) 947-5069. HIWAS 112.0 LKV.

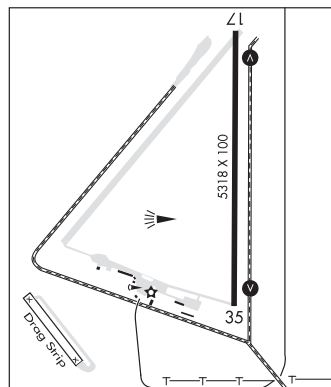
COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.3 (MC MINNVILLE RADIO)

SEATTLE CENTER APP/DEP CON 127.6

RADIO AIDS TO NAVIGATION: NOTAM FILE LKV.

LAKEVIEW (H) VORTACW 112.0 LKV Chan 57 N42°29.57' W120°30.43' 147° 20.5 NM to fld. 7460/19E. HIWAS.



KLAMATH FALLS

H-3B, L-11A

IAP

LEBANON STATE (S3Ø) 1 SW UTC-8(-7DT) N44°31.86' W122°55.78'

346 B TPA—1346(1000) NOTAM FILE MMV

RWY 16-34: H2877X60 (ASPH) MIRL

RWY 16: PAPI(P2L)—GA 3.0° TCH 40'. Tree.

RWY 34: PAPI(P2L)—GA 3.5° TCH 40'. Thld dsplcd 387'. Road.

SERVICE: S4 FUEL 100LL, MOGAS LGT ACTIVATE MIRL Rwy 16-34—CTAF.

AIRPORT REMARKS: Attended continuously. Acft departing Rwy 34 make 10° left turn after txf as soon as safety permits. Rwy 16-34 twy markings NSTD, marked with reflectors.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF/UNICOM 122.8

SEATTLE

LENHARDT AIRPARK (See HUBBARD on page 139)

LEWISBURG N44°36.82' W123°16.24' NOTAM FILE CVO.

NDB (MHW) 225 LWG 169° 7.0 NM to Corvallis Muni.

KLAMATH FALLS

L-1B

LEXINGTON (9S9) 1 N UTC-8(-7DT) N45°27.25' W119°41.42'

1635 B TPA—2635(1000) NOTAM FILE MMV

RWY 08-26: H4156X75 (ASPH) S-12.5 MIRL 1.3% up E

RWY 08: PAPI(P2L)—GA 3.0° TCH 43'. Fence.

RWY 26: PAPI(P2L)—GA 3.5° TCH 47'.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 08-26 and PAPI Rwy 08 and Rwy 26—CTAF.

AIRPORT REMARKS: Unattended. Fuel 24 hours credit card svc avbl. Wildlife on and in/ov arpt. Rwy 08-26 200' gravel east end.

AIRPORT MANAGER: 541-989-9500

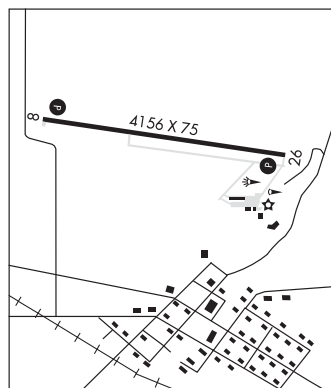
WEATHER DATA SOURCES: AWOS-3 134.475 (541) 989-8557.

COMMUNICATIONS: CTAF 122.9

® SEATTLE CENTER APP/DEP CON 132.6

RADIO AIDS TO NAVIGATION: NOTAM FILE PDT.

PENDLETON (H) VORTACW 114.7 PDT Chan 94 N45°41.91' W118°56.32' 225° 34.9 NM to fld. 1559/20E. HIWAS.



SEATTLE

L-13A

IAP

MADRAS MUNI (S33) 3 NW UTC-8(-7DT) N44°40.21' W121°09.31'

2437 B NOTAM FILE MMV

SEATTLE

H-18, L-13A

IAP

RWY 16-34: H5089X75 (ASPH) S-75, D-120, 2D-180 MIRL**RWY 34:** REIL. VASI(V4L)—GA 3.0° TCH 50'.**RWY 04-22:** H2701X50 (ASPH) S-16 0.3% up NE**RWY 22:** Road.**SERVICE:** S4 FUEL 100LL, JET A OX 3, 4 LGT ACTIVATE MIRL Rwy 16-34, VASI Rwy 34, and REIL Rwy 34—CTAF.**AIRPORT REMARKS:** Attended Nov-Apr 1600-0100Z†, May-Oct 1600-0200Z†. Deer, coyote and cougar on and in/ovf arpt.

Rwy 04-22 marked with white reflectors.

AIRPORT MANAGER: 541-475-6947**WEATHER DATA SOURCES:** AWOS-3PT 132.425 (541) 475-0494.**COMMUNICATIONS:** CTAF/UNICOM 122.8

SEATTLE CENTER APP/DEP CON 128.15

RADIO AIDS TO NAVIGATION: NOTAM FILE RDM.**DESCHUTES (H) VORTACW** 117.6 DSD Chan 123 N44°15.17' W121°18.21' 356° 25.8 NM to fld. 4101/18E.

HIWAS.

VORTAC unusable:

220°-240° byd 30 NM

MAHLON SWEET FLD (See EUGENE on page 135)**MALIN** (4S7) 1 SE UTC-8(-7DT) N42°00.07' W121°23.78'

KLAMATH FALLS

4053 NOTAM FILE MMV

RWY 14-32: H2800X30 (ASPH)**RWY 14:** P-line.**RWY 32:** Road.**AIRPORT REMARKS:** Unattended. Rwy 14 numbers smaller than standard. Rwy 14 has no centerline. Rwy 32 numbers are smaller than standard. Rwy 32 has no centerline. Rwy 32 thld marked with white chevrons.**AIRPORT MANAGER:** 541-891-5718**COMMUNICATIONS:** CTAF 122.9**MANZANITA****NEHALEM BAY STATE** (3S7) 2 S UTC-8(-7DT) N45°41.89' W123°55.78'

SEATTLE

30 TPA-1030(1000) NOTAM FILE MMV

RWY 15-33: H2350X50 (ASPH)**RWY 15:** Trees.**AIRPORT REMARKS:** Unattended. Wildlife in/ovf rwy. Unpaved twy and ramp.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF 122.9**MC DERMITT STATE** (26U) 0 W UTC-8(-7DT) N42°00.62' W117°43.63'

KLAMATH FALLS

4478 B TPA-5478(1000) NOTAM FILE MMV

H-3D, L-11B

RWY 16-34: H5900X60 (ASPH) S-12.5 LIRL 1.0% up N**SERVICE:** LGT ACTIVATE LIRL Rwy 16-34—CTAF.**AIRPORT REMARKS:** Unattended. P-lines South and East. 1'-4' sagebrush growing in primary sfc.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE REO.**ROME (H) VORW/DME** 112.5 REO Chan 72 N42°35.43'

W117°52.09' 151° 35.4 NM to fld. 4040/19E.

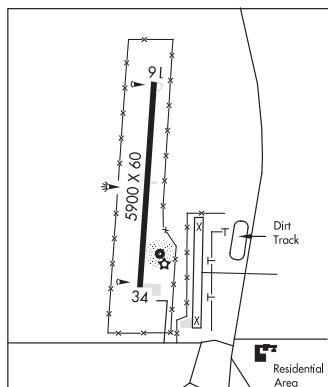
DME unusable:

095°-105° byd 30 NM blo 10,000'

115°-125° byd 30 NM blo 10,000'

NDB (MHW) 204 RMD N42°00.69'

W117°43.26' at fld. NOTAM FILE MMV. VFR only.



MC KENZIE BRIDGE STATE (ØØS) 3 E UTC-8(-7DT) N44°10.89' W122°05.13'

KLAMATH FALLS

1620 TPA—2620(1000) NOTAM FILE MMV

RWY 06-24: 2600X90 (TURF)

RWY 06: Trees.

RWY 24: Trees.

AIRPORT REMARKS: Unattended. Arpt CLOSED Nov 1–May1. Wildlife on and in/ov arpt year round. Owner advises ctc with Oregon Dept of Aviation 503-378-4880 prior to use. Rwy 06-24 slopes up to the east. Expect significant turbulence and downdrafts near rwy. Rwy 06-24 rough on east half. Land east-tkf west. Rwy 06 thld marked with white mats. Rwy edges marked with white panel markers.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

MC MINNVILLE MUNI (MMV)(KMMV) 3 SE UTC-8(-7DT) N45°11.67' W123°08.16'

SEATTLE

163 B TPA—1000(837) NOTAM FILE MMV

H-1B, L-1B

RWY 04-22: H5420X150 (ASPH) S-40, D-50, 2D-80 HIRL

IAP

RWY 04: REIL. PAPI(P4L)—GA 3.0° TCH 40'. Trees.

RWY 22: MALSR. PAPI(P4L)—GA 3.0° TCH 55'. Trees.

RWY 17-35: H4340X75 (ASPH) S-30, D-50, 2D-80

SERVICE: S4 FUEL 100LL, JET A OX 1 LGT ACTIVATE MALSR Rwy 22, REIL Rwy 04, and HIRL Rwy 04-22—CTAF.

AIRPORT REMARKS: Attended 1600Z†-dusk. Fuel 24 hour credit card svc avbl. For fuel dusk-dawn contact fixed-base operator 503-472-0558. Military helicopter and parachute ops in area. Scheduled by NOTAM. High pressure bulk oxygen avbl Mon-Sat. Glider ops Rwy 17-35 and within 8 NM blo 8000' during dalgt hours Feb-Nov. FBO may be contacted on frequency 122.75. Twys A and D have blue edge reflectors.

AIRPORT MANAGER: 503-434-7411

WEATHER DATA SOURCES: ASOS 135.675 (503) 434-9153.

COMMUNICATIONS: CTAF/UNICOM 123.0

RCO 122.45 (MC MINNVILLE RADIO)

® PORTLAND APP/DEP CON 126.0(NORTH)

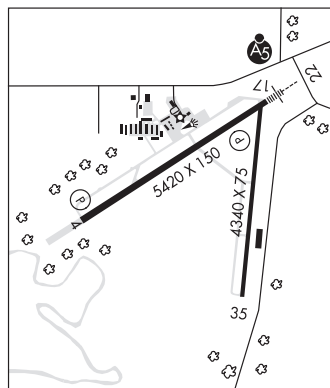
SEATTLE CENTER APP/DEP CON 125.8(SOUTH)

CLNC DEL 118.35

RADIO AIDS TO NAVIGATION: NOTAM FILE MMV.

NEWBERG (H) VORW/DME 117.4 UBG Chan 121 N45°21.19' W122°58.69' 194° 11.6 NM to fld. 1440/21E. HIWAS.

ILS 110.9 I-MMV Rwy 22. Class IA.



MCNARY FLD (See SALEM on page 159)

MEDFORD

ROGUE VALLEY INTL — MEDFORD (MFR)(KMFR) 3 N UTC-8(-7DT) N42°22.45' W122°52.41' **KLAMATH FALLS**
 1335 B TPA—See Remarks Class I, ARFF Index B NOTAM FILE MFR **H-3B, L-21**
RWY 14-32: H8800X150 (ASPH-GRVD) S-75, D-200, 2S-175, IAP, AD
 2D-400 PCN 72 F/C/X/T HIRL CL

RWY 14: MALSR. TDZL. PAPI(P4L)—GA 3.0° TCH 73'. RVR-T 0.4% up.

RWY 32: REIL. PAPI(P4R)—GA 3.0° TCH 50'. 0.5% down.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 14: TORA-8800 TODA-8800 ASDA-8800 LDA-8800

RWY 32: TORA-8800 TODA-8800 ASDA-8800 LDA-8800

SERVICE: S4 FUEL 100LL, JET A, A+ **OX 3** LGT ACTIVATE HIRL Rwy 14-32, MALSR Rwy 14, REIL Rwy 32, PAPI Rwy 14 and Rwy 32, TDZL Rwy 14, cntrln lgts Rwy 14 and Rwy 32, and twy lgts—CTAF.

AIRPORT REMARKS: Attended 1300-0800Z†. Afld sfc condition unmonitored between 0800-1200Z†. For fuel after hrs call 541-842-2254. Bird haz large flocks of migratory waterfowl in vicinity Nov-May. Terminal apron clsd to acft exc scheduled air carrier and flts with prior permission. PPR for unscheduled ops with more than 30 pax seats, call arpt ops 541-776-7228. Tran tie-downs avbl thru FBOs only. Cold temperature restricted airport. Altitude correction required at or below -5C/24F. Rwy 32 preferred for tkfs and lgds when twr clsd. TPA—2304(969) for propeller acft, 2804(1469) for turbo acft. PAPI Rwy 32 does not provide obstruction clnc byd 6.5 NM from thld. Ldg fee. Ldg fee applies to all corporate acft and all other acft with weight exceeding 12,500 lbs.

AIRPORT MANAGER: 541-776-7222

WEATHER DATA SOURCES: ASOS (541) 776-1238 SAWRS.

COMMUNICATIONS: CTAF 119.4 ATIS 127.25 UNICOM 122.95

MEDFORD RCO 122.65 (MC MINNVILLE RADIO)

® **CASCADE APP/DEP CON** 124.3 (1400-0730Z†)

SEATTLE CENTER APP/DEP CON 124.85 (0730-1400Z†)

TOWER 119.4 (1400-0500Z†) **GND CON** 121.8

AIRSPACE: CLASS D svc 1400-0500Z† other times CLASS E.

VOR TEST FACILITY (VOT) 117.2

RADIO AIDS TO NAVIGATION: NOTAM FILE MFR.

(H) **VORTACW** 113.6 OED Chan 83 N42°28.77' W122°54.78' 145° 6.6 NM to fld. 2083/19E. **HIWAS.**

TACAN AZIMUTH unusable:

245°-350° byd 30 NM blo 10,000'

VOR unusable:

260°-270° byd 35 NM blo 9,000'

290°-300° byd 35 NM blo 8,500'

MEDFORD NDB (MHW) 356 MEF N42°23.50' W122°52.73' 151° 1.1 NM to fld.

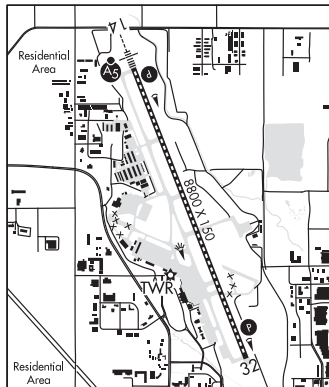
NDB unusable:

220°-240° byd 15 NM

PUMIE NDB (LOM) 373 MF N42°27.06' W122°54.80' 143° 4.9 NM to fld. LOM unusable 260°-270° beyond 10 NM.

ILS/DME 110.3 I-MFR Chan 40 Rwy 14. Class IA. LOM PUMIE NDB. LOM unusable 260°-270° beyond 10 NM.

Unmonitored when ATCT closed. Localizer backcourse unusable byd 11NM blo 7,000', byd 13 NM blo 8,300', byd 17 NM blo 8,700'. Localizer backcourse unusable byd 20° left of course.



MEMALOOSE (See IMNAHA on page 139)

MILLER MEM AIRPARK (See VALE on page 163)

MONUMENT MUNI (12S) 1 NW UTC-8(-7DT) N44°49.89' W119°25.78' **SEATTLE**

2323 TPA—3323(1000) NOTAM FILE MMV

RWY 14-32: H2104X29 (ASPH)

RWY 14: Hiil.

AIRPORT REMARKS: Unattended. Intermittently clsd winters due to snow. Wildlife on and invof arpt. Rwy ends marked at each corner by a single white tire.

AIRPORT MANAGER: 541-934-2025

COMMUNICATIONS: CTAF 122.9

MULINO STATE (See PORTLAND-MULINO on page 155)

MYRTLE CREEK MUNI (16S) 2 SW UTC-8(-7DT) N42°59.84' W123°18.92'

KLAMATH FALLS

619 B TPA-1600(981) NOTAM FILE MMV

RWY 03-21: H2600X60 (ASPH) S-12 MIRL**RWY 03:** REIL. PAPI(P2L)—GA 4.0° TCH 41'. Tree. Rgt tfc.**RWY 21:** Trees.**SERVICE:** FUEL 100LL LGT ACTIVATE MIRL Rwy 03-21, REIL Rwy 03 and PAPI Rwy 03—CTAF.**AIRPORT REMARKS:** Unattended. Terrain rises to 2200' MSL within 2 miles on each side of rwy. AG crop growing within 85' along east side of rwy. 198' lighted tower 1.3 NM N-NW MSL elev 2122 obstructs VFR route.**AIRPORT MANAGER:** 541-863-3171**COMMUNICATIONS:** CTAF/UNICOM 122.7

NEHALEM BAY STATE (See MANZANITA on page 144)

NEWBERG
CHEHALEM AIRPARK (17S) 4 NW UTC-8(-7DT) N45°19.42' W123°03.26'

SEATTLE

190 NOTAM FILE MMV

RWY 07-25: H2285X40 (ASPH) RWY LGTS(NSTD)**RWY 07:** Thld dsplcd 300'. P-line.**RWY 25:** Tree.**SERVICE:** S4 FUEL 100LL, JET A**AIRPORT REMARKS:** Attended 1600-0200Z†. Rwy 25 has NS ABTMT procedures in effect for more information ctc arpt manager 503-537-0108. Rwy 07-25 NSTD basic markings, NSTD size, rwy edge strips. Rwy 07-25 markings faded. Rwy 07 dsplcd thld NSTD markings, NSTD size. Rwy 07-25 NSTD rwy lgts. Rwy 07-25 NSTD green thld lgts at W end only, no thld lgts on E end; 300' dsplcd thld unlgtd. NSTD rwy hold position markings at north twy entrance.**AIRPORT MANAGER:** 503-537-0108**COMMUNICATIONS:** CTAF 122.9

SPORTSMAN AIRPARK (2S6) 1 SE UTC-8(-7DT) N45°17.74' W122°57.32'

SEATTLE

181 NOTAM FILE MMV

RWY 17-35: H2755X50 (ASPH) S-30 LIRL**RWY 17:** Thld dsplcd 369'. Tree.**RWY 35:** Thld dsplcd 315'. Brush. Rgt tfc.**SERVICE:** S4 FUEL 100LL, JET A LGT Arpt lgts opr sunset-0800Z†. For LIRL Rwy 17-35 after 0800Z† phone 503-538-2134.**AIRPORT REMARKS:** Attended dawn-dusk. Rwy 17-35 alligator cracks, dips, patch work in poor condition and edge cracks.**AIRPORT MANAGER:** 503-538-2134**COMMUNICATIONS:** CTAF 122.9

CLNC DEL 126.0

NEWBERG N45°21.19' W122°58.69' NOTAM FILE MMV.

SEATTLE

(H) VORW/DME 117.4 UBG Chan 121 105° 10.9 NM to Aurora State. 1440/21E. HIWAS.

H-1B, L-1B

RCO 122.45 (MC MINNVILLE RADIO)

NEWPORT MUNI (ONP)(KONP) 3 S UTC-8(-7DT) N44°34.82' W124°03.48'

160 B Class IV, ARFF Index A NOTAM FILE ONP

SEATTLE

H-1B, L-1B

IAP

RWY 16-34: H5398X100 (ASPH) S-75, D-120, 2S-152, 2D-170

HIRL

RWY 16: MALSR. PAPI(P4L)—GA 3.0° TCH 51'. Rgt tfc.

RWY 34: REIL. PAPI(P4L)—GA 3.5° TCH 58'. Thld dspcd 300'.

RWY 02-20: H3001X75 (ASPH) S-33, D-50, 2D-84 MIRL

1.0% up NE

RWY 02: Ground.

RWY 20: Rgt tfc.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 02: TORA-3001 TODA-3001 ASDA-3001 LDA-3001

RWY 16: TORA-5398 TODA-5398 ASDA-5398 LDA-5398

RWY 20: TORA-3001 TODA-3001 ASDA-3001 LDA-3001

RWY 34: TORA-5398 TODA-5398 ASDA-5398 LDA-5098

SERVICE: FUEL 100LL, JET A LGT Rwy 34 PAPI OTS indef. ACTIVATE MALSR Rwy 16, MIRL Rwy 02-20, HIRL Rwy 16-34, PAPIs Rwy 16 & Rwy 34, and REIL Rwy 34—CTAF.

AIRPORT REMARKS: Attended 1600-0100Z†. For fuel after hrs call 541-867-7422 or 541-530-1364. Deer and coyotes on and invof rws and twys. Birds invof arpt. PPR for air carrier ops with more than 30 pax seats, call arpt mgr 541-867-7422.

AIRPORT MANAGER: 541-867-3655

WEATHER DATA SOURCES: AWOS-3 133.9 (541) 867-4175.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.5 (MC MINNVILLE RADIO)

SEATTLE CENTER APP/DEP CON 125.8

AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE ONP.

(H) VORTACW 117.1 ONP Chan 118 N44°34.52' W124°03.64' at fld. 147/19E.

VORTAC unusable:

007°-047° byd 35 NM blo 6,000'

057°-112° byd 35 NM blo 7,000'

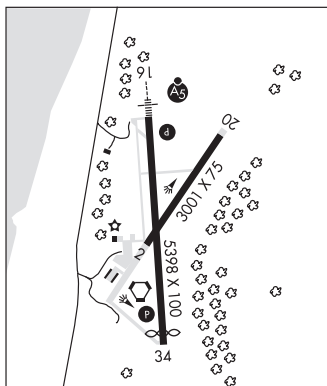
112°-132° byd 35 NM blo 8,000'

132°-162° byd 35 NM blo 5,000'

342°-007° byd 35 NM blo 5,000'

AGGET NDB (LOM) 350 ON N44°40.56' W124°03.91' 158° 5.7 NM to fld. LOM unusable 360°-150°

ILS 111.5 I-ONP Rwy 16. LOM AGGET NDB. LOM unusable 360°-150°



NORTH BEND**SOUTHWEST OREGON RGNL** (OTH)(KOTH) P (CG) 1 NW UTC-8(-7DT) N43°25.02' W124°14.82' **KLAMATH FALLS**

17 B Class I, ARFF Index A NOTAM FILE OTH

H-1B, L-1A**RWY 04-22:** H5980X150 (ASPH-GRVD) S-106, D-113, 2S-143,**IAP, AD**

2D-190 HIRL

RWY 04: MALSR. VASI(V4R)—GA 3.0° TCH 50'. Boat.**RWY 22:** REIL. Thld dspcd 660'. Boat.**RWY 13-31:** H4470X150 (ASPH-GRVD) S-90, D-100, 2S-175,

2D-100 MIRL

RWY 13: REIL. Boat.**RWY 31:** REIL. PAPI(P4L)—GA 4.0° TCH 50'. Road. Rgt tfc.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 04:** TORA-5320 TODA-5320 ASDA-5320 LDA-5320**RWY 13:** TORA-4470 TODA-4470 ASDA-4470 LDA-4470**RWY 22:** TORA-5980 TODA-5980 ASDA-5980 LDA-5320**RWY 31:** TORA-4470 TODA-4470 ASDA-4470 LDA-4470**SERVICE:** S4 **FUEL** 100LL, JET A **LGT** PAPI Rwy 31 OTS indef. REIL

Rwy 31 OTS indef. When twr clsd, ACTIVATE MIRL Rwy 13-31, HIRL

Rwy 04-22, MALSR Rwy 04, and REIL Rws 13, 22 and 31—CTAF.

MILITARY— JASU 1(MD-3) **FUEL** J5(Mil) (NC-100LL, A) **OIL** O-156(Mil)**AIRPORT REMARKS:** Attended 1300-0500Z†. Svc avbl 1600-0100Z†, for

svc after hrs call 541-756-5181 or 541-756-6903. All acft

subjected to arpt usage fees. Twy C3 clsd to acft over 60,000 lbs indef.

Migratory flocks of waterfowl on and invof arpt. PAEW invof rws and twys 1530-2330Z†. Ship channel crosses Rwy 04

aprx 2/3 mile from thld, crosses Rwy 13 and Rwy 22 aprx 1000' to 1700' from thld, mast heights to 144'. Ldg fee.

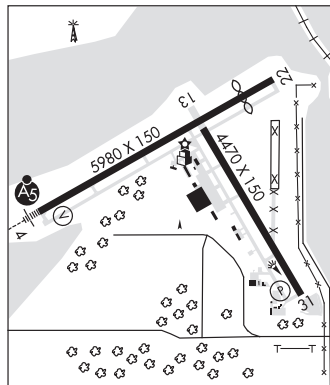
AIRPORT MANAGER: 541-756-8531**WEATHER DATA SOURCES:** AWOS-3 135.075 (541) 756-0135. HIWAS 112.1 OTH.**COMMUNICATIONS:** CTAF 118.45**NORTH BEND RCO** 122.4 (MC MINNVILLE RADIO)**SEATTLE CENTER APP/DEP CON** 121.4**NORTH BEND TOWER** 118.45 (1500-0500Z†) **GND CON** 127.1**AIRSPACE:** CLASS D svc 1500-0500Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE OTH.**NORTH BEND (L) VORW/DME** 112.1 OTH Chan 58 N43°24.93' W124°10.11' 256° 3.4 NM to fld. 707/15E.**HIWAS.**

VOR/DME unusable:

011°-090° byd 30 NM blo 5,000'

091°-101° blo 6,000'

223°-343° byd 25 NM

EMIRE NDB (LOM) 378 OT N43°23.67' W124°18.62' 049° 3.1 NM to fld. NDB unusable 360°-165° byd 10 NM.**ILS** 108.5 I-OTH Rwy 04. LOM EMIRE NDB. NDB unusable 360°-165° byd 10 NM.**NORTH BEND** N43°24.93' W124°10.11' NOTAM FILE OTH.**KLAMATH FALLS****(L) VORW/DME** 112.1 OTH Chan 58 256° 3.4 NM to Southwest Oregon Rgnl. 707/15E. **HIWAS.****L-1A**

VOR/DME unusable:

011°-090° byd 30 NM blo 5,000'

091°-101° blo 6,000'

223°-343° byd 25 NM

RCO 122.4 (MC MINNVILLE RADIO)

OAKRIDGE STATE (5S0) 1 W UTC-8(-7DT) N43°45.15' W122°30.27'

KLAMATH FALLS

1393 TPA—2393(1000) NOTAM FILE MMV

L-1A

RWY 09-27: H3610X47 (ASPH) 0.7% up W

RWY 09: Trees.

RWY 27: Road.

AIRPORT REMARKS: Unattended. Irregular winter maintenance, arpt may be clsd by snow. US Forest Service helicopters active invof arpt during fire season. Deer and elk on and invof arpt.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE EUG.

EUGENE (H) VORTACW 112.9 EUG Chan 76 N44°07.25'

W123°13.37' 105° 38.2 NM to fld. 364/20E. **HIWAS.**

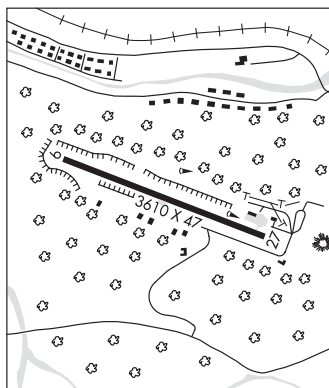
TACAN AZIMUTH unusable:

030°-050° byd 25 NM blo 9,400'

050°-070° byd 25 NM blo 9,000'

220°-225° byd 35 NM blo 5,500'

250°-290° byd 35 NM blo 7,500'



ONTARIO MUNI (ONO)(KONO) 3 W UTC-7(-6DT) N44°01.16' W117°00.78'

KLAMATH FALLS

2193 B NOTAM FILE ONO

H-1C, L-11B

RWY 14-32: H5011X100 (ASPH) S-30, D-60 MIRL

IAP

RWY 14: Tree.

RWY 32: REIL. PAPI(P2L)—GA 3.0° TCH 40'.

SERVICE: S4 **FUEL** 100LL, JET A **LGT** PAPI Rwy 32 opr continuously.

ACTIVATE MIRL Rwy 14-32 and REIL Rwy 32—CTAF.

AIRPORT REMARKS: Attended 1500-0000Z†. Self serve card lock fuel avbl 24 hrs. Twy marked with blue reflectors.

AIRPORT MANAGER: 541-212-1676

WEATHER DATA SOURCES: ASOS 135.275 (541) 889-7388.

COMMUNICATIONS: CTAF/UNICOM 122.8

ONTARIO RCO 122.3 (MC MINNVILLE RADIO)

® **SALT LAKE CENTER APP/DEP CON** 128.05

RADIO AIDS TO NAVIGATION: NOTAM FILE BOI.

BOISE (H) VORTACW 113.3 BOI Chan 80 N43°33.17'

W116°11.53' 291° 45.3 NM to fld. 2876/17E.

VOR portion unusable:

001°-044° byd 22 NM blo 11,000'

001°-044° byd 32 NM blo 14,500'

045°-071° byd 32 NM blo 12,500'

072°-084° byd 32 NM blo 10,500'

TACAN AZIMUTH & DME portion unusable:

010°-060° byd 12 NM blo 13,000'

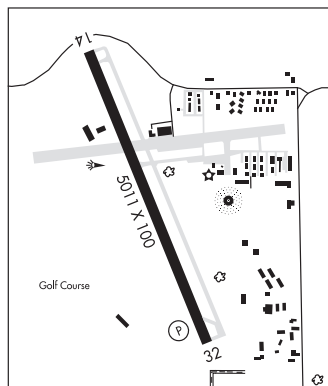
010°-060° byd 27 NM blo 15,500'

113°-155° byd 30 NM blo 7,000'

348°-010° byd 20 NM blo 13,000'

348°-010° byd 27 NM blo 15,500'

NDB (MHW) 305 ONO N44°01.18' W117°00.50' at fld. NOTAM FILE ONO.



OWYHEE RESERVOIR STATE (28U) 25 SW UTC-8(-7DT) N43°25.49' W117°20.74'

KLAMATH FALLS

2680 TPA—3680(1000) NOTAM FILE MMV

RWY 13-31: 1840X30 (DIRT)

AIRPORT REMARKS: Unattended. Owner advises ctc with State Department of Aviation 503-378-4880 prior to use. Remote arpt, no ground access. Arpt in canyon, surrounded by high terrain. 4' brush growth within 20' of rwy edge.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

PACIFIC CITY STATE (PFC)(KPFC) 1 S UTC-8(-7DT) N45°11.96' W123°57.71'
10 TPA—1010(1000) NOTAM FILE MMV
RWY 14-32: H1860X30 (ASPH) S-7

SEATTLE

RWY 14: Tree.

RWY 32: Trees.

AIRPORT REMARKS: Unattended. Owner advises ctc with Department of Aviation 503-378-4880 prior to use. Rwy may be under water dur winter high tides. Ocnl driftwood on rwy due to flooding. Downwind lds not recommended and may not be possible. Many close in obst on both sides of rwy. Exp low level turbulence dur crosswind cond. Assorted trees and 40' p-line at 500' north of rwy. Ramp in poor cond. Rwy 14-32 NSTD basic markings, markings NSTD size/placement and rwy edge markings.

AIRPORT MANAGER: 503-378-4880**COMMUNICATIONS:** CTAF 122.9

PAISLEY (22S) 3 NW UTC-8(-7DT) N42°43.08' W120°33.77'
4395 B TPA—5395(1000) NOTAM FILE MMV

KLAMATH FALLS

L-11A

RWY 13-31: H4300X60 (ASPH) LIRL 0.4% up SE

AIRPORT REMARKS: Unattended. Rwy 13 has aiming points.**AIRPORT MANAGER:** 541-947-4222**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE LKV.

LAKEVIEW (H) VORTACW 112.0 LKV Chan 57 N42°29.57' W120°30.43' 331° 13.7 NM to fld. 7460/19E.
HIWAS.

PENDLETON

EASTERN OREGON RGNL AT PENDLETON (PDT)(KPDT) P (ARNG) 3 NW UTC-8(-7DT) N45°41.69'

SEATTLE

H-1C, L-13A

IAP, AD

W118°50.58'

1497 B Class IV, ARFF Index A NOTAM FILE PDT

RWY 07-25: H6301X150 (ASPH-PFC) S-115, D-132, 2S-167,

2D-210 HIRL

RWY 07: ODALS. VASI(V4R)—GA 3.0° TCH 35'. Ground.

RWY 25: MALSR. PAPI(P4L)—GA 3.0° TCH 56'. RVR-T

RWY 11-29: H5581X100 (ASPH-GRVD) S-70, D-120, 2S-152,

2D-122 MIRL

RWY 11: REIL. PAPI(P4L)—GA 3.0° TCH 43'.

RWY 29: REIL. PAPI(P4L)—GA 3.0° TCH 84'. Thld dsplcd 456'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 11: TORA-5581 TODA-5581 ASDA-5125 LDA-5125

RWY 29: TORA-5581 TODA-5581 ASDA-5581 LDA-5125

SERVICE: S4 FUEL 100LL, JET A1+, MOGAS LGT ACTIVATE MALSR

Rwy 25, ODALS Rwy 07, HIRL Rwy 07-25, MIRL Rwy 11-29, REIL

Rwy 11 and Rwy 29, when twr clsd—CTAF.

MILITARY— FUEL (NC-100LL, A1+ - Self svc avbl H24.)**AIRPORT REMARKS:** Attended 1400-0400Z†. Svcs avbl from FBO btn

0400-1400Z† by phone call 541-276-3313/3373. Self fuel avbl 24

hrs. Clsd to unscheduled air carrier ops with more than 30 pax seats

exc PPR 4 hrs call 541-276-4411. Cold temperature restricted

airport. Altitude correction required at or below -18C/0F. Deer on and invof arpt Apr and Aug especially mornings and evenings. Thld Rwy 29 NSTD marking, portion of rwy to function as twy. Twy B clsd south of Twy A. Int of ramp and Rwy 29 north end of terminal bldg, area obstructed from view of twr by terminal bldg.

AIRPORT MANAGER: 541-276-7754**WEATHER DATA SOURCES:** ASOS 118.325 (541) 278-2329. HIWAS 114.7 PDT.**COMMUNICATIONS:** CTAF 119.7 UNICOM 122.95**PENDLETON RCO** 122.2 (MC MINNVILLE RADIO)

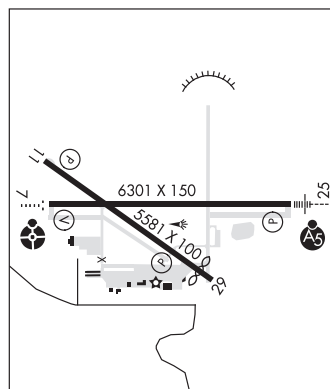
® CHINOOK APP/DEP CON 133.15 (1400-0600Z†)

® SEATTLE CENTER APP/DEP CON 132.6 (0600-1400Z†)

TOWER 119.7 (1400-0400Z†) **GND CON** 121.9**AIRSPACE:** CLASS D svc 1400-0400Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE PDT.**PENDLETON (H) VORTACW** 114.7 PDT Chan 94 N45°41.91' W118°56.32' 073° 4.0 NM to fld. 1559/20E.

HIWAS.

ILS 110.3 I-PDT Rwy 25. Class IE. LOC and glideslope unmonitored when twr clsd.

COMM/NAV/WEATHER REMARKS: Emerg freq 121.5 not avbl at twr.

PINEHURST STATE (24S) 1 SW UTC-8(-7DT) N42°06.61' W122°22.99'

KLAMATH FALLS

3643 TPA—4643(1000) NOTAM FILE MMV

RWY 04-22: H2800X30 (ASPH) 2.0% up SW**RWY 04:** Trees.**RWY 22:** Trees.

AIRPORT REMARKS: Unattended. Irregular winter maintenance. Arpt may be clsd by snow. Strong winds from any direction will likely cause low-level turbulence. Rwy 04-22 70' trees along both sides of rwy 125' from centerline. Rwy 22 slopes up to the SW, with abrupt 4% rise on SW half of rwy. Owner advises contact Oregon Dept. of Aviation 503-378-4880 prior to use.

AIRPORT MANAGER: 503-378-4880**COMMUNICATIONS:** CTAF 122.9

PORTLAND
PORTLAND DOWNTOWN HELIPORT (61J) 0 N UTC-8(-7DT) N45°31.52' W122°40.26'

SEATTLE

78 B NOTAM FILE MMV

HELIPAD H1: H80X80 (CONC) S-25 PERIMETER LGTS

HELIPORT REMARKS: Unattended. +199' radio twr (lgtd) 4950' E of heliport in flt apch and tkf 025°. Helipad H1 yellow perimeter lgts, blue centerline twy lgts to helipads. Helipad H1 single heliport with 4 flt apchs 162°/220°/248°/295° and tkf directions 342°/040°/068°/115°. Arrow lgts for flt apch 220°/248°/295° and tkf 040°/068°/115°. Ldg fee.

AIRPORT MANAGER: (503) 823-7527**COMMUNICATIONS:** CTAF/UNICOM 123.075

PORTLAND INTL (PDX)(KPDJ) P (ANG) 4 NE UTC-8(-7DT) N45°35.32' W122°35.81'

SEATTLE
H-1B, L-1C
IAP, DIAP, AD

31 B LRA Class I, ARFF Index E NOTAM FILE PDX

RWY 10R-28L: H11000X150 (CONC-GRVD) S-200, D-200, 2S-175,

2D-360 PCN 89 R/D/W/T HIRL CL

RWY 10R: ALSF2. TDZL. PAPI(P4R)—GA 3.0° TCH 71'. RVR-TMR Rgt ttc.

RWY 28L: MALSR. PAPI(P4L)—GA 3.0° TCH 72'. RVR-TMR

RWY 10L-28R: H9825X150 (ASPH-GRVD) S-200, D-200, 2S-175,

2D-400 PCN 133F/D/W/T HIRL CL

RWY 10L: MALSR. PAPI(P4L)—GA 3.0° TCH 51'. RVR-TMR Thld dsplcd 1290'.

RWY 28R: MALSR. PAPI(P4R)—GA 3.0° TCH 70'. RVR-TMR Thld dsplcd 535'. Road. Rgt ttc.

RWY 03-21: H6000X150 (ASPH-GRVD) S-124, D-170, 2S-175,

2D-310 PCN 14 F/D/W/T MIRL

RWY 03: REIL. PAPI(P4L)—GA 3.3° TCH 60'.

RWY 21: REIL. PAPI(P4R)—GA 3.6° TCH 32'. Road.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03: TORA-6000 TODA-6000 ASDA-6000 LDA-6000

RWY 10L: TORA-9825 TODA-9825 ASDA-9825 LDA-8535

RWY 10R: TORA-11000 TODA-11000 ASDA-11000 LDA-11000

RWY 21: TORA-6000 TODA-6000 ASDA-6000 LDA-6000

RWY 28L: TORA-11000 TODA-11000 ASDA-11000 LDA-11000

RWY 28R: TORA-9825 TODA-9825 ASDA-9825 LDA-9290

ARRESTING GEAR/SYSTEM

RWY 10R TYPE-H BAK-12B(B) (1625').

TYPE-H BAK-12B(B) (2000'). **RWY 28L**

SERVICE: S4 FUEL 100LL, JET A OX1, 2, 3, 4 MILITARY— JASU 4(A/M32A-86) (MC-11) 1(MA-1A) FUEL A

(C503-331-4220). J8 (Mil) (NC-100LL, A) FLUID LHOXRB OIL O-128-133-148(Mil) TRAN ALERT No tran svc avbl.

AIRPORT REMARKS: Attended continuously. Arpt clsd to non-pwrd acft exc in emergs. Migratory and wintering flocks of large waterfowl on and in/ovf arpt. Heavy seagull act Sep-Apr, exp high number of birds yr round, check lcl advisories. Rwy 28R perimeter road at 200' from rwy thld and 408' rgt from rwy extdd cntrln. Unctd ttc at Pearson Field Vancouver WA, 3 NM west of Rwy 10L thld on extdd cntrln. Rwy 21 clsd to Height Group IV acft with cockpit to wheel hgt greater than 22'. Rwy 28R 60' levee road lctd aprxly parallel to rwy at 200' fm thr and 507' ft fm rwy extndd cntrln. NS ABTMT procedures in effect call noise office, 503-460-4100. Rwy 28L arr are noise sensitive, exp apch to Rwy 28R with transition to Rwy 28L. Twy W clsd to acft with wingspan greater than 118'. Twy 21 clsd to Height Group IV acft with cockpit to wheel hgt greater than 118'. Twy K btn the North ramp and the general aviation ramp clsd to through ttc. Twy A3 btn Twy A and the NE ramp clsd to acft with wingspan gtr than 135 feet unless under tow. At the west end arm/dearm area on Twy C no acft of any type may taxi past the arm/dearm area while it is being used. Acft authorized to utilize the NW ramp will be towed to/from this ramp. Area of Twy T btn M and E3 not visible from twr. Twy T btn exits B5 and B6 clsd to acft with wingspan of 118' and greater. Twy C3 clsd to acft with a wingspan greater than 79'. Twy V clsd to acft with wingspan greater than 135'. Acft with wingspan greater than 91' prohibited from turning westbound onto Twy A from Twy V unless under tow. Acft with wingspan greater than 118' are prohibited from turning eastbound on Twy C from southwestbound on Twy F unless under tow. 180° turns by acft weighing in excess of 12,500 lbs prohibited on Rwy 10L-28R, Rwy 03-21 and all twys. PDX has fac constraints that limit its ability to add accommodate diverted flts and maintain the arpt safe ops dur irregular ops. Acft ops should ctc the on duty arpt ops supervisor for airside at 503-460-4134 to coord diverted flts exc in the case of a declared in-flt emerg. Ldg fee. Coml acft and ops of acft with an FAA certified max gross ldg wt that exceeds 10,000 lbs are rqrtd to pay a ldg fee. Flight Notification Service (ADCUS) avbl.

MILITARY REMARKS: ANG See FLIP AP/1 for Supplementary Arpt Information. Hazardous bird cond exist. Phase I May-Oct, Phase II Nov-Apr. Current bird watch cond are not reported on ATIS. PPR/Official Business Only. Base ops opr 1500-2300Z Mon-Fri exc hol, DSN 638-4390, C503-335-4390. Ctc Base OPS 15 mins prior to ldg and after departing on 281.2. Tran quarters not avbl. CAUTION: Obst lgtg is not NVD compatible. NVD not authorized while airborne in/ovf afld. NSTD yellow park spot designators and equipment tool box location painted on ramp. Please ctc base ops or req follow me if not familiar with Portland ANG base park procedures.

AIRPORT MANAGER: 503-415-6195

WEATHER DATA SOURCES: ASOS (503) 284-6771 WSP.

COMMUNICATIONS: D-ATIS 128.35 269.9 (503) 493-7557 UNICOM 122.95

① APP CON 284.6 (100°-279° HIGH) 124.35 299.2 (280°-099°) 126.9 (FINAL CTL)

TOWER 118.7 257.8 (Rwy 10L-28R) 123.775 251.125 (Rwy 03-21 and Rwy 10R-28L)

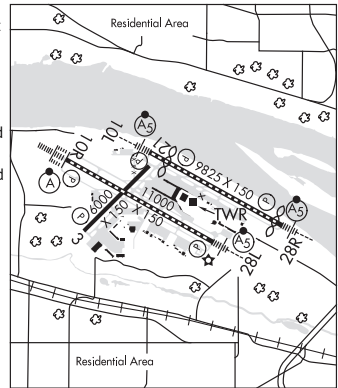
GND CON 121.9 348.6 **CLNC DEL** 120.125 318.1

② DEP CON 118.1 284.6 (100°-279° HIGH) 124.35 299.2 (280°-099°)

AFR OPNS 138.45 252.8 **ANG COMD POST** 288.9 (Guard Comd Post)

ANG OPNS 280.5 **PORTLAND GUARO OPS** 281.2

AIRSPACE: CLASS C svc ctc APP CON



CONTINUED ON NEXT PAGE

CONTINUED FROM PRECEDING PAGE

VOR TEST FACILITY (VOT) 111.0

RADIO AIDS TO NAVIGATION: NOTAM FILE PDX.

BATTLE GROUND (H) VORTAC 116.6 BTG Chan 113 N45°44.87' W122°35.49' 160° 9.6 NM to fld. 253/21E.

TACAN AZIMUTH & DME unusable:

035°-085° byd 35 NM blo 10,000'

COLUMBIA (H) TACAN Chan 29 CBU (109.2) N45°35.32' W122°36.68' at fld. 22/20E.

TACAN unusable:

030°-050° byd 20 NM blo 9,500'

155°-210° byd 20 NM blo 6,000'

210°-220° byd 20 NM blo 10,500'

220°-230° byd 20 NM blo 8,500'

230°-250° byd 15 NM blo 8,500'

250°-270° byd 20 NM blo 8,500'

LAKER NDB (MHW) 332 LBH N45°32.46' W122°27.74' 281° 6.4 NM to fld. SHUTDOWN.**ILS/DME** 111.3 I-VDG Chan 50 Rwy 10L. Class IT. DME also serves Rwy 28R.**ILS/DME** 110.5 I-PDX Chan 42 Rwy 10R. Class IIIE. DME also serves Rwy 28L.**LOC/DME** 108.9 I-GPO Chan 26 Rwy 21. LOC unusable byd 25° right of course.**ILS/DME** 110.5 I-JMJ Chan 42 Rwy 28L. Class IT. DME also serves Rwy 10R. Coupled apchs not auth blo 580' MSL (1.4 NM fm thld).**ILS/DME** 111.3 I-IAP Chan 50 Rwy 28R. DME also serves Rwy 10L.**PORTLAND-HILLSBORO** (HIO)(KHIO) 15 SW UTC-8(-7ZDT) N45°32.53' W122°57.04'

208 B TPA—See Remarks LRA NOTAM FILE HIO

RWY 13R-31L: H6600X150 (ASPH) S-50, D-70, 2S-89, 2D-110

HIRL

RWY 13R: MALSR. PAPI(P4L)—GA 3.0° TCH 49'. RVR-T**RWY 31L:** REIL. PAPI(P4L)—GA 3.0° TCH 50'. Tree. Rgt tfc.**RWY 02-20:** H3821X75 (ASPH) S-33, D-50, 2D-84 MIRL**RWY 02:** PAPI(P4R)—GA 3.0° TCH 41'. Road. Rgt tfc.**RWY 20:** PAPI(P4L)—GA 3.0° TCH 40'. Tree.**RWY 13L-31R:** H3600X60 (ASPH) S-12 MIRL**RWY 13L:** PAPI(P4L)—GA 3.0° TCH 27'.**RWY 31R:** PAPI(P4L)—GA 3.0° TCH 27'.

LAND AND HOLD—SHORT OPERATIONS

LDG RWY	HOLD—SHORT POINT	AVBL LDG DIST
RWY 13R	02-20	4922

SERVICE: S4 FUEL 100LL, JET A OX 1, 2, 4 LGT When twr clsd

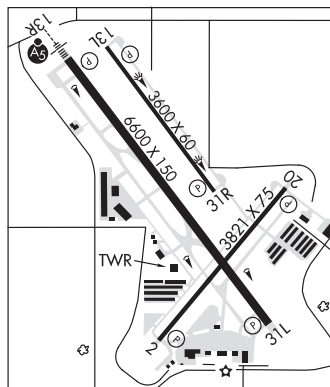
ACTIVATE MALSR Rwy 13R—CTAF.

AIRPORT REMARKS: Attended 1400-0600Z†. Rwy 13R-31L clsd to touch and go lds between 0600-1400Z†. Be alert for bird act in vicinity Nov to May. Glider ops 5 NM northwest during dalgt hrs Mar-Oct. NS ABTMT procedures in effect call 503-460-4100 or 800-938-6647. Noise sensitive areas border arpt west, south and east. Rwy 31L is preferred rwy for NS ABTMT. Avoid low level over flts of residential areas whenever possible. Nighttime touch and gos are discouraged 0600-1400Z†. TPA—1208 (1000), turbine and large acct 1708 (1500). Rwy 13R run-up area not visible from twr. Rwy 02-20 has 150' x 75' paved blast pads at both ends. Rwy 13R-31L has 200' x 150' paved blast pads at both ends. Be alert, extv helicopter training operations to Twy A, Twy B & Twy D. Flight Notification Service (ADCUS) avbl, 2 hr advance ntc rqr Mon-Sat 0100-1400Z† and 24 hrs Sun and hol. Coml acct and oprs of acct with an FAA certified maximum gross ldg weight that exceeds 10,000 lbs are rqr to pay a ldg fee. Ldg fee. Fee based CSTMS facility \$60 single engine, \$175 twin engine, \$500 turbine. CSTMS avbl 2000-0400Z† 503-693-1069, otherwise CSTMS Facility Notification (ADCUS) avbl, advance coordination rqr 503-326-3230.

AIRPORT MANAGER: 503-460-4119**WEATHER DATA SOURCES:** ASOS (503) 640-2984**COMMUNICATIONS:** CTAF 119.3 ATIS 127.65 UNICOM 122.95① **APP/DEP CON** 126.0 269.175 (LOW) 284.6 (HIGH)**TOWER** 119.3 (1400-0600Z†) **GND CON** 121.7**AIRSPACE:** CLASS D svc 1400-0600Z† other times CLASS E.

VOR TEST FACILITY (VOT) 115.2

RADIO AIDS TO NAVIGATION: NOTAM FILE MMV.

NEBERG (H) VORW/DME 117.4 UBG Chan 121 N45°21.19' W122°58.69' 345° 11.4 NM to fld. 1440/21E. HIWAS.**BANKS NDB (MHW)** 356 PND N45°37.82' W123°02.75' 127° 6.6 NM to fld. NOTAM FILE HIO.**ILS** 110.7 I-HIO Rwy 13R. Class IE. Unmonitored when ATCT clsd. Localizer unusable beyond 27° each side of course.**COMM/NAV/WEATHER REMARKS:** Emerg freq 121.5 not avbl at twr.SEATTLE
H-1B, L-1C
IAP, AD

PORTLAND—TROUTDALE (TTD)(KTTD) 10 E UTC-8(-7DT) N45°32.96' W122°24.08'SEATTLE
H-1B, L-1C
IAP, AD

39 B NOTAM FILE TTD

RWY 07-25: H5399X150 (ASPH) S-19, D-25 MIRL**RWY 07:** REIL. VASI(V4L)—GA 3.0° TCH 50'. Road.**RWY 25:** REIL. PAPI(P4L)—GA 3.1° TCH 31'. Thld dspcd 353'. Road.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 25:** TORA-5399 TODA-5399 ASDA-5399 LDA-5046**SERVICE:** S4 **FUEL** 100LL, JET A **OX** 1 **LGT** Rwy 07 VASI and PAPIRwy 25 opr continuously. **ACTIVATE** MIRL Rwy 07-25—CTAF.**AIRPORT REMARKS:** Attended 1500-0600Z†. Migratory flocks of waterfowl on and invof arpt. Portland Intl arpt (PDX) Rwy 10L-28R extended centerline crosses arpt, twr may issue restrictions due to PDX tfc.

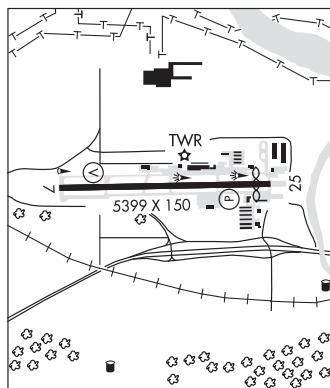
Multiple const cranes 110' AGL or blo located 2700' SW of Rwy 25 thld. Extensive helicopter ops on and adjacent to west ends of parallel twys, no early turnouts. NS ABTMT procedures in effect, call 503-460-4100 or 800-938-6647. Noise sensitive areas border the arpt west and south. Avoid low level over flts of residential areas.

Recommend between SS and SR Rwy 07 left tfc and Rwy 25 rft tfc due to bluff 500' south of arpt. Rwy 25 PAPI is baffled 08° left and rgt of centerline. Commercial acft and ops of acft with an FAA certified maximum gross ldg weight that exceeds 10,000 lbs are rqr to pay a ldg fee. Ldg fee.

AIRPORT MANAGER: 503-415-6119**WEATHER DATA SOURCES:** ASOS 135.625 (503) 492-2887.**COMMUNICATIONS:** CTAF 120.9 ATIS 135.625 503 -492-7634 **UNICOM** 122.95④ **PORTLAND APP CON** 118.1 284.6 (100°-279° HIGH) 299.2 (280°-099°) 124.35**TROUTDALE TOWER** 120.9 254.3 (1500-0600Z†) **GND CON** 121.8④ **PORTLAND DEP CON** 124.35 299.2**AIRSPACE:** CLASS D svc 1500-0600Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE PDX.**BATTLE GROUND (H) VORTACW** 116.6 BTG Chan 113 N45°44.87' W122°35.49' 125° 14.4 NM to fld. 253/21E.

TACAN AZIMUTH & DME unusable:

035°-085° byd 35 NM blo 10,000'

LAKER NDB (MHW) 332 LBH N45°32.46' W122°27.74' 063° 2.6 NM to fld. SHUTDOWN.**COMM/NAV/WEATHER REMARKS:** Frequency 121.5 not avbl at twr.**PORTLAND** N45°41.92' W122°55.52'

RCO 122.6 (MC MINNVILLE RADIO)

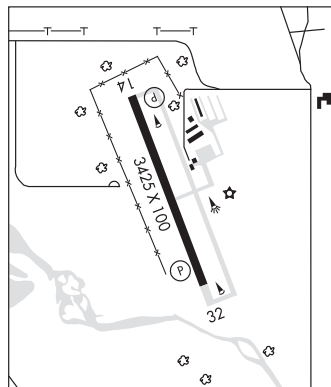
SEATTLE
L-1C**PORTLAND—MULINO****MULINO STATE** (4S9) 20 S UTC-8(-7DT) N45°12.98' W122°35.41'SEATTLE
L-1B

260 B NOTAM FILE MMV

RWY 14-32: H3425X100 (ASPH) MIRL 0.4% up SE**RWY 14:** PAPI(P2L)—GA 3.0° TCH 43'. Tree. Rgt tfc.**RWY 32:** PAPI(P2L)—GA 3.0° TCH 33'. Trees.**SERVICE:** S4 **FUEL** 100LL **LGT** PAPI Rwy 14 and Rwy 32 opr 24 hrs.**ACTIVATE** MIRL Rwy 14-32, twy lgts, and windcone—CTAF.**AIRPORT REMARKS:** Unattended. Be alert for weekend glider activity.

Parachute Jumping. Skydiving activity on and in vicinity of airport.

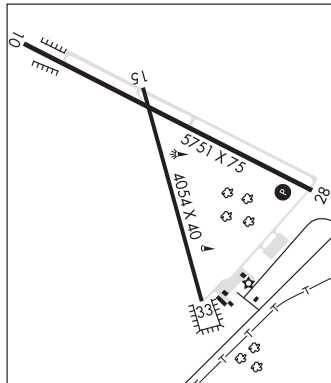
Landing zone 1400' east of runway. Wildlife on and invof arpt. Rwy 32 designated calm wind rwy.

AIRPORT MANAGER: 503-378-4880**COMMUNICATIONS:** CTAF/UNICOM 123.05**PORTLAND CLNC DEL** 119.95**RADIO AIDS TO NAVIGATION:** NOTAM FILE MMV.**NEWBERG (H) VOR/DME** 117.4 UBG Chan 121 N45°21.19'W122°58.69' 095° 18.4 NM to fld. 1440/21E. **HIWAS.**

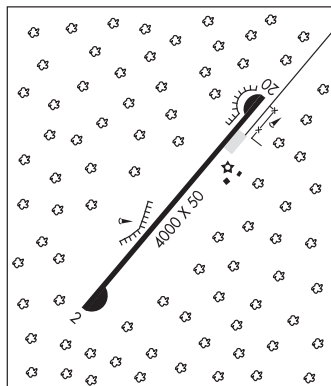
POWERS (6S6) 1 SE UTC-8(-7DT) N42°52.16' W124°03.54'
 326 TPA—1326(1000) NOTAM FILE MMV
RWY 13-31: 2500X60 (TURF)
RWY 13: Trees.
RWY 31: Trees.
AIRPORT REMARKS: Unattended. Arpt in valley surrounded by high terrain. Livestock and wildlife on and in/ov arpt. Rwy 31 NSTD markings, thld marked with white tires.
AIRPORT MANAGER: (541) 572-2737
COMMUNICATIONS: CTAF 122.9

KLAMATH FALLS

PRINEVILLE (S39) 3 SW UTC-8(-7DT) N44°17.27' W120°54.31'
 3251 B NOTAM FILE MMV
RWY 10-28: H5751X75 (ASPH) S-30 MIRL
RWY 10: Trees.
RWY 28: PAPI(P4L)—GA 3.0° TCH 41'.
RWY 15-33: H4054X40 (ASPH) S-5 LIRL 0.3% up SE
RWY 33: Trees.
SERVICE: S4 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 10-28, PAPI Rwy 28, and LIRL Rwy 15-33—CTAF.
AIRPORT REMARKS: Attended Oct-Apr 1500-0100Z†, May-Sep 1500-0200Z†. Cold temperature restricted airport. Altitude correction required at or below -26C/-15F. 24 hr card lock self-svc fuel avbl. Deer on and in/ov arpt. Rwy 15-33 ltd by arpt opr to 5000 lbs max weight.
AIRPORT MANAGER: 541-416-0805
WEATHER DATA SOURCES: AWOS-3PT 118.325 (541) 447-4060.
COMMUNICATIONS: CTAF/UNICOM 122.8
SEATTLE CENTER APP/DEP CON 128.15
RADIO AIDS TO NAVIGATION: NOTAM FILE RDM.
DESCHUTES (H) VORTACW 117.6 DSD Chan 123 N44°15.17' W121°18.21' 065° 17.3 NM to fld. 4101/18E. **HIWAS.**
 VORTAC unusable:
 220°-240° byd 30 NM

KLAMATH FALLS
H-1B, L-13A
IAP

PROSPECT STATE (64S) 1 S UTC-8(-7DT) N42°44.56' W122°29.34'
 2578 B TPA—3578(1000) NOTAM FILE MMV
RWY 02-20: H4000X50 (ASPH) LIRL 1.3% up N
RWY 02: Trees.
RWY 20: Trees.
SERVICE: LGT LIRL OTS indef.
AIRPORT REMARKS: Unattended. Arpt clsd SS-SR. Irregular winter maintenance, arpt may be clsd by snow. Trees obscure view of rotating bcn from southeast-southwest quadrants of arpt. 80'-100' trees within 200' of rwy centerline both sides of rwy. Turf tie down area rough.
AIRPORT MANAGER: 503-378-4880
COMMUNICATIONS: CTAF/UNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE MFR.
ROGUE VALLEY (H) VORTACW 113.6 OED Chan 83 N42°28.77' W122°54.78' 031° 24.5 NM to fld. 2083/19E. **HIWAS.**
 TACAN AZIMUTH unusable:
 245°-350° byd 30 NM blo 10,000'
 VOR unusable:
 260°-270° byd 35 NM blo 9,000'
 290°-300° byd 35 NM blo 8,500'

KLAMATH FALLS
L-2J

PUMIE N42°27.06' W122°54.80' NOTAM FILE MFR.
NDB (LOM) 373 MF 143° 4.9 NM to Rogue Valley Intl - Medford. LOM unusable 260°-270° beyond 10 NM.

KLAMATH FALLS

REDMOND**ROBERTS FLD** (RDM)(KRDM) 1 SE UTC-8(-7DT) N44°15.24' W121°09.00'**KLAMATH FALLS**

3080 B Class I, ARFF Index B NOTAM FILE RDM

H-1B, L-13A**RWY 05-23:** H7038X150 (ASPH-GRVD) S-68, D-110, 2S-140,**IAP, AD**

2D-200 HIRL 0.3% up SW

RWY 05: REIL. VASI(V4L)—GA 3.0° TCH 50'.**RWY 23:** MALSR. PAPI(P4L)—GA 3.0° TCH 43'.**RWY 11-29:** H7006X100 (ASPH-GRVD) S-28, D-40 MIRL

0.5% up SE

RWY 11: REIL. VASI(V4L)—GA 3.0° TCH 50'.**RWY 29:** REIL. PAPI(P4L)—GA 3.0° TCH 43'.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 05:** TORA-7038 TODA-7038 ASDA-7038 LDA-7038**RWY 11:** TORA-7006 TODA-7006 ASDA-7006 LDA-7006**RWY 23:** TORA-7038 TODA-7038 ASDA-7031 LDA-7031**RWY 29:** TORA-7006 TODA-7006 ASDA-7006 LDA-7006**SERVICE:** S4 FUEL 100LL, JET A LGT When twr clsd ACTIVATE HIRL

Rwy 05-23, MIRL Rwy 11-29, MALSR Rwy 23, REIL Rwy 05, Rwy 11 and Rwy 29 and twy lgts—CTAF.

AIRPORT REMARKS: Attended 1330Z†-dusk. For fuel after hrs call

541-410-2938 or 541-504-3848. Tran helicopter ops preferred

north (conc) general aviation ramp. Ocnl wildlife on and invof arpt.

Cold temperature restricted airport. Altitude correction required at or below -19C/-2F. Rwy 11-29 avbl to acft when Rwy 05-23 clsd. Rwy 11-29 avbl to acft in excess of SW28, DW 40-70 when Rwy 05-23 not preferred, and upon req to ATC. No access to/from terminal apron via Twy E when acft parked at south end of terminal apron. Terminal apron not avbl for general aviation acft. Helipad H1 pvt use only.

AIRPORT MANAGER: 541-504-3499**WEATHER DATA SOURCES:** ASOS 119.025 (541) 504-8743.**COMMUNICATIONS:** CTAF 124.5 ATIS 119.025 541-548-1742 UNICOM 122.95**REDMOND RCO** 122.5 (MC MINNVILLE RADIO)**SEATTLE CENTER APP/DEP CON** 128.15**REDMOND TOWER** 124.5 (1300-0300Z†) GND CON 121.8**AIRSPACE:** CLASS D svc 1300-0300Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDM.**DESCHUTES (H) VORTACW** 117.6 DSD Chan 123 N44°15.17' W121°18.21' 071° 6.6 NM to fld. 4101/18E.**HIWAS.**

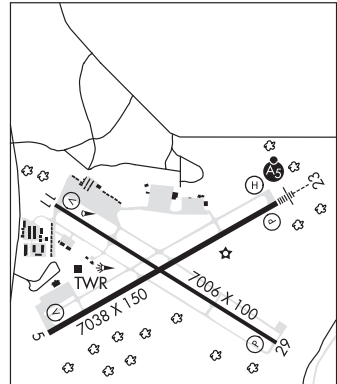
VORTAC unusable:

220°-240° byd 30 NM

ILS/DME 109.1 I-RDM Chan 28 Rwy 23. Class IE.

COMM/NAV/WEATHER REMARKS: ATC radar svc provided within 40 NM radius by Seattle Ctr to transponder equipped acft only.

RDM ATCT does not provide ATC radar svc.

HELIPAD H1: H48X48 (CONC)**REDMOND** N44°15.25' W121°09.15'**KLAMATH FALLS****RCO** 122.5 (MC MINNVILLE RADIO)**L-13A****ROBERTS FLD** (See REDMOND on page 157)**ROGUE VALLEY INTL — MEDFORD** (See MEDFORD on page 146)

ROME STATE (REO)(KREO) 20 SW UTC-8(-7DT) N42°34.66' W117°53.13'

KLAMATH FALLS

4053 TPA—5053(1000) NOTAM FILE REO

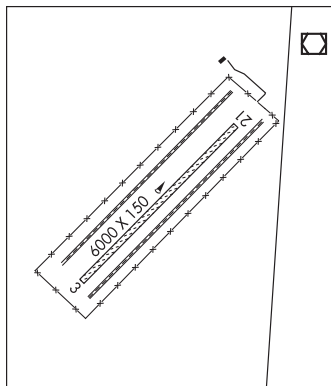
RWY 03-21: 6000X150 (GRVL)

AIRPORT REMARKS: Unattended. Sage growing in primary sfc. Rwy 03-21 sagebrush growing on west portion of rwy. Rwy 03-21 ltd by arpt opr to 8000 lbs single wheel gear.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

RCO 122.65 (BOISE RADIO)



ROME N42°35.43' W117°52.09' NOTAM FILE REO.

KLAMATH FALLS

(H) **VORW/DME** 112.5 REO Chan 72 206° 1.1 NM to Rome State. 4040/19E.

H-3C, L-11B

DME unusable:

095°-105° byd 30 NM blo 10,000'

115°-125° byd 30 NM blo 10,000'

RCO 122.65 (BOISE RADIO)

ROSEBURG

GEORGE FELT (5S1) 3 W UTC-8(-7DT) N43°12.93' W123°24.26'

KLAMATH FALLS

428 NOTAM FILE MMV

RWY 10-28: 2300X100 (TURF) 0.4% up E

RWY 10: Tree.

RWY 28: Road. Rgt tfc.

AIRPORT REMARKS: Attended irregularly. Deer frequently on rwy. Migratory flocks of waterfowl on and invof arpt. Soft earth off rwy and twy when wet. For NS ABTMT fly to river before turning. Monitor Roseburg Rgnl CTAF/UNICOM for conflicting acft. Rwy 28 4' fence at 30' crossing apch. Rwy 10 +25' trees at 50' from cntrn both sides.

AIRPORT MANAGER: 541-673-7709

COMMUNICATIONS: CTAF 122.9

ROSEBURG RGNL (RBG)(KRBG) 1 NW UTC-8(-7DT) N43°14.36' W123°21.35'

KLAMATH FALLS

534 B NOTAM FILE RBG

H-1B, L-1A

RWY 16-34: H5003X100 (ASPH) S-42, D-54, 2D-88 MIRL

IAP

0.7% up N

RWY 16: REIL. Thld dspcd 1100'. Pole.

RWY 34: REIL. VASI(V2L)—GA 3.0° TCH 39'. Thld dspcd 372'. Tree.

SERVICE: S4 **FUEL** 100LL, JET A **OX** 1 **LGT** Rwy 34 VASI opr continuously. **ACTIVATE** MIRL Rwy 16-34 and REIL Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Attended 1600-0100Z±. Migratory flocks of waterfowl on and invof arpt. Rwy 16 has a 150' blast pad marked with yellow chevrons.

AIRPORT MANAGER: 541-672-7701

WEATHER DATA SOURCES: ASOS 135.475 (541) 673-1483.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.55 (MC MINNVILLE RADIO)

SEATTLE CENTER APP/DEP CON 121.4

RADIO AIDS TO NAVIGATION: NOTAM FILE RBG.

(L) **VORW/DME** 108.2 RBG Chan 19 N43°10.95'

W123°21.13' 337° 3.4 NM to fld. 1320/20E.

DME unusable:

070°-130° byd 20 NM blo 8,000'

130°-190° byd 30 NM blo 7,000'

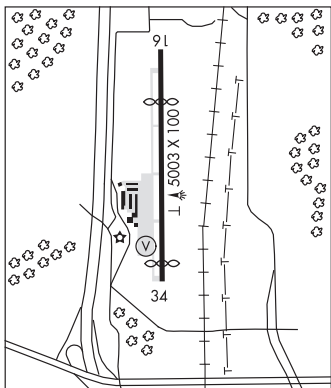
240°-320° byd 25 NM blo 5,000'

VOR unusable:

070°-130° byd 20 NM blo 8,000'

130°-150° byd 20 NM blo 7,000'

240°-290° byd 25 NM blo 5,000'



SALEM

MCNARY FLD (SLE)(KSLE) P (ARNG) 2 SE UTC-8(-7DT) N44°54.57' W123°00.15'

SEATTLE
H-1B, L-1B
IAP, AD

214 B Class IV, ARFF Index A NOTAM FILE SLE

RWY 13-31: H5811X150 (ASPH-GRVD) S-100, D-122, 2S-154,

2D-185 HIRL 0.3% up SE

RWY 13: ODALS. REIL. VASI(V4L)—GA 3.0° TCH 50'. Road.

RWY 31: MALSR. RVR-T Tree.

RWY 16-34: H5145X100 (ASPH-GRVD) S-30, D-60, 2D-100 MIRL 0.3% up S

RWY 16: REIL. PAPI(P4L)—GA 3.0° TCH 38'. Road.

RWY 34: REIL. PAPI(P4L)—GA 4.0° TCH 42'. Tree.

LAND AND HOLD—SHORT OPERATIONS

LDG RWY	HOLD—SHORT POINT	AVBL LDG DIST
RWY 31	16-34	3150
RWY 34	13-31	3050

SERVICE: S4 **FUEL** 100LL, JET A **OX** 1, 3 **LGT** Rwy 34 PAPI OTS indef.

When twr clsd **ACTIVATE** HIRL Rwy 13-31, MIRL Rwy 16-34, REIL

Rwy 13, Rwy 16 and Rwy 34, MALSR Rwy 31 and ODALS Rwy

13—CTAF.

MILITARY—FUEL (NC-100LL—Self svc avbl H24. A—Avbl after bus hr with PN C503-508-4178/593-364-0111.)

AIRPORT REMARKS: Attended 1530Z±-dusk. Self fueling (100LL only) avbl 24 hrs a day. Jet A avbl after nml business hrs with advanced ntc at 503-508-4178 or 503-364-0111. Rising terrain and trees west and south of arpt, including extended centerline of Rwy 34. PPR for unscheduled air carrier ops with more than 30 pax seats, call arpt mgr on 503-588-6314. PPR rqrd for parking acft on general aviation ramp over 99,000 lbs call arpt mgr 503-588-6314. Bird haz, heavy concentration waterfowl adjacent to arpt and apchs to all rwys. Twy A from Twy L to Twy L9 not visible from twr. Flocks of geese concentrated transiting Class D airspace at tfc pat alt Oct-May. NS ABTMT procedures in effect.

AIRPORT MANAGER: 503-588-6314

WEATHER DATA SOURCES: ASOS (503) 371-1062

COMMUNICATIONS: CTAF 119.1 ATIS 124.55 UNICOM 122.95

SALEM RCO 122.6 (MC MINNVILLE RADIO)

® SEATTLE CENTER APP/DEP CON 125.8

SALEM TOWER 119.1 (1500-0500Z±) GND CON 121.9

AIRSPACE: CLASS D svc 1500-0500Z± other times CLASS E.

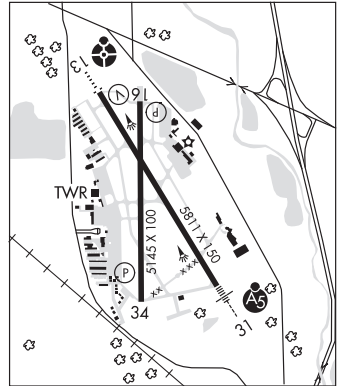
RADIO AIDS TO NAVIGATION: NOTAM FILE MMV.

NEWBERG (H) VORW/DME 117.4 UBG Chan 121 N45°21.19' W122°58.69' 161° 26.6 NM to fld. 1440/21E.

HIWAS.

TURNO NDB (LOM) 266 SL N44°50.85' W122°57.06' 312° 4.3 NM to fld. ILS and TURNO COMLO unmonitored when ATCT clsd.

ILS/DME 110.3 I-SLE Chan 40 Rwy 31. ILS and TURNO COMLO unmonitored when ATCT clsd.



SALEM N44°55.14' W123°00.54'

RCO 122.6 (MC MINNVILLE RADIO)

SEATTLE
L-1B

SANDY

COUNTRY SQUIRE AIRPARK (S48) 3 S UTC-8(-7DT) N45°21.27' W122°16.08'

SEATTLE
L-1B

1175 NOTAM FILE MMV

RWY 07-25: H3095X32 (ASPH) S-7

RWY 07: Trees.

RWY 25: Tree.

AIRPORT REMARKS: Attended irregularly. Deer on and invof arpt. Rwy 07-25 magnetic heading 080°-260°. Ldg fee. Overnight tiedown fee and ldg fee for non based acft.

AIRPORT MANAGER: 503-668-6808

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE PDX.

BATTLE GROUND (H) VORTACW 116.6 BTG Chan 113 N45°44.87' W122°35.49' 129° 27.3 NM to fld. 253/21E.

TACAN AZIMUTH & DME unusable:

035°-085° byd 35 NM blo 10,000'

SANDY RIVER (Ø3S) 1 NE UTC-8(-7DT) N45°24.10' W122°13.72'

SEATTLE

704 TPA—See Remarks NOTAM FILE MMV

RWY 08-26: 2115X100 (TURF)

RWY 08: Trees.

RWY 26: Road.

SERVICE: S3

AIRPORT REMARKS: Attended SR-SS. Extv ultralight activity on and invof arpt. Ultralight ops use rgt tfc and TPA—1304(600), do not land on turf adjacent to rwy. Rwy 08-26 not marked. Rwy lights delineate only 70' of rwy width.

AIRPORT MANAGER: 503-453-5775

COMMUNICATIONS: CTAF/UNICOM 122.8

SANTIAM JUNCTION STATE (8S3) 0 S UTC-8(-7DT) N44°26.07' W121°56.54'

KLAMATH FALLS

3780 TPA—4780(1000) NOTAM FILE MMV

RWY 06-24: 2800X150 (GRVL)

RWY 06: Trees.

RWY 24: Trees.

AIRPORT REMARKS: Unattended. Arpt CLOSED Nov 1–May 1 or when covered by snow. Owner advises ctc with Department of Aviation 503-378-4880 prior to use. Land to east tkf to west. Arpt surrounded by trees and high terrain. Rwy 06-24 marked with white tires at corners. Rwy thlds marked with white tires at corners. State Highway Maintenance Station nearby.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

SCAPPOOSE INDUSTRIAL AIRPARK (SPB)(KSPB) 1 NE UTC-8(-7DT) N45°46.26' W122°51.71'

SEATTLE

58 B NOTAM FILE SPB

H-1B, L-1C

RWY 15-33: H5100X100 (ASPH) S-30, D-50, 2D-90 MIRL

IAP

0.6% up NW

RWY 15: REIL. PAPI(P4L)—GA 3.73° TCH 41'. Tree.

RWY 33: PAPI(P4L)—GA 3.0° TCH 40'. Rgt tfc.

SERVICE: S4 FUEL 100LL, JET A

AIRPORT REMARKS: Attended 1600Z†–dusk. Extv ultralight activity on west side parallel twy. Rwy 33 has basic markings plus aiming points.

AIRPORT MANAGER: 503-397-2888

WEATHER DATA SOURCES: ASOS 135.875 (503) 543-6401.

COMMUNICATIONS: CTAF/UNICOM 122.8

® PORTLAND APP CON 124.35

® PORTLAND DEP CON 133.0

CLNC DEL 121.65

RADIO AIDS TO NAVIGATION: NOTAM FILE PDX.

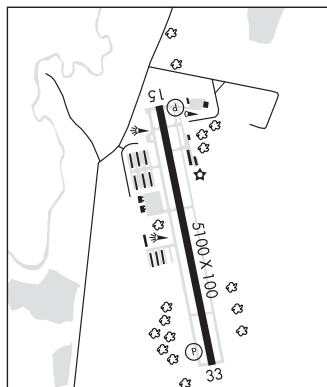
BATTLE GROUND (H) VORTACW 116.6 BTG Chan 113 N45°44.87'

W122°35.49' 256° 11.4 NM to fld. 253/21E.

TACAN AZIMUTH & DME unusable:

035°–085° byd 35 NM blo 10,000'

LOC/DME 111.1 I-FKO Chan 48 Rwy 15. LOC unusable byd 20' w of course.



SEASIDE MUNI (56S) 1 NE UTC-8(-7DT) N46°00.90' W123°54.46'

SEATTLE

12 B TPA—1012(1000) NOTAM FILE MMV

RWY 16-34: H2211X50 (ASPH) S-12 LIRL

RWY 16: Thld dsplcd 155'. Brush.

RWY 34: Road.

AIRPORT REMARKS: Unattended. Birds and elk on and invof rwy.

AIRPORT MANAGER: 503-738-5112

COMMUNICATIONS: CTAF 122.9

SEXTON SUMMIT SXT N42°36.00' W123°21.97' /3838

KLAMATH FALLS

ASOS 118.375 (541) 471-1460

L-2J

SILETZ BAY STATE (See GLENEDEN BEACH on page 137)

SILVER LAKE F S STRIP (45S) 3 SW UTC-8(-7DT) N43°06.66' W121°05.65'

KLAMATH FALLS

4492 NOTAM FILE MMV

RWY 03-21: 3000X55 (TURF-DIRT)**RWY 03:** Fence.**RWY 21:** Fence.

AIRPORT REMARKS: Unattended. Rwy soft when wet, call 541-576-7520 for current cond. Rwy sfc bumpy when dry. Rwy 03-21 weed growth and sage throughout primary sfc. Rwy 03 outlined with white tires. Rwy 03-21 has fence post at each end of rwy painted orange and white.

AIRPORT MANAGER: 541-219-1439**COMMUNICATIONS:** CTAF 122.9**SISTERS EAGLE AIR** (6K5) 1 N UTC-8(-7DT) N44°18.27' W121°32.35'

KLAMATH FALLS

L-1B

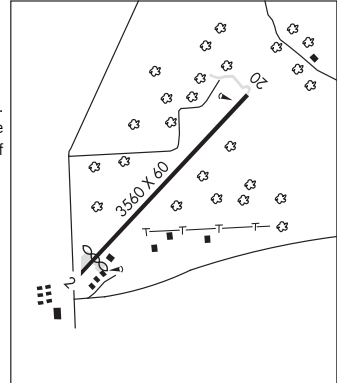
3168 TPA-4168(1000) NOTAM FILE MMV

RWY 02-20: H3560X60 (ASPH) S-4**RWY 02:** Thld dsplcd 340'. Tree.**RWY 20:** Trees.**SERVICE:** FUEL 100LL

AIRPORT REMARKS: Unattended. Deer on and invof arpt. Rising terrain off departure end of Rwy 02. Check density alt/acft performance prior to tkt. Avoid overflights of homes to northeast. Pilots may consider a departure climb over meadow approximately 45° to the left of the departure end of Rwy 02. Rwy 02-20 numbers and centerline smaller than std.

AIRPORT MANAGER: 541-513-8948**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDM.**DESCHUTES (H) VORTACW** 117.6 DSD Chan 123 N44°15.17'W121°18.21' 269° 10.6 NM to fld. 4101/18E. **HIWAS.****VORTAC** unusable:

220°-240° byd 30 NM



SIXES

CAPE BLANCO STATE (5S6) 4 NW UTC-8(-7DT) N42°51.48' W124°31.07'

KLAMATH FALLS

H-1B, L-1A

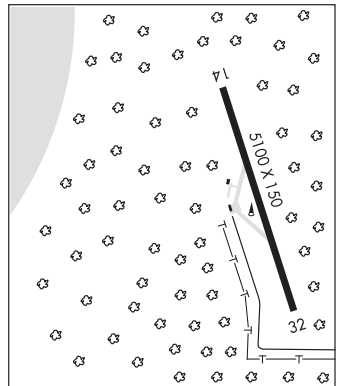
214 TPA-1214(1000) NOTAM FILE MMV

RWY 14-32: H5100X150 (ASPH) S-115, D-185, 2D-340**RWY 14:** Trees.**RWY 32:** Brush.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF 122.9**RCO** 122.4 (MC MINNVILLE RADIO)**RADIO AIDS TO NAVIGATION:** NOTAM FILE CEC.**CRESCENT CITY (L) VORTACW** 109.0 CEC Chan 27 N41°46.77'

W124°14.45' 335° 65.8 NM to fld. 53/14E.

TACAN AZIMUTH & DME unusable:

195°-235° byd 20 NM

**SKYPORT** (See CORNELIUS on page 132)**SOUTHWEST OREGON RGNL** (See NORTH BEND on page 149)**SPORTSMAN AIRPARK** (See NEWBERG on page 147)**STARK'S TWIN OAKS AIRPARK** (See HILLSBORO on page 138)

SUNRIVER (S21) 1 W UTC-8(-7DT) N43°52.58' W121°27.18'
4163 B TPA—5163(1000) NOTAM FILE MMV

KLAMATH FALLS
H-1B, L-1A, 11A
IAP

RWY 18-36: H5461X75 (ASPH) S-30 LIRL

RWY 18: VASI(V2L)—GA 3.5° TCH 22'. Thld displcd 988'. Tree. Rgt tfc.

RWY 36: Trees.

SERVICE: FUEL 100LL, JET A, A+ LGT ACTIVATE LIRL Rwy 18-36 and VASI Rwy 18—CTAF.

AIRPORT REMARKS: Attended 1 Apr-15 May 1630-0100Z†, 16 May-15 Jun 1600-0200Z†, 16 June-15 Sep 1600-0200Z†, 16 Sep-15 Oct 1600-0130Z†, 16 Oct-30 Nov 1600-0100Z†, 1 Dec-31 Mar 1630-0030Z†. After hrs fuel call 541-593-4603 for instructions or call after hrs emerg 541-480-1688. Flocks of waterfowl invof arpt. For NS ABTMT departing acft are urged to climb west of arpt prior to turning on course.

AIRPORT MANAGER: 541-593-4603

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.3 (MC MINNVILLE RADIO)

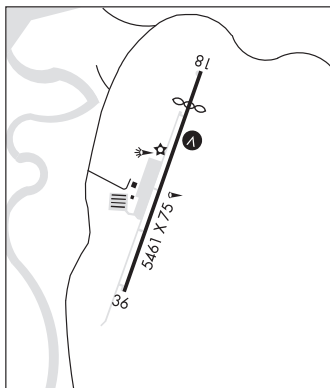
SEATTLE CENTER APP/DEP CON 128.15

RADIO AIDS TO NAVIGATION: NOTAM FILE RDM.

DESCHUTES (H) VORTACW 117.6 DSD Chan 123 N44°15.17' W121°18.21' 178° 23.5 NM to fld. 4101/18E. **HIWAS.**

VORTAC unusable:

220°-240° byd 30 NM



THE DALLES

COLUMBIA GORGE RGNL/THE DALLES MUNI (DLS)(KDLS) 2 NE UTC-8(-7DT) N45°37.16' W121°10.10'

SEATTLE
H-1B, L-13A
IAP

247 B NOTAM FILE DLS

RWY 13-31: H5097X100 (ASPH) S-30, D-30 MIRL 0.5% up SE

RWY 13: Thld displcd 200'. Trees.

RWY 31: REIL.

RWY 07-25: H4647X100 (ASPH) S-30, D-30 MIRL 0.7% up E

RWY 07: Thld displcd 440'. Trees.

RWY 25: Thld displcd 196'.

SERVICE: S4 FUEL 100LL, JET A1 LGT ACTIVATE MIRL Rwy 13-31, Rwy 07-25 and REIL Rwy 31—CTAF. REIL opr on 7 clicks only.

AIRPORT REMARKS: Attended 1600-0200Z†. Waterfowl on and invof arpt. PPR for overweight lds. Mountains byd 5000' apch Rwy 31. Arpt physically located in state of Washington.

AIRPORT MANAGER: 509-767-0005

WEATHER DATA SOURCES: ASOS 135.175 (509) 767-1726.

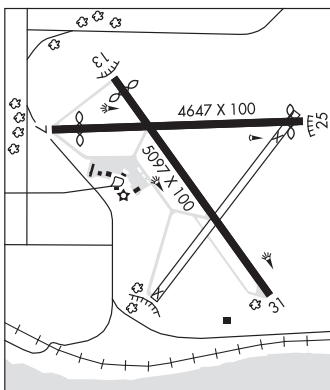
COMMUNICATIONS: CTAF/UNICOM 123.0

RADIO AIDS TO NAVIGATION: NOTAM FILE DLS.

Klickitat (H) VORW/DME 112.3 LTJ Chan 70 N45°42.82' W121°06.05' 186° 6.3 NM to fld. 3220/21E. **HIWAS.**

ILS/DME 109.35 I-DLS Chan 30(Y) Rwy 25. LOC unusable byd

33° rgt of course. Unmonitored.



THE DALLES N45°42.82' W121°06.06'
RCO 122.65 (SEATTLE RADIO)

SEATTLE
L-13A

TILLAMOOK (TMK)(KTMK) 3 S UTC-8(-7DT) N45°25.10' W123°48.86'

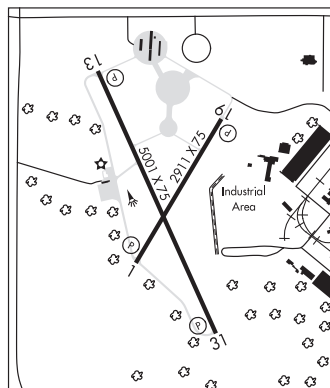
39 B NOTAM FILE TMK

RWY 13-31: H5001X75 (ASPH) S-60, D-75, 2D-125 MIRL

0.4% up SE

RWY 13: REIL. PAPI(P2L)—GA 3.0° TCH 42'. Trees.**RWY 31:** PAPI(P2L)—GA 3.5° TCH 40'. Trees.**RWY 01-19:** H2911X75 (ASPH) S-40, D-46, 2D-67 MIRL**RWY 01:** PAPI(P2L)—GA 4.0° TCH 45'. Fence.**RWY 19:** PAPI(P2L)—GA 3.0° TCH 40'. Trees. Rgt tfc.**SERVICE:** FUEL 100LL, JET A LGT Rwy 13 REIL OTS indef. PAPI Rwy 01, Rwy 13, Rwy 19, and Rwy 31 opr continuously. ACTIVATE MIRL Rwy 01-19 and Rwy 13-31—CTAF.**AIRPORT REMARKS:** Attended 1700-0100Z†. Ultralight acft on and invof arpt. Ocnl flocks of birds on or near arpt. Rwy 01 markings fading and chipping. Rwy 19 markings fading and chipping.**AIRPORT MANAGER:** 503-842-2413**WEATHER DATA SOURCES:** AWOS-3 120.0 (503) 842-8792.**COMMUNICATIONS:** CTAF/UNICOM 122.8

SEATTLE CENTER APP/DEP CON 124.2

RADIO AIDS TO NAVIGATION: NOTAM FILE MMV.**NEWBERG (H) VORV/DME** 117.4 UBG Chan 121 N45°21.19'W122°58.69' 256° 35.6 NM to fld. 1440/21E. **HIWAS.**

SEATTLE

H-1B, L-1C

IAP

TOKETEE STATE (See CLEARWATER on page 131)**TOLEDO STATE** (5S4) 1 SW UTC-8(-7DT) N44°36.06' W123°56.38'

12 TPA-1012(1000) NOTAM FILE MMV

RWY 13-31: H1750X40 (ASPH)**RWY 13:** Trees.**RWY 31:** Trees.**AIRPORT REMARKS:** Unattended. Numerous deer and waterfowl invof of arpt. Owner advises ctc with Department of Aviation 503-378-4880 prior to use. Trees in transition area. Curve apch path from over water to avoid obst in transitional areas. Unpaved ramp and twy. Rwy may be under water during high tides. Ocnl driftwood may be on rwy following flooding. +20' trees in transitional sfc at 50'-75' from rwy edge.**AIRPORT MANAGER:** 503-378-4880**COMMUNICATIONS:** CTAF 122.9

SEATTLE

TURNO N44°50.85' W122°57.06' NOTAM FILE SLE.**NDB (LOM)** 266 SL 312° 4.3 NM to McNary Fld. ILS and TURNO COMLO unmonitored when ATCT clsd.

SEATTLE

VALE**MILLER MEM AIRPARK** (S49) 1 SW UTC-7(-6DT) N43°57.83' W117°15.56'

2249 B NOTAM FILE MMV

RWY 18-36: H3872X65 (ASPH) LIRL**RWY 18:** Thld dsplcd 880'. Road.**RWY 36:** Thld dsplcd 125'. Tree.**RWY 10-28:** 2100X40 (GRVL)**RWY 10:** Berm.**RWY 28:** Tree.**SERVICE:** LGT ACTIVATE LIRL Rwy 18-36—CTAF.**AIRPORT REMARKS:** Unattended. Rwy 18 has a 660' grvl ovrn. Rwy 36 has very rough grvl extrn. Rwy lggt obscured by vegetation.**AIRPORT MANAGER:** 541-473-2530**COMMUNICATIONS:** CTAF 122.9

KLAMATH FALLS

VALLEY VIEW (See ESTACADA on page 134)**VANCOUVER** N45°41.92' W122°55.52'

RCO 122.35 (SEATTLE RADIO)

SEATTLE

L-1C

VERNONIA MUNI (Ø5S) 2 W UTC-8(-7DT) N45°51.13' W123°14.57'

SEATTLE

650 NOTAM FILE MMV

RWY 09-27: 2940X45 (TURF)

RWY 09: Trees. Rgt tfc.

RWY 27: Hill.

AIRPORT REMARKS: Unattended. Hangars 100' rgt of cntrln on AER 27. Rwy 09, 4' fence at rwy end marked by orange pylons. Rwy 27 10' road 10' from rwy end.

AIRPORT MANAGER: 503-429-5103

COMMUNICATIONS: CTAF 122.9

WAKONDA BEACH STATE (See WALDPORT on page 164)

WALDPORT

WAKONDA BEACH STATE (R33) 3 S UTC-8(-7DT) N44°23.07' W124°05.11'

KLAMATH FALLS

41 TPA—1041(1000) NOTAM FILE MMV

RWY 16-34: 2000X30 (TURF)

RWY 16: Road.

RWY 34: Trees.

AIRPORT REMARKS: Unattended. Owner advises ctc Oregon Dept of Aviation 503-378-4880 prior to use. Ldg to the south and tkf to the north not recommended. Rwy sfc may be soft after extv winter rains. Many 10-35' trees at 30-250' from rwy end both sides of centerline in apch area. Numerous other 2-6' trees within 50' of rwy end both sides of centerline. Rwy 34 curve apch from southwest to avoid high terrain and trees rgt at 800'. Rwy 34 has rising terrain and ditch 7' wide and 2' deep at 10' from thld. Rwy 16 has a road, +30' trees, and a p-line across the apch path within 50' of rwy end. 15' trees at 175' from Rwy 34 on cntrln. +30' trees at 70-90' from rwy along both sides. Rwy 16-34 white tires mark rwy ends.

AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

WASCO STATE (35S) 1 E UTC-8(-7DT) N45°35.35' W120°40.44'

SEATTLE

1503 B TPA—2503(1000) NOTAM FILE MMV

RWY 07-25: H3450X60 (ASPH) S-12.5 MIRL 1.5% up E

SERVICE: LGT ACTIVATE MIRL Rwy 07-25—CTAF.

AIRPORT REMARKS: Unattended. Extv AG sprayer ops, dur spring and summer.

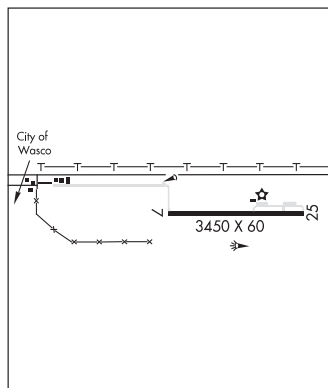
AIRPORT MANAGER: 503-378-4880

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE DLS.

KLICKITAT (H) VORW/DME 112.3 LTJ Chan 70 N45°42.82'

W121°06.05' 091° 19.5 NM to fld. 3220/21E. **HIWAS.**



WILDHORSE N43°35.59' W118°57.30' NOTAM FILE BNO.
(L) VORW/DME 113.8 ILR Chan 85 at Burns Muni. 4146/18E.

KLAMATH FALLS

L-11A

ABBOTSFORD (CYXX) 2 SW UTC-8(-7DT) N49°01.52' W122°21.60'

SEATTLE
H-1B, L-1E

194 B AOE NOTAM FILE CYXX Not insp.

RWY 07-25: H9597X200 (ASPH-CONC) HIRL

RWY 07: SSALR. REIL. Rgt tfc.

RWY 25: ODALS. REIL. PAPI(P4L)—GA 3.0°. Thld dspcd 295'.

RWY 01-19: H5328X200 (ASPH) MIRL

RWY 01: REIL. PAPI(P4L)—GA 3.0°. Rgt tfc.

RWY 19: REIL. PAPI(P4L)—GA 3.0°.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 01: TORA-5328 TODA-6178 ASDA-5328 LDA-5328

RWY 07: TORA-9597 TODA-10101 ASDA-9597 LDA-9597

RWY 19: TORA-5328 TODA-5854 ASDA-5328 LDA-5328

RWY 25: TORA-9597 TODA-10581 ASDA-9695 LDA-9302

SERVICE: S4 FUEL 100LL, JET A

AIRPORT REMARKS: Attended continuously. ARFF svc avbl. Turbo-jet, turbo-fan, and turbo-prop not permitted from

0600-1500Z†. All other ngt trng as authorized by arpt mgr. Parachute area aprx 5 NM NE of arpt. Prior ntc rqrd for cstms (1600-0800Z†) call 888-226-7277. IFR trng flts PPR ctc 604-775-9674. Helicopter trng on infld. Numerous obst in helicopter trng areas. Oprs ltd winter maintenance 1430-0700Z†. Other times 2 hrs prior ntc rqrd, call out charge. PPR dur winter maintenance exc scheduled ops, alternate or emerg, CRFI, PLR/PCN. Turf rwy clsd exc with prior permission and agreement plan with arpt mgr. Tall vehicles on road south of thld Rwy 01. Ltd parking and deicing dur winter ops, all wide body acft 24 hr prior ntc ctc ops 604-864-5544. Transit parking rstd to Apron 1. All other parking PPR ctc ops. Apron 1 north of Twy B, including Twy A, ltd to acft with wingspans of 118' or less. PPR for larger acft. Twy D unctl east of blast fence. Turns from Twy A onto Twy C rstd to C-130 smaller (blast issue). Rwy 01-19 and Twy B not avbl for acft taxiing when RVR below 2600'. Night ops must use PAPI.

COMMUNICATIONS: ATIS 119.8 (1500-0700Z†) 877-517-2847

ABBOTSFORD RADIO (CYXX) on arpt 122.5

VICTORIA TERMINAL APP/DEP CON 132.7

TOWER 119.4 (inner) 121.0 (outer) (1500-0700Z†) Mandatory freq 119.4 (0700-1500Z† below 4500' MSL)

GND CON 121.8 (1500-0700Z†)

RADIO AIDS TO NAVIGATION: NOTAM FILE BLI.

WHATCOM (H) VORTACW 113.0 HUH Chan 77 N48°56.72' W122°34.76' 041° 9.9 NM to fld. 83/20E. **HIWAS.**

TACAN AZM unusable:

155°-165° byd 15 NM blo 6,000'

NDB (HW) 344 XX N49°00.93 W122°29.27 068° 4.3 NM to fld. /19E.

WHITEROCK NDB (MHW) 332 WC N49°00.20 W122°45.02 067° 14.7 NM to fld. /19E.

CULTUS NDB (HW) 214 LU N49°01.27 W122°02.98 252° 12.3 NM to fld.

ILS 109.7 I-IXX Rwy 07

COMM/NAV/WEATHER REMARKS: Local call to ABBOTSFORD FSS dial 604-852-2781.

AJ EISENBERG (See OAK HARBOR on page 192)

AMERICAN LAKE SPB (See TACOMA on page 214)

ANACORTES**ANACORTES** (74S) 2 W UTC-8(-7DT) N48°29.91' W122°39.75'

241 B LRA NOTAM FILE SEA

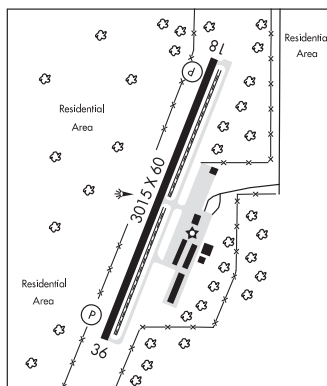
RWY 18-36: H3015X60 (ASPH-GRVD) S-12.5 MIRL 0.3% up S**RWY 18:** REIL. PAPI(P4R)—GA 3.0° TCH 40'. Trees. Rgt tfc.**RWY 36:** REIL. PAPI(P4L)—GA 3.0° TCH 40'. Trees.**SERVICE:** S4 **FUEL** 100, JET A **LGT** ACTIVATE MIRL and REIL Rwy 18 and Rwy 36—CTAF.**AIRPORT REMARKS:** Unattended. Mil arr corridor north and west of arpt. No touch and go lds. NS ABTMT procedures in effect, ctc arpt mgr 360-293-3134. Rwy 36 preferred calm wind rwy.**AIRPORT MANAGER:** 360-293-3134**COMMUNICATIONS:** CTAF 128.25**RADIO AIDS TO NAVIGATION:** NOTAM FILE BLI.**WHATCOM (H) VORTACW** 113.0 HUH Chan 77 N48°56.72' W122°34.76' 167° 27.0 NM to fld. 83/20E. **HIWAS.**

TACAN AZIMUTH unusable:

155°-165° byd 15 NM blo 6,000'

SEATTLE

L-1E

**SKYLINE SPB** (21H) 3 W UTC-8(-7DT) N48°28.99' W122°41.08'

00 LRA NOTAM FILE SEA

WATERWAY NW-SE: 5000X2500 (WATER)**WATERWAY NW:** Hill.**WATERWAY SE:** Hill.**SEAPLANE REMARKS:** Attended Jun-Sep 1600-0100Z†. Unattended Oct-May. Land to southeast. Mil arrival corridor north and west of arpt. Coord with mgr prior to arr.**AIRPORT MANAGER:** (206) 293-5134**COMMUNICATIONS:** CTAF 128.25

SEATTLE

ANATONE**ROGERSBURG** (D69) 8 SE UTC-8(-7DT) N46°04.47' W116°57.97'

869 NOTAM FILE SEA

RWY 09-27: 1471X50 (TURF)**AIRPORT REMARKS:** Unattended. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Arpt clsd 15 Nov-1 Mar exc emerg public safety/law enforcement helicopter ops. No mil ops during clsd periods exc emerg. Report all lds during clsd periods immediately. Be alert for horses, deer, and elk on rwy. Pedestrians, vehicles, or animals on or invof rwy. No camping, fires, or parking for more than five acft at any time. Park acft within arpt limits only. Spill kit avbl. Rwy marked with reflectors during dates arpt is open.**AIRPORT MANAGER:** (360) 618-2477**COMMUNICATIONS:** CTAF 122.9

SEATTLE

ANDERSON FLD (See BREWSTER on page 170)**APEX AIRPARK** (See SILVERDALE on page 209)

ARLINGTON MUNI (AWO)(KAWO) 3 SW UTC-8(-7DT) N48°09.65' W122°09.54'

142 B TPA—See Remarks NOTAM FILE AWO

RWY 16-34: H5332X100 (ASPH) S-114, D-150, 2S-175, 2D-270

MIRL

RWY 16: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Tree. Rgt tfc.

RWY 34: MALS. PAPI(P2L)—GA 3.0° TCH 46'.

RWY 11-29: H3498X75 (ASPH) S-32, D-34, 2D-59

RWY 11: REIL. PAPI(P2L)—GA 3.5° TCH 42'. Rgt tfc.

RWY 29: REIL. PAPI(P2L)—GA 4.0° TCH 40'. Tree.

SERVICE: S4 **FUEL** 100LL, JET A, MOGAS **LGT** PAPI Rwy 11 and Rwy 16 and Rwy 29 and Rwy 34 opr 24 hrs. REIL Rwy 11 and Rwy 16 and Rwy 29 opr dusk to dawn. **ACTIVATE** MALS Rwy 34—122.7.

AIRPORT REMARKS: Attended 1600-0000Z. Fuel, phone 360-435-5700 for after hrs svc. 100LL fuel avbl 24 hr credit card svc. Alternate phone number for arpt: 360-403-3470. Wildlife on and in/ov arpt. Rwy 34 calm wind rwy. Glider ops at arpt daily. Ultralight ops daily at NW corner of arpt. Occasional hot air balloon activity. TPA—1200(1058). TPA for ultralights 684(542), helicopters 784(642).

AIRPORT MANAGER: 360-403-3474

WEATHER DATA SOURCES: AWOS-3 135.625 (360) 435-8045.

COMMUNICATIONS: CTAF/UNICOM 122.7

® **SEATTLE APP/DEP CON** 128.5

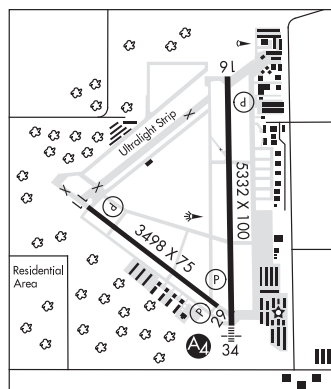
GCO 121.72 FOR SEA APCH

RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAE Chan 43 N47°55.19' W122°16.67' 358° 15.2 NM to fld. 679/20E.

WATON NDB (LOM) 382 AW N48°04.57' W122°09.23' 341° 5.1 NM to fld.

LOC 111.5 I-AWO Rwy 34. **LOM WATON NDB.** LOC unmonitored cont.



SEATTLE

H-1B, L-1E

IAP

AUBURN MUNI (S50) 2 N UTC-8(-7DT) N47°19.66' W122°13.60'

63 B TPA—1063(1000) NOTAM FILE SEA

RWY 16-34: H3400X75 (ASPH) S-12.5 HIRL

RWY 16: REIL. VASI(V4R)—GA 4.5° TCH 60'. Bldg. Rgt tfc.

RWY 34: REIL. VASI(V4L)—GA 4.0° TCH 53'. Parking lot.

SERVICE: S4 **FUEL** 100LL **OX** 2, 4 **LGT** **ACTIVATE** HIRL Rwy 16-34 and REIL Rwy 16 and Rwy 34—CTAF. VASI Rwy 16 and Rwy 34 opr continuously.

AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z. Fuel 24 hrs credit card self svc. Rwy 16 east-west high voltage transmission line, 80' AGL lctd 1804' north of Rwy 16 thld at 20:1. Ultralights prohibited. Plan apchs and departures to avoid extremely noise sensitive residential area east of the arpt.

AIRPORT MANAGER: 253-333-6821

COMMUNICATIONS: CTAF/AUNICOM 122.8

® **SEATTLE APP/DEP CON** 123.85

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

SEATTLE (H) VORTACW 116.8 SEA Chan 115 N47°26.12'

W122°18.58' 133° 7.3 NM to fld. 354/19E.

VOR portion unusable:

008°-023° byd 20 NM blo 3,500'

008°-023° byd 30 NM blo 4,100'

233°-273° byd 20 NM blo 8,000'

233°-273° byd 30 NM blo 10,000'

233°-273° byd 35 NM blo 11,000'

233°-273° byd 8 NM blo 5,500'

303°-333° byd 20 NM blo 2,900'

303°-333° byd 30 NM blo 4,000'

333°-353° byd 15 NM blo 3,500'

353°-008° byd 20 NM blo 2,900'

TACAN antenna offset 150' on 300 radial.

TACAN AZIMUTH & DME unusable:

008°-028° byd 20 NM blo 4,500'

008°-028° byd 30 NM blo 7,000'

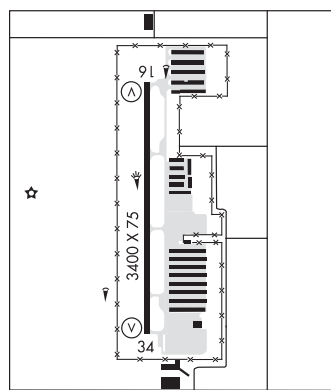
203°-253° byd 27 NM

303°-008° byd 30 NM blo 3,500'

TACAN AZIMUTH unusable:

008°-163°

173°-293°



SEATTLE

L-1D

IAP

AUGSPURGER MOUNTAIN N45°44.06' W121°40.79'
RCO 122.3 (MC MINNVILLE RADIO)

SEATTLE
L-1C

AULT FLD (See WHIDBEY ISLAND NAS (AULT FLD) on page 220)

AVEY FLD (See LAURIER on page 187)

BADGER MOUNTAIN N47°35.29' W120°08.60'
RCO 122.3 (SEATTLE RADIO)

SEATTLE
L-1D, 9A

BANDERA STATE (4WØ) 0 W UTC-8(-7DT) N47°23.72' W121°32.19'

SEATTLE

1636 NOTAM FILE SEA

RWY 08-26: 2344X100 (TURF)

RWY 08: Trees.

RWY 26: Trees.

AIRPORT REMARKS: Unattended. Arpt CLOSED 1 Oct-1 June exc for apvd mil and public safety/law enforcement helicopter ops.

Rwy 08-26 west end extremely rough, rwy soft when wet. Vehicles, pedestrians and animals on and invof rwy. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Rwy marked with reflectors dur dates arpt is open.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: CTAF 122.9

BATTLE GROUND

CEDARS NORTH AIRPARK (W58) 1 NW UTC-8(-7DT) N45°45.87' W122°30.91'

SEATTLE

275 NOTAM FILE SEA

RWY 08-26: 1960X50 (TURF)

RWY 08: Road.

RWY 26: Road.

AIRPORT REMARKS: Unattended. Birds on and invof arpt. Rwy edges marked with white cones.

AIRPORT MANAGER: 360-687-1208

COMMUNICATIONS: CTAF 122.9

GOHEEN (W52) 3 NW UTC-8(-7DT) N45°49.61' W122°34.61'

SEATTLE

292 NOTAM FILE SEA

RWY 15-33: 2565X50 (TURF) LIRL

RWY 15: VASI(NSTD). Trees.

RWY 33: P-line.

RWY 07-25: 1500X48 (TURF)

RWY 07: Bldg.

RWY 25: Tree.

SERVICE: S4 LGT Rwy 15 NSTD VASI, NSTD single lgt VASI both sides of rwy. ACTIVATE LIRL Rwy 15-33—CTAF.

AIRPORT REMARKS: Attended continuously. Rwy 07-25 for emerg only. Rwy 15-33 width of 43' over culvert in center of fld. Rwy 15-33 sfc uneven with an incline.

AIRPORT MANAGER: 360-687-3038

COMMUNICATIONS: CTAF 122.9

BATTLE GROUND N45°44.87' W122°35.49' NOTAM FILE PDX.

SEATTLE

(H) VORTACW 116.6 BTG Chan 113 179° 8.1 NM to Pearson Fld. 253/21E.

H-1B, L-1C

TACAN AZIMUTH & DME unusable:

035°-085° byd 35 NM blo 10,000'

BELLINGHAM**BELLINGHAM INTL** (BLI)(KBLI) 3 NW UTC-8(-7DT) N48°47.56' W122°32.25'

170 B TPA—See Remarks AOE ARFF Index—See Remarks NOTAM FILE BLI

RWY 16-34: H6701X150 (ASPH-GRVD) S-75, D-160, 2S-175,
2D-250 HIRL**RWY 16:** MALSR. PAPI(P4L)—GA 3.0° TCH 50'. RVR-T Rgt tfc.**RWY 34:** REIL. PAPI(P4L)—GA 3.0° TCH 50'. Tree.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 16:** TORA-6701 TODA-6701 ASDA-6701 LDA-6701**RWY 34:** TORA-6701 TODA-6701 ASDA-6701 LDA-6701**SERVICE:** S7 FUEL 100LL, JET A OX 3, 4 LGT When twr clsd
ACTIVATE HIRL Rwy 16-34, MALSR Rwy 16 and REIL Rwy
34—CTAF.**AIRPORT REMARKS:** Attended continuously. Birds and coyotes on and invof
arpt movement areas. PPR for unscheduled air carrier ops with more
than 30 pax seats call arpt mgr 360-671-5674. ARFF Index B (24 hrs
a day). Twr svc not avbl at Twy A invof Twy G, the south hold area and
the runup area due to obstructed vision. Air carrier ops use Twy A, Twy
B, Twy E, Twy G, Twy H and Twy D east of Twy A to Twy E, Twy F west
of Twy A. Coml ramp clsd to pvt acft. NS ABTMT procedures in effect
ctc arpt mgr at 360-671-5674. TPA-1200 (1030) fixed wing,
700(530) helicopter, 2000(1830) turbo. Ldg fee. Flight Notification
Service (ADCUS) avbl.**AIRPORT MANAGER:** 360-671-5674**WEATHER DATA SOURCES:** ASOS (360) 671-8688**COMMUNICATIONS:** CTAF 124.9 ATIS 134.45 360-647-5939 UNICOM 122.95

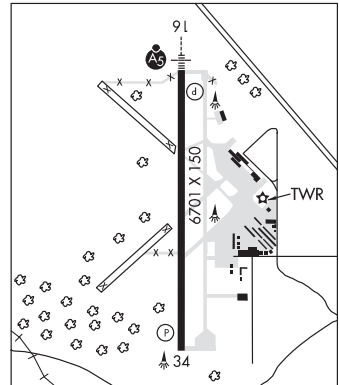
RCO 122.15 (SEATTLE RADIO)

® VICTORIA TERMINAL APP/DEP CON 132.7

TOWER 124.9 (1500-0630Z) GND CON 127.4**AIRSPACE:** CLASS D svc 1500-0630Z other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE BLI.**WHATCOM (H) VORTACW** 113.0 HUH Chan 77 N48°56.72' W122°34.76' 150° 9.3 NM to fld. 83/20E. HIWAS.

TACAN AZIMUTH unusable:

155°-165° byd 15 NM blo 6,000'

ILS/DME 108.5 I-BLI Chan 22 Rwy 16. Class IA.**FLOATHAVEN SPB** (ØW7) 6 SE UTC-8(-7DT) N48°44.14' W122°20.40'

SEATTLE

307 NOTAM FILE SEA

WATERWAY 12-30: 10000X4000 (WATER)**SERVICE:** S4**SEAPLANE REMARKS:** Attended dalgt hrs. Canoe, sailboat, and hang glider activity invof arpt. For airframe repairs call
206-909-7299 prior to arrival to arrange svcs. Land and tkf in the center of the lake. Avoid flying over noise sensitive
area during tkf and ldg.**AIRPORT MANAGER:** 206-909-7299**COMMUNICATIONS:** CTAF 122.9**BOEING FLD/KING CO INTL** (See SEATTLE on page 205)**BOWERMAN** (See HOQUIAM on page 184)**BOWERS FLD** (See ELLENSBURG on page 178)

BREMERTON NATIONAL (PWT)(KPWT) 7 SW UTC-8(-7DT) N47°29.42' W122°45.89'

444 B TPA—1444(1000) NOTAM FILE PWT

RWY 02-20: H6000X150 (ASPH-GRVD) S-66, D-150, 2D-336 HIRL

RWY 02: PAPI(P4L)—GA 3.0° TCH 43'. Rgt tfc.

RWY 20: MALSR. REIL. PAPI(P4L)—GA 2.83° TCH 50'. Fence.

SERVICE: S4 **FUEL** 100LL, JET A **LGT** ACTIVATE REIL Rwy 20, MALSR Rwy 20 and PAPI Rwy 02 and Rwy 20—CTAF.

AIRPORT REMARKS: Attended 1500-0130Z†. 24 hr fuel terminal located 300' west southwest of Twy E. Wildlife fence crosses north end of abandoned rwy. Rwy 20 designated calm wind rwy.

AIRPORT MANAGER: (360) 813-0817

WEATHER DATA SOURCES: AWOS-3 121.2 (360) 674-2811.

COMMUNICATIONS: CTAF/UNICOM 123.05

® SEATTLE APP/DEP CON 127.1

AIRSPACE: CLASS E svc continuous.

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.

OLYMPIA (H) VORTACW 113.4 OLM Chan 81 N46°58.30' W122°54.11' 351° 31.6 NM to fld. 200/19E. **HIWAS.**

TACAN AZIMUTH & DME unusable:

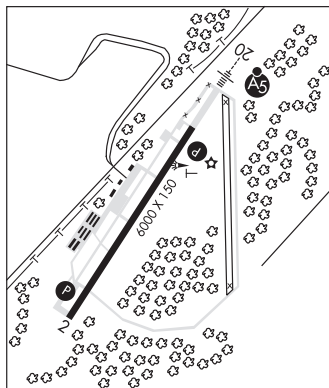
223°-258° byd 20 NM blo 4,100'

258°-283° byd 30 NM blo 4,100'

358°-043° byd 10 NM blo 6,000'

358°-043° byd 20 NM blo 7,000'

ILS 111.1 I-PWT Rwy 20. Class IA. Unmonitored.



SEATTLE
H-1B, L-1D
IAP

BREWSTER

ANDERSON FLD (S97) 3 E UTC-8(-7DT) N48°06.29' W119°43.24'

918 B NOTAM FILE SEA

RWY 07-25: H4000X60 (ASPH) S-15 MIRL

RWY 07: Trees.

RWY 25: PAPI(P2L)—GA 3.0°.

SERVICE: **LGT** PAPI(P2L) Rwy 25 OTS indef. ACTIVATE MIRL Rwy 07-25—CTAF.

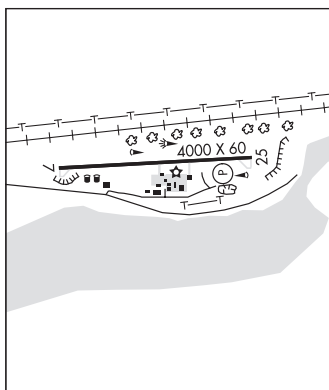
AIRPORT REMARKS: Unattended. Wind indicator lit in non-daylight hrs. Twy lgts on center twy only. Pilots provide tie down ropes.

AIRPORT MANAGER: (509) 689-3464

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65' W119°19.01' 325° 56.1 NM to fld. 1193/18E.



SEATTLE
L-13A

BUCKHORN MTN N46°32.49' W123°01.28'

RCO 122.2 (SEATTLE RADIO)

SEATTLE
L-1C

BURLINGTON/MOUNT VERNON**SKAGIT RGNL** (BVS)(KBVS) 3 W UTC-8(-7DT) N48°28.23' W122°25.30'

SEATTLE

145 B TPA—See Remarks NOTAM FILE BVS

H-1B, L-1E

RWY 11-29: H5478X100 (ASPH) S-19 MIRL 0.8% up W

IAP

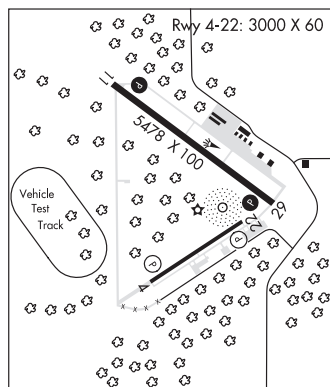
RWY 11: REIL. PAPI(P4L)—GA 3.0° TCH 43'.**RWY 29:** REIL. PAPI(P4L)—GA 3.0° TCH 42'.**RWY 04-22:** H3000X60 (ASPH) S-12.5 LIRL 0.3% up NE**RWY 04:** PAPI(P2L)—GA 4.0° TCH 43'.**RWY 22:** PAPI(P2L)—GA 3.0° TCH 44'.**SERVICE:** S4 **FUEL** 100LL, JET A **OX** 3, 4 **LGT** ACTIVATE MIRL Rwy 11-29 and LIRL Rwy 04-22, PAPI Rwy 11 and Rwy 29 and REIL Rwy 11 and Rwy 29—CTAF. PAPI Rwy 04 and Rwy 22 opr continuously.**AIRPORT REMARKS:** Attended 1500-0300Z. Terminal building open 1400-0600Z. Migratory waterfowl and birds on and in/ov arpt. Helicopter training ops on arpt with autorotations on rwy. Possible turbulence in/ov exhaust stacks 3,500' southwest of Rwy 04, avoid low alt over flt. Use of Twy B by acft with wingspan 49' or greater prohibited when Rwy 04-22 in use. TPA-1145(1000) Ultralight TPA-645(500).**AIRPORT MANAGER:** 360-757-0011**WEATHER DATA SOURCES:** AWOS-3 121.125 (360) 757-7767.**COMMUNICATIONS:** CTAF/UNICOM 123.075

® WHIDBEY APP/DEP CON 120.7

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.**TATOOH (H) VORTACW** 112.2 TOU Chan 59 N48°17.99' W124°37.62' 061° 88.8 NM to fld. 1650/22E.
HIWAS.**SKAGIT/BAY VIEW NDB (MHW)** 240 BVS N48°28.12' W122°25.10' at fld. NOTAM FILE BVS.

NDB unusable:

350°-030° byd 20 NM

**CAMANO ISLAND AIRFIELD** (See STANWOOD on page 212)**CAMAS****GROVE FLD** (1W1) 3 N UTC-8(-7DT) N45°37.67' W122°24.26'

SEATTLE

429 B NOTAM FILE SEA

RWY 07-25: H2710X40 (ASPH) MIRL(NSTD)**RWY 07:** PAPI(P2L)—GA 5.0°. Thld displcd 493'. Trees.**RWY 25:** PAPI(P2L)—GA 5.0°. Thld displcd 413'. Trees.**SERVICE:** S4 **FUEL** 100 **LGT** Rwy 07-25 NSTD MIRL Rwy 07 and Rwy 25 displcd thlds unlighted. ACTIVATE rotating bcn and MIRL Rwy 07-25—CTAF.**AIRPORT REMARKS:** Unattended. For fuel after hrs credit card lock. Noise abatement procedures in effect, ctc Port of Camas-Washougal at 360-835-2196. Rwy 07-25 has buildings, telephone poles and trees encroaching in safety areas. Rwy 07 and Rwy 25 have 4 thld stripes falsely indicating 60' width.**AIRPORT MANAGER:** 360-835-2196**COMMUNICATIONS:** CTAF 122.9**PORTLAND CLNC DEL** 121.65**CANYON** N47°40.62' W117°27.01' NOTAM FILE GEG.

SEATTLE

NDB (MHW) 388 CRK 205° 4.9 NM to Spokane Intl.**CASHMERE-DRYDEN** (8S2) 2 SW UTC-8(-7DT) N47°30.88' W120°29.08'

SEATTLE

858 B NOTAM FILE SEA

RWY 07-25: H1800X50 (ASPH) S-8 MIRL 1.4% up W**RWY 07:** Trees.**RWY 25:** PAPI(P2L)—GA 3.0°. Thld displcd 182'. Trees.**SERVICE:** **LGT** ACTIVATE MIRL Rwy 07-25—121.7. PAPI Rwy 25 on continuously.**AIRPORT REMARKS:** Unattended. Ground vehicles and pedestrians use twy for hangar access. Exit rwy at twys only. Radio control model activity permitted on W end of arpt.**AIRPORT MANAGER:** (509) 782-3321**COMMUNICATIONS:** CTAF 122.9**CEDARS NORTH AIRPARK** (See BATTLE GROUND on page 168)

CHEHALIS-CENTRALIA (CLS)(KCLS) 1 W UTC-8(-7DT) N46°40.62' W122°58.97'

177 B NOTAM FILE SEA

RWY 16-34: H5000X140 (CONC) S-30, D-30, 2D-85 MIRL**RWY 16:** REIL. PAPI(P4L)—GA 3.0° TCH 35'. Trees. Rgt tfc.**RWY 34:** REIL. VASI(V2L)—GA 3.5° TCH 41'. Trees.**SERVICE:** S4 FUEL 100LL, JET A QX 4 LGT ACTIVATE MIRL Rwy 16-34 and REIL Rwy 16 and Rwy 34—CTAF.**AIRPORT REMARKS:** Attended Mon-Fri 1500-0100Z†. Fuel avbl 24 hrs by credit card only. No debit cards. Possible wildlife on rws. Weekend glider activity in spring, summer and early fall.**AIRPORT MANAGER:** 360-748-1230**WEATHER DATA SOURCES:** AWOS-3 118.025 (360) 740-5164.**COMMUNICATIONS:** CTAF/UNICOM 122.8

Ⓡ SEATTLE APP CON 121.1

SEATTLE CENTER DEP CON 124.2

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.**OLYMPIA (H) VORTACW** 113.4 OLM Chan 81 N46°58.30'

W122°54.11' 172° 18.0 NM to fld. 200/19E. HIWAS.

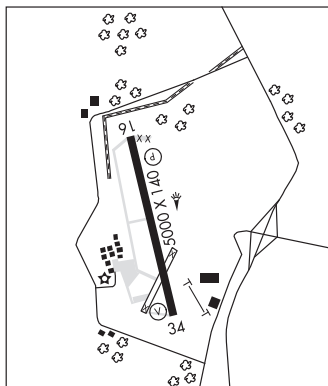
TACAN AZIMUTH & DME unusable:

223°-258° byd 20 NM blo 4,100'

258°-283° byd 30 NM blo 4,100'

358°-043° byd 10 NM blo 6,000'

358°-043° byd 20 NM blo 7,000'

SEATTLE
H-1B, L-1C
IAP**CHELAN****LAKE CHELAN** (S10) 3 NE UTC-8(-7DT) N47°51.96' W119°56.56'

1263 B NOTAM FILE SEA

RWY 02-20: H3503X60 (ASPH) S-12 MIRL 0.3% up N**RWY 02:** Thld dsplcd 447'. Road. Rgt tfc.**RWY 20:** PAPI(P2L). Thld dsplcd 197'. Trees.**SERVICE:** S2 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 02-20 CTAF.**AIRPORT REMARKS:** Attended continuously. Self-svc fuel avbl 24 hrs. Rwy 20 is preferred apch rwy.**AIRPORT MANAGER:** 509-682-5976**COMMUNICATIONS:** CTAF 122.9 AUNICOM 122.95**RADIO AIDS TO NAVIGATION:** NOTAM FILE EPH.**EPHRATA (H) VORTACW** 112.6 EPH Chan 73 N47°22.68' W119°25.44' 303° 36.1 NM to fld. 1250/21E.**VOR unusable:**

310°-350° byd 25 NM blo 6,500'

TACAN AZIMUTH & DME portion unusable:

280°-295° byd 25 NM blo 7,000'

310°-350° byd 25 NM blo 6,500'

SEATTLE
L-13A**CHEWELAH****SAND CANYON** (1S9) 2 N UTC-8(-7DT) N48°18.84' W117°44.60'

2084 B NOTAM FILE SEA

RWY 17-35: H3446X48 (ASPH) MIRL**RWY 17:** PAPI(P2R)—GA 4.0° TCH 63'. Thld dsplcd 230'. Tree. Rgt tfc.**RWY 35:** PAPI(P2L)—GA 3.0°. Thld dsplcd 101'.**SERVICE:** LGT PAPI Rwy 17 and Rwy 35 opr continuously. ACTIVATE MIRL Rwy 17-35—CTAF.**AIRPORT REMARKS:** Unattended. Deer and wildlife on and invov arpt.**AIRPORT MANAGER:** 509-936-2239**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE GEG.**SPOKANE (H) VORTACW** 115.5 GEG Chan 102 N47°33.90'

W117°37.61' 333° 45.2 NM to fld. 2756/21E. HIWAS.

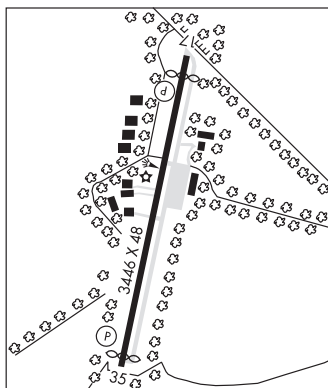
VOR portion unusable:

300°-330° byd 30 NM blo 9,000'

335°-360° byd 18 NM blo 7,000'

335°-360° byd 25 NM

360°-015° byd 26 NM blo 7,000'

SEATTLE
L-13B

CLAYTON**CROSS WINDS** (C72) 2 SE UTC-8(-7DT) N47°58.99' W117°32.56'

SEATTLE

2150 TPA—See Remarks NOTAM FILE SEA

RWY 13L-31R: 3800X125 (TURF)**RWY 13L:** P-line.**RWY 31R:** Thld dsplcd 170'. Road. Rgt tfc.**RWY 13R-31L:** 2065X50 (TURF)**RWY 13R:** Fence. Rgt tfc.**RWY 31L:** Road.

AIRPORT REMARKS: Unattended. Arpt CLOSED winters, open only to ski equipped acft. Use care during high wind due to turbulence and crosswind. Mole holes on rwys. Rwy 13L-31R and Rwy 13R-31L not useable during heavy snow and spring mud. Radio controlled model acft on and invof arpt. Rwy 13L-31R and Rwy 13R-31L rough with tall grass. Rwy 13R-31L grass is over 3' tall full length of rwy. Rwy 13L-31R edges marked with red tfc cones, Rwy 13R-31L ultralight rwy. Ultralight tfc on arpt. TPA—3150 (1000), Ultralight—2650 (500).

AIRPORT MANAGER: 509-276-2552**COMMUNICATIONS:** CTAF 122.9**CLE ELUM****CLE ELUM MUNI** (S93) 1 E UTC-8(-7DT) N47°11.66' W120°53.01'

SEATTLE

1944 B TPA—2944(1000) NOTAM FILE SEA

RWY 07-25: H2552X60 (ASPH) MIRL**RWY 07:** REIL. PAPI(P2L)—GA 4.0° TCH 20'. Rgt tfc.**RWY 25:** REIL. PAPI(P2L)—GA 4.0° TCH 20'.

SERVICE: LGT PAPI Rwy 07 and Rwy 25 opr continuously. ACTIVATE rotating bcn, MIRL Rwy 07-25 and REIL Rwy 07 and Rwy 25—CTAF.

AIRPORT REMARKS: Unattended. Wildlife on and invof rwy. Gliders use CTAF freq 122.3.**AIRPORT MANAGER:** 509-674-2262**COMMUNICATIONS:** CTAF 122.9**DE VERE FLD** (2W1) 3 E UTC-8(-7DT) N47°10.65' W120°51.16'

SEATTLE

1800 NOTAM FILE SEA

RWY 08-26: H2055X30 (ASPH) LIRL(NSTD)**RWY 08:** Trees. Rgt tfc.**RWY 26:** Trees.**SERVICE:** LGT For LIRL Rwy 08-26 call 509-304-6231. Rwy 08-26 NSTD LIRL—thld lgts 360° green.

AIRPORT REMARKS: Attended dalgt hrs. Fld occasionally CLOSED in winter. Wildlife on and invof rwy. Rwy 08-26 has 2" dropoff along entire rwy both sides.

AIRPORT MANAGER: 509-304-6231**COMMUNICATIONS:** CTAF 122.9**COLFAX****LOWER GRANITE STATE** (ØØW) 12 S UTC-8(-7DT) N46°40.37' W117°26.50'

SEATTLE

719 NOTAM FILE SEA

RWY 14-32: 3400X50 (GRVL) 0.9% up SE**RWY 14:** Trees.**RWY 32:** Hill.

AIRPORT REMARKS: Unattended. Do not land if snow present on rwy. No winter snow removal ops. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Pedestrians, vehicles and animals on and invof rwy. P-lines west and north, portions of rwy sfc rough and soft. Rwy marked with reflectors dur dates arpt is open.

AIRPORT MANAGER: (360) 618-2477**COMMUNICATIONS:** CTAF 122.9

SEATTLE

L-13B

RWY 26: Thld dsplcd 450'. Hill.

RWY 26: TOBA-3209 TODA-3209 ASDA-3209 LDA-2890

AIRPORT REMARKS: Attended May–Sept dawn–dusk, Oct–Apr, Mon–Fri dawn–dusk. 100LL fuel avbl for emerg, call 509–397–3791. Deer invof rwy. Watch for birds invof creek south of arpt. Rwy 08–26 farm machinery may be opr in flds on both sides of rwy and off both rwy ends. 30' bldg 250' south AER 26.

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE PUW.

PULLMAN (L) VOR/DME 109.0 PUW Chan 27 N46°40.45' W117°13.41' 305° 13.6 NM to fld. 2772/20E.
HIWAS, DME unmonitored.

SEATTLE

L-13A

RWY 05: VASI(V21).

RWY 23: VASI(V2R). Road.

SERVICE: S2 **FUEL** 100LL, MOGAS **LGT** Rwy 05-23 NSTD LIRL southwest 1240' medium ints. Arpt lgtg opr from dusk until 1000Z±. **ACTIVATE** NSTD LIRL Rwy 05-23 and VASI Rwy 05 and Rwy 23—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z+. Attended evenings and Sat-Sun as rqrd, on call 509-522-1847. 24 hr self svc credit card fueling facility. Overnight parking fee of \$3.00. Pvt road crosses 700' from southwest end of rwy. Ldg fee.

AIRPORT MANAGER: 509-522-1847

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION- NOTAM FILE F ALW

WALLA WALLA (I) VORW/DMF 116.4 AlW Chan 111 N46°05'22' W118°17'55' 225° 5.7 NM to fld 1179/20E

VOR/DME unusable.

010°-065° byd 31 NM blo 12.500'

065°–095° byd 20 NM blo 14,500'

095°–140° byd 20 NM blo 13,500'

DME portion unusable:

140°–145° byd 20 NM blo 11,500'

SEATTLE

RWY 01-19: H2695X40 (ASPH) S-11 MIRL

RWY 01: PAPI(P2L)—GA 4.0°.

RWY 19: Thld dspld 255'. Fence.

SERVICE: S4 FUEL 100LL LGT ACTIVATE MIRL Rwy 01-19-CTAF.

AIRPORT REMARKS: Attended Mon–Fri 1600–0100Z. Watch for deer on and in/ov arpt. When ldg Rwy 19, bright lgts around high school stadium, aprx 3/4 miles south of arpt. Ocnl vehicular t/c across end of Rwy 01–19 and twy. Grass ldg area avbl across Rwy 01–19 1500'X150'. Hazards are 50' obst on both ends, trees/poles. Car avbl.

AIRPORT MANAGER: 509-685-9056

COMMUNICATIONS: CTAF/UNICOM 122.8

SEATTLE

RWY 07-25: H2609X60 (ASPH) S-12

RWY 07: Trees. Rgt tfc.

RWY 25: Trees.

SERVICE: FUEL 10011

AIRPORT REMARKS: Unattended. Elk and deer freq both rwy ends and mid-fld. All patterns south of arpt.

AIRPORT MANAGER: 360-853-7114

COMMUNICATIONS: CTAF 122.9

• • • • •

HELIPAD H1: H40X40 (CONC)

HELIPORT REMARKS: Helipad for emerg use only.

COPALIS STATE (S16) 2 NW UTC-8(-7DT) N47°08.68' W124°11.34'

SEATTLE

1 NOTAM FILE SEA

RWY 14-32: 3560X150 (SAND)

RWY 14: Rgt ttc.

AIRPORT REMARKS: Unattended. Arpt CLOSED to vehicles Apr 15 thru the day after Labor Day. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Vehicles, pedestrians and animals on and invof rwy. River course change may alter rwy length. Stream crossing 1500' south of Rwy 14 end.

AIRPORT MANAGER: (360) 618-2477**COMMUNICATIONS:** CTAF 122.9

CREST AIRPARK (See KENT on page 186)

CROSS WINDS (See CLAYTON on page 173)

DARRINGTON MUNI (1S2) 0 N UTC-8(-7DT) N48°15.52' W121°36.61'

SEATTLE

553 B NOTAM FILE SEA

RWY 10-28: H2491X40 (ASPH) MIRL

RWY 10: Fence.

RWY 28: Road.

SERVICE: LGT MIRL Rwy 10-28 OTS indef. ACTIVATE MIRL Rwy 10-28-CTAF.

AIRPORT REMARKS: Unattended. CLOSED when snow on rwy. Rwy 28 has no markings. Rwy 10 has small numbers only. Turbulence on hot days ldg west btn rows of trees. Twys marked with blue reflectors.

AIRPORT MANAGER: 360-436-1454**COMMUNICATIONS:** CTAF 122.9

DAVENPORT (68S) 1 W UTC-8(-7DT) N47°39.21' W118°10.13'

SEATTLE

2421 B NOTAM FILE SEA

RWY 05-23: H2747X50 (ASPH) MIRL

RWY 23: Trees. Rgt ttc.

RWY 03-21: 2271X45 (GRVL)

RWY 03: Trees.

RWY 21: Trees. Rgt ttc.

SERVICE: FUEL 100LL

AIRPORT REMARKS: Attended Mar-Jun dawn-dusk, Jul-Feb Mon-Fri on call. Fuel 24 hr credit card svc avbl. Rwy 03-21 very soft in spring. Rwy 03-21 not marked.

AIRPORT MANAGER: 509-725-4352**COMMUNICATIONS:** CTAF 122.9

DE VERE FLD (See CLE ELUM on page 173)

DEER PARK (DEW)(KDEW) 3 NE UTC-8(-7DT) N47°58.02' W117°25.72'

2211 B TPA—See Remarks NOTAM FILE DEW

RWY 16-34: H6100X75 (ASPH) S-30, D-50 MIRL 0.4% up NW

RWY 16: REIL. PAPI(P4L)—GA 3.5° TCH 38'. Trees.

RWY 34: REIL. PAPI(P4R)—GA 3.0° TCH 40'.

RWY 05-23: H3200X60 (ASPH) S-12.5 PCN 17 F/C/W/T

SERVICE: S4 **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 16-34 and REIL Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Attended Apr-Oct 1600-0100Z, Nov-Mar 1800-0000Z. Cold temperature restricted airport. Altitude correction required at or below -26C/-15F. 100LL and Jet A avbl 24 hrs credit card self svc facility. Call ahead for full svc, Jet A svc 509-276-3379. Rwy 05-23 heavy glider activity weekends. Model airplane activity on arpt. Farming opr active on land adjacent to rws. Coyotes on and invof rws. Monitor glider tfc on 123.3 abv 5000' MSL. Glider pattern TPA 3211(1000). 175' twr 2000' west of Rwy 16-34. NS ABTMT procedures in effect ctc arpt mgr 509-276-3379. Rwy 16 preferred calm wind rwy.

AIRPORT MANAGER: 509-276-3379

WEATHER DATA SOURCES: ASOS 135.175 (509) 276-2303.

COMMUNICATIONS: CTAF/UNICOM 123.0

® **SPOKANE APP/DEP CON** 123.75

AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

SPOKANE (H) VORTAC 115.5 GEG Chan 102 N47°33.90' W117°37.61' 357° 25.4 NM to fld. 2756/21E. HIWAS.

VOR portion unusable:

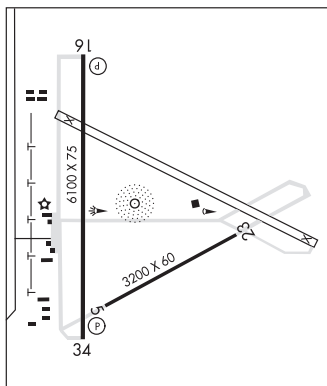
300°-330° byd 30 NM blo 9,000'

335°-360° byd 18 NM blo 7,000'

335°-360° byd 25 NM

360°-015° byd 26 NM blo 7,000'

NDB (MHW) 365 DPY N47°58.07' W117°25.58' at fld. NOTAM FILE DEW. NDB unmonitored.



DESERT AIRE (See MATTAWA on page 188)

DONNY N46°31.54' W120°22.33' NOTAM FILE YKM.

NDB (LOM) 371 YK 274° 7.6 NM to Yakima Air Terminal/Mcallister Fld.

DOROTHY SCOTT (See OROVILLE on page 195)

EASTON STATE (ESW)(KESW) 2 N UTC-8(-7DT) N47°15.25' W121°11.13'

2226 NOTAM FILE SEA

RWY 09-27: 2640X100 (TURF) LIRL

RWY 09: Trees.

RWY 27: Trees.

AIRPORT REMARKS: Unattended. Arpt CLOSED Oct 1 thru Jun 1 exc for approved military and public safety/law enforcement helicopter ops. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Wind cone mounted on 50' self supporting twr. Vehicles, pedestrians, or wildlife on and invof rwy. LIRL opr dusk to dawn during dates arpt is open.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: CTAF 122.9

EASTSOUND**ORCAS ISLAND** (ORS)(KORS) 1 N UTC-8(-7DT) N48°42.50' W122°54.64'**SEATTLE**

35 B TPA—1035(1000) NOTAM FILE ORS

L-1E**RWY 16-34:** H2901X60 (ASPH-AFSC) S-12.5 MIRL 0.8% up S**IAP****RWY 16:** REIL. VASI(V4L)—GA 3.6° TCH 37'. Road.**RWY 34:** REIL. PAPI(P2L)—GA 4.0° TCH 26'. Trees. Rgt tfc.**SERVICE:** S3 FUEL 100LL LGT ACTIVATE MIRL Rwy 16-34, VASI Rwy 16, REIL Rwy 16 and Rwy 34 and twy lgts—128.25.**AIRPORT REMARKS:** Attended 1600-0030Z†. Self svc 24 hr fuel avbl with credit card. Deer on and invof rwy. NS ABTMT procedures in effect, ctc arpt manager 360-376-5285. Nighttime circling apchs not permitted from west side of rwy. Additional tran turf tiedowns south of segmented circle. PAPI baffled west of centerline, lateral coverage has been narrowed to avoid obstacles, during decent close alignment to rwy centerline is necessary.**AIRPORT MANAGER:** 360-376-5285**WEATHER DATA SOURCES:** AWOS-3 135.425 (360) 376-6045.**COMMUNICATIONS:** CTAF 128.25**MT CONSTITUTION RCO** 122.3 (SEATTLE RADIO)**VICTORIA APP/DEP CON** 132.7 (ARR and DEP to the North)**WHIDBEY APP/DEP CON** 118.2 (ARR and DEP to the South)**RADIO AIDS TO NAVIGATION:** NOTAM FILE BLI.**WHATCOM (H) VORTACW** 113.0 HUH Chan 77 N48°56.72' W122°34.76' 203° 19.4 NM to fld. 83/20E.**HIWAS.****TACAN AZIMUTH** unusable:

155°-165° byd 15 NM blo 6,000'

COMM/NAV/WEATHER REMARKS: AWOS-3 wind sensor is sheltered by trees and rising terrain to east/southeast and may provide erroneous data with strong winds aloft from the northeast, east or southeast.

EATONVILLE**SWANSON** (2W3) 1 NE UTC-8(-7DT) N46°52.30' W122°15.43'**SEATTLE**

843 TPA—1643(800) NOTAM FILE SEA

RWY 16-34: H2990X36 (ASPH) MIRL**RWY 16:** Trees. Rgt tfc.**RWY 34:** Ground.**SERVICE:** LGT Arpt lgts opr dusk-0800Z†. After 0800Z†, ACTIVATE MIRL Rwy 16-34—CTAF.**AIRPORT REMARKS:** Attended 1600-0400Z†. Deer on and in vicinity of arpt. Bldgs are in close proximity to rwy. Gravel svc road around Rwy 16-34 not avbl for acft ops. Taxi on rwy. Rwy 16-34 trees in apch and transitional sfcs both sides of rwy.**AIRPORT MANAGER:** (253) 691-6654**COMMUNICATIONS:** CTAF 122.9

ED CARLSON MEM FLD — SOUTH LEWIS CO (See TOLEDO on page 215)**EDIZ HOOK** N48°08.39' W123°24.20' NOTAM FILE SEA.**SEATTLE****NDB (MHW)** 338 K at Port Angeles CGAS.**L-1E****NDB** unusable:

120°-190° byd 10 NM

190°-120° byd 15 NM

ELECTRIC CITY**GRAND COULEE DAM** (3W7) 2 SW UTC-8(-7DT) N47°55.32' W119°04.98'**SEATTLE****L-13A**

1588 B NOTAM FILE SEA

RWY 03-21: H4199X75 (ASPH) S-26 MIRL**RWY 03:** Hill.**RWY 21:** PAPI(P2L). Ground. Rgt tfc.**SERVICE:** LGT ACTIVATE MIRL Rwy 03-21—CTAF.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** 509-633-1319**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE EPH.**EPHRATA (H) VORTACW** 112.6 EPH Chan 73 N47°22.68'

W119°25.44' 002° 35.5 NM to fld. 1250/21E.

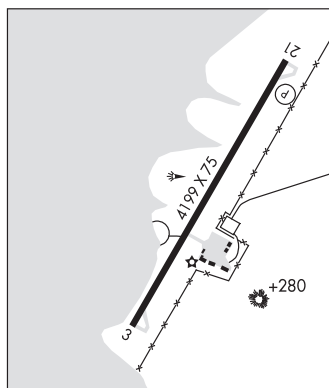
VOR unusable:

310°-350° byd 25 NM blo 6,500'

TACAN AZIMUTH & DME portion unusable:

280°-295° byd 25 NM blo 7,000'

310°-350° byd 25 NM blo 6,500'

**ELLENSBURG****BOWERS FLD** (ELN)(KELN) 2 N UTC-8(-7DT) N47°01.98' W120°31.84'**SEATTLE****H-1C, L-13A****IAP**

1764 B TPA—2598(834) NOTAM FILE ELN

RWY 07-25: H5590X150 (ASPH) S-12.5 0.8% up E**RWY 07:** P-line.**RWY 25:** PAPI(P4R).**RWY 11-29:** H4301X150 (CONC) S-35, D-57, 2D-100 MIRL

0.4% up NW

RWY 29: REIL. PAPI(P2R)—GA 3.0° TCH 40'.**SERVICE:** S4 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy

11-29—123.0.

AIRPORT REMARKS: Attended Mon-Sat 1500-0000Z±. Cold temperature restricted airport. Altitude correction required at or below -17C/1F. 100LL self service avbl, credit card. Rwy 07-25 CLOSED Dec 15-Feb 28, no maintenance avbl. Rwy 07-25 cracks in rwy sfc. Rwy 07-25 has weeds growing through cracks in pavement first 2000'.

AIRPORT MANAGER: 509-962-7523**WEATHER DATA SOURCES:** ASOS 118.375 (509) 925-2040. HIWAS 117.9 ELN.**COMMUNICATIONS:** CTAF/UNICOM 123.0**ELLENSBURG RCO** 122.2 (SEATTLE RADIO)**SEATTLE CENTER APP/DEP CON** 132.6**RADIO AIDS TO NAVIGATION:** NOTAM FILE ELN.**ELLENSBURG (H) VORTACW** 117.9 ELN Chan 126 N47°01.46'

W120°27.50' 259° 3.0 NM to fld. 1770/21E. HIWAS.

VORTAC unusable:

158°-163° byd 27 NM

163°-268° byd 33 NM

VOR portion unusable:

040°-080° byd 34 NM

300°-040° byd 25 NM

DME unusable:

055°-070° byd 21 NM

070°-090° byd 34 NM

090°-158° byd 34 NM

300°-055° byd 21 NM

350°-025° byd 15 NM

TACAN AZIMUTH unusable:

055°-070° byd 21 NM

070°-090° byd 34 NM

090°-158° byd 34 NM

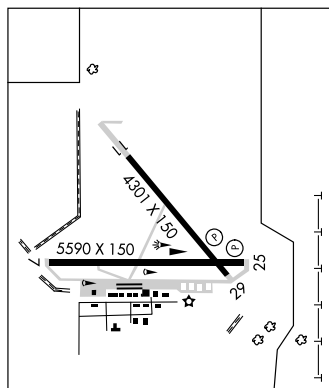
158°-163° byd 27 NM

163°-268° byd 33 NM

300°-055° byd 21 NM

350°-025° byd 15 NM

090°-158° byd 34 NM



ELMA MUNI (4W8) 1 SW UTC-8(-7DT) N46°59.43' W123°25.78'

SEATTLE

35 B TPA—835(800) NOTAM FILE SEA

RWY 07-25: H2280X30 (ASPH) MIRL(NSTD)

RWY 07: Trees. Rgt tfc.

RWY 25: Thld dsplcd 180'. Trees.

SERVICE: LGT ACTIVATE NSTD MIRL Rwy 07-25—CTAF.

AIRPORT REMARKS: Unattended. Rwy 25 dsplcd thld unlgtd, 2095' of Rwy 07-25 avbl for ngt ops. Rwy 07-25 rwy identification NSTD dimensions.

AIRPORT MANAGER: (360) 484-4031

COMMUNICATIONS: CTAF/UNICOM 122.8

ELWHA N48°09.01' W123°40.22' NOTAM FILE CLM.

SEATTLE

NDB (MHW/LOM) 515 CL 089° 7.1 NM to William R Fairchild Intl.

L-1E

NDB unusable:

100°-235° byd 12 NM

EPHRATA MUNI (EPH)(KEPH) 2 SE UTC-8(-7DT) N47°18.48' W119°31.01'

SEATTLE

1276 B TPA—See Remarks NOTAM FILE EPH

H-1C, L-13A

RWY 03-21: H5500X75 (ASPH) S-30, D-60, 2S-114 MIRL

IAP

RWY 03: REIL. PAPI(P4L)—GA 3.0° TCH 40'. Ground. Rgt tfc. 0.3% up.

RWY 21: REIL. PAPI(P4L)—GA 3.0° TCH 40'.

RWY 11-29: H3843X60 (ASPH) S-12 MIRL

RWY 11: REIL. Ground.

RWY 29: REIL. PAPI(P2L)—GA 3.0° TCH 40'.

RWY 04-22: H3467X150 (ASPH) S-12

RWY 22: Rgt tfc.

SERVICE: S2 FUEL 100LL LGT PAPI Rwy 29, Rwy 03 and Rwy 21 opr continuously. ACTIVATE MIRL Rwy 03-21 and MIRL Rwy 11-29 and REIL Rwy 03 and Rwy 11 and Rwy 21 and Rwy 29—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1530-0000Z. Fuel 24 hr credit card svc avbl. Rwy 04-22 for gliders only. Be alert aerobatic acft activity over center of arpt. Ultralight activity invof arpt. TPA for ultralight acft 1526(250). Heavy glider activity from apron area Apr-Oct.

AIRPORT MANAGER: 509-750-8623

WEATHER DATA SOURCES: ASOS 135.775 (509) 754-3761.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.2 (SEATTLE RADIO)

GRANT COUNTY APP/DEP CON 126.4 (1400-0600Z)

SEATTLE CENTER APP/DEP CON 126.1 (0600-1400Z)

AIRSPACE: CLASS E svc 1400-0600Z other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

(H) VORTACW 112.6 EPH Chan 73 N47°22.68' W119°25.44' 201° 5.7 NM to fld. 1250/21E.

VOR unusable:

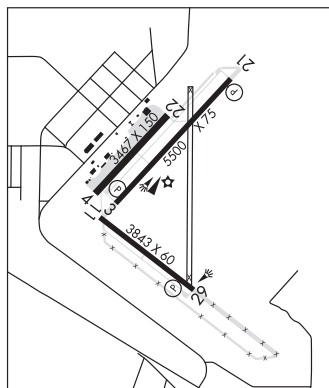
310°-350° byd 25 NM blo 6,500'

TACAN AZIMUTH & DME portion unusable:

280°-295° byd 25 NM blo 7,000'

310°-350° byd 25 NM blo 6,500'

COMM/NAV/WEATHER REMARKS: UNICOM monitored intermittently.



EVERETT

SNOHOMISH CO (PAINE FLD) (PAE)(KPAE) P (AR) 6 SW UTC-8(-7DT) N47°54.42' W122°16.90'

SEATTLE

608 B TPA—See Remarks LRA ARFF Index—See Remarks NOTAM FILE PAE

H-1B, L-1D

Rwy 16R-34L: H9010X150 (ASPH-CONC-GRVD) S-100, D-200,

IAP AD

2S-175, 2D-350, 2D/2D2-830 PCN 83 F/A/W/T HIRL CL

Rwy 16R: MALSR. TDZL. PAPI(P4R)—GA 3.0° TCH 74'. RVR-T Rgt t/c.

Rwy 34L: MALSF. PAPI(P4L)—GA 3.0° TCH 75'. Trees.

Rwy 11-29: H4504X75 (ASPH) S-30 MIRL 0.9% up SE

Rwy 11: VASI(V2L)—GA 3.25° TCH 60'. Thld displcd 798'. Trees.

Rwy 29: VASI(V2R)—GA 4.0° TCH 57'. Trees.

Rwy 16L-34R: H3004X75 (ASPH) S-12.5 MIRL

Rwy 16L: REIL. PAPI(P2L)—GA 3.25°. Pole.

Rwy 34R: REIL. PAPI(P2L)—GA 3.0°. Pole. Rgt t/c.

RUNWAY DECLARED DISTANCE INFORMATION

Rwy 16L:TORA-3004 TODA-3004 ASDA-3004 LDA-3004

Rwy 16R:TORA-9010 TODA-9010 ASDA-9010 LDA-9010

Rwy 34L:TORA-9010 TODA-9010 ASDA-9010 LDA-9010

Rwy 34R:TORA-3004 TODA-3004 ASDA-3004 LDA-3004

SERVICE: S4 FUEL 100LL, JET A OX 1, 3 LGT When twr clsd
ACTIVATE HIRL Rwy 16R-34L, MALSR Rwy 16R and PAPI Rwy 34L—CTAF. **MILITARY—** FUEL Copter proh at fueling islands. A, A+ (1400-0700Z), OT C425-355-6600, fee \$250, clsd Thanksgiving and Christmas day.) (NC-100LL)

AIRPORT REMARKS: Attended 1500-0500Z. Rwy 11-29 clsd exc for taxiing. For jet and helicopter fuel after hrs call 425-355-6600. Helicopters prohibited at fueling islands. Flocks of large and small birds invof arpt. Class IV, ARFF Index A. Arpt clsd to air carrier ops with more than 30 pax seats 0500-1500Z exc PPR ctc arpt ops 425-388-5110/5480. For adnl ARFF capability ctc arpt ops 425-388-5110. Rwy 11-29 and Rwy 16L-34R clsd btn 0500-1500Z. PAE has fac constraints that limit its ability to accommodate diverted flts and maintain the arpt safe ops dur irreg ops. Acft opr should ctc the on duty arpt ops personnel (425-610-8411) to coord diverted flts exc in the case of a declared in-flt emerg. First 1000' of Rwy 16R is conc. Large acft fly West pattern over water, small acft fly East pattern over arpt. Be alert for converging t/c on base to final legs Rwy 16R-34L 0500-1500Z. Trng flts discouraged after 0600Z. Rwy 16R-34L touch and go lds prohibited Mon-Fri 1500-1700Z. Rwy 16L-34R and Rwy 11-29 ltd to helicopters 8,000 lbs or less. Twy A2 rstd to 30,000 lbs. Avoid overfl of Boeing ramp NE corner of arpt due jet blast. Avoid int dep from Rwy 16L-34R and Rwy 29. Avoid int dep from Rwy 11 exc from Twy Delta 1 int. Twy C rstd to wingspan of 68' or less. Twy D btn Twy D2 and Twy Alpha rstd to wingspan of 118' or less. Twy D btn Twy D2 and Twy Golf rstd to wingspan of 49' or less. Twy A4, Twy A5, Twy K7 and Twy B rstd to wingspan of 118' or less. Taxilane H rstd to wingspan of 49' or less. Twy E ltd to acft with a wingspan of 156' or less. Acft over a wingspan of 156', tug ops only. Areas not visible from twr include East edge of South 1200' of Twy A, Twy E from SE corner of West hangars to Twy A, mid-section of outer terminal ramp, Twy H from NW edge of West hangars to Twy E, NE edge of inner terminal ramp. Twy int D2, D3 and D4 clsd indef. Twy K1 clsd to acft under 30,000 lbs. Twy K6 clsd west of compass rose. Twy W clsd indef. Transient helicopters expect landing/takeoff on Twy B. For NS ABTMT from 0500-1500Z if acft performance/wind allows, use Rwy 16R for arr and Rwy 34L for dep. Noise sensitive arpt, for NS ABTMT procedures and t/c procedures call arpt ops 425-388-5125. It is reqd that pilots adhere to the following NS ABTMT procedures unless otherwise instrd by twr, itinerant arr and low apch of small acft over 250 horsepower authorized on Rwy 29, Rwy 16L and Rwy 34R. Itinerant dep of small acft over 250 horsepower on Rwy 11 and Rwy 34R. PPR rqr for access on Boeing ramp ctc Boeing Flt Dispatch 206-544-5900. Prior to taxi onto Boeing ramp ctc Boeing radio twr 123.475 or call 425-342-5900. TPA-1608(1000) for lgt acft, 2008(1400) for heavy acft. Ldg fee for acft over 30,000 lbs GWT.

AIRPORT MANAGER: 425-388-5125

WEATHER DATA SOURCES: ASOS (425) 355-6192 LAWRS.

COMMUNICATIONS: CTAF 132.95 ATIS 128.65 425-355-9797 UNICOM 122.95

PAINE RCO 122.55 (SEATTLE RADIO)

Ⓡ SEATTLE APP/DEP CON 128.5

PAINE TOWER 132.95 (acft arr West of cntrln or dep Rwy 16R-34L) 120.2 (acft arr East of cntrln or dep Rwy 16L-34R) (1500-0500Z) GND CON 121.8 CLNC DEL 126.75

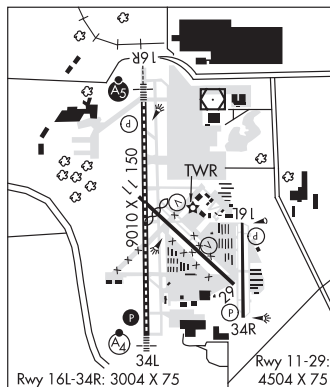
AIRSPACE: CLASS D svc 1500-0500Z other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAE Chan 43 N47°55.19' W122°16.67' at fld. 679/20E.

ILS 109.3 I-PAE Rwy 16R. Class IIE. Category: ILS unmonitored 0500-1500Z. LOC unusable byd 15° lft of course.

COMM/NAV/WEATHER REMARKS: Emerg freq 121.5 not avbl at twr.



FAIRCHILD AFB (SKA)(KSKA) AF (ANG) 10 SW UTC-8(-7DT) N47°36.90' W117°39.35' **SEATTLE**
 2462 B TPA—See Remarks AOE NOTAM FILE SKA Not insp. **H-1C, L-138**
RWY 05-23: H13899X150 (CONC) S-155, D-220, 2D-550 PCN 88 R/B/W/T HIRL CL **DIAF, AD**
RWY 05: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 58'. RVR-T
RWY 23: ALSF1. PAPI(P4L)—GA 3.0° TCH 56'. RVR-T Rgt ttc.
SERVICE: S4 **OX 2 MILITARY—JASU** (MA-1A) (A/M32A-86) (MC-1A) **FUEL** A++ **FLUID** SP PRESAIR; De-ice-Not avbl for
 C5, C17; **LOX OIL** O-148-156 **JOAP TRAN ALERT** Opr 1400-0600Z†, clsd wk end. Ctc Base Ops NLT 15 min out for svc
 req. Fleet svc avbl.
MILITARY REMARKS: **RSTD** PPR includes scheduled AMC msn. 24 hr prior coord rqr. All inbd pax/cargo acft must ctc comd post
 no later than 30 min prior to ldg. AMC acft opr rstd during Bird Watch Cond Moderate (tkf or ldg permission only when
 departing/arr rte avoid identified bird act, no lcl IFR/VFR ttc pat act) and Severe (tkf and ldg prohibited without Operation
 Group Commander apvl) ctc PTD or Command Post for current Bird Watch condition. Pad 5 DZ, 5000' south of rwy eff
 1630-2130Z† Mon-Fri from 1 Apr to 30 Sep, 2100-2300Z† Mon-Fri from 1 Oct to 31 Mar. **CAUTION** Unctl vehicle on
 twys and ramps. Helicopter ops invof Fairchild AFB. Flare rocket firing and demolition of explosives training Wed
 1530-1630Z† and 2000-2100Z†, lctd 5,000' south of Rwy 05-23 abeam Twy F, max alt 1,300'. Do not mistake
 Spokane Intl 4.5 NM east for Fairchild AFB. Phase II (the high bird potential haz time period) of the BASH program is in
 effect annually from 1 May to 31 Oct evening hours only +/- 1 hr of sunset. **CSTMS/AG/IMG** C509-247-5202/5439.
TFC PAT TPA—rectangular 3701(1239), overhead 4201(1739). **MISC** Base OPS DSN 657-5439/5202,
 C509-247-5439/5202. Base OPS OMNI DSN 312-657-2323, C509-247-2323. Air evacuation/tran acft ctc ptd no
 later than 15 min prior to arr. ARFF avbl upon req. AMOPS avbl to store classified up to secret, ltd storage capability.
ANG Opr Mon-Fri 1515-2345Z†, clsd weekend and hol.
COMMUNICATIONS: **SFA** Acft rqr **SFA** notify Seattle Center or Spokane App Con 20 min out on any published frequency.
ATIS 257.625 **PTD** 139.3 372.2
 (R) **SPOKANE APP/DEP CON** 133.35 263.0 (026°-204°) 123.75 282.25 (205°-025°)
TOWER 120.35 233.7 **GND CON** 123.6 275.8
COMD POST 321.0 311.0 (Call **STRIKEHAWK**) **PMSV METRO** 234.8 Wx flt svs and PMSV svs avbl 24 hrs. Wx flt DSN
 657-5514/8411, C509-247-5514/8411. AN/FMQ-19 automated observing sys in use; augmented by human obsn
 when nec. Dur wx flt closures remote briefing svc avbl from 25 OWS DSN 228-6598/6599/6588, C520-228-6598.
WASHINGTON ANG OPS 293.7
AIRSPACE: **CLASS C** svc ctc **APP CON**
RADIO AIDS TO NAVIGATION: NOTAM FILE SKA.
 (L) **TACAN** Chan 51 SKA (111.4) N47°36.61' W117°39.72' at fld. 2438/16E.
TACAN unusable:
 105°-135° byd 30 NM blo 6,200'
TACAN DME unusable:
 160°-175° byd 30 NM blo 5,600'
 190°-230° byd 30 NM blo 5,000'
 No NOTAM MP 1400-1700Z† Tue (2000/3+1)
ILS 110.3 I-FRC Rwy 05. No NOTAM MP: Rwy 05/23 1400-1700Z† Wed and Thu, (2,000/3+1).
ILS 110.3 I-SKA Rwy 23. Class IE. No NOTAM MP: Rwy 05/23 1400-1700Z† Wed and Thu, (2,000/3+1).

FELTS FLD (See SPOKANE on page 211)

FERRY CO (See REPUBLIC on page 202)

FIRST AIR FLD (See MONROE on page 190)

FISHERMANS BAY SPB (See LOPEZ on page 187)

FLOATHAVEN SPB (See BELLINGHAM on page 169)

FLY FOR FUN (See VANCOUVER on page 216)

FORKS (S18) 1 SW UTC-8(-7DT) N47°56.26' W124°23.76' **SEATTLE**
 299 NOTAM FILE SEA
RWY 04-22: H2400X75 (ASPH) MIRL
RWY 04: Tree.
RWY 22: Tree. Rgt ttc.
AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Parallel twy marked with reflectors.
AIRPORT MANAGER: 360-374-5412
COMMUNICATIONS: **CTAF** 122.9

FRIDAY HARBOR**FRIDAY HARBOR** (FHR)(KFHR) 0 SW UTC-8(-7DT) N48°31.32' W123°01.46'

SEATTLE

113 B LRA NOTAM FILE FHR

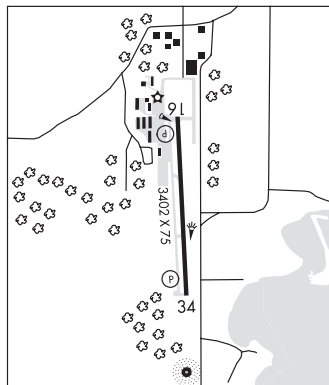
L-1E

RWY 16-34: H3402X75 (ASPH-GRVD) S-12.5 MIRL 0.8% up N

IAP

RWY 16: PAPI(P4R)—GA 4.0° TCH 39'. Bldg. Rgt tfc.**RWY 34:** REIL. PAPI(P4L)—GA 3.5° TCH 46'. Trees. Rgt tfc.**SERVICE:** S4 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 16-34 and REIL Rwy 34—CTAF.

AIRPORT REMARKS: Attended 1600-0100Z. NS ABTMT procedures in effect ctc arpt mgr 360-378-4724. Preferred Rwy 16 in calm wind conds. Due to high concentration of tfc invof arpt recommend ldg lgts or forward visibility lgts turned on while utilizing arpt. Rwy 16 PAPI baffled W of cntrln, lateral coverage has been narrowed to avoid obstacles dur descent, maintain highest possible alt and close alignment to rwy cntrln. Acft with wingspan greater than 55', 24 hr PPR, ctc arpt mgr 360-378-4724 or cell 360-317-8674. Soft ground btn tiedowns NE parking area. Acft in excess of 7,500 lbs charged fee based on wt ctc arpt mgr for info.

AIRPORT MANAGER: 360-378-4724**WEATHER DATA SOURCES:** ASOS 135.675 (360) 378-8491.**COMMUNICATIONS:** CTAF 128.25**® WHIDBEY APP/DEP CON** 118.2**RADIO AIDS TO NAVIGATION:** NOTAM FILE BLI.**WHATCOM (H) VORTACW** 113.0 HUH Chan 77 N48°56.72' W122°34.76' 195° 31.0 NM to fld. 83/20E. HIWAS.TACAN AZIMUTH unusable:
155°-165° byd 15 NM blo 6,000'**NDB (MHW)** 284 FHR N48°30.73' W123°01.43' at fld. NOTAM FILE FHR.**COMM/NAV/WEATHER REMARKS:** 128.25 monitored intermittently.**FRIDAY HARBOR SPB** (W33) 0 NE UTC-8(-7DT) N48°32.24' W123°00.58'

SEATTLE

00 LRA NOTAM FILE SEA

WATERWAY 03-21: 10000X2000 (WATER)**WATERWAY 12-30:** 6000X1000 (WATER)**SEAPLANE REMARKS:** Unattended. All tkfs should be performed N of Browns Island. US customs user fee arpt. Flight Notification Service (ADCUS) available. General aviation overnight ldg fee.**AIRPORT MANAGER:** 360-378-2688**COMMUNICATIONS:** CTAF 128.25**GOHEEN** (See BATTLE GROUND on page 168)**GOLDENDALE** (S2Ø) 1 NW UTC-8(-7DT) N45°49.92' W120°50.72'

SEATTLE

1678 B NOTAM FILE SEA

L-13A

RWY 07-25: H3491X40 (ASPH) S-4 MIRL**RWY 07:** Fence.**RWY 25:** SAVASI(S2L). Thld dsplcd 330'. Trees.**AIRPORT REMARKS:** Unattended. Deer and wildlife invof arpt. NSTD white line crosses rwy near Rwy 25 marking. NSTD white line crosses rwy near Rwy 25 marking.**AIRPORT MANAGER:** 509-310-9441**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE DLS.**KLICKITAT (H) VORW/DME** 112.3 LTJ Chan 70 N45°42.82' W121°06.05' 035° 12.9 NM to fld. 3220/21E. HIWAS.**GRAND COULEE DAM** (See ELECTRIC CITY on page 178)**GRANT CO INTL** (See MOSES LAKE on page 191)

GRAY AAF (JOINT BASE LEWIS—MCCHORD) (GRF)(KGRF) A (AR ARNG) 1 E UTC-8(-7DT)

SEATTLE
H-1B, L-1D
DIAP AD

N47°04.75' W122°34.85'

306 B TPA—See Remarks NOTAM FILE GRF Not insp.

RWY 15-33: H6121X147 (ASPH) PCN 55 F/A/W/T HIRL

RWY 15: SSALR. PAPI(P4L)—GA 3.0° TCH 58'. RVR-T

RWY 33: SSALR.

SERVICE: **MILITARY—** **FUEL** A++ Ltd supply. Ltd tran alert.

MILITARY REMARKS: No incoming Space A pax without prior apvl. **RSTD** 48 hr PPR tran acft, ctc Base Ops DSN

357-6628/5998, C253-967-6628/5998. **CAUTION** Numerous small arms 0.8 NM east of afld. **TFC PAT** TPA—E/W tfc, fixed wing 1800(1494), rotary wing 800(494). UAV 1000(694), west tfc only. **MISC** Special VFR day fixed wing 700-1, rotary wing 300-1/2. Ngt fixed wing not auth, rotary wing 500-1. Acft conducting tactical opr on JBLM mil reservation ctc OPS prior to opr. Ctc Gray tfc on CTAF when twr clsd. No hangar for tran acft. Base ops and tower opr 0800Z† Mon-0800Z† Fri and 1700-0100Z† Sat and Sun. Clsd hol. Rwy cond reading will be reported Mon-Fri, 1500-2300Z† via NOTAM and ATIS dur inclement winter wx. Wx obsn visibility ltd to 2 SM in some directions. Wx obsn automated by AN/FMQ-19. Wx obsn augmented/backup Mon-Fri 0800-0800Z† and 1700-0100Z† Sat and Sun or end of lcl flying daily and dur inclement wx, as rqrd. Clsd hol. High volume of night vision scope trng on afld, portions of afld lgtg may be dim or off. Pilots of mil rotary-wing acft shall inform Gray Twr on initial ctc if they are unaided. **USAR** Ctc OPS DSN 357-3036, C253-967-3036. **ARNG** Opr 1430-0100Z† Tue-Fri exc hol. Tran alert svc not avbl. Ltd prk. PPR for acft rqr fuel and prk, DSN 323-3805, C253-912-3905.

AIRPORT MANAGER: 206-968-2904

COMMUNICATIONS: **CTAF** 119.325 **ATIS** 124.65 306.2

BULLSEYE RADIO 34.6 141.5 379.1 Opr 0800Z† Mon-0800Z† Fri and 1700-0100Z† Sat and Sun. Clsd hol. All rotary wing acft ctc Bullseye radio prior to entry R6703A-J, range status avbl on UHF 384.525 and VHF 142.7.

Ⓡ **SEATTLE APP/DEP CON** 120.1 290.9

TOWER 119.325 256.8 276.4 (Opr 0800Z† Mon-0800Z† Fri and 1700-0100Z† Sat and Sun. Clsd hol.) **GND CON** 121.9 290.2 **CLNC DEL** 121.9 290.2

PMSV METRO 134.1 38.45 Full svc 0800Z† Mon-0800Z† Fri and 1700Z-0100Z† Sat and Sun or end of lcl flying daily and dur inclement wx, as required. Clsd hol. Wx briefings for tran air crews avbl from 25 OWS, Davis-Monthan AFB, DSN 228-6598

OPS 41.50 138.6 395.225 **USAR OPS** 30.5 36.10 245.5 **ARNG OPS** 32.6

AIRSPACE: **CLASS D** svc 1600-0800Z† except holidays other times **CLASS E**.

RADIO AIDS TO NAVIGATION: NOTAM FILE GRF.

LACOMAS NDB (MHW) 328 LAC N47°00.48' W122°33.40' 331° 4.4 NM to fld.

GRAYE NDB (MHW) 216 GRF N47°09.02' W122°36.28' 151° 4.4 NM to fld.

ILS/DME 108.3 I-GRF Chan 20 Rwy 15. ILS - No NOTAM MP 1400-1600Z† Fri. Radar - No NOTAM MP

1400-1600Z† Fri. See terminal flip for radar minima.

PAR Opr continously except federal holidays.

GRAYE N47°09.02' W122°36.28' NOTAM FILE GRF
NDB (MHW) 216 GRF 353° 7.1 NM to Tacoma Narrows.

SEATTLE
L-1D

GREENWATER

RANGER CREEK (21W) 10 SE UTC-8(-7DT) N47°00.79' W121°32.02'

SEATTLE

2650 NOTAM FILE SEA

RWY 15-33: H2875X30 (ASPH) 0.9% up SE

RWY 15: Trees.

RWY 33: Trees.

AIRPORT REMARKS: Unattended. Arpt clsd Oct 1 to Jun 1 exc for approved mil and public safety/law enforcement helicopter ops. Mountainous terrain surrounds arpt. Pedestrians, vehicles and animals on and invof rwy. USFS campgrounds east and north of rwy. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: **CTAF** 122.9

GROVE FLD (See CAMAS on page 171)

HARVEY FLD (See SNOHOMISH on page 210)

HOQUIAM

BOWERMAN (HQM)(KHQM) 2 W UTC-8(-7DT) N46°58.27' W123°56.19'

SEATTLE
H-1B, L-1D
IAP

18 B LRA NOTAM FILE HQM

RWY 06-24: H5000X150 (ASPH) S-30, D-40, 2D-80 HIRL

RWY 06: REIL. PAPI(P4R)—GA 3.0° TCH 40'. Rgt ttc.

RWY 24: MALSR. PAPI(P4L)—GA 3.5° TCH 55'.

SERVICE: FUEL 100LL, JET A LGT ACTIVATE HIRL Rwy 06-24, MALSR Rwy 24 and REIL Rwy 06—CTAF.

AIRPORT REMARKS: Unattended. 100LL avbl 24 hrs a day with a major credit card. For Jet A call 360-593-0949 24 hrs a day. Flocks of waterfowl on and invof arpt. 103' crane 0.2 NM southwest of AER 24. Svc road south of rwy in primary sfc. Ultralights prohibited without written permission from arpt mgr.

AIRPORT MANAGER: 360-533-9544

WEATHER DATA SOURCES: ASOS 135.775 (360) 538-7021. HIWAS 117.7 HQM.

COMMUNICATIONS: CTAF/UNICOM 122.7

HOQUIAM RCO 122.2 (SEATTLE RADIO)

SEATTLE CENTER APP/DEP CON 128.3

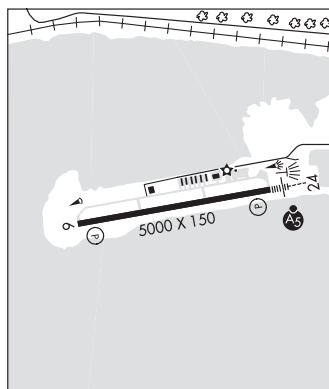
AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE HQM.

HOQUIAM (H) VORTACW 117.7 HQM Chan 124 N46°56.82'

W124°08.96' 062° 8.9 NM to fld. 10/19E. HIWAS.

ILS/DME 108.7 I-HQM Chan 24 Rwy 24. Class IT.



HOQUIAM N46°56.82' W124°08.96' NOTAM FILE HQM.

(H) VORTACW 117.7 HQM Chan 124 062° 8.9 NM to Bowerman. 10/19E. HIWAS.

RCO 122.2 (SEATTLE RADIO)

SEATTLE
H-1B, L-1D

HOSKINS FLD (See OLYMPIA on page 194)

ILWACO

PORT OF ILWACO (7W1) 2 E UTC-8(-7DT) N46°18.89' W124°00.23'

SEATTLE

13 B NOTAM FILE SEA

RWY 10-28: H2080X50 (ASPH) S-5 MIRL

RWY 10: Trees.

RWY 28: PAPI(P2L)—GA 4.0°. Thld dsplcd 300'. Trees.

SERVICE: LGT ACTIVATE MIRL Rwy 10-28—CTAF.

AIRPORT REMARKS: Unattended. Rwy 10-28 markings faded.

AIRPORT MANAGER: 360-642-3143

COMMUNICATIONS: CTAF 122.9

IONE MUNI (S23) 2 S UTC-8(-7DT) N48°42.51' W117°24.79'

SEATTLE

2110 B NOTAM FILE SEA

RWY 15-33: H3643X45 (ASPH) MIRL

RWY 15: Thld dsplcd 222'. Fence.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 15: TORA-3421 TODA-3421 ASDA-3421 LDA-3421

RWY 33: TORA-3644 TODA-3644 ASDA-3644 LDA-3421

AIRPORT REMARKS: Unattended. Wildlife invof rwy. Arpt used for seasonal wildland fire support.

AIRPORT MANAGER: 509-442-3416

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90' W117°37.61' 346° 69.2 NM to fld. 2756/21E. HIWAS.

VOR portion unusable:

300°-330° byd 30 NM blo 9,000'

335°-360° byd 18 NM blo 7,000'

335°-360° byd 25 NM

360°-015° byd 26 NM blo 7,000'

NDB (MHW) 379 ION N48°42.61' W117°24.81' at fld. NOTAM FILE SEA. VFR only.

HELIPAD H1: H60X60 (CONC) MIRL

JEFFERSON CO INTL (See PORT TOWNSEND on page 198)

JOINT BASE LEWIS—MCCHORD (See MCCHORD FLD (JOINT BASE LEWIS—MCCHORD) on page 189)

KAHLOTUS

LOWER MONUMENTAL STATE (W09) 5 S UTC-8(-7DT) N46°33.03' W118°32.18'

SEATTLE

813 NOTAM FILE SEA

RWY 01-19: 3300X50 (GRVL)

RWY 01: Tower.

RWY 19: P-line.

AIRPORT REMARKS: Unattended. Do not land if snow present on rwy. No snow removal ops. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Pedestrians, vehicles and animals on and invof rwy. Portions of rwy sfc rough and soft. Rwy marked with reflectors dur dates arpt is open. Rwy 01-19 has steep canyon walls North, East and South. Multiple p-lines 0.4 mi NNE of arpt.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: CTAF 122.9

KELSO

SOUTHWEST WASHINGTON RGNL (KLS)(KKLS) 2 SE UTC-8(-7DT) N46°07.08' W122°53.90'

SEATTLE

20 B LRA NOTAM FILE KLS

RWY 12-30: H4391X100 (ASPH) S-38, D-46, 2D-74 MIRL(NSTD)

RWY 12: REIL. PAPI(P4L)—GA 4.0° TCH 37'. Trees. Rgt tfc.

RWY 30: REIL. PAPI(P4L)—GA 4.0° TCH 62'. Trees.

SERVICE: S4 FUEL 100LL, JET A L&T Rwy 12-30 MIRL NSTD spacing.

ACTIVATE MIRL Rwy 12-30—CTAF.

AIRPORT REMARKS: Attended winter 1600-0100Z, summer 1600-0200Z. 24 hr self-svc credit card fuel facility. Numerous flocks of birds on and invof arpt. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: (360) 261-8268

WEATHER DATA SOURCES: AWOS-3 135.075 (360) 577-1964.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.250 (SEATTLE RADIO)

Ⓡ SEATTLE CENTER APP/DEP CON 124.2

RADIO AIDS TO NAVIGATION: NOTAM FILE PDX.

BATTLE GROUND (H) VORTACW 116.6 BTG Chan 113 N45°44.87'

W122°35.49' 309° 25.7 NM to fld. 253/21E.

TACAN AZIMUTH & DME unusable:

035°-085° byd 35 NM blo 10,000'

KELSO NDB (MHW) 256 LSO N46°09.33'

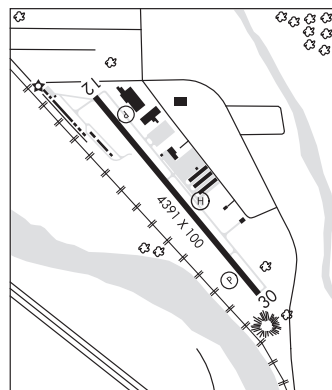
W122°54.76' 148° 2.3 NM to fld. NOTAM FILE KLS.

NDB unusable:

020°-120°

120°-180° byd 15 NM

180°-340° byd 10 NM



KELSO N46°09.33' W122°54.76' NOTAM FILE KLS.

SEATTLE

NDB (MHW) 256 LSO 148° 2.3 NM to Southwest Washington Rgnl.

NDB unusable:

020°-120°

120°-180° byd 15 NM

180°-340° byd 10 NM

KENMORE AIR HARBOR SPB (See SEATTLE on page 206)

KENMORE AIR HARBOR INC SPB (S60) 1 S UTC-8(-7DT) N47°45.29' W122°15.56'

SEATTLE

14 LRA NOTAM FILE SEA

WATERWAY 16-34: 10000X1000 (WATER)

WATERWAY 18-36: 3000X1000 (WATER)

SERVICE: S4 FUEL 100LL, JET A

SEAPLANE REMARKS: Attended dawn-dusk. Unlgtd crane 75' AGL and pilings 6' abv water. Waterway 18, 8 buoys mark 5 miles per hr speed limit area. Ldg zone unlgtd, seaplanes exempt from 5 miles per hr speed limit. Sfc watercraft entering opr area from within channel East of Waterway 16-34. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: 425-486-1257

COMMUNICATIONS: CTAF/UNICOM 122.7

KENT**CREST AIRPARK** (S36) 5 SE UTC-8(-7DT) N47°20.23' W122°06.21'

472 B TPA-1472(1000) NOTAM FILE SEA

RWY 15-33: H3288X40 (ASPH) S-12 LIRL**RWY 15:** Trees.**RWY 33:** Thld dsplcd 281'. Trees.**SERVICE:** S4 **FUEL** 100LL**AIRPORT REMARKS:** Attended 1700-0100Z†. 24 hr credit card fuel avbl. Arpt clsd when snow on rwy. Night ops use Rwy 15, wind and wx permitting.

Trees on both sides of Rwy 15-33.

AIRPORT MANAGER: 253-631-7100**COMMUNICATIONS:** CTAF/UNICOM 123.0**RADIO AIDS TO NAVIGATION:** NOTAM FILE SEA.**SEATTLE (H) VORTACW** 116.8 SEA Chan 115 N47°26.12'

W122°18.58' 106° 10.3 NM to fld. 354/19E.

VOR portion unusable:

008°-023° byd 20 NM blo 3,500'

008°-023° byd 30 NM blo 4,100'

233°-273° byd 20 NM blo 8,000'

233°-273° byd 30 NM blo 10,000'

233°-273° byd 35 NM blo 11,000'

233°-273° byd 8 NM blo 5,500'

303°-333° byd 20 NM blo 2,900'

303°-333° byd 30 NM blo 4,000'

333°-353° byd 15 NM blo 3,500'

353°-008° byd 20 NM blo 2,900'

TACAN antenna offset 150' on 300 radial.

TACAN AZIMUTH & DME unusable:

008°-028° byd 20 NM blo 4,500'

008°-028° byd 30 NM blo 7,000'

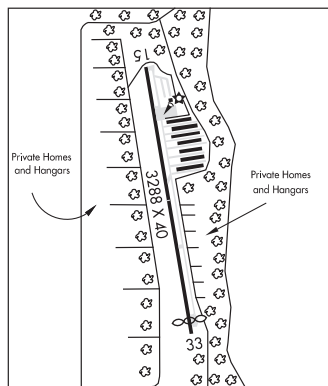
203°-253° byd 27 NM

303°-008° byd 30 NM blo 3,500'

TACAN AZIMUTH unusable:

008°-163°

173°-293°



SEATTLE

L-1D

KLIKITAT N45°42.82' W121°06.05' NOTAM FILE DLS.(H) **VORW/DME** 112.3 LTJ Chan 70 186° 6.3 NM to Columbia Gorge Rgnl/The Dalles Muni. 3220/21E. **HIWAS.** H-1B**LACOMAS** N47°00.48' W122°33.40' NOTAM FILE GRF.**NDB (MHW)** 328 LAC 341° 15.6 NM to Tacoma Narrows.

SEATTLE

L-1D

LAKE CHELAN (See CHELAN on page 172)**LAKE WENATCHEE STATE** (See LEAVENWORTH on page 187)**LANGLEY****WHIDBEY AIR PARK** (W1Ø) 2 SW UTC-8(-7DT) N48°01.05' W122°26.26'

271 NOTAM FILE SEA

RWY 16-34: H2470X25 (ASPH)**RWY 16:** Hill.**RWY 34:** Tree.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** (206) 341-5531**COMMUNICATIONS:** CTAF 122.9

SEATTLE

LAURIER**AVEY FLD** (69S) 2 SW UTC-8(-7DT) N48°59.90' W118°13.36'

SEATTLE

1655 LRA NOTAM FILE SEA

RWY 17-35: 1975X40 (GRVL)**RWY 17:** Trees.**RWY 35:** Trees.**AIRPORT REMARKS:** Unattended. Vehicles, pedestrians and animals on and invof rwy. Rwy marked with retro-reflective devices.

Shoulders very soft and rough both sides of rwy. Canadian and U.S. customs avbl on hwy to the west. U.S. based acft should park on the U.S. side of ramp, south, and Canadian based acft should park on north side of ramp.

AIRPORT MANAGER: 509-684-2240**COMMUNICATIONS:** CTAF 122.9**LEAVENWORTH****LAKE WENACHEE STATE** (27W) 14 NW UTC-8(-7DT) N47°49.16' W120°43.19'

SEATTLE

1939 NOTAM FILE SEA

RWY 09-27: 2473X100 (TURF) 0.4% up W**RWY 09:** Road.**RWY 27:** Road.**AIRPORT REMARKS:** Unattended. CLOSED 1 Oct-1 Jun. Pedestrians, vehicles and animals on and invof rwy. Two windsocks, one at each rwy end. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Rwy marked with reflectors dur dates arpt is open.**AIRPORT MANAGER:** (360) 618-2477**COMMUNICATIONS:** CTAF 122.9**LESTER STATE** (15S) 2 E UTC-8(-7DT) N47°12.91' W121°27.74'

SEATTLE

1693 NOTAM FILE SEA

RWY 05-23: 400X100 (TURF)**RWY 05:** Tree.**RWY 23:** Tree.**AIRPORT REMARKS:** Unattended. Arpt clsd to fixed wing acft indef. Rwy 05-23 clsd indef due to severe erosion from river.

Vehicles, pedestrians and animals on and invof rwy. Ctc WA State Aviation Division 360-651-6300 or 1-800-552-0666 WA area for facility info prior to use. Rwy 05-23 sfc rough. Rwy sfc not maintained, very tall grass and weeds.

AIRPORT MANAGER: (360) 618-2477**COMMUNICATIONS:** CTAF 122.9**HELIPAD H1:** 100X100 (TURF)**HELIPORT REMARKS:** Grass area available for emergency helicopter operations.**LIND** (ØSØ) 2 NE UTC-8(-7DT) N46°58.61' W118°35.23'

SEATTLE

1507 B NOTAM FILE SEA

L-13A

RWY 05-23: H3197X50 (ASPH) MIRL**RWY 23:** Hill.**AIRPORT REMARKS:** Unattended. East end of rwy has 800' by 50' dirt graded safety area. Rwy 05-23 MIRL OTS indef. Arpt rotating bcn OTS indef.**AIRPORT MANAGER:** 509-677-3241**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE MWH.**MOSES LAKE (H) VORW/DME** 115.0 MWH Chan 97 N47°12.65' W119°19.01' 097° 33.0 NM to fld. 1193/18E.**LITTLE GOOSE LOCK AND DAM** (See STARBUCK on page 213)**LOPEZ****FISHERMANS BAY SPB** (81W) 1 S UTC-8(-7DT) N48°30.99' W122°55.08'

SEATTLE

00 NOTAM FILE SEA

WATERWAY 05-23: 3000X150 (WATER)**WATERWAY 05:** Rgt t/c.**SEAPLANE REMARKS:** Unattended. Avoid overflights of houses on surrounding land. No step taxi in bay.**AIRPORT MANAGER:** 360-468-4116**COMMUNICATIONS:** CTAF 122.9

LOPEZ ISLAND (S31) 3 S UTC-8(-7DT) N48°29.03' W122°56.26' SEATTLE
 209 B NOTAM FILE SEA
RWY 16-34: H2904X60 (ASPH-GRVD) S-12.5 MIRL
RWY 16: REIL. PAPI(P2L)—GA 4.0° TCH 40'. Trees. Rgt tfc.
RWY 34: REIL. PAPI(P2L)—GA 4.0° TCH 32'. Trees.
AIRPORT REMARKS: Unattended. Rwy 16-34 soft shoulders and thlds. Rwy 16, 200+ trees 1,320' north of thld.
AIRPORT MANAGER: 360-468-4116
COMMUNICATIONS: CTAF 128.25

LOST RIVER RESORT (See MAZAMA on page 189)

LOWER GRANITE STATE (See COLFAX on page 173)

LOWER MONUMENTAL STATE (See KAHLOTUS on page 185)

LYNDEN MUNI AIRPORT JANSEN FLD (38W) 1 N UTC-8(-7DT) N48°57.35' W122°27.49' SEATTLE
 106 B NOTAM FILE SEA
RWY 07-25: H2425X40 (ASPH) S-12 MIRL(NSTD)
RWY 07: PAPI(P2L)—GA 3.0° TCH 15'. Thld dsplcd 262'. Fence.
RWY 25: PAPI(P2R)—GA 6.0° TCH 15'. Thld dsplcd 433'. Road.
SERVICE: FUEL 100LL LGT Rwy 07-25 NSTD MIRL. Use 3 clicks to ACTIVATE MIRL Rwy 07-25 and rotating bcn—CTAF.
AIRPORT REMARKS: Unattended. Automated credit card system for fuel. Exposed ditch Rwy 07-25. Avoid ngt lds to Rwy 25. Ngt lds should be performed on Rwy 07, winds permitting. 1850' between thld lgts, Rwy 07 thld lgts located 134' prior to dsplcd thld. Rwy 07 thld relocated 155' for ngt ops. Rwy 25 thld relocated 434' for ngt ops, 1871' usable for ngt ops. No white/red lgts past dsplcd thld. Run-ups not permitted on Rwy 25 turn around twy. Fly PAPI on all approaches to Rwy 07. Rwy 25 departures use full length of available Rwy TODA 2425 ft.
AIRPORT MANAGER: 360-354-3446
COMMUNICATIONS: CTAF 122.9
COMM/NAV/WEATHER REMARKS: Use 3 clicks to ACTIVATE A-UNICOM.

MANSFIELD (8W3) 0 E UTC-8(-7DT) N47°48.56' W119°38.22' SEATTLE
 2272 B NOTAM FILE SEA
RWY 03-21: H2575X46 (ASPH) MIRL
RWY 03: Pole.
RWY 21: Road.
RUNWAY DECLARED DISTANCE INFORMATION
RWY 03: TORA-2400
RWY 21: TORA-2400
AIRPORT REMARKS: Unattended. Possible turbulence from grain elevators north side of arpt.
AIRPORT MANAGER: 509-884-4700
COMMUNICATIONS: CTAF 122.9

MARTIN FLD (See COLLEGE PLACE on page 174)

MASON CO N47°14.88' W123°05.18' NOTAM FILE SHN. SEATTLE
NDB (MHW) 348 MNC 232° 2.6 NM to Sanderson Fld. NDB unmonitored. L-10
 NDB unusable:
 280°-340° byd 20 NM

MATTAWA

DESERT AIRE (M94) 3 SW UTC-8(-7DT) N46°41.24' W119°55.18' SEATTLE
 586 B NOTAM FILE SEA L-13A
RWY 10-28: H3665X60 (ASPH) MIRL
RWY 10: Bldg.
RWY 28: PAPI(P2L)—GA 4.0° TCH 45'. Ground. Rgt tfc.
SERVICE: LGT ACTIVATE MIRL Rwy 10-28 and rotating bcn—CTAF.
AIRPORT REMARKS: Unattended. Rwy 10 preferred low wind rwy (less than 5 kts). No touch and go lds prior to 1600Z. NS ABTMT tkf procedure posted at arpt. Long final and extd base apchs to Rwy 28 not advised due to close proximity of low flying fast mil jets. Tran parking lctd on southeast and southwest end of arpt. EMS helicopter parking area on southwest end of arpt. Twy marked with retro-reflective devices.
AIRPORT MANAGER: 360-436-6277
COMMUNICATIONS: CTAF/UNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.
MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65' W119°19.01' 200° 40.0 NM to fld. 1193/18E.

MAZAMA

LOST RIVER RESORT (W12) 5 NW UTC-8(-7DT) N48°38.98' W120°30.12'

SEATTLE

2415 NOTAM FILE SEA

RWY 11-29: 3150X85 (TURF-GRVL)

RWY 11: Road. Rgt tffc.

RWY 29: Road.

AIRPORT REMARKS: Unattended. Arpt CLOSED 1 Nov thru 1 Apr. Watch for vehicles and pedestrians on rwy. Access roads both side of rwy in primary surface, vehicles cross rwy at various locations, primarily at rwy ends.

AIRPORT MANAGER: 509-996-2385

COMMUNICATIONS: CTAF 122.9

MCCHORD FLD (JOINT BASE LEWIS-MCCHORD) (TCM)(KTCM) MIL/CIV AF 3 S UTC-8(-7DT)

SEATTLE

N47°08.26' W122°28.59'

H-18, L-1D

322 B TPA—See Remarks AOE NOTAM FILE TCM Not insp.

DIAP, AD

RWY 16-34: H10108X150 (ASPH-CONC-GRVD) S-155, D-220, 2D-390, 2D/2D2-800 PCN 46 R/B/W/T

HIRL CL

RWY 16: ALSF1. PAPI(P4R)—GA 3.0° TCH 68'. RVR-T 0.4% up.

RWY 34: ALSF2. TDZL. PAPI(P4R)—GA 3.0° TCH 59'. RVR-T Rgt tffc.

RWY 162-342: H3000X60 (ASPH)

ARRESTING GEAR/SYSTEM

RWY 16 HOOK E5 (240' OVRN) HOOK BAK-12B(B) (2450'). HOOK BAK-12B(B) (1668') HOOK E5 (102' OVRN) **RWY 34**
SERVICE: S4 **OX** 1, 2 **LGT** Visual TCH set for hgt Gp 3 acft only. Rwy 16-34 cntr 72' thld lgt removed. PAPI GS not
 coincidental with ILS GS. AMP-1/AMP-3 overt/covert assault strip lgt inst mid 5000' Rwy 16-34. **MILITARY—A-GEAR**
 Rwy 16-34 E5 & BAK-12B avbl Mon-Fri 1530Z-0001Z. N and S BAK-12B Rwy A-G unavbl dur national hol. When
 Rwy 16-34 act, apch E5 is removed. Rwy 16-34 BAK-12B 30 min PN rqr to connect cable. **JASU** (MD-3M) 1(MD-3)
 1(MA-1A) (AM32A-60) 1(MC-11) **FUEL** A+ + **FLUID** SP PRESAIR De-ice-Exp 3 hr delay. **LHOX LOX OIL**
 0-128-133-148-156 SOAP - Results rqr 24 hr, 1530-0030Z wkd exc hol, results not avbl OT. Tran acft req SOAP
 will arr wth historical eng SOAP data for trend analysis. **TRAN ALERT** Opr H24. Delays can be exp. Prk ltd.

MILITARY REMARKS: **RSTD** PPR incl scheduled AMC msn due to ltd ramp space, tran acft parking extremely ltd. 24 hr prior coord
 rqr, Base OPS DSN 382-5611, C253-982-5611. All inbd acft must ctc Command Post (Rainier OPS) no later than 30
 min prior to ldg. AMC acft opr rstd dur Bird Watch Cond Moderate (tkf and ldg permission only when departing/arr rte
 avoid identified bird act, no lcl IFR/VFR tfc pat act) and Severe (tkf and ldg prohibited without OG/CC apvl), ctc
 PTD/ATIS/Command Post for current Bird Watch Cond. Tran aircrews conducting lcl area low-level training msn must
 receive lcl procedure/rstd briefing from 62 OSS/OSK at DSN 382-3615, C253-982-3615. **CAUTION** When performing
 pre-tkf engine runup, align acft so that debris is not blown toward ADTAC alert hangar or adj acft parking ramp. During
 VFR conds, acft making low apch, nml tkf, TGL, or missed apch remain at or blo 1800' until departure EOR. Bird haz.
 South end rwy not visible from official wx station obsn point. When fog/low clouds are present over AER 34, cond report
 from obsn point may not be representative. **TFC PAT** Before ldg maintain tfc pat alt commensurate with safety as long as
 practicable. TPA—Rectangular 1800' (1478) overhead 2300' (1978). **MISC** Aircrews notify PTD anytime they plan to
 delay in lcl IFR pat on separate clnc prior to or departure on filed flt plan. Base OPS DSN 382-5611, C253-982-5611.
 Rwy 16-34 marked with white non-reflective 90' X 3500' VFR daytime assault ldg zone. South 1000' Rwy 16-34 is
 conc, rwy is grvd.

AIRPORT MANAGER: 253-982-5611

COMMUNICATIONS: SFA ATIS 109.6 270.1 PTD 372.2

® SEATTLE APP/DEP CON 126.5 377.15

TOWER 124.8 259.3 109.6T **GND CON** 118.175 279.65

COMD POST 349.4 134.1

PMSV METRO 342.3 Wx stn svc avbl dur afld opr hrs DSN 382-3434/2112, C253-982-3434/2112. All obs provided by
 AN/FMQ-19 Automated Observing Sys; augmented by human obsn when nec. Full svc PMSV avbl via phone patch with
 Comd Post. Tran aircrew ctc 25 OWS dur afld closure to request wx briefing DSN 228-6598, or C520-228-6598. When
 possible provide 3 hr PN for all rqr briefings.

AIRSPACE: CLASS D

CONTINUED ON NEXT PAGE

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RADIO AIDS TO NAVIGATION: NOTAM FILE TCM.

(T) VORTAC 109.6 TCM Chan 33 N47°08.86' W122°28.50' at fld. 283/15E.

VORTAC No NOTAM MP 0800-1700Z‡ and 2100-2300Z‡ Wed

VOR unusable:

033°-043° byd 12 NM blo 8,500'

043°-063° byd 12 NM

063°-076° byd 19 NM

076°-082° byd 19 NM blo 8,000'

076°-082° byd 24 NM blo 10,000'

142°-153° byd 12 NM

153°-163° byd 12 NM blo 5,800'

207°-277° byd 12 NM

307°-082° byd 10 NM blo 8,000'

307°-347° byd 12 NM

347°-033° byd 19 NM

ILS 109.9 I-MAR Rwy 16. Ry 16-34 backcourse unusable. Ry 16-34 No NOTAM MP 0800-1700Z‡ and 2100-2300Z‡ Tue and Thu.

ILS 108.5 I-TCM Rwy 34. Ry 16-34 backcourse unusable. Ry 16-34 No NOTAM MP 0800-1700Z‡ and 2100-2300Z‡ Tue and Thu.

MEAD FLYING SERVICE (70S) 1 N UTC-8(-7DT) N47°47.23' W117°21.49'

SEATTLE

1905 TPA-2505(600) NOTAM FILE SEA

RWY 16-34: H2481X30 (ASPH)

RWY 16: Trees.

RWY 34: Trees.

AIRPORT REMARKS: Attended continuously. No winter maintenance.

AIRPORT MANAGER: 253-880-7805

COMMUNICATIONS: CTAF 122.9

MEARS FLD (See CONCRETE on page 174)**METALINE FALLS****SULLIVAN LAKE STATE** (09S) 3 SE UTC-8(-7DT) N48°50.45' W117°17.04'

SEATTLE

2614 NOTAM FILE SEA

RWY 16-34: 1765X100 (TURF)

RWY 16: Trees.

RWY 34: Tree.

AIRPORT REMARKS: Unattended. Arpt clsd 1 Oct-1 June exc for apvd mil and public safety/law enforcement helicopter ops.

Vehicles, pedestrians, and animals on and in/ovf arpt. Watch for gnd squirrel holes in rwy. Rwy 16-34 sfc rough. Trees both sides in transition sfcs. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Gnd drops rapidly byd Rwy 16-34 ends. Rwy marked with reflectors dur dates arpt is open. 2 wind socks, one on each rwy end.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: CTAF 122.9

METHOW VALLEY STATE (See WINTHROP on page 221)**MONROE****FIRST AIR FLD** (W16) 2 NW UTC-8(-7DT) N47°52.28' W121°59.71'

SEATTLE

50 NOTAM FILE SEA

RWY 07-25: H2087X34 (ASPH)

RWY 07: Tree. Rgt ttc.

RWY 25: Thld dsplcd 500'. Pole.

SERVICE: S4

AIRPORT REMARKS: Attended Oct-Mar 1700Z‡-dark, Apr-Sept 1700-0300Z‡. Parachute Jumping. Tran tie downs have no ropes, pilots must supply own. Additional tran parking avbl SE corner of rwy. Rwy 25 acft parked in primary sfc.

AIRPORT MANAGER: 360-794-8570

COMMUNICATIONS: CTAF 122.9

MORTON

STROM FLD (39P) 0 SE UTC-8(-7DT) N46°33.02' W122°16.00'
 941 B NOTAM FILE SEA
RWY 07-25: H1810X40 (ASPH) MIRL
RWY 07: Thld dsplcd 200'. Trees.
RWY 25: Trees.
SERVICE: LGT ACTIVATE MIRL Rwy 07-25 and rotating bcu—CTAF.
AIRPORT REMARKS: Unattended. Trees near rwy. Deer and elk on and invof rwy.
AIRPORT MANAGER: (360) 496-5210
COMMUNICATIONS: CTAF 122.9

SEATTLE

MOSES LAKE

GRANT CO INTL (MWH)(KMWH) 5 NW UTC-8(-7DT) N47°12.52' W119°19.15'

SEATTLE
 H-1C, L-13A
 IAP, AD

1189 B ARFF Index—See Remarks NOTAM FILE MWH
RWY 14L-32R: H13503X200 (ASPH-CONC-GRVD) S-85, D-155, 2S-175, 2D-320, 2D/2D2-600 HIRL(NSTD)
RWY 14L: REIL. PAPI(P4L)—GA 3.0° TCH 75'. Bldg.
RWY 32R: MALSR. PAPI(P4L)—GA 3.0° TCH 76'. Rgt tfc.
RWY 04-22: H10000X100 (ASPH-GRVD) S-75, D-100, 2S-127, 2D-175, 2D/2D2-475 MIRL
RWY 04: REIL. PAPI(P4L)—GA 3.0° TCH 49'. 0.4% down.
RWY 22: REIL. VASI(V4L)—GA 3.0° TCH 50'. Rgt tfc. 0.3% up.
RWY 09-27: H3500X90 (CONC-GRVD) S-100, D-150, 2S-270, 2D-270, 2D/2D2-475 0.3% up NW
RWY 27: Rgt tfc.
RWY 18-36: H3327X75 (ASPH) S-75, D-170, 2S-175, 2D-300, 2D/2D2-400 MIRL
RWY 18: Rgt tfc.
RWY 14R-32L: H2936X75 (CONC) S-100, D-200, 2S-175, 2D-400, 2D/2D2-400
RWY 14R: Ground. Rgt tfc.
LAND AND HOLD—SHORT OPERATIONS

LDG RWY	HOLD—SHORT POINT	AVBL LDG DIST
RWY 04	14L-32R	4700
RWY 14L	04-22	7550
RWY 22	14L-32R	4650
RWY 32R	04-22	5050

RUNWAY DECLARED DISTANCE INFORMATION

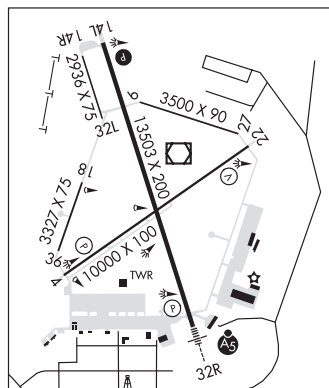
RWY 04: TORA-10000 TODA-10000 ASDA-10000 LDA-10000
RWY 09: TORA-3500 TODA-3500 ASDA-3500 LDA-3500
RWY 14L: TORA-13503 TODA-13503 ASDA-13503 LDA-13503
RWY 14R: TORA-2936 TODA-2936 ASDA-2936 LDA-2936
RWY 22: TORA-10000 TODA-10000 ASDA-10000 LDA-10000
RWY 27: TORA-3500 TODA-3500 ASDA-3500 LDA-3500
RWY 32L: TORA-2936 TODA-2936 ASDA-2936 LDA-2936
RWY 32R: TORA-13503 TODA-13503 ASDA-13492 LDA-13492

SERVICE: S4 FUEL 80, 100LL, JET A, A1+ 0X1 LGT Rwy 14L-32R NSTD HIRL lctd 50' from rwy edge markings.
 ACTIVATE MALSR Rwy 32R and PAPI Rwy 14L—CTAF.

AIRPORT REMARKS: Attended continuously. Rwy 09-27 CLOSED exc mil ops. Rwy 14R-32L is CLOSED to all ngt ops exc taxiing. Rwy 14L-32R is CLOSED nghts 0600-1400Z± exc for special mil ngt trng ops. Cold temperature restricted airport. Altitude correction required at or below -22C/-8F. Flocks of large birds invof arpt. Class IV, ARFF Index A. PPR for air carrier ops with more than 30 pax seats 0600-1400Z± or for additional ARFF index level svc call arpt mgr 509-762-5363/5304. Rwy 09-27 used as assault strip by C-17 acft. Rwy 09-27 and Twy F not visible from the twr. Twy G compass rose clsd. Rwy 18-36 avbl as air carrier twy movement area only. Rwy 09-27 mil ldg zone lgts only. No edge intensity lgtg. Rwy distance markers Rwy 14L-32R and Rwy 04-22. Rwy 14L-32R first 10,000' AER 32R grvd 150' wide. Twy G unlighted. Extensive heavy mil jet acft ngt training 1900 PM-0300 AM lcl daily. Announce ldg intentions on CTAF after twr clsd. Heavy jet trng sfc to 5000' within 25 miles of arpt, possible wake turbulence from larger acft using Rwy 14L-32R and Rwy 09-27. Mil tran acft rqr support at Grant Co Intl should ctc FBO for svc. Fairchild AFB detachment has no tran alert, fleet svc, crew transportation, acft parking, or comd and ctl svc for tran acft. Ldg fee.

AIRPORT MANAGER: 509-762-5363

WEATHER DATA SOURCES: ASOS (509) 762-5082 LAWRS.



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COMMUNICATIONS: CTAF 118.25 ATIS 119.05 UNICOM 122.95

MOSES LAKE RCO 122.4 (SEATTLE RADIO)

® GRANT COUNTY APP/DEP CON 126.4 (1400-0600Z‡)

SEATTLE CENTER APP/DEP CON 126.1 (0600-1400Z‡)

TOWER 128.0 (WEST) 118.25 (EAST) (1400-0600Z‡) GND CON 121.9

AIRSPACE: CLASS D svc 1400-0600Z‡ other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65' W119°19.01' at fld. 1193/18E.

PELLY NDB (MHW/LOM) 408 MW N47°06.94' W119°16.47' 324° 5.9 NM to fld. NDB unmonitored when ATCT clsd.

ILS 109.5 I-MWH Rwy 32R. Class IB. LOM PELLY NDB. ILS and COMLO unmonitored when ATCT clsd.

MOSES LAKE MUNI (W20) 2 NE UTC-8(-7DT) N47°08.52' W119°14.27'

SEATTLE

1203 B NOTAM FILE SEA

RWY 16-34: H2513X50 (ASPH) S-8 MIRL

RWY 16: PAPI(P2L)—GA 3.0°. Thld dsplcd 466'. Tree.

RWY 34: PAPI(P2L)—GA 3.0°. Thld dsplcd 253'. Rgt tfc.

SERVICE: S4

AIRPORT REMARKS: Unattended. Extv AG opr in progress. Bird haz. Ultraigl opr reqd to obtain arpt safety briefing from arpt mgnt prior to initial use of arpt.

AIRPORT MANAGER: 509-760-4470

COMMUNICATIONS: CTAF/UNICOM 123.0

MOSES LAKE N47°12.65' W119°19.01' NOTAM FILE MWH.

SEATTLE

(H) VORW/DME 115.0 MWH Chan 97 at Grant Co Intl. 1193/18E.

H-1C, L-13A

RCO 122.4 (SEATTLE RADIO)

MOUNT CONSTITUTION N48°40.79' W122°50.48'

SEATTLE

RCO 122.3 (SEATTLE RADIO)

L-1E

NOLLA N47°37.95' W122°23.37' NOTAM FILE BFI.

SEATTLE

NDB (LOM) 362 BF 130° 7.1 NM to Boeing Fld/King Co Intl.

L-1D

OAK HARBOR

AJ EISENBERG (OKH)(KOKH) 3 SW UTC-8(-7DT) N48°15.09' W122°40.42'

SEATTLE

193 B NOTAM FILE OKH

L-1E

RWY 07-25: H3265X25 (ASPH) S-5 LIRL(NSTD) 1.6% up E

IAP

RWY 07: Thld dsplcd 507'. Fence. Rgt tfc.

RWY 25: Tree.

SERVICE: S2 FUEL 100LL, MOGAS LGT Rwy 07-25 NSTD LIRL only

West 2620' rwy lgtd. ACTIVATE NSTD LIRL Rwy 07-25—CTAF.

AIRPORT REMARKS: Attended May Sat-Sun SR-SS, Jun-Sep Fri-Tue SR-SS,

Jun-Sep Wed-Thurs unattended, Oct Sat-Sun SR-SS. PPR for

Ultralights and Gliders ctc arpt mgr phone 360-929-6802 or

1-866-429-2132. Deer near all movement areas.

AIRPORT MANAGER: (360) 672-5677

WEATHER DATA SOURCES: AWOS-3 132.775 (360) 675-8431.

COMMUNICATIONS: CTAF/UNICOM 122.8 ATIS 134.15 (Thru Whidbey Island NAS/Ault Fld)

® WHIDBEY APP/DEP CON 118.2

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

PENN COVE (L) VORW/DME 117.2 CVV Chan 119 N48°14.68'

W122°43.47' 060° 2.1 NM to fld. 200/19E.

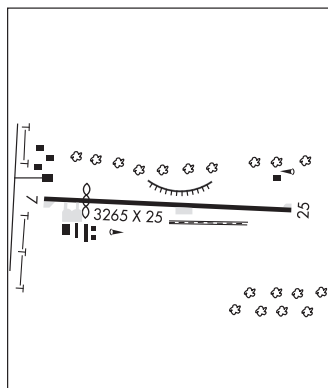
DME portion unusable:

126°-160° byd 30 NM blo 2,200'

250°-260° byd 30 NM blo 3,400'

330°-360° byd 30 NM blo 2,200'

ASR

**OCEAN SHORES** N47°00.49' W124°09.33'

SEATTLE

RCO 122.4 (SEATTLE RADIO)

L-1D

OCEAN SHORES MUNI (W04) 2 NE UTC-8(-7DT) N46°59.95' W124°08.54'

SEATTLE

15 B NOTAM FILE SEA

L-10

RWY 15-33: H3100X50 (ASPH) S-12.5 MIRL

RWY 15: PAPI(P2L)—GA 3.0° TCH 40'.

RWY 33: PAPI(P2L)—GA 3.0° TCH 40'. Trees. Rgt tfc.

SERVICE: LGT ACTIVATE MIRL Rwy 15-33 and PAPI Rwy 15 and Rwy 33—CTAF.

AIRPORT REMARKS: Unattended. Deer and birds on and invof arpt. Seabirds in safety and taxi areas and adjacent wetland. Rwy 15-33 has asph 50' wide with 12.5' grvl shoulders.

AIRPORT MANAGER: 360-581-2708

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE HQM.

HOQUIAM (H) VORTACW 117.7 HQM Chan 124 N46°56.82' W124°08.96' 346° 3.1 NM to fld. 10/19E. HIWAS.

ODESSA MUNI (43D) 1 N UTC-8(-7DT) N47°20.86' W118°40.64'

SEATTLE

1737 B NOTAM FILE SEA

L-13A

RWY 02-20: H3125X60 (ASPH) S-5 MIRL 0.6% up N

RWY 02: PAPI(P2L).

RWY 20: PAPI(P2L). Brush.

SERVICE: LGT ACTIVATE MIRL Rwy 02-20 and rotating bcn—122.8.

AIRPORT REMARKS: Unattended.

AIRPORT MANAGER: 509-660-3024

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRATA (H) VORTACW 112.6 EPH Chan 73 N47°22.68'

W119°25.44' 072° 30.5 NM to fld. 1250/21E.

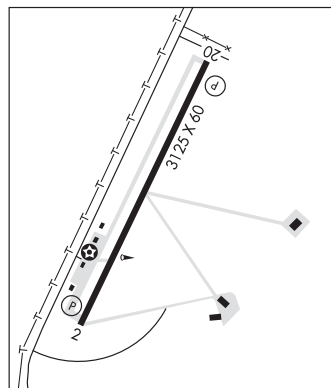
VOR unusable:

310°-350° byd 25 NM blo 6,500'

TACAN AZIMUTH & DME portion unusable:

280°-295° byd 25 NM blo 7,000'

310°-350° byd 25 NM blo 6,500'



OKANOGAN LEGION (S35) 1 E UTC-8(-7DT) N48°21.72' W119°34.05'

SEATTLE

1042 B NOTAM FILE SEA

RWY 04-22: H2533X36 (ASPH) S-6 MIRL

RWY 22: Hill. Rgt tfc.

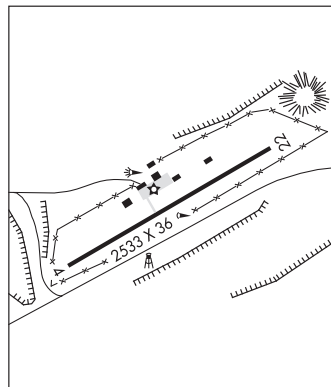
SERVICE: S2 FUEL 100LL LGT ACTIVATE MIRL Rwy 04-22 CTAF.

AIRPORT REMARKS: Unattended. Fuel, call 509-422-3600,

509-422-3071, 509-322-4710. 24 hr refueling. Down drafts over grvl pit 500' off thld Rwy 04.

AIRPORT MANAGER: (509) 422-3600

COMMUNICATIONS: CTAF/UNICOM 122.8



OLYMPIA

HOSKINS FLD (44T) 5 SE UTC-8(-7DT) N46°59.54' W122°49.67'

SEATTLE

213 NOTAM FILE SEA

RWY 07-25: 2015X116 (TURF) 0.5% up E

RWY 07: Trees.

RWY 25: Trees.

AIRPORT REMARKS: Unattended. No helicopters. No ultralights. NS ABTMT procedures in effect, call arpt mgr 360-491-6723. Geese and ducks on and in/ovf arpt. Recommend land Rwy 07, depart Rwy 25 when wind condition permits. Rwy 07-25 no line of sight btn rwy ends.

AIRPORT MANAGER: 360-491-6723

COMMUNICATIONS: CTAF 122.9

OLYMPIA RGNL (OLM)(KOLM) 4 S UTC-8(-7DT) N46°58.16' W122°54.15'

SEATTLE

208 B LRA NOTAM FILE OLM

H-1B, L-1D

RWY 17-35: H5500X150 (ASPH-GRVD) S-75, D-94, 2S-87, 2D-142

IAP AD

HIRL

RWY 17: MALSR. PAPI(P4L)—GA 3.0° TCH 54'.

RWY 35: REIL. PAPI(P4L)—GA 3.0° TCH 50'. Rgt ttc.

RWY 08-26: H4157X150 (ASPH) S-30

RWY 08: Trees. Rgt ttc.

RWY 26: Tree.

SERVICE: S4 **FUEL** 100LL, JET A **OX** 1, 3, 4 **LGT** PAPI Rwy 17 and Rwy 35 opr continuously. When twr clsd **ACTIVATE** HIRL Rwy 17-35, MALSR Rwy 17, REIL Rwy 35, twy lgts and directional signage—CTAF.

AIRPORT REMARKS: Attended 1600-0200Z†. Twy lgts on Twy A, Twy B, Twy L and Twy W.

AIRPORT MANAGER: 360-528-8074

WEATHER DATA SOURCES: ASOS 135.725 (360) 943-1278. HIWAS 113.4 OLM. SAWRS.

COMMUNICATIONS: CTAF 124.4 **ATIS** 135.725 **UNICOM** 122.95

Ⓡ SEATTLE APP/DEP CON 121.1

TOWER 124.4 (1600-0400Z†) **GND CON** 121.6

AIRSPACE: CLASS D svc 1600-0400Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.

(H) **VORTACW** 113.4 OLM Chan 81 N46°58.30' W122°54.11' at fld. 200/19E. **HIWAS.**

TACAN AZIMUTH & DME unusable:

223°-258° byd 20 NM blo 4,100'

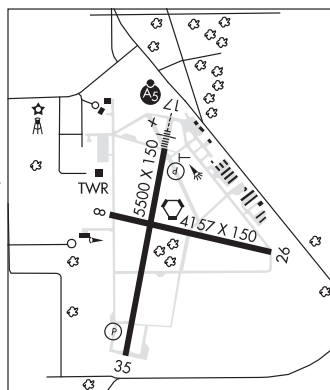
258°-283° byd 30 NM blo 4,100'

358°-043° byd 10 NM blo 6,000'

358°-043° byd 20 NM blo 7,000'

ILS 111.9 I-OLM Rwy 17. Unmonitored when ATCT closed. LOC unusable byd 25° rgt of course.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.



OMAK (OMK)(KOMK) 3 N UTC-8(-7DT) N48°27.87' W119°31.08'

SEATTLE

1305 B NOTAM FILE OMK

L-13A

RWY 17-35: H4667X150 (ASPH) S-75, D-200, 2D-400 HIRL

IAP

RWY 17: REIL. VASI(V2L)—GA 3.0° TCH 43'.

RWY 35: REIL. VASI(V2L)—GA 3.0° TCH 46'.

SERVICE: **FUEL** 100LL, JET A **LGT** **ACTIVATE** HIRL Rwy 17-35—CTAF.

AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs credit card. Cold temperature restricted airport. Altitude correction required at or below -13C/9F.

AIRPORT MANAGER: 509-826-1170

WEATHER DATA SOURCES: ASOS 118.325 (509) 826-2655.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.2 (SEATTLE RADIO)

SEATTLE CENTER APP/DEP CON 126.1

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRATA (H) **VORTACW** 112.6 EPH Chan 73 N47°22.68'

W119°25.44' 336° 65.3 NM to fld. 1250/21E.

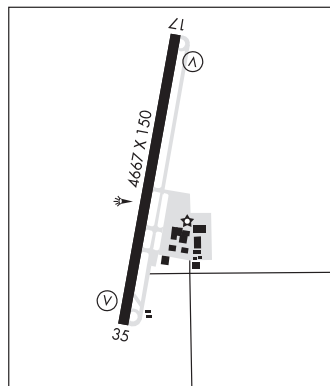
VOR unusable:

310°-350° byd 25 NM blo 6,500'

TACAN AZIMUTH & DME portion unusable:

280°-295° byd 25 NM blo 7,000'

310°-350° byd 25 NM blo 6,500'



ORCAS ISLAND (See EASTSOUND on page 177)

OROVILLE

DOROTHY SCOTT (ØS7) 2 NE UTC-8(-7DT) N48°57.54' W119°24.72'

SEATTLE

1064 B AOE NOTAM FILE SEA

L-13A

RWY 15-33: H4014X50 (ASPH) S-5 MIRL

RWY 15: PAPI(P2L)—GA 3.0' TCH 45'. Bldg. Rgt tfc.

RWY 33: Road.

SERVICE: S4 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 15-33—CTAF.

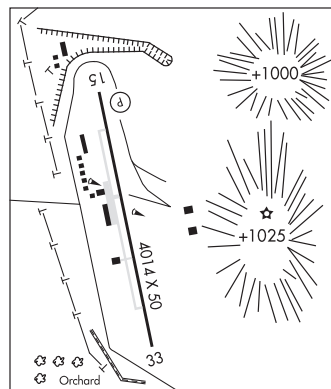
AIRPORT REMARKS: Attended dawn-dusk. On call for service, alternate number 509-322-2887. Wildlife adj to rwy and twy. Rwy 15-33 cracks in twy pavement. Cstms telephone 509-476-2955. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: (509) 560-0292

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65' W119°19.01' 340° 105.0 NM to fld. 1193/18E.



OTHELLO MUNI (S7Ø) 4 SE UTC-8(-7DT) N46°47.65' W119°04.81'

SEATTLE

1149 B NOTAM FILE SEA

L-13A

RWY 07-25: H4000X75 (ASPH) S-16 MIRL 0.3% up E

RWY 07: REIL. Road.

RWY 25: REIL. PAPI(P2L)—GA 3.3° TCH 30'. Road.

SERVICE: **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 07-25, REIL Rwy 07 and Rwy 25 and PAPI Rwy 25—CTAF.

AIRPORT REMARKS: Unattended. Irrigation pivot ocly oprs across extnd cntrl of Rwy 25. Aprx 750' byd rwy end dur growing season.

AIRPORT MANAGER: 509-760-3454

COMMUNICATIONS: CTAF 122.9

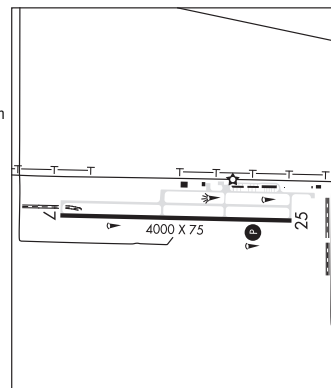
RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

PASCO (L) VORW/DME 109.8 PSC Chan 35 N46°16.22'

W119°07.04' 348° 31.5 NM to fld. 406/15E.

DME unusable:

160°-170° byd 30 NM



PACKWOOD (55S) 0 W UTC-8(-7DT) N46°36.25' W121°40.67'

SEATTLE

1057 B NOTAM FILE SEA

RWY 01-19: H2356X38 (ASPH) MIRL

RWY 01: Fence.

RWY 19: Trees.

SERVICE: **LGT** ACTIVATE bcu and MIRL Rwy 01-19—CTAF.

AIRPORT REMARKS: Unattended. Rwy 01-19 soft shoulders both sides, use rwy for back taxi.

AIRPORT MANAGER: 360-269-6727

COMMUNICATIONS: CTAF 122.9

PAGE (See WALLA WALLA on page 217)

PAINE N47°55.19' W122°16.67' NOTAM FILE PAE.

SEATTLE

(L) **VORW/DME** 110.6 PAE Chan 43 at Snohomish Co (Paine Fld). 679/20E.

H-1B, L-1D

RCO 122.55 (SEATTLE RADIO)

PANGBORN MEM (See WENATCHEE on page 219)

PARRK N47°31.94' W122°18.42' NOTAM FILE SEA.
NDB (M) 281 **HPK** at Boeing Fld/King Co Intl.

SEATTLE
H-1B, L-1D

PASCO

TRI-CITIES (PSC)(KPSC) 2 NW UTC-8(-7DT) N46°15.88' W119°07.14'
 410 **B** TPA—See Remarks Class I, ARFF Index B NOTAM FILE PSC

SEATTLE
H-1C, L-13A
IAP AD

RWY 03L-21R: H7711X150 (ASPH-GRVD) S-120, D-170, 2S-175,
 2D-320 **MIRL**

RWY 03L: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Tree.

RWY 21R: MALSR. PAPI(P4L)—GA 3.0° TCH 54'. RVR-T Thld dsplcd
 600'. Pole. Rgt ttc.

RWY 12-30: H7703X150 (ASPH-GRVD) S-150, D-200, 2S-175,
 2D-400 **MIRL**

RWY 12: REIL. VASI(V4L)—GA 3.0° TCH 54'.

RWY 30: ODALS. PAPI(P4L)—GA 3.0° TCH 54'. Thld dsplcd 200'. Tree.

RWY 03R-21L: H4423X75 (ASPH) S-52, D-85, 2S-108, 2D-150

RWY 03R: Rgt ttc.

RWY 21L: Tower.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03L:TORA-7711 TODA-7711 ASDA-7711 LDA-7711

RWY 03R:TORA-4423 TODA-4423 ASDA-4423 LDA-4423

RWY 12: TORA-7703 TODA-7703 ASDA-7503 LDA-7503

RWY 21L:TORA-4423 TODA-4423 ASDA-4423 LDA-4423

RWY 21R:TORA-7711 TODA-7711 ASDA-7711 LDA-7711

RWY 30: TORA-7703 TODA-7703 ASDA-7703 LDA-7503

SERVICE: S4 **FUEL** 100LL, JET A1+ **QX2** **LGT** When twr clsd **HIRL**

Rwy 03L-21R and MIRL Rwy 12-30 preset on low intensity to increase intensity and **ACTIVATE** MALSR Rwy 21R and ODALS Rwy 30—CTAF.

AIRPORT REMARKS: Attended 1600-0400Z†. After hrs fuel call 509-547-6271 or 509-545-5524. Call out fee. Fuel 24 hour credit card svc avbl. Rwy 03R-21L sfc cracking. Waterfowl on and in vicinity of arpt spring and fall. PPR to unscheduled air carrier ops with more than 30 passenger seat call arpt manager 509-547-6352. TPA—1910(1500) turbine powered acft, all others 1410(1000). Rwy 21L and Rwy 03R not avbl as movement area for air carrier acft with more than 9 passenger seats or greater for ldg and tkt. Rwy 03R-21L is avbl for air carrier acft for taxiing during dalgt and VFR conditions only.

AIRPORT MANAGER: 509-547-6352

WEATHER DATA SOURCES: ASOS (509) 547-7379 LAWRS SAWRS.

COMMUNICATIONS: CTAF 135.3 **ATIS** 125.65 **UNICOM** 122.95

JUMP-OFF-JOE RCO 122.4 (SEATTLE RADIO)

® **CHINOOK APP/DEP CON** 128.75 (N & W) 133.15 (S & E) (1400-0600Z†)

® **SEATTLE CENTER APP/DEP CON** 132.6 (0600-1400Z†)

TOWER 135.3 (1400-0600Z†) **GND CON** 121.8 **CLNC DEL** 120.0

AIRSPACE: CLASS D svc 1400-0600Z† other times CLASS E.

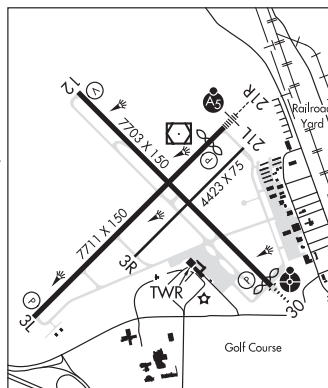
RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

PASCO (L) VORW/DME 109.8 **PSC** Chan 35 N46°16.22' W119°07.04' at fld. 406/15E.

DME unusable:

160°-170° byd 30 NM

ILS/DME 108.7 **I-PSC** Chan 24 Rwy 21R. Class IE. Unmonitored when ATCT closed.



PEARSON FLD (See VANCOUVER on page 216)

PELLY N47°06.94' W119°16.47' NOTAM FILE MWH.
NDB (MHW/LDM) 408 **MW** 324° 5.9 NM to Grant Co Intl. NDB unmonitored when ATCT clsd.

SEATTLE
L-13A

PENN COVE N48°14.68' W122°43.47' NOTAM FILE SEA.
(L) VORW/DME 117.2 **CVV** Chan 119 060° 2.1 NM to Aj Eisenberg. 200/19E.

SEATTLE
L-1E

DME portion unusable:

126°-160° byd 30 NM blo 2,200'

250°-260° byd 30 NM blo 3,400'

330°-360° byd 30 NM blo 2,200'

PIERCE CO — THUN FLD (See PUYALLUP on page 200)

POINT ROBERTS AIRPARK (1RL) 1 SW UTC-8(-7DT) N48°58.63' W123°04.75'

SEATTLE

11 NOTAM FILE SEA

RWY 16-34: 2265X125 (TURF)

RWY 16: Trees. Rgt tfc.

RWY 34: Brush.

AIRPORT REMARKS: Attended Mon-Fri 1700-0100Z±. When able land to the north and depart to the south. Tfc pat west of fld over water. NS ABTMT procedures in effect, ctc arpt mgr for details at 360-945-2962. TKF to the south, 15 degrees right turn for NS ABTMT. TKF to the north, turn 30 degrees west as soon as possible. Rwy edges marked with orange cones. Ldg fee.

AIRPORT MANAGER: (360) 945-2962

COMMUNICATIONS: CTAF/UNICOM 122.8

COMM/NAV/WEATHER REMARKS: Boundary Bay (CZBB) ATIS available, 121.9 or 1-877-517-2847.

PORT ANGELES

WILLIAM R FAIRCHILD INTL (CLM)(KCLM) 3 NW UTC-8(-7DT) N48°07.21' W123°29.98'

SEATTLE

291 B LRA NOTAM FILE CLM

H-1B, L-1E

RWY 08-26: H6347X150 (ASPH-GRVD) S-55, D-66, 2S-83, 2D-115

IAP

MIRL

RWY 08: MALSR. VASI(V4L)—GA 3.0° TCH 50'. Trees.

RWY 26: REIL. PAPI(P2L)—GA 3.7° TCH 50'. Thld dspcd 1354'.

Antenna. Rgt tfc.

RWY 13-31: H3245X50 (ASPH) S-30 1.4% up SE

RWY 13: Trees.

RWY 31: Trees. Rgt tfc.

SERVICE: S4 **FUEL** 100LL, JET A **LGT** PAPI Rwy 26 unusable byd 8 deg left of centerline. **ACTIVATE** MIRL Rwy 08-26 and MALSR Rwy 08—CTAF.

AIRPORT REMARKS: Attended 1700-0330Z±. For after hours Jet A call 360-452-6226. Rwy 13-31 CLOSED dusk to dawn. No air carrier ops. Arpt surrendered arpt opr certificate 12/9/05. Waterfowl and birds on and infov arpt.

AIRPORT MANAGER: (360) 417-3363

WEATHER DATA SOURCES: ASOS 135.175 (360) 457-1070.

COMMUNICATIONS: CTAF/UNICOM 122.975

PORT ANGELES RCO 122.6 (SEATTLE RADIO)

® **WHIDBEY APP/DEP CON** 118.2

CLNC DEL 124.15

AIRSPACE: CLASS E svc 1300-0730Z± other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17.99' W124°37.62' 081° 46.5 NM to fld. 1650/22E.

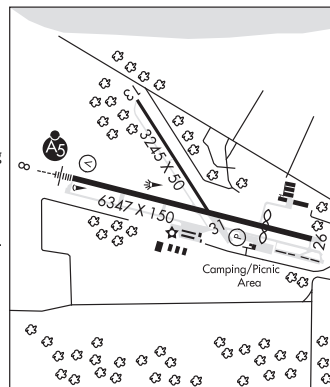
HIWAS.

ELWHA NDB (MHW/LOM) 515 CL N48°09.01' W123°40.22' 089° 7.1 NM to fld. NOTAM FILE CLM.

NDB unusable:

100°-235° byd 12 NM

ILS 108.9 I-CLM Rwy 08. Class IA. LOM ELWHA NDB. NDB/LOM unusable 100°-235° beyond 12 NM. Localizer unusable inside threshold. Unmonitored.



PORT ANGELES N48°06.99' W123°29.13'

SEATTLE

RCO 122.6 (SEATTLE RADIO)

L-1E

PORT ANGELES CGAS (NOW)(KNOW) CG 2 N UTC-8(-7DT) N48°08.48' W123°24.84'

SEATTLE

13 B NOTAM FILE SEA Not insp.

L-1E

RWY 08-26: H4500X150 (ASPH) PCN 15 F/B/W/T MIRL

IAP, DIAP

SERVICE: **MILITARY—** JASU 1(MD-3) **FUEL** J8 - Avbl to SAR and CG msn only. **TRAN ALERT** Tran acft arr btn 1500-0000Z only. Ctc Port Angeles Air on 345.0 or 127.7 15 min prior to ldg. Tran qtrs not avbl.

MILITARY REMARKS: Birds on rwy all yr. Bldgs as close as 126' from rwy cntrln. **RSTD CLOSED** to non-CG/tran acft without 24 hr PPR C360-417-5840. 24 hr PPR for all tran acft. **CAUTION** 150' twr 75 yards S of rwy, marked by strobe lgt.

AIRPORT MANAGER: 206-457-4401

WEATHER DATA SOURCES: AWOS-3P 118.325 (360) 457-7529.

COMMUNICATIONS: CTAF/UNICOM 122.975

WHIDBEY APP/DEP 118.2 285.65 CLNC DEL 124.15

PORT ANGELES AIR 127.7 345.0

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

EDIZ HOOK NDB (MHW) 338 K N48°08.39' W123°24.20' at fld.

NDB unusable:

120°-190° byd 10 NM

190°-120° byd 15 NM

COMM/NAV/WEATHER REMARKS: Advsy info avbl at Port Angeles Air on PN, other CG frequencies avbl on req.

• • • • •
HELIPAD H1: H100X100 (ASPH) LIRL

PORT OF ILWACO (See ILWACO on page 184)

PORT OF POULSBO MARINA MOORAGE SPB (See POULSBO on page 198)

PORT OF WHITMAN BUSINESS AIR CENTER (See COLFAX on page 174)

PORT TOWNSEND

JEFFERSON CO INTL (ØS9) 6 SW UTC-8(-7DT) N48°03.23' W122°48.64'

SEATTLE

110 B TPA-1000(890) AOE NOTAM FILE SEA

L-1D

RWY 09-27: H3000X75 (ASPH) S-12.5 MIRL

IAP

RWY 09: REIL. PAPI(P2L)-GA 4.25° TCH 43'. Trees. Rgt tfc.

RWY 27: REIL. PAPI(P2R)-GA 4.25° TCH 42'. Tree.

SERVICE: S4 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 09-27-CTAF.

AIRPORT REMARKS: Attended 1700-0200Z. 100LL fuel avbl 24 hrs with credit card. No cash sales. NS ABTMT procedures in effect ctc arpt mgr 360-385-0656. Tkf and ldg prohibited on turf next to rwy. PAPI Rwy 09 are baffled byd 6.5° left of rwy cntrln due to terrain. PAPI Rwy 27 are baffled byd 6.5° rgt of rwy cntrln due to terrain.

AIRPORT MANAGER: 360-385-0656

WEATHER DATA SOURCES: AWOS-3P 119.025 (360) 379-1199.

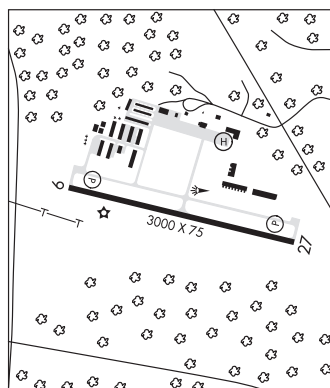
COMMUNICATIONS: CTAF/UNICOM 123.0

APP/DEP CON 118.2

RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAE Chan 43 N47°55.19'

W122°16.67' 271° 22.9 NM to fld. 679/20E.



POULSBO

PORT OF POULSBO MARINA MOORAGE SPB (83Q) 0 N UTC-8(-7DT) N47°43.26' W122°38.53'

SEATTLE

00 NOTAM FILE SEA

WATERWAY 13-31: 12000X4000 (WATER)

SEAPLANE REMARKS: Attended 1600-0000Z. Dock closed 3rd weekend in May and July 3rd. Dock not accessible during -2' or greater low tides. Orange buoy 100' SW of tran dock marks low tide rocks.

AIRPORT MANAGER: 360-779-9905

COMMUNICATIONS: CTAF 122.9

PROSSER (S4Ø) 1 NW UTC-8(-7DT) N46°12.80' W119°47.73'
705 B TPA-1505(800) NOTAM FILE SEA

SEATTLE
L-13A

RWY 08-26: H3451X60 (ASPH) S-16 MIRL 0.6% up W

RWY 08: REIL. PAPI(P2R)—GA 3.0° TCH 20'. Trees.

RWY 26: REIL. PAPI(P2L)—GA 4.0° TCH 26'. Rgt tfc.

SERVICE: S4 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 08-26 and REIL Rwy 08 and Rwy 26—CTAF.

AIRPORT REMARKS: Attended 1700-0100Z†. Twys marked for ngt ops with retro-reflective devices.

AIRPORT MANAGER: 509-375-3060

WEATHER DATA SOURCES: AWOS-1 121.125 (509) 786-8889.

COMMUNICATIONS: CTAF/UNICOM 122.8

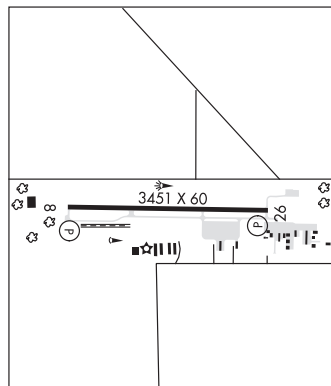
RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

PASCO (L) VORW/DME 109.8 PSC Chan 35 N46°16.22'

W119°07.04' 248° 28.5 NM to fld. 406/15E.

DME unusable:

160°-170° byd 30 NM



PRU FLD (See RITZVILLE on page 203)

PULLMAN/MOSCOW,ID

PULLMAN/MOSCOW RGNL (PUWJ)(KPUW) 3 NE UTC-8(-7DT) N46°44.63' W117°06.58'
2555 B Class I, ARFF Index B NOTAM FILE PUW

SEATTLE
H-1C, L-13B
IAP

RWY 06-24: H6730X100 (ASPH-GRVD) S-57, D-75, 2S-95, 2D-135

HIRL

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 68'. Thld dsplcd 291'. Fence.

RWY 24: REIL. PAPI(P4L)—GA 4.0° TCH 57'. Thld dsplcd 801'.

Ground.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 06: TORA-6730 TODA-6730 ASDA-6490 LDA-6200

RWY 24: TORA-6730 TODA-6730 ASDA-6040 LDA-5240

SERVICE: S4 **FUEL** 100LL, JET A **LGT** ACTIVATE HIRL Rwy 06-24, and REIL Rwy 06 and Rwy 24—CTAF.

AIRPORT REMARKS: Attended 1600-0200Z†. CLOSED to unscheduled air carrier ops with more than 30 pax seats exc PPR call arpt mgr 509-338-3223. Parachute Jumping. Non-paved areas soft. Acft must delay taxiing and remain behind the intermediate holding position line when large acft ops are in progress. No parking between rwy and twy and within 30' of twy to the northwest. Ldg fee for all coml acft and all itinerant acft over 7,000 lbs.

AIRPORT MANAGER: 509-338-3223

WEATHER DATA SOURCES: ASOS 135.675 (509) 334-3222. HIWAS 109.0 PUW.

COMMUNICATIONS: CTAF/UNICOM 122.8

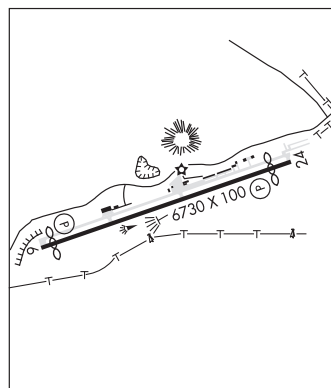
RCO 122.6 (SEATTLE RADIO)

SEATTLE CENTER APP/DEP CON 123.95

AIRSPACE: CLASS E svc 1400-0600Z† Mon-Fri, 1700-0000Z† Sat, 1900-0600Z† Sun, other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE PUW.

(L) VORW/DME 109.0 PUW Chan 27 N46°40.45' W117°13.41' 028° 6.3 NM to fld. 2772/20E. HIWAS. DME unmonitored.



PUYALLUP

PIERCE CO — THUN FLD (PLU)(KPLU) 5 S UTC-8(-7DT) N47°06.24' W122°17.23'

SEATTLE

538 B TPA—1538(1000) NOTAM FILE PLU

L-1D

RWY 17-35: H3650X60 (ASPH) MIRL

IAP

RWY 17: REIL. PAPI(P4L)—GA 4.0° TCH 53'. Trees.

RWY 35: REIL. PAPI(P4R)—GA 4.0° TCH 53'. Road.

SERVICE: S4 **FUEL** 100LL **OX 4** **LGT** ACTIVATE MIRL Rwy 17-35, PAPI Rwy 17 and Rwy 35, and REIL Rwy 17 and Rwy 35—CTAF.

AIRPORT REMARKS: Attended 1600Z†-dusk. Fuel avbl 24 hrs with credit card.

Ultralights prohibited. Noise sensitive all quadrants.

AIRPORT MANAGER: 253-841-3779

WEATHER DATA SOURCES: AWOS-3 128.575 (253) 848-2748.

COMMUNICATIONS: CTAF/UNICOM 122.7

SEATTLE APP/DEP CON 126.5

CLNC DEL 121.85

RADIO AIDS TO NAVIGATION: NOTAM FILE TCM.

MCCHORD (T) VORTAC 109.6 TCM Chan 33 N47°08.86'

W122°28.50' 094° 8.1 NM to fld. 283/15E.

VORTAC No NOTAM MP 0800-1700Z† and 2100-2300Z† Wed

VOR unusable:

033°-043° byd 12 NM blo 8,500'

043°-063° byd 12 NM

063°-076° byd 19 NM

076°-082° byd 19 NM blo 8,000'

076°-082° byd 24 NM blo 10,000'

142°-153° byd 12 NM

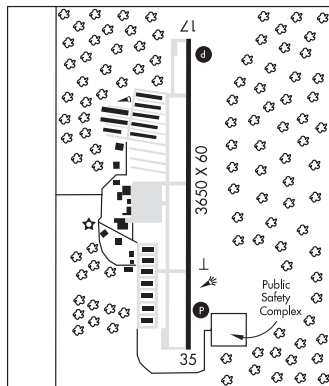
153°-163° byd 12 NM blo 5,800'

207°-277° byd 12 NM

307°-082° byd 10 NM blo 8,000'

307°-347° byd 12 NM

347°-033° byd 19 NM



QUILLAYUTE (UIL)(KUIL) 0 SW UTC-8(-7DT) N47°56.20' W124°33.76'

SEATTLE

193 NOTAM FILE UIL

L-1D

RWY 04-22: H4210X100 (CONC) S-30, D-50 0.4% up NE

RWY 04: Trees.

RWY 22: Thld dsplcd 800'. Trees.

AIRPORT REMARKS: Unattended. Pedestrians, veh and animals on and invof rwy.

AIRPORT MANAGER: 360-374-5412

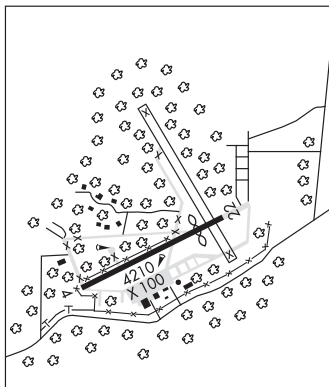
WEATHER DATA SOURCES: ASOS 135.225 (360) 374-9731.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17.99'

W124°37.62' 151° 22.0 NM to fld. 1650/22E. **HIWAS.**



QUINCY MUNI (80T) 2 SE UTC-8(-7DT) N47°12.70' W119°50.39'

1271 B NOTAM FILE SEA

RWY 09-27: H3660X50 (ASPH-AFSC) MIRL 0.3% up W

RWY 09: Road.

RWY 27: Thld dsplcd 200'. Road.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 09: TORA-3460 TODA-3460 ASDA-3660 LDA-3660

RWY 27: TORA-3660 TODA-3660 ASDA-3460 LDA-3460

AIRPORT REMARKS: Unattended.

AIRPORT MANAGER: 509-787-3715

COMMUNICATIONS: CTAF 122.9

® **GRANT COUNT APP/DEP CON** 126.4 (1400-0600Z±)

® **SEATTLE CENTER APP/DEP CON** 126.1 (0600-1400Z±)

RADIO AIDS TO NAVIGATION: NOTAM FILE EAT.

WENATCHEE (L) VORW/DME 111.0 EAT Chan 47 N47°23.98' W120°12.65' 108° 18.9 NM to fld. 1224/19E.

VOR/DME unusable:

073°-118° byd 25 NM blo 5,500'

118°-153° byd 15 NM blo 14,500'

153°-243° byd 15 NM

243°-263° byd 35 NM blo 12,000'

290°-303° byd 14 NM blo 7,900'

303°-073° byd 20 NM

SEATTLE

L-13A

R & K SKYRANCH (See ROCHESTER on page 204)

RANGER CREEK (See GREENWATER on page 183)

RENTON

RENTON MUNI (RNT)(KRNT) 0 NW UTC-8(-7DT) N47°29.59' W122°12.95'

32 B TPA—See Remarks LRA NOTAM FILE RNT

RWY 16-34: H5382X200 (ASPH-CONC-GRVD) S-100, D-130, 2D-340 MIRL(NSTD)

RWY 16: REIL. PAPI(P2L)—GA 3.0° TCH 44'. Thld dsplcd 300'. Trees.

RWY 34: REIL. PAPI(P2L)—GA 3.75° TCH 59'. Thld dsplcd 340'.

Road. Rgt ttc.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 16: TORA-5382 TODA-5382 ASDA-5042 LDA-4742

RWY 34: TORA-5382 TODA-5382 ASDA-5082 LDA-4742

SERVICE: S4 **FUEL** 100LL, JET A1+ **OX** 1, 2, 3, 4 **LGT** Rwy 16-34
NSTD MIRL, 340' southwest end unlgtd. ACTIVATE MIRL Rwy 16-34,
REIL Rwy 16 and Rwy 34 and twy lgts—CTAF.

AIRPORT REMARKS: Attended 1500Z±-Dusk. Acft rgrg svcs ctc 122.85 or 122.95. Numerous flocks of birds invof arpt and along Lake Washington shoreline at all times. Rwy 34 12' blast fence 155' from EOR. Be alert for Boeing production acft being towed across the rwy dur hrs twr clsd. Spb northwest corner of arpt. TPA-1032(1000). TPA West of the fld is 1218' AGL due to terrain immediately west of the arpt. West twy clsd to acft with wing span 118' or over. Twy B btn Twy B3 and Twy B5 clsd to acft with wing span 50' or over. NS ABTMT procedures in effect ctc arpt mgr 425-430-7471. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: (425) 430-7477

WEATHER DATA SOURCES: ASOS (425) 255-6080 LAWRS.

COMMUNICATIONS: CTAF 124.7 ATIS 126.95 UNICOM 122.95

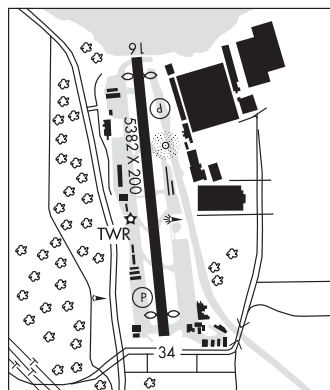
® **SEATTLE APP/DEP CON** 119.2 (076°-160° Rwy 16) (341°-075°) 120.1 (199°-300°) 120.4. (301°-340° Rwy 34) 125.9 (076°-160° Rwy 34) (301°-340° Rwy 16) 126.5 (161°-198°)

TOWER 124.7 (Oct 1-Apr 30 1500-0400Z±, May 1-Sept 30 1500-0500Z±) **GND CON** 121.6

SEATTLE

H-1B, L-1D

IAP, AD



CONTINUED ON NEXT PAGE

CONTINUED FROM PRECEDING PAGE

AIRSPACE: CLASS D svc 1500–0400Z† Oct 1 thru Apr 30, 1500–0500Z† May 1 thru Sep 30, other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

SEATTLE (H) VORTACW 116.8 SEA Chan 115 N47°26.12' W122°18.58' 029° 5.2 NM to fld. 354/19E.

VOR portion unusable:

008°–023° byd 20 NM blo 3,500'
 008°–023° byd 30 NM blo 4,100'
 233°–273° byd 20 NM blo 8,000'
 233°–273° byd 30 NM blo 10,000'
 233°–273° byd 35 NM blo 11,000'
 233°–273° byd 8 NM blo 5,500'
 303°–333° byd 20 NM blo 2,900'
 303°–333° byd 30 NM blo 4,000'
 333°–353° byd 15 NM blo 3,500'
 353°–008° byd 20 NM blo 2,900'
 TACAN antenna offset 150' on 300 radial.

TACAN AZIMUTH & DME unusable:

008°–028° byd 20 NM blo 4,500'
 008°–028° byd 30 NM blo 7,000'
 203°–253° byd 27 NM
 303°–008° byd 30 NM blo 3,500'

TACAN AZIMUTH unusable:

008°–163°
 173°–293°

NDB (MHW) 353 RNT N47°29.73' W122°12.88' at fld. NOTAM FILE RNT.

NDB unusable:

055°–090° byd 20 NM blo 7,000'

COMM/NAV/WEATHER REMARKS: Emerg freq 121.5 not avbl at twr.

WILL ROGERS WILEY POST MEM SPB (W36) 1 N UTC–8(–7DT) N47°29.99' W122°13.16'

SEATTLE

14 LRA NOTAM FILE RNT

WATERWAY 12–30: 5000X200 (WATER)

WATERWAY 12: Rgt tfc.

SERVICE: S4 FUEL 100LL, JET A, A1+ OX 1, 2, 3, 4

SEAPLANE REMARKS: Attended 1500Z†–Dusk. Ctc Renton twr when opr, for tfc data. When twr not opr announce intentions on 124.7. When flying inbd or outbd in the west channel waterway above 800' AGL ctc Boeing twr freq 118.3 for tfc advisories. Flocks of waterfowl in vcnty, be alert ldfs and tkfs. Water depths vary at docks and seaplane launch ramp. Use caution for localized shoaling. Extv boating and personal watercraft in vcnty. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: (425) 430-7477

COMMUNICATIONS: CTAF 124.7 UNICOM 122.8

REPUBLIC

FERRY CO (R49) 6 NE UTC–8(–7DT) N48°43.09' W118°39.39'

SEATTLE

2522 B TPA—3322(800) NOTAM FILE SEA

L–13A

RWY 17–35: H3498X60 (ASPH) MIRL

RWY 17: REIL. Tree. Rgt tfc.

RWY 35: REIL. VASI(V2L)—GA 4.0° TCH 23'. Trees.

SERVICE: LGT ACTIVATE MIRL Rwy 17–35 and VASI Rwy 35, REIL Rwy 17 and Rwy 35—122.8.

AIRPORT REMARKS: Unattended. Suggest ngt ldfs be made on Rwy 35. Rwy 17–35 trees located on unlgtd unmarked mountainous terrain. P–lines NE of Rwy 17 lgtd dusk–dawn.

AIRPORT MANAGER: 509-775-3939

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRATA (H) VORTACW 112.6 EPH Chan 73 N47°22.68' W119°25.44' 360° 86.2 NM to fld. 1250/21E.

VOR unusable:

310°–350° byd 25 NM blo 6,500'

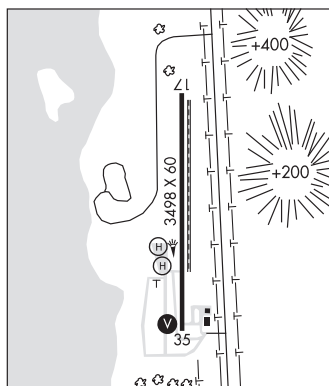
TACAN AZIMUTH & DME portion unusable:

280°–295° byd 25 NM blo 7,000'
 310°–350° byd 25 NM blo 6,500'

• • • • • • • • • •

HELIPAD H1: H20X20 (CONC)

HELIPAD H2: H20X20 (CONC)



RICHLAND (RLD)(KRLD) 2 NW UTC-8(-7DT) N46°18.34' W119°18.25'

394 B TPA—1194(800) NOTAM FILE SEA

RWY 01-19: H4009X75 (ASPH) S-30, D-45, 2D-70 MIRL

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 30'. Antenna.

RWY 19: MALS. REIL. PAPI(P2L)—GA 3.0° TCH 30'. Pole. Rgt tfc.

RWY 08-26: H4001X100 (ASPH) S-30, D-45, 2D-70 MIRL

RWY 08: ODALS. PAPI(P2L)—GA 3.0° TCH 40'. Ground.

RWY 26: VASI(V4L)—GA 3.0° TCH 52'. Railroad. Rgt tfc.

SERVICE: S2 **FUEL** 100LL, JET A **LGT** VASI Rwy 26 and PAPI Rwy 01, Rwy 08 and Rwy 19 opr 24 hrs. **ACTIVATE** MIRL Rwy 01-19, REIL Rwy 01 and Rwy 19, MALS Rwy 19 and ODALS Rwy 08—CTAF.

AIRPORT REMARKS: Attended 1600-0200Z† Cold temperature restricted airport. Altitude correction required at or below -19C/-2F. Preferred Rwy 01-19 in calm wind conditions. Road 550' west of AER 08.

AIRPORT MANAGER: 509-375-3060

WEATHER DATA SOURCES: AWOS-3PT 132.675 (509) 375-4247.

COMMUNICATIONS: CTAF/UNICOM 122.7

Ⓡ **CHINOOK APP/DEP CON** 128.75 (1400-0600Z†)

Ⓡ **SEATTLE CENTER APP/DEP CON** 132.6 (0600-1400Z†)

SEATTLE CLNC DEL 122.4

RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

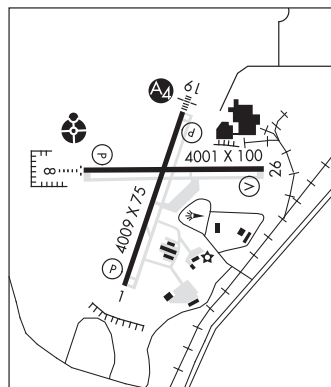
PASCO (L) VORW/DME 109.8 PSC Chan 35 N46°16.22'

W119°07.04' 270° 8.1 NM to fld. 406/15E.

DME unusable:

160°-170° byd 30 NM

LOC/DME 110.5 I-RLD Chan 42 Rwy 19. LOC and LOM unmonitored when PASCO ATCT clsd.



SEATTLE

L-13A

IAP

RIMROCK

TIETON STATE (4S6) 2 S UTC-8(-7DT) N46°38.25' W121°07.44'

2964 NOTAM FILE SEA

RWY 02-20: 2509X100 (TURF)

RWY 02: Trees.

RWY 20: Trees.

AIRPORT REMARKS: Unattended. Clsd 1 Oct-1 June exc for approved mil and public safety/law enforcement helicopter ops. Be alert, arpt winter recreation activities during arpt clsd periods. Mil, low apch only during clsd periods. Mountainous terrain surrounds arpt. Rwy 02 obstructed by mountains at 1000'. Rwy 20 obstructed by mountains at 1000'. Vehicles, pedestrians, and animals on and in/ov arpt. Rwy 02-20 sfc grass and small grvl. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Rwy marked with reflectors during dates arpt is open.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: CTAF 122.9

SEATTLE

RITZVILLE

PRU FLD (33S) 1 W UTC-8(-7DT) N47°07.41' W118°23.36'

1801 B NOTAM FILE SEA

RWY 01-19: H3433X40 (ASPH) S-12.5 MIRL

RWY 01: PAPI(P2L)—GA 4.0° TCH 40'. P-line.

RWY 19: PAPI(P2R)—GA 3.5° TCH 45'. Thld dsplcd 820'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 01: TORA-2614 TODA-2614 ASDA-3433 LDA-3433

RWY 19: TORA-3433 TODA-3433 ASDA-3433 LDA-2614

SERVICE: **LGT** ACTIVATE MIRL Rwy 01-19 and PAPI Rwy 01 and Rwy 19—CTAF.

AIRPORT REMARKS: Unattended. Arpt clsd when snow and ice on rwy.

AIRPORT MANAGER: 509-659-1930

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90'

W117°37.61' 209° 40.9 NM to fld. 2756/21E. **HIWAS.**

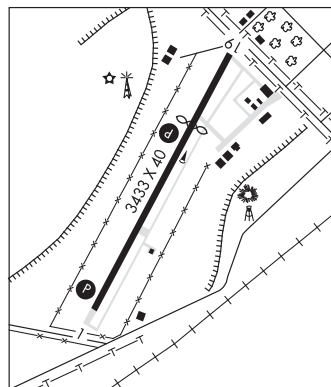
VOR portion unusable:

300°-330° byd 30 NM blo 9,000'

335°-360° byd 18 NM blo 7,000'

335°-360° byd 25 NM

360°-015° byd 26 NM blo 7,000'



SEATTLE

L-13A

ROCHE HARBOR SPB (W39) 0 SW UTC-8(-7DT) N48°36.49' W123°09.58' SEATTLE
 00 NOTAM FILE SEA
WATERWAY NE-SW: 5000X1000 (WATER)
WATERWAY NW-SE: 2500X500 (WATER)
SEAPLANE REMARKS: Unattended. Call ahead for moorage and ldg instructions 800-586-3590. Call ahead to make cstms appointment 360-378-2080. Boats in ldg areas and in docking area.
AIRPORT MANAGER: (360) 317-6167
COMMUNICATIONS: CTAF 128.25

ROCHESTER

R & K SKYRANCH (8W9) 1 N UTC-8(-7DT) N46°49.96' W123°05.49' SEATTLE
 149 TPA-999(850) NOTAM FILE SEA
RWY 16-34: 2480X35 (TURF)
RWY 16: Thld dsplcd 700'. Trees.
RWY 34: Thld dsplcd 327'. Fence.
AIRPORT REMARKS: Unattended. Arpt CLOSED except PPR call arpt manager 360-747-7079. No touch and go landings. Rwy 16-34 marked with reflectors. Rwy 16 first 1100' has shrubs and 70' + trees approximately 15' from rwy edges.
AIRPORT MANAGER: (253) 405-0133
COMMUNICATIONS: CTAF/UNICOM 123.0

ROGERSBURG (See ANATONE on page 166)

ROSALIA MUNI (72S) 2 W UTC-8(-7DT) N47°14.19' W117°25.28' SEATTLE
 2170 B NOTAM FILE SEA
RWY 02-20: H2807X45 (ASPH) S-15.5 MIRL
RWY 02: Thld dsplcd 165'. Tree.
RWY 20: PAPI(P2L)—GA 4.5°. Thld dsplcd 137'. Road.
RUNWAY DECLARED DISTANCE INFORMATION
RWY 02: TORA-2807 TODA-2807 ASDA-2670 LDA-2505
RWY 20: TORA-2807 TODA-2807 ASDA-2642 LDA-2505
SERVICE: FUEL 100LL LGT PAPI Rwy 20 opr continuously. ACTIVATE MIRL Rwy 02-20-122.8.
AIRPORT REMARKS: Unattended. Rwy 02-20 twy reflectors, not twy lgts. Rotating bcn OTS indef.
AIRPORT MANAGER: 509-523-3498
COMMUNICATIONS: CTAF 122.9

ROSARIO SPB (W49) 0 S UTC-8(-7DT) N48°38.74' W122°52.08' SEATTLE
 00 NOTAM FILE SEA
WATERWAY 16-34: 10000X1000 (WATER)
WATERWAY 16: Hill.
WATERWAY 07-25: 2500X1000 (WATER)
WATERWAY 07: Hill.
WATERWAY 25: Hill.
SEAPLANE REMARKS: Attended dalgt hrs. Tran dock avbl.
AIRPORT MANAGER: 360-376-2222
COMMUNICATIONS: CTAF 128.25

SAND CANYON (See CHEWELAH on page 172)

SANDERSON FLD (See SHELTON on page 209)

SEATTLE

BOEING FLD/KING CO INTL (BFI)(KBFI) 4 S UTC-8(-7DT) N47°31.80' W122°18.12'

21 B TPA—See Remarks AOE Class IV, ARFF Index A NOTAM FILE BFI

RWY 13R-31L: H10000X200 (ASPH-GRVD) S-100, D-160, 2S-175,

2D-340 HIRL

RWY 13R: MALSF. PAPI(P4L)—GA 3.0° TCH 75'. RVR-T Fence. Rgt ttc.

RWY 31L: REIL. PAPI(P4L)—GA 3.1° TCH 66'. Thld dspcd 880'.

Railroad.

RWY 13L-31R: H3710X100 (ASPH-GRVD) S-35, D-60 MIRL

RWY 13L: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Thld dspcd 250'.

RWY 31R: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Thld dspcd 375'. Tree. Rgt ttc.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 13R: TORA-10000 TODA-10000 ASDA-9120 LDA-9120

RWY 31L: TORA-10000 TODA-10000 ASDA-10000 LDA-9120

SERVICE: S4 FUEL 100LL, JET A QX 1, 2, 3, 4 LGT HIRL Rwy

13R-31L open dusk-dawn. MIRL Rwy 13L-31R not opr

0600-1500Z†.

AIRPORT REMARKS: Attended continuously. Bird flocks within arpt vcnty,

check lcl advisories. Rwy 13L-31R not avbl for air carrier ops. Rwy

13L-31R ltd to use by acft up to 12,500 lbs. Touch and go lds

prohibited 0600-1500Z†. Twr 80' AGL lctd 1200' N and 900' W of

thld Rwy 13R. 150' AGL crane 0.75 SW AER 13R. 180' AGL crane

0.37 NW AER 31L. PPR always for access to Boeing ramp. Ctc Boeing Flt Dispatch 206-544-5900 Mon-Fri

1600-0000Z† for apvl. Prior to taxi onto Boeing ramp, ctc Boeing radio twr 123.425 or call 206-662-4500. Twy A1

and Twy A from A1-A3 rstd to acft up to 150,000 lbs and less than 108' wingspan. Twy A2, Twy B2 and Twy A11 rstd

to acft up to 60,000 lbs. Twy A3, Twy A5, and Twy A8 rstd to acft up to 12,500 lbs. PPR for parking arrangements for

acft over 12,500 lbs max tkf wt is recommended. Extv helicopter trng act on Twy B. For NS ABTMT procedures, ctc noise

office at 206-296-7334. Twy Z and 880' special use pavement avbl 72 hrs PPR, ctc arpt ops 206-296-7334. For

Museum of Flt tran acft parking, PPR, call 206-764-5710. Itinerant/tran parking avbl, PPR ctc ops 206-296-7334.

PPR for acft greater than 12,500 lbs. Rwy 13L-31R TPA-1000(979), Rwy 13R-31L TPA-800(779). Flight

Notification Service (ADCUS) avbl. NOTE: See Special Notices Section—Simultaneous Operations.

AIRPORT MANAGER: 206-296-7380

WEATHER DATA SOURCES: ASOS (206) 763-6904

COMMUNICATIONS: ATIS 127.75 206-767-4113 UNICOM 122.95

SEATTLE RCO 122.5 (SEATTLE RADIO)

SEATTLE RCO 123.65 (SEATTLE RADIO)

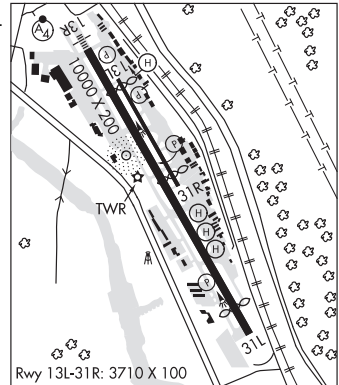
® SEATTLE APP/DEP CON 119.2 (076°-160° Rwy 13) (341°-075°) 120.1 (199°-300°) 120.4 (301°-340° Rwy 31) 125.9 (076°-160° Rwy 31) (301°-340° Rwy 13) 126.5 (161°-198°)

BOEING TOWER 120.6 (All IFR) 118.3 (VFR from the East)

GND CON 121.9 CLNC DEL 132.4

AIRSPACE: CLASS D svc

VOR TEST FACILITY (VOT) 108.6



SEATTLE

H-1B, L-1D

IAP, AD

CONTINUED ON NEXT PAGE

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RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

SEATTLE (H) VORTACW 116.8 SEA Chan 115 N47°26.12' W122°18.58' 344° 5.7 NM to fld. 354/19E.

VOR portion unusable:

008°-023° byd 20 NM blo 3,500'

008°-023° byd 30 NM blo 4,100'

233°-273° byd 20 NM blo 8,000'

233°-273° byd 30 NM blo 10,000'

233°-273° byd 35 NM blo 11,000'

233°-273° byd 8 NM blo 5,500'

303°-333° byd 20 NM blo 2,900'

303°-333° byd 30 NM blo 4,000'

333°-353° byd 15 NM blo 3,500'

353°-008° byd 20 NM blo 2,900'

TACAN antenna offset 150' on 300 radial.

TACAN AZIMUTH & DME unusable:

008°-028° byd 20 NM blo 4,500'

008°-028° byd 30 NM blo 7,000'

203°-253° byd 27 NM

303°-008° byd 30 NM blo 3,500'

TACAN AZIMUTH unusable:

008°-163°

173°-293°

PARRK NDB (M) 281 HPK N47°31.94' W122°18.42' at fld.

NOLLA NDB (LOM) 362 BF N47°37.95' W122°23.37' 130° 7.1 NM to fld.

ILS/DME 110.9 I-BFI Chan 46 Rwy 13R. Class IA. LOM NOLLA NDB. DME unusable byd 30° left of course. LOC back course unusable byd 13 NM blo 3,500'. LOC unusable byd 20° left of course. LOC back course unusable byd 10° left and right of course.

ILS/DME 110.9 I-CHJ Chan 46 Rwy 31L. Class IA. LOC unusable byd 15° east of course. ILS/DME unusable byd 10° rgt of course.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

KENMORE AIR HARBOR SPB (W55) 1 N UTC-8(-7DT) N47°37.74' W122°20.32'

SEATTLE

14 AOE NOTAM FILE SEA

WATERWAY 16-34: 5000X500 (WATER)

SEAPLANE REMARKS: Attended dawn-dusk. Fuel avbl emerg only. Ngt lds not recommended due to unlgtd small watercraft.

Kite flying in public park at north end of arpt. Red buoy indicates start and stop area for tkfs and lds. Incr boating ops on lake Apr 15 thru Oct 15. All tkf and lds in ctr of lake. Special NS ABTMT rules in effect ctc opr for pat info. Do not taxi closer than 200' from shoreline exc in close proximity to Kenmore Air Harbor. Call 425-486-1257 X2010 for apvl at least 3 hrs prior to arr. Docking fee. Marina freq 130.30. \$150 transit docking fee. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: 425-486-1257

COMMUNICATIONS: CTAF 122.9

SEATTLE SEAPLANES SPB (ØWØ) 1 N UTC-8(-7DT) N47°37.66' W122°19.91'

SEATTLE

14 NOTAM FILE SEA

WATERWAY 18W-36W: 9500X300 (WATER)

SERVICE: S2

SEAPLANE REMARKS: Attended 1600Z†-dusk. Small watercraft act on lake.

AIRPORT MANAGER: 206-329-9638

COMMUNICATIONS: CTAF 122.9

SEATTLE-TACOMA INTL (SEA)(KSEA) 10 S UTC-8(-7DT) N47°26.99' W122°18.71'

433 B LRA Class I, ARFF Index E NOTAM FILE SEA

SEATTLE
H-1B, L-1D
IAP, AD

RWY 16L-34R: H11901X150 (CONC-GRVD) S-100, D-230, 2D-600,

2D/2D2-1400 PCN 110R/B/W/T HIRL CL

RWY 16L: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 79'. RVR-TMR 0.6% down.

RWY 34R: MALSR. TDZL. PAPI(P4L)—GA 2.75° TCH 83'. RVR-TMR 0.8% up.

RWY 16C-34C: H9426X150 (CONC-GRVD) S-100, D-200, 2S-175,

2D-350, 2D/2D2-800 PCN 71 R/B/W/T HIRL CL

RWY 16C: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 75'. RVR-TMR 0.6% down.

RWY 34C: MALSR. PAPI(P4L)—GA 3.0° TCH 75'. RVR-TMR Tree. 0.8% up.

RWY 16R-34L: H8500X150 (CONC-GRVD) S-100, D-216, 2D-448,

2D/2D2-1157 PCN 89 R/B/W/T HIRL CL

RWY 16R: ALSF2. TDZL. PAPI(P4R)—GA 3.0° TCH 69'. RVR-TMR 0.6% down.

RWY 34L: MALSR. PAPI(P4L)—GA 3.0° TCH 75'. RVR-TMR 0.8% up.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 16C:TORA-9426 TODA-9426 ASDA-9426 LDA-9426

RWY 16L:TORA-11901 TODA-11901 ASDA-11901 LDA-11901

RWY 16R:TORA-8500 TODA-8500 ASDA-8500 LDA-8500

RWY 34C:TORA-9426 TODA-9426 ASDA-9426 LDA-9426

RWY 34L:TORA-8500 TODA-8500 ASDA-8500 LDA-8500

RWY 34R:TORA-11901 TODA-11901 ASDA-11901 LDA-11901

SERVICE: FUEL 100LL, JET A, A1

AIRPORT REMARKS: Attended continuously. Bird flocks within arpt vcnty, check Icl advisories. Helicopters ldg and dep avoid overflying fuel farm lctd at the southeast corner of the arpt. ASDE-X in use. Opr transponders with altitude reporting mode and ADS-B (if equipped) enabled on all twys and rwys. Do not mistake Twy T for ldg sfc. Twy A south of Twy G rstd to acft with wingspan 225' or smaller. Taxilane around North satellite rstd to acft with wingspans of 200' or less. Taxilane W rstd to wingspan of 135' or less north of Twy N and 167' or less south to Twy N. Seattle ramp twr provides advsy ctl only. Access to air cargo 4 parking and cargo areas rstd to acft with wingspans of 170' or less. Twy for corporate hangar ramp ltd to acft with 104' or less wingspan for taxi ops. General aviation cstms parking is very ltd. PPR for all general aviation parking and svc, ctc 206-433-5481. Btn the hrs of 0600-1500Z†, the use of extdd reverse thrust is discouraged byd what is necessary for opr or safety reasons. NS ABTMT procedures in effect btn 0600-1400Z†. For further info ctc SEA NS ABTMT office at 206-787-7496. Rwy status lgts are in operation. Ldg fee. General aviation ldg fees payable by major credit cards only. Flight Notification Service (ADCUS) avbl. NOTE: See Special Notices—Continuous Power Facilities, Seattle-Tacoma Intl Gatehold Procedures, Oceanic Departures.

AIRPORT MANAGER: 206-787-4682

WEATHER DATA SOURCES: ASOS (206) 431-2834 WSP.

COMMUNICATIONS: D-ATIS 118.0 206-241-6025 UNICOM 122.95

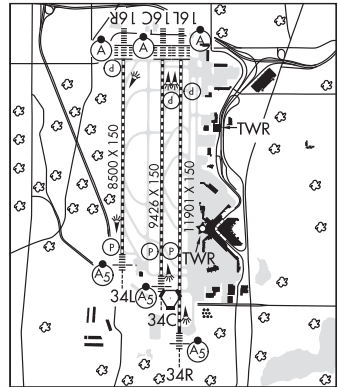
Ⓡ **SEATTLE APP CON** 120.1 (199°-300°) 120.4 (301°-340° Rwy 34) 125.6 (West) 125.9 (076°-160° Rwy 34) (301°-340° Rwy 16) 126.5 (161°-198°) 133.65 (ARR Rwy 16) 123.9

Ⓡ **SEATTLE DEP CON** 119.2 (Rwys 34R/34C/34L) 120.1 (199°-300°) 120.4 (301°-340° Rwy 34) (Rwys 16L/16C/16R) 125.6 (West) 125.9 (076°-160° Rwy 34) (301°-340° Rwy 16) 126.5 (161°-198°) 123.9

SEATTLE TOWER 119.9 (Rwy 16L-34R, Rwy 16C) 120.95 (Rwy 16R-34L, Rwy 34C)

GND CON 121.7 126.87 (Cargo N ramp) 122.27 (S ramp) **CLNC DEL** 128.0 121.85

AIRSPACE: CLASS B See VFR Terminal Area Chart CLASS D



CONTINUED ON NEXT PAGE

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VOR TEST FACILITY (VOT) 117.5

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

(H) VORTACW 116.8 SEA Chan 115 N47°26.12' W122°18.58' at fld. 354/19E.

VOR portion unusable:

008°-023° byd 20 NM blo 3,500'
 008°-023° byd 30 NM blo 4,100'
 233°-273° byd 20 NM blo 8,000'
 233°-273° byd 30 NM blo 10,000'
 233°-273° byd 35 NM blo 11,000'
 233°-273° byd 8 NM blo 5,500'
 303°-333° byd 20 NM blo 2,900'
 303°-333° byd 30 NM blo 4,000'
 333°-353° byd 15 NM blo 3,500'
 353°-008° byd 20 NM blo 2,900'
 TACAN antenna offset 150' on 300 radial.

TACAN AZIMUTH & DME unusable:

008°-028° byd 20 NM blo 4,500'
 008°-028° byd 30 NM blo 7,000'
 203°-253° byd 27 NM
 303°-008° byd 30 NM blo 3,500'

TACAN AZIMUTH unusable:

008°-163°
 173°-293°

ILS/DME 111.7 I-SZI Chan 54 Rwy 16C. Class IIIE. DME also serves Rwy 34C.

ILS/DME 110.3 I-SNQ Chan 40 Rwy 16L. Class IIIE. DME also serves ILS Rwy 34R. Possible Rwy 16L glideslope fluctuation on final when weather is 800/2 or better. Possible Rwy 16L glideslope fluctuation prior to DGLAS when weather is less than 800/2. Localizer unusable byd 15° left of course.

ILS/DME 110.75 I-CJL Chan 44(Y) Rwy 16R. Class III.

ILS/DME 111.7 I-TUC Chan 54 Rwy 34C. Class IIE. DME also serves ILS Rwy 16C.

ILS/DME 110.75 I-BEJ Chan 44(Y) Rwy 34L. Class IIE.

ILS/DME 110.3 I-SEA Chan 40 Rwy 34R. Class IID. DME also serves ILS Rwy 16L.

COMM/NAV/WEATHER REMARKS: Contact Seattle ramp tower ("SEATTLE RAMP") on 122.27 (south ramp) or 126.87 (north ramp) prior to entry/pushback operations on Taxilane W, north, south and cargo ramps/aprons.

SEKIU (11S) 0 NW UTC-8(-7DT) N48°15.97' W124°18.84'

SEATTLE

355 B NOTAM FILE SEA

RWY 08-26: H2997X50 (ASPH) LIRL

RWY 08: Thld dsplcd 900'. Hill.

RWY 26: VASI(NSTD)—GA 4.0° TCH 35'. Tree.

AIRPORT REMARKS: Unattended. Deer on and invof arpt Sep-Mar. High ridge along N side of rwy. Turbulence on E end apch over water. Difficult apch when wind from N. PPR for other than single engine acft, call arpt mgr 360-457-1138. Rwy 26 NSTD VASI 2 box VASI left side ngts only.

AIRPORT MANAGER: (360) 417-3363

COMMUNICATIONS: CTAF 122.9

SEQUIM VALLEY (W28) 4 NW UTC-8(-7DT) N48°05.84' W123°11.25'

SEATTLE

152 B NOTAM FILE SEA

L-1E

RWY 09L-27R: H3106X40 (ASPH) LIRL 0.5% up E

RWY 09L: Trees. Rgt tfc.

RWY 27R: Trees.

RWY 09R-27L: 1817X100 (TURF) 0.6% up E

RWY 09R: Trees. Rgt tfc.

RWY 27L: Trees.

SERVICE: S6 FUEL 100LL

AIRPORT REMARKS: Attended Mon 1800-0100Z†, Tues 1700-0100Z†.

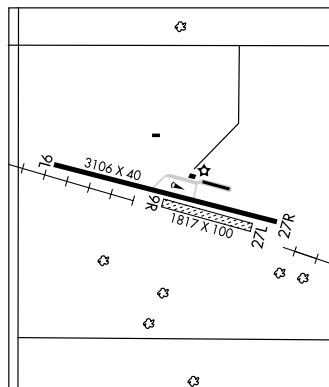
Rwy 09L-27R PPR for ldg call 360-683-4444. Self svc fuel avbl 24 hrs. Deer on and invof arpt. Rwy 09R-27L has a 6" shoulder. Rwy 27L marked with broken line. Paved twys cross turf Rwy 09L-27R. Rotating bcn OTS indef. Ldg fee.

AIRPORT MANAGER: 360-683-4444

COMMUNICATIONS: CTAF/UNICOM 122.7

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17.99'
 W124°37.62' 079° 59.0 NM to fld. 1650/22E. HIWAS.



SHADY ACRES (See SPANAWAY on page 210)

SHELTON

SANDERSON FLD (SHN)(KSHN) 3 NW UTC-8(-7DT) N47°14.01' W123°08.85'

273 B NOTAM FILE SHN

RWY 05-23: H5005X100 (ASPH) S-55, D-72, 2D-130 MIRL
0.3% up NE

RWY 05: Trees. Rgt tfc.

RWY 23: REIL. PAPI(P4L)—GA 3.0° TCH 47'. Trees.

SERVICE: S4 **FUEL** 100LL, JET A **LGT** ACTIVATE PAPI Rwy 23—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1600-0030Z†. Parachute Jumping.

Parachute operations on the field avoid crossing midfield to enter traffic pattern. 24 hr credit card fuel facility. Bcn on water twr north of rwy.

AIRPORT MANAGER: 360-426-1151

WEATHER DATA SOURCES: ASOS 119.275 (360) 427-3835.

COMMUNICATIONS: CTAF/UNICOM 122.8

® **SEATTLE APP/DEP CON** 121.1

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.

OLYMPIA (H) VORTACW 113.4 OLM Chan 81 N46°58.30'
W122°54.11' 308° 18.7 NM to fld. 200/19E. **HIWAS.**

TACAN AZIMUTH & DME unusable:

223°-258° byd 20 NM blo 4,100'

258°-283° byd 30 NM blo 4,100'

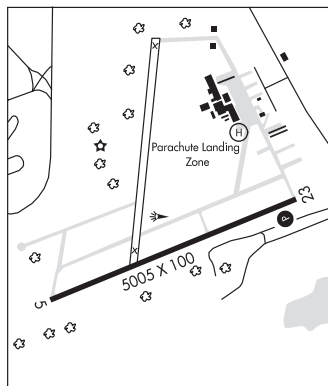
358°-043° byd 10 NM blo 6,000'

358°-043° byd 20 NM blo 7,000'

MASON COUNTY NDB (MHW) 348 MNC N47°14.88' W123°05.18' 232° 2.6 NM to fld. NOTAM FILE SHN. NDB unmonitored.

NDB unusable:

280°-340° byd 20 NM



SEATTLE

H-1B, L-1D

IAP

SILVERDALE

APEX AIRPARK (8W5) 2 NW UTC-8(-7DT) N47°39.38' W122°43.99'

525 NOTAM FILE SEA

RWY 17-35: H2500X28 (ASPH) LIRL 0.8% up N

RWY 17: Trees.

RWY 35: Trees. Rgt tfc.

SERVICE: S4

AIRPORT REMARKS: Attended 1600-0100Z†. Children and pets etc on invof arpt. No line of sight between rwy ends. Twy east side rwy. Be alert on twy. Trees, acft and bldgs in transition sfcs.

AIRPORT MANAGER: (360) 908-2445

COMMUNICATIONS: CTAF/UNICOM 122.8

SEATTLE

SKAGIT RGNL (See BURLINGTON/MOUNT VERNON on page 171)

SKAGIT/BAY VIEW N48°28.12' W122°25.10' NOTAM FILE BVS.

NDB (MHW) 240 BVS at Skagit Rgnl.

NDB unusable:

350°-030° byd 20 NM

SEATTLE

L-1E

SKY HARBOR (See SULTAN on page 213)

SKYKOMISH STATE (S88) 1 E UTC-8(-7DT) N47°42.66' W121°20.34'

1002 NOTAM FILE SEA

RWY 06-24: 2050X100 (TURF)

RWY 06: Trees.

RWY 24: Trees.

AIRPORT REMARKS: Unattended. Arpt CLOSED 1 Oct - 1 June exc for approved mil and public/law enforcement helicopter ops.

Vehicles, pedestrians and animals on and invof rwy. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666

WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center

800-258-5990. Mountains surround arpt. Rwy soft when wet. Rwy marked with reflectors during dates arpt is open.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: CTAF 122.9

SEATTLE

SKYLINE SPB (See ANACORTES on page 166)

SNOHOMISH**HARVEY FLD** (S43) 1 SW UTC-8(-7DT) N47°54.29' W122°06.16'

SEATTLE

22 TPA—1006(984) NOTAM FILE SEA

L-1D

RWY 15L-33R: H2671X36 (ASPH) S-10 LIRL(NSTD)

IAP

RWY 15L: Thld dspcd 451'. P-line. Rgt tfc.**RWY 33R:** Thld dspcd 241'. Trees.**RWY 15R-33L:** 2430X100 (TURF) 0.3% up SE**RWY 15R:** P-line. Rgt tfc.**RWY 33L:** Trees.**SERVICE:** S4 FUEL 100LL, JET A

AIRPORT REMARKS: Attended Nov-Mar 1530-0200Z†, Apr-Oct 1530-0500Z†. Parachute Jumping. Parachute drop zone btn Rwy 15L-33R and main twy, large grvl circle. Additional parachute student drop zone 1 NM East of arpt marked with white X. Fuel 24 hr credit card svc avbl. Arriving helicopter tfc apch helipads from NE or SE to avoid student drop zone. Rwy 15R-33L clsd Nov 1- May 31. Helicopter trng west of rws 500' and blo. High voltage P-line 22' high 25' from AER 15L. Rwy 15L and Rwy 15R calm wind rws. NS ABTMT procedures in effect, ctc arpt mgr 360-568-1541. Rwy 15L-33R NSTD LIRL, thld lgts 360° green.

AIRPORT MANAGER: 360-568-1541**COMMUNICATIONS:** CTAF/UNICOM 123.0

®SEATTLE APP/DEP CON 128.5

RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAE Chan 43 N47°55.19' W122°16.67' 077° 7.1 NM to fld. 679/20E.

SNOHOMISH CO (PAINE FLD) (See EVERETT on page 180)**SOUTH BEND(RAYMOND)****WILLAPA HARBOR** (2S9) 2 NW UTC-8(-7DT) N46°41.86' W123°49.40'

SEATTLE

13 B NOTAM FILE SEA

L-1C

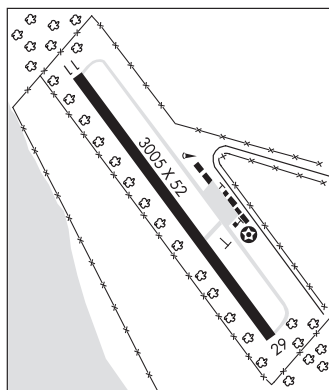
RWY 11-29: H3005X52 (ASPH) S-12 MIRL(NSTD)**RWY 11:** Trees.**RWY 29:** Trees.

SERVICE: LGT NSTD MIRL Rwy 11-29, lgts 25' from edge. ACTIVATE MIRL Rwy 11-29—122.8.

AIRPORT REMARKS: Unattended. Birds and animals on and invof arpt. Rwy 11-29 52' wide with 22.5' asph trtd shoulders. Rotating bcn OTS indef.

AIRPORT MANAGER: 360-942-3422**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE HQM.

HOQUIAM (H) VORTACW 117.7 HQM Chan 124 N46°56.82' W124°08.96' 119° 20.1 NM to fld. 10/19E. **HIWAS.**

**SOUTHWEST WASHINGTON** N46°09.57' W122°49.78'

SEATTLE

RCO 122.55 (SEATTLE RADIO)

SOUTHWEST WASHINGTON RGNL (See KELSO on page 185)**SPANAWAY****SHADY ACRES** (3B8) 3 SE UTC-8(-7DT) N47°04.22' W122°22.27'

SEATTLE

445 NOTAM FILE SEA

RWY 16-34: H1800X20 (ASPH) LIRL**RWY 16:** Trees.**RWY 34:** Thld dspcd 200'. Road. Rgt tfc.

AIRPORT REMARKS: Unattended. PPR for ngt ops call arpt mgr 253-846-8953. Mil activity invof arpt. Arpt clsd to mil helicopters. Civ helicopters fly in fixed wing tfc pat due to ltd visibility. Twrs lctd 2100' northeast 160' AGL red/white, lgtd at ngt, 2700' east, 150' AGL, lgtd at ngt. Power plants with emissions that may not be visible 0.5 and 1 statute mile northeast of arpt. Dspcd thld marked with NSTD chevrons. Rwy 16 ID is NSTD distance from rwy end. Directional rwy edge lgts.

AIRPORT MANAGER: 253-846-8953**COMMUNICATIONS:** CTAF 122.9

SPANAWAY (S44) 1 S UTC-8(-7DT) N47°05.21' W122°25.88'

385 TPA-1000(615) NOTAM FILE SEA

RWY 16-34: H2724X20 (ASPH) S-12 LIRL

RWY 16: Thld dsplcd 200'. Trees.

RWY 34: Trees. Rgt tfc.

SERVICE: FUEL 100LL

AIRPORT REMARKS: Attended 1600Z±-dusk. Mil tfc invof arpt.

AIRPORT MANAGER: 253-847-2266

COMMUNICATIONS: CTAF 122.9

® SEATTLE APP/DEP CON 126.5

SEATTLE

SPOKANE

FELTS FLD (SFF)(KSFF) 4 NE UTC-8(-7DT) N47°40.98' W117°19.35'

1957 B LRA NOTAM FILE SFF

RWY 04L-22R: H4499X150 (CONC) S-30 MIRL

RWY 04L: REIL. VASI(V4L)-GA 3.0° TCH 50'. Road.

RWY 22R: MALSR. VASI(V4R)-GA 3.5° TCH 44'. Tree. Rgt tfc.

RWY 04R-22L: H2650X75 (ASPH) S-30

RWY 04R: Rgt tfc.

RWY 22L: PAPI(P4L)-GA 3.8° TCH 42'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04L:TORA-4499 TODA-4499 ASDA-4499 LDA-4499

RWY 04R:TORA-2650 TODA-2650 ASDA-2650 LDA-2650

RWY 22L:TORA-2650 TODA-2650 ASDA-2650 LDA-2650

RWY 22R:TORA-4499 TODA-4499 ASDA-4499 LDA-4499

SERVICE: S4 FUEL 100LL, JET A1+ QX 3, 4 LGT VASI Rwy 04L and VASI Rwy 22R opr continuously. PAPI Rwy 22L opr SR-SS. When twr clsd ACTIVATE MIRL Rwy 04L-22R, MALSR Rwy 22R and REIL 04L-CTAF.

AIRPORT REMARKS: Attended 1400-0400Z±. Waterfowl and birds on and invof arpt. Lgtd crane 1953' MSL (200' AGL) 1.25 NM east indef. Acft with tail heights over 20' must ctc twr prior to taxi. Twr unable to provide ATC svc on perimeter twy due to movement of unctd gnd tfc. Portions of Twy B not visible from twr. PPR for rotorwing acft conducting hover ops above 10' AGL in non-movement area ctc twr. Obstacle free area for Twy A is delineated with a green line. Rwy 22L PAPI unusable byd 5° either side of cntrln within 4 NM of thld. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: 509-455-6419

WEATHER DATA SOURCES: ASOS (509) 535-3290

COMMUNICATIONS: CTAF 132.5 ATIS 120.55 UNICOM 122.95

SPOKANE RCO 122.2 122.55 122.65 (SEATTLE RADIO)

® SPOKANE APP/DEP CON 133.35

TOWER 132.5 (1400-0400Z±) **GND CON** 121.7 **CLNC DEL** 121.7

AIRSPACE: CLASS D svc 1400-0400Z± other times CLASS E.

VOR TEST FACILITY (VOT) 114.0

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90' W117°37.61' 039° 14.2 NM to fld. 2756/21E.

HIWAS.

VOR portion unusable:

300°-330° byd 30 NM blo 9,000'

335°-360° byd 18 NM blo 7,000'

335°-360° byd 25 NM

360°-015° byd 26 NM blo 7,000'

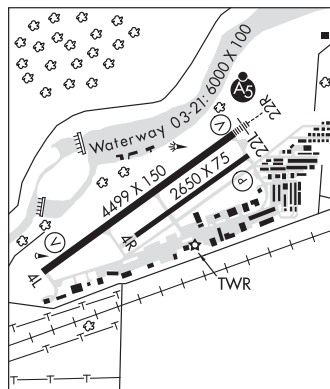
ILS/DME 111.7 I-FLZ Chan 54 Rwy 22R. LOC unusable 0.2 NM fm rwy thld. DME unusable 15° rgt of course.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

WATERWAY 03W-21W: 6000X100 (WATER)

WATERWAY 21W: Rgt tfc.

SEAPLANE REMARKS: Extv boating in area of water rwy. Water level on river may be lowered by Corp of Engineers. Water area adj to arpt not ctl or maintained by arpt. Waterway 03-21 water rwy advsy svc only area not visible from twr. Ctc Felts twr 132.5 for tfc data.



SEATTLE

L-13B

IAP, AD

SPOKANE INTL (GEG)(KGE) P (ARNG) 5 SW UTC-8(-7DT) N47°37.14' W117°32.11'

SEATTLE

2385 B AOE Class I, ARFF Index B NOTAM FILE GEG

H-1C, L-13B

RWY 03-21: H11002X150 (ASPH-CONC-GRVD) S-200, D-200,

IAP, AD

2S-175, 2D-400 HIRL CL

RWY 03: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 69'. RVR-TMR Rgt tfc. 0.5% down.

RWY 21: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 73'. RVR-TMR Ground. 0.6% up.

RWY 07-25: H8199X150 (ASPH-GRVD) S-150, D-180, 2S-175, 2D-280 MIRL

RWY 07: REIL. PAPI(P4R)—GA 3.0° TCH 45'. Rgt tfc.

RWY 25: REIL. PAPI(P4L)—GA 3.0° TCH 48'.

LAND AND HOLD—SHORT OPERATIONS

LDG RWY	HOLD—SHORT POINT	AVBL LDG DIST
RWY 07	03-21	2800
RWY 21	07-25	7000
RWY 25	03-21	4350

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03: TORA-11002 TODA-11002 ASDA-11002 LDA-11002

RWY 07: TORA-8199 TODA-8199 ASDA-8199 LDA-8199

RWY 21: TORA-11002 TODA-11002 ASDA-11002 LDA-11002

RWY 25: TORA-8199 TODA-8199 ASDA-8199 LDA-8199

SERVICE: S4 FUEL 100, 100LL, JET A OX 1, 2, 3, 4 **MILITARY—** FUEL A, A+ (C509-455-5204, avbl 1400-0600Z, hol 1600-0000Z, OT 2 hr PN, \$90 per hr fee) (NC-100, 100LL).

AIRPORT REMARKS: Attended continuously. Waterfowl and birds on and in/ov arpt. Twy K unlgtd on ramp side along maintenance ramp and is unavbl blo 1200' RVR unless under escort by "follow me." Portions of Twy K not visible from twr. Rwy 21 ALSF2 may be opr as SSALR during favorable wx conditions. Be alert to turbulence over smoke stacks 1 mile east of arpt. Rwy 07 VGSI and RNAV glidepath not coincident. U.S. Customs user fee arpt. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: 509-455-6419

WEATHER DATA SOURCES: ASOS (509) 624-4406 HIWAS 115.5 GEG. WSP

COMMUNICATIONS: ATIS 124.325 509-838-0895 **UNICOM** 122.95

Ⓡ **APP/DEP CON** 123.75 (205°-25°) 133.35 (26°-204°)

TOWER 118.3 **GND CON** 121.9 **CLNC DEL** 127.55

AIRSPACE: CLASS C svc ctc **APP CON**

VOR TEST FACILITY (VOT) 109.6

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

(H) **VORTACW** 115.5 GEG Chan 102 N47°33.90' W117°37.61' 028° 4.9 NM to fld. 2756/21E. **HIWAS.**

VOR portion unusable:

300°-330° byd 30 NM blo 9,000'

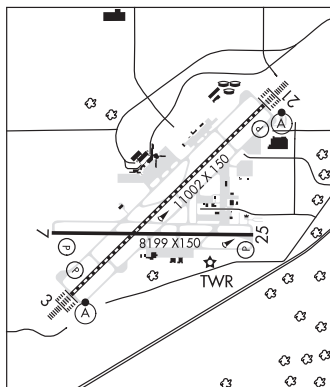
335°-360° byd 18 NM blo 7,000'

335°-360° byd 25 NM

360°-015° byd 26 NM blo 7,000'

ILS/DME 111.1 I-OLJ Chan 48 Rwy 03. Class IIIE.

ILS/DME 111.1 I-GEG Chan 48 Rwy 21. Class IIIE.



STAMPEDE PASS SMP N47°15.98' W121°22.07'/3964

SEATTLE

ASOS 135.275 (360) 886-2758

L-1D

STANWOOD

CAMANO ISLAND AIRFIELD (13W) 3 NW UTC-8(-7DT) N48°15.42' W122°26.17'

SEATTLE

145 NOTAM FILE SEA

RWY 16-34: H1750X24 (ASPH)

RWY 16: Tree. Rgt tfc.

RWY 34: Brush. Rgt tfc.

SERVICE: S4

AIRPORT REMARKS: Attended Mon-Thur 1630-0130Z. Do not taxi on grass Oct-May. Parallel driveway adjacent to Rwy 16-34. 20' trees 35' west of cntrln in primary sfc.

AIRPORT MANAGER: 360-629-4812

COMMUNICATIONS: CTAF 122.9

STARBUCK

LITTLE GOOSE LOCK AND DAM (16W) 7 NE UTC-8(-7DT) N46°35.04' W118°00.22'

SEATTLE

681 NOTAM FILE SEA

RWY 07-25: 3400X50 (GRVL)

RWY 07: Road.

RWY 25: Hill.

AIRPORT REMARKS: Unattended. Do not land if snow present on rwy. No winter snow removal ops. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Arpt lctd in canyon, rolling terrain 700-800' south rising to 750', canyon wall 800' south rises steeply to 1800'+, north wall rises to 1600'+. Density altitude. High terrain surrounds arpt. Strong winds possible inside canyon. Pedestrians, vehicles, and animals on and invof rwy. Portions of rwy sfc rough and soft. Rwy marked with reflectors dur dates arpt is open.

AIRPORT MANAGER: (360) 618-2477**COMMUNICATIONS:** CTAF 122.9

STEHEKIN STATE (6S9) 3 NW UTC-8(-7DT) N48°20.75' W120°43.25'

SEATTLE

1230 NOTAM FILE SEA

RWY 13-31: 2630X100 (TURF) 1.5% up NW

RWY 13: Trees.

RWY 31: Brush.

AIRPORT REMARKS: Unattended. Arpt CLOSED 1 Oct—1 Jun exc for apvd mil and public safety/law enforcement helicopter ops. No mil use dur clsd periods exc emerg. Pedestrians, vehicles and animals on and invof rwy. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Rwy marked with reflectors dur dates arpt is open.

AIRPORT MANAGER: (360) 618-2477**COMMUNICATIONS:** CTAF 122.9

STROM FLD (See MORTON on page 191)

SULLIVAN LAKE STATE (See METALINE FALLS on page 190)

SULTAN

SKY HARBOR (S86) 1 E UTC-8(-7DT) N47°52.24' W121°47.54'

SEATTLE

282 NOTAM FILE SEA

RWY 07-25: 1930X100 (TURF)

RWY 07: Brush.

RWY 25: Brush.

AIRPORT REMARKS: Unattended. Ctc arpt mgr 425-359-4625 for facility info prior to use. Watch for animals and children on and invof arpt. West end very soft in winter and spring. Preferred rwy ops wind permitting land west, tkf east. Avoid arpt dur high wind conditions. No touch and go ops. No instr or student ops. Helicopter parking northeast end of rwy.

AIRPORT MANAGER: 425-359-4625**COMMUNICATIONS:** CTAF 122.9 UNICOM 122.8

SUNNYSIDE MUNI (1S5) 2 E UTC-8(-7DT) N46°19.63' W119°58.22'

SEATTLE

768 B NOTAM FILE 1S5

RWY 07-25: H3423X60 (ASPH) S-12.5 LIRL 0.6% up E

RWY 07: PAPI(P2L)—GA 3.0°. Road.

RWY 25: PAPI(P2L)—GA 3.0°. Pole.

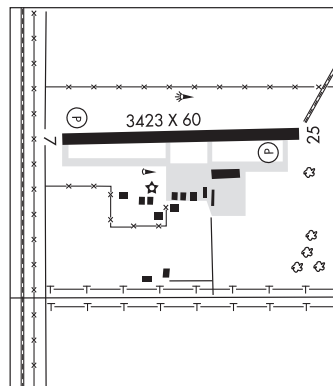
SERVICE: FUEL 100LL**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** 509-837-5206**WEATHER DATA SOURCES:** AWOS-3PT 123.675 (509) 836-2384.**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE PSC.

PASCO (L) VORW/DME 109.8 PSC Chan 35 N46°16.22'

W119°07.04' 261° 35.7 NM to fld. 406/15E.

DME unusable:

160°-170° byd 30 NM



SWANSON (See EATONVILLE on page 177)

TACOMA

AMERICAN LAKE SPB (W37) 7 S UTC-8(-7DT) N47°08.49' W122°33.66'

SEATTLE

235 TPA-935(700) NOTAM FILE SEA

WATERWAY 02-20: 5500X500 (WATER)

SEAPLANE REMARKS: Unattended. Swimmers and boaters in the area. Day use only recommended. NS ABTMT procedures in effect, ctc arpt manager 253-589-2489, extn 7741. Arpt underlies McChord Field (Joint Base Lewis-McChord) Class D Airspace.

AIRPORT MANAGER: 253-589-2489

COMMUNICATIONS: CTAF 122.9

TACOMA NARROWS (TIW)(KTIW) 4 W UTC-8(-7DT) N47°16.08' W122°34.69'

SEATTLE

295 B TPA-1295(1000) LRA NOTAM FILE TIW

H-1B, L-1D

RWY 17-35: H5002X100 (ASPH-GRVD) S-50, D-80, 2S-102, 2D-80, 2D/2D2-150 MIRL

IAP, AD

RWY 17: MALSR. PAPI(P4R)—GA 3.0° TCH 52'.

RWY 35: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Rgt tfc.

SERVICE: S4 FUEL 100LL, JET A OX4 LGT When twr closed ACTIVATE MIRL Rwy 17-35, MALSR Rwy 17, PAPI Rwy 17 & Rwy 35, REIL Rwy 35—CTAF.

AIRPORT REMARKS: Attended 1500-0000Z±. Deer on and invof arpt. Noise sensitive arpt, for NS ABTMT and ttc procedures call arpt manager 253-853-5844. For customs call 253-593-6338 ext #2.

AIRPORT MANAGER: 253-798-7109

WEATHER DATA SOURCES: ASOS (253) 858-6507 LAWRS.

COMMUNICATIONS: CTAF 118.5 ATIS 124.05 UNICOM 122.95

® SEATTLE APP/DEP CON 120.1

TOWER 118.5 (1600-0400Z±) GND CON 121.8

AIRSPACE: CLASS D svc 1600-0400Z± other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE TCM.

MCCHORD (T) VORTAC 109.6 TCM Chan 33 N47°08.86'

W122°28.50' 315° 8.4 NM to fld. 283/15E.

VORTAC No NOTAM MP 0800-1700Z± and 2100-2300Z± Wed

VOR unusable:

033°-043° byd 12 NM blo 8,500'

043°-063° byd 12 NM

063°-076° byd 19 NM

076°-082° byd 19 NM blo 8,000'

076°-082° byd 24 NM blo 10,000'

142°-153° byd 12 NM

153°-163° byd 12 NM blo 5,800'

207°-277° byd 12 NM

307°-082° byd 10 NM blo 8,000'

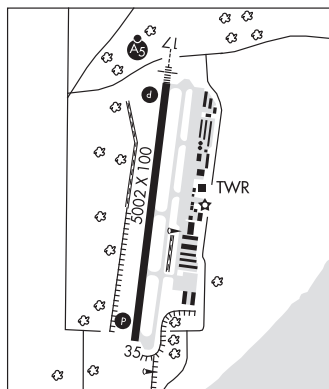
307°-347° byd 12 NM

347°-033° byd 19 NM

GRAYE NDB (MHW) 216 GRF N47°09.02' W122°36.28' 353° 7.1 NM to fld. NOTAM FILE GRF.

ILS 109.1 I-TIW Rwy 17. Class IA. Unmonitored when ATCT clsd.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.



TATOOSH N48°17.99' W124°37.62' NOTAM FILE SEA.

SEATTLE

(H) VORTACW 112.2 TOU Chan 59 151° 22.0 NM to Quillayute. 1650/22E. HIWAS.

H-1B, L-1D

RCO 122.25 (SEATTLE RADIO)

TEKOA

WILLARD FLD (73S) 2 NE UTC-8(-7DT) N47°14.13' W117°02.62'

SEATTLE

2520 B NOTAM FILE SEA

RWY 04-22: H2261X40 (ASPH) MIRL

RWY 04: Thld displd 190'. Tree.

RWY 22: Thld displd 240'. Road.

SERVICE: S4 FUEL 100LL LGT ACTIVATE MIRL Rwy 04-22—122.8.

AIRPORT REMARKS: Unattended. Self svc fuel with credit card. Parachute Jumping. Grass areas not avbl for acft ops.

AIRPORT MANAGER: 509-284-6145

COMMUNICATIONS: CTAF 122.9

TIETON STATE (See RIMROCK on page 203)

TOLEDO

ED CARLSON MEM FLD — SOUTH LEWIS CO (TDO)(KTDO) 3 N UTC-8(-7DT) N46°28.63'

SEATTLE

W122°48.39'

L-1C

374 B TPA—1174(800) NOTAM FILE TDO

IAP

RWY 06-24: H4479X150 (ASPH) S-25 MIRL 0.4% up NE**RWY 06:** REIL. SAVASI(S2L)—GA 3.0° TCH 28'.**RWY 24:** REIL. PAPI(P2L)—GA 3.0° TCH 44'.**SERVICE:** S4 FUEL 100LL LGT ACTIVATE MIRL Rwy 06-24 and REIL Rwy 06 and Rwy 24—CTAF. SAVASI Rwy 06 and PAPI Rwy 24 opr 24 hrs.**AIRPORT REMARKS:** Unattended. 24 hr credit card fuel facility. Parachute Jumping. Glider activity Mar–Nov. Radio controlled acft adjacent Rwy 06-24 400' and blo. Distance to go markers S side of rwy. LNAV GPS approaches currently published to both runway ends, minima as low as 1 mile.**AIRPORT MANAGER:** 360-864-4966**COMMUNICATIONS:** CTAF 122.9

SEATTLE CENTER APP/DEP CON 124.2

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.**OLYMPIA (H) VORTACW** 113.4 OLM Chan 81 N46°58.30'W122°54.11' 153° 29.9 NM to fld. 200/19E. **HIWAS.**

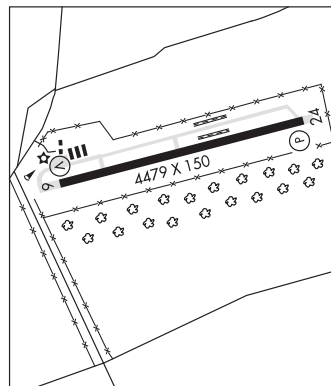
TACAN AZIMUTH & DME unusable:

223°-258° byd 20 NM blo 4,100'

258°-283° byd 30 NM blo 4,100'

358°-043° byd 10 NM blo 6,000'

358°-043° byd 20 NM blo 7,000'

**TONASKET MUNI** (W01) 2 NW UTC-8(-7DT) N48°43.49' W119°27.94'

SEATTLE

1311 B NOTAM FILE SEA

L-13A

RWY 15-33: H3053X50 (ASPH) MIRL**RWY 15:** PAPI(P2L)—GA 5.0° TCH 37'. Ground. Rgt tfc.**RWY 33:** PAPI(P2L)—GA 4.5° TCH 31'. Fence.**SERVICE:** LGT ACTIVATE MIRL Rwy 15-33—CTAF.**AIRPORT REMARKS:** Unattended. Mountains surround arpt. For night ops and wind permitting land Rwy 33 and depart Rwy 15. Distance to go markers S side arpt.**AIRPORT MANAGER:** (509) 322-5081**COMMUNICATIONS:** CTAF 122.9**RADIO AIDS TO NAVIGATION:** NOTAM FILE EPH.**EPHRATA (H) VORTACW** 112.6 EPH Chan 73 N47°22.68'

W119°25.44' 338° 80.9 NM to fld. 1250/21E.

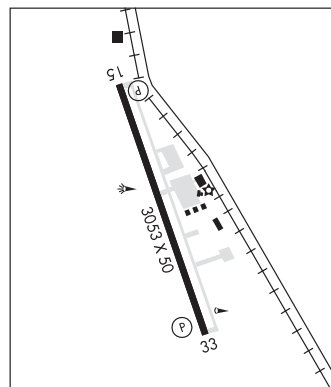
VOR unusable:

310°-350° byd 25 NM blo 6,500'

TACAN AZIMUTH & DME portion unusable:

280°-295° byd 25 NM blo 7,000'

310°-350° byd 25 NM blo 6,500'

**TRI-CITIES** (See PASCO on page 196)**TRINA** N46°10.53' W118°11.78' NOTAM FILE ALW.

SEATTLE

NDB (LOM) 353 AL 198° 6.1 NM to Walla Walla Rgnl.**TWISP MUNI** (2S0) 1 SE UTC-8(-7DT) N48°21.04' W120°05.64'

SEATTLE

1602 B NOTAM FILE SEA

RWY 10-28: H2701X36 (ASPH-CONC) MIRL**RWY 10:** Trees.**RWY 28:** PAPI(P2L)—GA 4.0°. Thld dsplcd 200'. Road.**SERVICE:** LGT ACTIVATE rotating bcn and MIRL Rwy 10-28 and PAPI Rwy 28—CTAF.**AIRPORT REMARKS:** Unattended. Mountainous terrain surrounds arpt. Deer and pedestrians on and in vicinity of arpt. Rwy 28 dsplcd thld marked by lgt fixture. Airport CTAF freq 122.9; another airport, Methow Valley State (S52) within 8 NM CTAF freq 122.8.**AIRPORT MANAGER:** (509) 322-3950**COMMUNICATIONS:** CTAF 122.9

VANCOUVER

FLY FOR FUN (W56) 4 NE UTC-8(-7DT) N45°41.24' W122°31.31'

SEATTLE

297 NOTAM FILE SEA

RWY 07-25: 2434X50 (TURF)

RWY 07: Fence.

RWY 25: Fence. Rgt tfc.

AIRPORT REMARKS: Unattended. Arpt CLOSED Christmas and Easter. Taxi on rwy and mowed grass areas only. Rwy 07-25 edge marked with yellow reflector cones.

AIRPORT MANAGER: 360-253-4850

COMMUNICATIONS: CTAF 122.9

PEARSON FLD (VUO)(KVUO) 2 SW UTC-8(-7DT) N45°37.23' W122°39.39'

SEATTLE

29 TPA-1029(1000) NOTAM FILE VUO

L-1C

RWY 08-26: H3275X60 (ASPH) MIRL

IAP

RWY 08: VASI(V4R)-GA 3.75° TCH 31'. Bridge.

RWY 26: REIL. PAPI(P2R). Thld displcd 762'. Tree. Rgt tfc.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 08: TORA-3275 TODA-3275 ASDA-3065 LDA-3065

RWY 26: TORA-3275 TODA-3275 ASDA-3275 LDA-2513

SERVICE: S4 FUEL 100LL OX 2 LGT Rwy 08 VASI unusable byd 6° left and rgt of rwy cntrln. ACTIVATE MIRL Rwy 08-26-CTAF.

AIRPORT REMARKS: Attended Nov-Mar Mon-Fri 1600-0100Z±, Apr-Oct 1600-0200Z±. Self svc fuel avbl 24 hrs by credit card. Geese on and invof arpt. Rwy 26 thld relocated 762' for ngt ops, 2513' of Rwy 08-26 lgtd at ngt. When opr over the rwy cntrln or rwy cntrln extdd, maintain at or blo 700' MSL due to tfc and wake turbulence from overflying acft to/from Portland International Arpt Rwy 10L-28R. Portland International Arpt Rwy 10L-28R extdd cntrln crosses Pearson Rwy 08 thld. Rwy 08-26 860' stopway on west end.

AIRPORT MANAGER: 360-487-8619

WEATHER DATA SOURCES: ASOS 135.125 (360) 696-1280.

COMMUNICATIONS: CTAF 119.0 UNICOM 123.0

VANCOUVER RCO 122.35 (SEATTLE RADIO)

Ⓡ **PORTLAND APP CON** 118.1 284.6 (100°-279° HIGH) 360.8 (280°-099°) 124.35

CLNC DEL 119.0 121.65

VFR ADVSY SVC 119.0

Ⓡ **PORTLAND DEP CON** 124.35 360.8

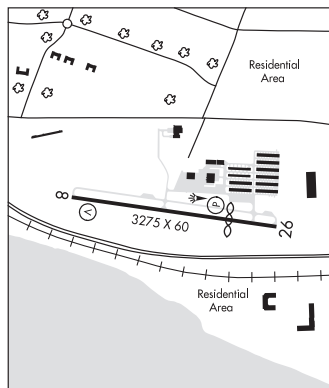
AIRSPACE: CLASS D svc continuous. vfr advisory service only..

RADIO AIDS TO NAVIGATION: NOTAM FILE PDX.

BATTLE GROUND (H) VORTACW 116.6 BTG Chan 113 N45°44.87' W122°35.49' 179° 8.1 NM to fld. 253/21E.

TACAN AZIMUTH & DME unusable:
035°-085° byd 35 NM blo 10,000'

COMM/NAV/WEATHER REMARKS: Arrivals ctc Pearson Advisory on 119.0 prior to entering Class D airspace for tfc and wake turbulence advisories. Departures ctc Pearson Advisory on 119.0 prior to departure.



VASHON MUNI (2S1) 1 NW UTC-8(-7DT) N47°27.52' W122°28.45'

SEATTLE

316 TPA-1299(983) NOTAM FILE SEA

RWY 17-35: 2001X60 (TURF) LIRL(NSTD) 0.4% up N

RWY 17: Trees. Rgt tfc.

RWY 35: Trees.

AIRPORT REMARKS: Unattended. Ocnl large wild animals on arpt. Rwy 17-35 soft when wet. Hangars 90' east and west of cntrln. Hill and deep ditch 5-10' west of rwy edge the full length. Touch and go lgds not recommended. Turbulence possible at north end of Rwy 17-35 with strong crosswinds. Helicopter parking area rstd to Medevac ops. NS ABTMT procedures in effect ctc arpt mgr 206-463-3142. Recommend calling for fld conditions 206-463-3142. Ngt ops only for pilots familiar with arpt close in obst, all quadrants. Rwy 17-35 NSTD LIRL, thld lgts 360° green. Gate combination 1168.

AIRPORT MANAGER: 206-463-3142

COMMUNICATIONS: CTAF 122.9

• • • • •
HELIPAD H1: 98X98 (TURF) Rwy LGTS(NSTD)

HELIPORT REMARKS: Helipad H1 yellow perimeter lgts. Helipad H1 for medivac emerg svcs only. Helipad H1 NSTD rwy lgts.

WALLA WALLA**PAGE** (9W2) 2 S UTC-8(-7DT) N46°00.99' W118°22.23'

SEATTLE

800 NOTAM FILE SEA

RWY 09-27: 2000X25 (TURF)**RWY 09:** Hill. Rgt tfc.**RWY 27:** P-line.**AIRPORT REMARKS:** Unattended.**AIRPORT MANAGER:** 509-529-3314**COMMUNICATIONS:** CTAF 122.9**WALLA WALLA RGNL** (ALW)(KALW) 3 NE UTC-8(-7DT) N46°05.71' W118°17.16'

SEATTLE

1194 B Class I, ARFF Index A NOTAM FILE ALW

H-1C, L-13A

RWY 02-20: H6527X150 (ASPH-GRVD) S-60, D-72, 2D-110 HIRL

IAP, AD

0.6% up NE

RWY 02: REIL. PAPI(P4L)—GA 3.0° TCH 45'.**RWY 20:** MALSR. PAPI(P4L)—GA 3.0° TCH 50'. RVR-T**RWY 07-25:** H4486X150 (CONC) S-42, D-55, 2D-105 1.3% up E**RUNWAY DECLARED DISTANCE INFORMATION****RWY 02:** TORA-6527 TODA-6527 ASDA-6527 LDA-6527**RWY 07:** TORA-4486 TODA-4486 ASDA-4486 LDA-4486**RWY 20:** TORA-6527 TODA-6527 ASDA-6527 LDA-6527**RWY 25:** TORA-4486 TODA-4486 ASDA-4486 LDA-4486**SERVICE:** S4 FUEL 100LL, JET A QX2 LGT When twr clsd ACTIVATE MALSR Rwy 20, REIL Rwy 02 and HIRL Rwy 02-20—CTAF.**AIRPORT REMARKS:** Attended 1400-0230Z†. Self svc credit card fueling facility lctd 600' north of twr. 24 hr fuel svc call 509-525-9851. Sfc conds unmonitored 0430-1130Z†. ARFF svcs avbl dur scheduled air carrier opr. Clsd to unscheduled air carrier ops with more than 30 pax seats exc PPR clat arpt mgr 509-525-3100. Rwy 07-25 clsd to scheduled air carrier. Rwy 07-25 dalgt use only. Twy C, west of Rwy 02-20 dalgt use only. Rwy 07-25 large cracks and sfc variations may impair directional cti.**AIRPORT MANAGER:** 509-525-3100**WEATHER DATA SOURCES:** ASOS 135.875 (509) 525-3014.**COMMUNICATIONS:** CTAF 118.5

RCO 122.3 (SEATTLE RADIO)

® CHINOOK APP/DEP CON 133.15 (1400-0600Z†)

® SEATTLE CENTER APP/DEP CON 132.6 (0600-1400Z†)

TOWER 118.5 (1400-0230Z†) GND CON 121.6

AIRSPACE: CLASS D svc 1400-0230Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE ALW.

(L) VORW/DME 116.4 ALW Chan 111 N46°05.22' W118°17.55' at fld. 1179/20E.

VOR/DME unusable:

010°-065° byd 31 NM blo 12,500'

065°-095° byd 20 NM blo 14,500'

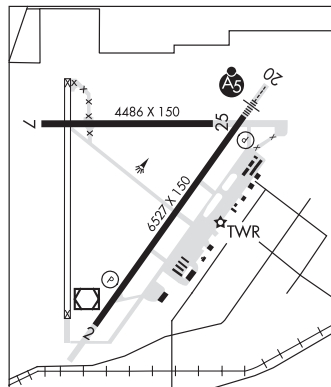
095°-140° byd 20 NM blo 13,500'

DME portion unusable:

140°-145° byd 20 NM blo 11,500'

TRINA NDB (LOM) 353 AL N46°10.53' W118°11.78' 198° 6.1 NM to fld.

ILS 111.7 I-ALW Rwy 20. Class IE. LOM TRINA NDB.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.**WALLULA** N46°01.36' W118°51.52'

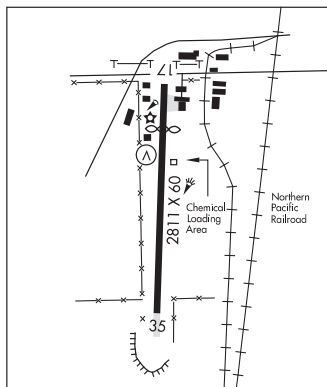
SEATTLE

RCO 122.6 (MC MINNVILLE RADIO)

L-13A

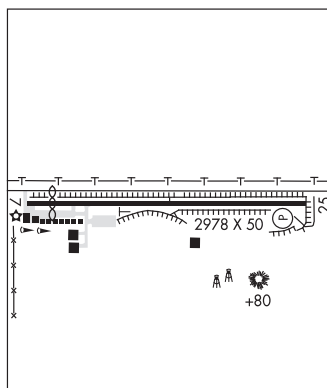
WARDEN (2S4) 1 W UTC-8(-7DT) N46°57.95' W119°03.98'
 1276 B NOTAM FILE SEA
RWY 17-35: H2811X60 (ASPH) MIRL
RWY 17: SAVASI(S2R). Thld dspcd 560'.
AIRPORT REMARKS: Unattended. Rwy 17-35 320' grvl ovrn south end. Rwy
 17-35 centerline paint chipping. No rwy numbers.
AIRPORT MANAGER: 509-750-4634
COMMUNICATIONS: CTAF 122.9

SEATTLE



WATERVILLE (2S5) 1 NE UTC-8(-7DT) N47°39.36' W120°03.39'
 2645 B NOTAM FILE SEA
RWY 07-25: H2978X50 (ASPH) S-5 MIRL
RWY 07: Thld dspcd 270'. Road.
RWY 25: PAPI(P2L)—GA 3.0°. Pole.
RUNWAY DECLARED DISTANCE INFORMATION
RWY 07: TORA-2800 TODA-2800 LDA-2500
RWY 25: TORA-2500 TODA-2500 LDA-2500
AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z†. First 272' of west end
 Rwy 07-25 unlgtd.
AIRPORT MANAGER: 509-884-4700
COMMUNICATIONS: CTAF 122.9

SEATTLE



WATON N48°04.57' W122°09.23' NOTAM FILE AWO.
NDB (LOM) 382 AW 341° 5.1 NM to Arlington Muni.

SEATTLE

WENATCHEE**PANGBORN MEM** (EAT)(KEAT) 4 E UTC-8(-7DT) N47°23.89' W120°12.34'

SEATTLE

1249 B Class I, ARFF Index A NOTAM FILE EAT

H-1C, L-1D, 13A

RWY 12-30: H5700X150 (ASPH-GRVD) S-75, D-100, 2S-97,

IAP, AD

2D-250 MIRL

RWY 12: REIL. PAPI(P4L)—GA 3.6° TCH 50'. Road. Rgt tfc.**RWY 30:** RAIL. REIL. PAPI(P2L)—GA 4.3° TCH 45'.**RWY 07-25:** H4460X75 (ASPH) S-50, D-77, 2S-97, 2D-136

1.0% up SE

RWY 07: Tree. Rgt tfc.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 07:** TORA-4460 TODA-4460 ASDA-4460 LDA-4460**RWY 12:** TORA-5700 TODA-5700 ASDA-5700 LDA-5700**RWY 25:** TORA-4460 TODA-4460 ASDA-4460 LDA-4460**RWY 30:** TORA-5700 TODA-5700 ASDA-5700 LDA-5700**SERVICE:** S4 FUEL 100LL, JET A 0X1, 2 LGT PAPI Rwy 12 and Rwy 30 opr continuously. ACTIVATE MIRL Rwy 12-30, REIL Rwy 12 and Rwy 30—CTAF.**AIRPORT REMARKS:** Attended 1600-0200Z. Rwy 07-25 clsd UFN. Rwy 07-25 has extv cracks, vegetation, and sfc deterioration. Cold temperature restricted airport. Altitude correction required at or below -7C/19F. 24 hr PPR for unscheduled air carrier ops with more than 30 pax seats call apt ops, 509-860-1852. Bird hazard. Glider activity from Mar-Nov. Ldg fee.**AIRPORT MANAGER:** 509-884-2494**WEATHER DATA SOURCES:** ASOS 119.925 (509) 886-4226.**COMMUNICATIONS:** CTAF/UNICOM 123.0

WENATCHEE RCO 122.6 (SEATTLE RADIO)

SEATTLE CENTER APP/DEP CON 126.1

AIRSPACE: CLASS E**RADIO AIDS TO NAVIGATION:** NOTAM FILE EAT.**WENATCHEE (L) VOR/DME** 111.0 EAT Chan 47 N47°23.98' W120°12.65' at fld. 1224/19E.

VOR/DME unusable:

073°-118° byd 25 NM blo 5,500'

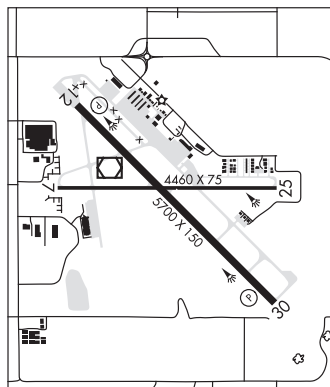
118°-153° byd 15 NM blo 14,500'

153°-243° byd 15 NM

243°-263° byd 35 NM blo 12,000'

290°-303° byd 14 NM blo 7,900'

303°-073° byd 20 NM

ILS/DME 109.35 I-ADJ Chan 30(Y) Rwy 12. LOC unusable byd 15 NM blo 5,700'. DME unmonitored.**WESTPORT** (14S) 1 N UTC-8(-7DT) N46°53.82' W124°06.04'

SEATTLE

14 B NOTAM FILE SEA

RWY 12-30: H2318X50 (ASPH) MIRL**RWY 12:** PAPI(P2L). Trees.**RWY 30:** PAPI(P2L). Rgt tfc.**AIRPORT REMARKS:** Unattended. Large bird nesting area adjacent to Rwy 12-30. Rwy 12-30 soft shoulders.**AIRPORT MANAGER:** 360-268-0131**COMMUNICATIONS:** CTAF 122.9**WHATCOM** N48°56.72' W122°34.76' NOTAM FILE BLI.

SEATTLE

(H) VORTACW 113.0 HUH Chan 77 150° 9.3 NM to Bellingham Intl. 83/20E. HIWAS.

H-18, L-1E

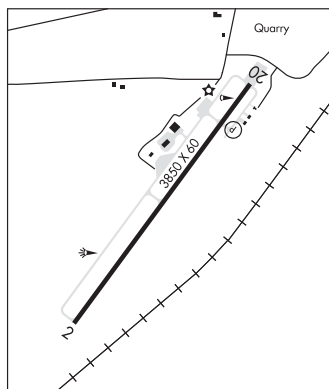
TACAN AZIMUTH unusable:

155°-165° byd 15 NM blo 6,000'

WHIDBEY AIR PARK (See LANGLEY on page 186)

WHIDBEY ISLAND NAS (AULT FLD) (NUW)(KNUW) N 3 N UTC-8(-7DT) N48°21.11' W122°39.36' SEATTLE
 47 B TPA—See Remarks NOTAM FILE NUW Not insp. H-1B, L-1E
RWY 14-32: H8001X200 (CONC) PCN 59 R/B/W/T HIRL CL DIAP, AD
RWY 14: ALSF2. TDZL.
RWY 32: ALSF2.
RWY 07-25: H8000X200 (CONC) S-142, D-257, 2D-455 PCN 35 R/C/W/T HIRL
RWY 07: REIL.
RWY 25: ALSF1.
ARRESTING GEAR/SYSTEM
RWY 14 HOOK (15' OVRN) HOOK BAK 14-E-28(B) (1420'). BAK-14-E-28(B) (1925') HOOK E5 (14' OVRN). **RWY 32**
RWY 07 HOOK (15' OVRN) HOOK E28(B) (2425'). HOOK E28(B) (1930') HOOK E5 (15' OVRN). **RWY 25**
SERVICE: **FUEL** 100LL **OX** 1, 2 **LGT** OLS lenses avbl to all rwy. HIRL and SFL unavbl to Rwy 07. REIL avbl to Rwy 07
 only. RCLL avbl to Rwy 14-32 only.
MILITARY—A-GEAR E5 RATINGS-07-355 HW (DRY), 25-335 HW (DRY), 14-620 HW (DRY), 32-595 HW (DRY) **JASU**
 1 (NC-10C), 1 (GTC-85/GTE-85), 1 (MSU-200NAV/ A/U47A-5. **FUEL** J8 **FLUID** SP PRESAIR De-ice (2 hr PN req) LHOX
 LOX **TRAN ALERT** Tran crew must provide technical direct/assistance in svc/maint to include direct supervision of fueling. Ltd
 svc/maint avbl 1500-2300Z† Mon-Fri. No maint Sat, Sun and hol. Air Terminal opr 1400-0200Z†, as rqr OT.
MILITARY REMARKS: **RSTD** PPR for all acft exc Search and Rescue/Medevac ctc Air Terminal Supervisor, 1430-0100Z† at DSN
 820-2604/6707, C360-257-2604/6707. Prior coord/flt advsy rqr for AMC/JOSAC/NALO msn. **CAUTION** All E5 overrun
 A-Gear rigged at all times, accidental engagement in the wrong direction will result in acft damage and may result in injury
 or loss of life. Bird haz, See FLIP AP/1 Supplementary Arpt Remark. **TFC PAT** TPA-Overhead initial for Rwy 07, 14, and
 32 4 NM 2500(2453), Rwy 25 6 NM 3000(2953), overhead break 1500(1453), pat alt 1000(953). Reduced rwy
 separation all USN/USMC acft. **CSTMS/AG/IMG** 48 hr prior notice rqr, ctc Air Terminal Supervisor, 1430-0100Z† at DSN
 820-2604/6707, C360-257-2604/6707. **MISC** TRN-28 Chan 18.
COMMUNICATIONS: ATIS 134.15 281.5 PTD 350.1
 (R) **APP/DEP CON** 120.7 270.8 (EAST) 118.2 285.65 (WEST)
TOWER 127.9 340.2 **GND CON** 121.75 336.4 **CLNC DEL** 135.1 124.15 379.9
PRE TAXI CLNC 135.1 124.15 380.0
PMSV METRO 343.4 **BASE OPS** 350.1
AIRSPACE: **CLASS C** svc ctc **APP CON** svc continuous.
RADIO AIDS TO NAVIGATION: NOTAM FILE NUW.
 (H) **TACAN** Chan 85 NUW (113.8) N48°21.30' W122°39.71' at fld. 60/18E.
TACAN AZIMUTH unusable:
 133°-163° byd 30 NM blo 4,000'
TACAN operates 1530-0800Z†
ILS 110.1 I-NUW Rwy 14. Glideslope unusable byd 3° west of course and 5° east of course due to lack of defined
 glide path and clnc abv path.
ASR/PAR
COMM/NAV/WEATHER REMARKS: VFR advisory svc ctc **APP CON**. Pre-taxi clnc 135.1 used for pre taxi clnc at NUW, 124.15 on
 gnd clnc del at CLM-Port Angeles. Radar see Terminal FLIP for Radar Minima.

WILBUR (2S8) 2 SW UTC-8(-7DT) N47°45.20' W118°44.63' SEATTLE
 2183 B NOTAM FILE SEA L-13A
RWY 02-20: H3850X60 (ASPH) S-15.5 MIRL 0.5% up N IAP
RWY 02: REIL.
RWY 20: REIL. PAPI(P2L)—GA 3.0° TCH 40'.
SERVICE: **FUEL** 100LL, JET A **LGT** PAPI Rwy 20 opr continuously.
 ACTIVATE MIRL Rwy 02-20 and REIL Rwy 02 and Rwy 20—CTAF.
AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z†.
AIRPORT MANAGER: 509-647-2396
WEATHER DATA SOURCES: AWOS-2 124.175 (509) 647-0337.
COMMUNICATIONS: CTAF 122.9
 (R) **GRANT COUNTY APP/DEP CON** 126.4 (1400-0600Z†)
 (R) **SEATTLE CENTER APP/DEP CON** 126.1 (0600-1400Z†)
RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.
EPHRATA (H) VORTACW 112.6 EPH Chan 73 N47°22.68'
 W119°25.44' 030° 35.7 NM to fld. 1250/21E.
VOR unusable:
 310°-350° byd 25 NM blo 6,500'
TACAN AZIMUTH & DME portion unusable:
 280°-295° byd 25 NM blo 7,000'
 310°-350° byd 25 NM blo 6,500'



WILL ROGERS WILEY POST MEM SPB (See RENTON on page 202)

WILLAPA HARBOR (See SOUTH BEND(RAYMOND) on page 210)

WILLARD FLD (See TEKOA on page 214)

WILLIAM R FAIRCHILD INTL (See PORT ANGELES on page 197)

WILSON CREEK (5W1) 1 E UTC-8(-7DT) N47°25.49' W119°06.90'

SEATTLE

1440 NOTAM FILE SEA

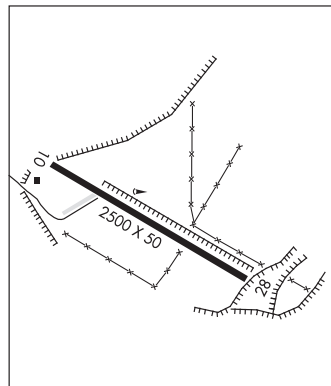
RWY 10-28: H2500X50 (ASPH)

RWY 10: Bldg.

AIRPORT REMARKS: Unattended.

AIRPORT MANAGER: (509) 345-2001

COMMUNICATIONS: CTAF 122.9



WINTHROP

METHOW VALLEY STATE (S52) 3 SE UTC-8(-7DT) N48°25.50' W120°08.75'

SEATTLE

1706 B NOTAM FILE SEA

RWY 13-31: H5049X75 (ASPH) S-30 MIRL

RWY 13: PAPI(P2L)—GA 3.5° TCH 43'. Thld displd 129'.

RWY 31: Thld displd 231'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 13: TORA-5049 TODA-5049 ASDA-4749 LDA-4619

RWY 31: TORA-5049 TODA-5049 ASDA-4919 LDA-4619

SERVICE: FUEL 100LL, JET A LGTACTIVATE MIRL Rwy 13-31 and rotating bcn—CTAF.

AIRPORT REMARKS: Unattended. 100LL and Jet A avbl 24 hrs. Lctd 100 yds north of smoke jumper base. Heavily loaded acft may be making straight out departures and long final apch all dalgt hrs to include forest fire helibase ops May-Sep. Pedestrians, vehicles, and animals on and invof arpt. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. Mountainous terrain surrounds arpt. Rotating bcn OTS indef.

AIRPORT MANAGER: (360) 618-2477

WEATHER DATA SOURCES: AWOS-3 118.425 (509) 997-0142. Ots indef.

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRA (H) VORTACW 112.6 EPH Chan 73 N47°22.68' W119°25.44' 314° 69.3 NM to fld. 1250/21E.

VOR unusable:

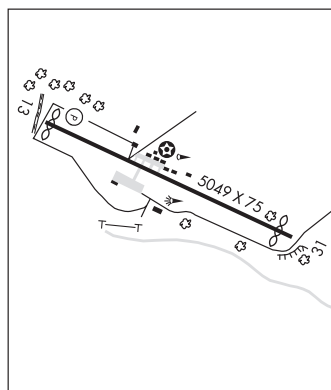
310°-350° byd 25 NM blo 6,500'

TACAN AZIMUTH & DME portion unusable:

280°-295° byd 25 NM blo 7,000'

310°-350° byd 25 NM blo 6,500'

COMM/NAV/WEATHER REMARKS: USDA Forest Svc smoke jump base UNICOM. Ltd advisories related to base ops mostly during summer fire season.



WOODLAND STATE (W27) 1 SE UTC-8(-7DT) N45°53.93' W122°44.24'
29 NOTAM FILE SEA

SEATTLE

RWY 14-32: H1953X25 (ASPH) LIRL

RWY 14: Thld dsplcd 290'. Pole. Rgt tfc.

RWY 32: Trees.

AIRPORT REMARKS: Unattended. Vehicles, pedestrians, and animals on and invof arpt. Ctc WA State Aviation Division 360-709-8015 or 1-800-552-0666 WA area for facility info prior to use. For acft accidents/incidents ctc WA state emergency operations center 800-258-5990. 12' dike northwest end. Extreme turbulence possible when winds from the east. P-line in apch to Rwy 14. Rwy 32 trees, bridge, low hill at southeast end.

AIRPORT MANAGER: (360) 618-2477

COMMUNICATIONS: CTAF 122.9

YAKIMA AIR TERMINAL/MCALLISTER FLD (YKM)(KYKM) 3 S UTC-8(-7DT) N46°34.09'
W120°32.64'

SEATTLE

H-1C, L-13A

IAP, DIAP, AD

1099 B Class I, ARFF Index A NOTAM FILE YKM

RWY 09-27: H7604X150 (ASPH-GRVD) S-95, D-160, 2S-175, 2D-220, 2D/2D2-550 PCN 33 F/C/X/T

HIRL 0.7% up W

RWY 09: REIL. VASI(V4L)—GA 3.0° TCH 50'.

RWY 27: MALSR. PAPI(P4L)—GA 3.0° TCH 57'. RVR-T

RWY 04-22: H3835X150 (ASPH-PFC) S-70, D-80, 2S-102, 2D-120 PCN 28 F/C/X/T MIRL 0.5% up SW

RWY 04: REIL. PAPI(P4L)—GA 3.0° TCH 57'.

RWY 22: REIL. PAPI(P4L)—GA 3.0° TCH 45'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-3835 TODA-3835 ASDA-3835 LDA-3835

RWY 09: TORA-7604 TODA-7604 ASDA-7604 LDA-7604

RWY 22: TORA-3835 TODA-3835 ASDA-3835 LDA-3835

RWY 27: TORA-7604 TODA-7604 ASDA-7604 LDA-7604

SERVICE: S4 FUEL 100LL, JET A OX 1, 3 LGT MIRL Rwy 04-22, REIL Rwy 04 and Rwy 22, PAPI Rwy 04 and Rwy 22
OTS when twr clsd. Twy B1 and Twy B2 twy lgts OTS when twr clsd. Twy B lgts south of Rwy 09-27 OTS when twr clsd.
When twr clsd ACTIVATE HIRL Rwy 09-27 and MALSR Rwy 27—CTAF.

AIRPORT REMARKS: Attended 1400-0400Z†. Sfc cond unmonitored 0800-1330Z†. Be alert, birds invof Yakima River 5 NM east of apch to Rwy 27. Cold temperature restricted airport. Altitude correction required at or below -23C/-9F. Reflectors on Twy C only. Rwy 04-22 some spalling and raveling. PPR for unscheduled air carrier ops with more than 30 pax seats, call arpt mgr 509-575-6149/6150. Twy B from AER 22 to Twy A rstd to acft with wingspans 79' or less.

AIRPORT MANAGER: 509-575-6149

WEATHER DATA SOURCES: ASOS (509) 248-1502

COMMUNICATIONS: CTAF 133.25 ATIS 125.25 UNICOM 122.95

RCO 122.5 (SEATTLE RADIO)

® CHINOOK APP/DEP CON 123.8 (1400-0600Z†)

® SEATTLE CENTER APP/DEP CON 132.6 (0600-1400Z†)

TOWER 133.25 (1400-0600Z†) GND CON 121.9 CLNC DEL 121.9

AIRSPACE: CLASS D svc 1400-0600Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE YKM.

(H) VORTACW 116.0 YKM Chan 107 N46°34.21' W120°26.68' 247° 4.1 NM to fld. 984/21E.

TACAN AZIMUTH & DME unusable:

095°-115° byd 26 NM blo 8,000'

095°-115° byd 35 NM

115°-207° byd 20 NM blo 8,500'

115°-207° byd 36 NM blo 10,000'

207°-230° byd 20 NM blo 10,000'

290°-315° byd 20 NM blo 11,000'

315°-080° byd 12 NM blo 15,000'

VOR portion unusable:

025°-035° byd 5 NM blo 6,000'

080°-105° byd 35 NM blo 6,000'

105°-107° byd 25 NM blo 6,000'

109°-135° byd 25 NM blo 6,000'

135°-180° byd 30 NM blo 7,500'

195°-225° byd 30 NM blo 8,500'

305°-335° byd 30 NM blo 9,000'

350°-080° byd 25 NM blo 9,000'

DONNY NDB (LOM) 371 YK N46°31.54' W120°22.33' 274° 7.6 NM to fld.

ILS 110.1 I-YKM Rwy 27. LOM DONNY NDB. Unmonitored when ATCT closed.

COMM/NAV/WEATHER REMARKS: During hrs twr is clsd all ops invof arpt rstd to acft with VHF radio capability, unless an emerg exist necessitating UHF equipped acft to land.

AFTON MUNI (AFO)(KAFO) 1 SW UTC-7(-6DT) N42°42.53' W110°56.53'
6221 B NOTAM FILE CPR

RWY 16-34: H7025X75 (ASPH) S-24 MIRL 0.5% up S

RWY 16: REIL. PAPI(P4L)—GA 2.5° TCH 40'. Pole. Rgt tfc.

RWY 34: REIL. PAPI(P4L)—GA 2.5° TCH 40'. Tree.

SERVICE: S4 **FUEL** 100LL, JET A **OX** 1 **LGT** ACTIVATE MIRL Rwy 16-34, REIL Rwy 16 and Rwy 34 and PAPI Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z, Sat 1500-1900Z. Fuel 24 hr credit card svc avbl. Snowbanks 4' to 7' along rwys and twys edges from Oct-May with slick spots all sfcs. Cold temperature restricted airport. Altitude correction required at or below -22C/-8F. All twys marked with reflective markers. Rwy 16 PAPI does not provide obst clnc byd 5.0 NM from thld, unusbl byd 5.0 NM. Rwy 34 PAPI does not provide obst clnc byd 5.0 NM from thld, unusbl byd 5.0 NM.

AIRPORT MANAGER: 307-885-3245

WEATHER DATA SOURCES: AWOS-3P 119.025 (307) 885-2654.

COMMUNICATIONS: CTAF/UNICOM 122.8

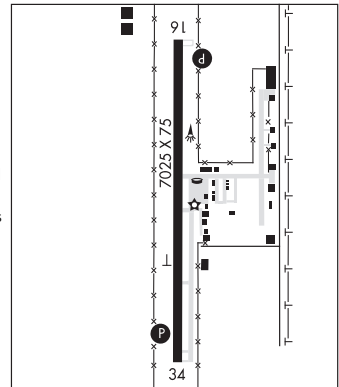
BIG PINEY RCO 122.3 (CASPER RADIO)

SALT LAKE CENTER APP/DEP CON 128.35

RADIO AIDS TO NAVIGATION: NOTAM FILE BPI.

BIG PINEY (H) VORW/DME 116.5 BPI Chan 112 N42°34.77' W110°06.55' 266° 37.7 NM to fld. 6953/16E.

SALT LAKE CITY
H-3E, L-11D
IAP



ALPINE (46U) 1 NW UTC-7(-6DT) N43°10.91' W111°02.31'
5647 TPA-6647(1000) NOTAM FILE CPR

RWY 13-31: H5850X50 (ASPH) S-50 0.3% up SE

RWY 13: Rgt tfc.

RWY 31: Thld dspcd 400'. Road.

SERVICE: **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 13-31—CTAF.
AIRPORT REMARKS: Unattended. Arpt CLOSED ngts. Fuel avbl by 24 hr credit card svc. Full svc Jet A, full svc AVGAS, self svc AVGAS, FBO facility, hangar space, ramp space avbl. Call for rwy cond in winter. Wx permitting land Rwy 13, tkf Rwy 31. Avoid low level fit over city or east of rwy. Birds on and invof arpt. Glider ops invof arpt, including tfc pat. Fences, bldgs and trees within 120' north and south of cntrln first 4100' Rwy 31.

AIRPORT MANAGER: 307-654-4646

WEATHER DATA SOURCES: AWOS-3 119.925 (307) 654-2004.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE PIH.

POCATELLO (H) VORW/DME 112.6 PIH Chan 73 N42°52.22' W112°39.13' 058° 73.4 NM to fld. 4433/17E.

VOR portion unusable:

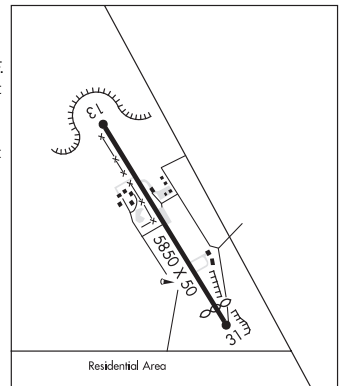
060°-130° byd 25 NM blo 13,500'

DME portion unusable:

060°-130° byd 25 NM blo 17,000'

160°-175° byd 25 NM blo 13,000'

SALT LAKE CITY
H-3E, L-11D



ANTELOPE GAP N42°01.82' W104°44.58'
RCO 122.2 (CASPER RADIO)

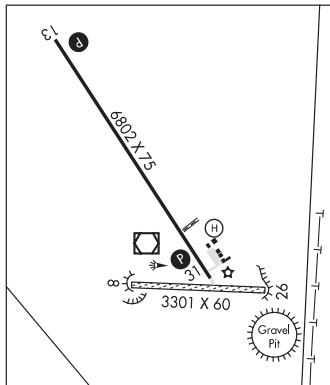
CHEYENNE
L-12F

BIG PINEY**MILEY MEM FLD** (BPI)(KBPI) 3 N UTC-7(-6DT) N42°34.93' W110°06.53'

6994 B NOTAM FILE BPI

RWY 13-31: H6802X75 (ASPH) S-45, D-60 MIRL 0.7% up NW**RWY 13:** REIL. PAPI(P2L)—GA 3.0° TCH 31'.**RWY 31:** REIL. PAPI(P2L)—GA 3.0° TCH 30'.**RWY 08-26:** 3301X60 (TURF-DIRT)**RWY 08:** Pole.**SERVICE:** **FUEL** 100LL, **JET A** **LGT** ACTIVATE MIRL **Rwy 13-31**, PAPI **Rwy 13** and **Rwy 31**, and **REIL Rwy 13** and **Rwy 31**—122.7.**AIRPORT REMARKS:** Attended Mon-Sun 1500-2300Z†. For svc after hrs call 307-276-4022. Attendant resides on premises. Fuel 24 hr credit card svc avbl. Jet A truck also avbl. Wildlife on and invof arpt. **Rwy 08-26** no line of sight between rwy ends. **Rwy 08-26** has rough ride and no acft egress. 3' to 5' snowbanks along rwy and twy edges during winter months. **Rwy 31** last 1000' rollout end of rwy amber and white MIRL.**AIRPORT MANAGER:** (307) 231-5516**WEATHER DATA SOURCES:** ASOS 135.225 (307) 276-9917.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RCO** 122.3 (CASPER RADIO)**RADIO AIDS TO NAVIGATION:** NOTAM FILE BPI.**BIG PINEY (H) VOR/DME** 116.5 BPI Chan 112 N42°34.77'

W110°06.55' at fld. 6953/16E.

SALT LAKE CITY**H-3E, L-11D****IAP****BOYSEN RESERVOIR** TBX N43°27.88' W108°14.31' /7298

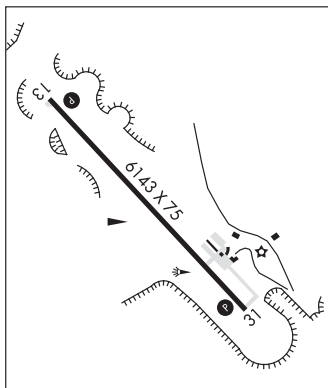
AWOS-3PT 119.150 (307) 709-4487

CHEYENNE**H-3E, L-11E****BOYSEN RESERVOIR** N43°27.79' W108°17.98' NOTAM FILE CPR.**(H) VOR/DME** 117.8 BOY Chan 125 002° 12.3 NM to Hot Springs Co-Thermopolis Muni. 7550/16E.**RCO** 122.3 (CASPER RADIO)**CHEYENNE****H-3E, L-11E****BUFFALO****JOHNSON CO** (BYG)(KBYG) 3 NW UTC-7(-6DT) N44°22.87' W106°43.31'

4970 B NOTAM FILE BYG

RWY 13-31: H6143X75 (ASPH) S-12.5 MIRL 1.1% up NW**RWY 13:** PAPI(P4L)—GA 3.0° TCH 51'. Fence.**RWY 31:** REIL. PAPI(P4L)—GA 3.0° TCH 42'.**SERVICE:** S4 **FUEL** 100LL, **JET A** **OX 1** **LGT** ACTIVATE MIRL **Rwy 13-31**, PAPI **Rwy 13** and **Rwy 31** and **REIL Rwy 31**—CTAF.**AIRPORT REMARKS:** Attended Mon-Fri 1500-0000Z†, Sat 1500-1900Z†.For service after hrs call 307-217-1153 or 210-287-1548. 100LL avbl self svc credit card. For Jet A after hrs phone 307-217-1153 or 210-287-1548. Deer on and invof arpt. Terrain drops off both sides of **Rwy 13-31**. **Rwy 31** +250' drop 170' left first 417'.**AIRPORT MANAGER:** 307-684-9672**WEATHER DATA SOURCES:** ASOS 135.425 (307) 684-2558.**COMMUNICATIONS:** CTAF/UNICOM 122.8**CRAZY WOMAN** **RCO** 122.025 (CASPER RADIO)**RADIO AIDS TO NAVIGATION:** NOTAM FILE CPR.**CRAZY WOMAN (H) VOR/DME** 117.3 CZI Chan 120 N43°59.98'

W106°26.14' 319° 26.0 NM to fld. 4800/13E.

CHEYENNE**H-1E, 2G, L-13D****IAP**

CAMP GUERNSEY (GUR)(KGUR) MIL/CIV 1 SE UTC-7(-6DT) N42°15.59' W104°43.70'

4402 B NOTAM FILE CPR

CHEYENNE

H-3F, 5A, L-12F

IAP, AD

RWY 14-32: H5060X90 (ASPH-PFC) PCN 56 R/B/W/T MIRL(NSTD)

1.3% up NW

RWY 14: PAPI(P4L)—GA 3.3° TCH 38'.

RWY 32: PAPI(P4L)—GA 3.3° TCH 38'. Rgt tfc.

SERVICE: S2 **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 14-32—CTAF.

MILITARY— **LGT** Mil bcn. **FUEL** J8(Mil) (NC-100LL - Avbl H24 self-svc credit card). PPR required for any acft requiring svcs and/or parking on mil ramp. Crews must act as their own svcg supervisors

AIRPORT REMARKS: Attended 1500-0000Z±. Fuel avbl 24 hr credit card svc. Deer and wildlife on and invof rwy. 40' drop off on both apch EOR.

Rwy 14-32 10' asph non-wt bearing shoulders. Rwy 14-32 10' asph non-wt bearing shoulders. Rwy 14-32 NSTD MIRL, thld lgts only, 3 lgts on Rwy 14, 4 lgts on Rwy 32. Parallel twy for civ and mil use. Air/gnd eqpt and crash rescue avbl at ETA/ETD if rqrd with PPR.

MILITARY REMARKS: RSTD All tran mil acft PPR DSN 334-7884/7832

C307-836-7884/7832. C-130 must use conc turn around at each thld or ctr int. Extv helicopter and C-130 ops yr round. Extv mil rotor wing and C-130/C-17 fixed-wing ops yr round. Acft weighing more than 12,500 lbs must use conc turnarounds at each thld int.

TFC PAT Fixed wing 5900'. Rotary Wing 5100'. Left tfc Rwy 14, rgt tfc Rwy 32. **MISC** Small arms range 1 NM S. R-7001A, B, C 6NM NW. Aircrews must obtain apvl from Guernsey ATS prior to entering R-7001 when active. **ARNG** No tran mil maint avbl.

AIRPORT MANAGER: 307-836-7832

WEATHER DATA SOURCES: AWOS-3 119.825 (307) 836-7862.

COMMUNICATIONS: CTAF 126.2

DENVER CENTER APP/DEP CON 135.6 363.025

TOWER 126.2 233.3 (1600-0000Z± Mon-Fri exc federal hol, other times by NOTAM)

RADIO AIDS TO NAVIGATION: NOTAM FILE DGW.

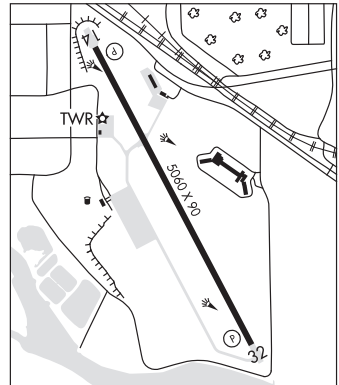
HIPSHER (L) VORW/DME 108.6 IIP Chan 23 N42°40.57' W105°13.57' 126° 33.4 NM to fld. 4906/12E.

NDB (HW) 280 GYZ N42°14.40' W104°42.86' 321° 1.3 NM to fld. NOTAM FILE CPR.

NDB unusable:

110°-120° byd 25 NM blo 6,500'

195°-280° byd 10 NM



CASPER**CASPER/NATRONA CO INTL** (CPR)(KCPR) 7 NW UTC-7(-6DT) N42°54.35' W106°27.82'**CHEYENNE**

5344 B LRA Class I, ARFF Index B NOTAM FILE CPR

H-3F, 5A, L-11E, 12F**RWY 03-21:** H10165X150 (ASPH-GRVD) S-130, D-170, 2S-175,**IAP, AD**

2D-270 HIRL

RWY 03: MALSR. PAPI(P4R)—GA 3.0° TCH 50'. RVR-T**RWY 21:** REIL. VASI(V4L)—GA 3.0° TCH 56'.**RWY 08-26:** H8679X150 (ASPH-GRVD) S-85, D-140, 2S-175,

2D-260 HIRL

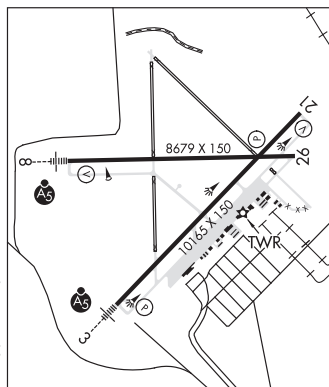
RWY 08: MALSR. VASI(V4R)—GA 3.0° TCH 103'. RVR-T**RWY 26:** REIL. PAPI(P4R)—GA 3.0° TCH 50'. 0.4% up.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 03:** TORA-10165 TODA-10165 ASDA-10165 LDA-10165**RWY 08:** TORA-8679 TODA-8679 ASDA-8679 LDA-8679**RWY 21:** TORA-10165 TODA-10165 ASDA-10165 LDA-10165**RWY 26:** TORA-8679 TODA-8679 ASDA-8679 LDA-8679**SERVICE:** S4 FUEL 100LL, JET A OX 1, 2, 3, 4 LGT When twr clsd
ACTIVATE HIRL Rwy 03-21 and Rwy 08-26, MALSR Rwy 03 and Rwy
08 and twy lgts—CTAF.**AIRPORT REMARKS:** Attended continuously. Emerg pwr avbl Rwy 08-26 and
Rwy 03-21. Rwy 08-26 and Rwy 03-21 have lgtd distn remaining
signs. 225' crane 1 NM northeast of arpt. US CSTMS user fee arpt.
Flight Notification Service (ADCUS) available.**AIRPORT MANAGER:** 307-472-6688**WEATHER DATA SOURCES:** ASOS (307) 265-4461 LAWRS 1200-0400Z†.**COMMUNICATIONS:** CTAF 118.3 ATIS 126.15 UNICOM 122.95

RCO 122.4 (CASPER RADIO)

® APP/DEP CON 120.65 (1200-0400Z†)

® DENVER CENTER APP/DEP CON 135.6 (0400-1200Z†)

TOWER 118.3 (1200-0400Z†) GND CON 121.9 CLNC DEL 121.9

AIRSPACE: CLASS D svc 1200-0400Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE CPR.**MUDDY MOUNTAIN (H) VORW/DME** 116.2 DDY Chan 109 N43°05.45' W106°16.62' 205° 13.8 NM to fld.
5863/12E.**JOHNO NDB (LOM)** CP N42°54.43' W106°34.20' 079° 4.7 NM to fld.**ILS 111.3** I-SYD Rwy 03. Class IB. Syd LOC is unmonitored from 0400-1200Z† daily.**ILS 110.3** I-CPR Rwy 08. Class 1E. LOM JOHNO NDB. Glide SLOPE unusable above 7,100.**COMM/NAV/WEATHER REMARKS:** Emerg freq 121.5 not avbl at twr. For clnc req and del when twr is clsd ctc Casper Radio on
118.3.**HARFORD FLD** (HAD)(KHAD) 5 N UTC-7(-6DT) N42°55.46' W106°18.57'**CHEYENNE**

5370 NOTAM FILE CPR

RWY 07-25: 3810X30 (DIRT)**RWY 07:** Bldg.**AIRPORT REMARKS:** Unattended. Antelope on and invof arpt. Rwy 07-25 first 270' of rwy from thld can be muddy with
standing water after rain. Possible animal carcass and/or other debris on rwy. Rutting, depressions, and erosion present
on rwy. Rwy 07-25 has +2-4' berms 40' either side of cntrln. Old style cones/lgts mark rwy 40' either side of cntrln
Rwy 07-25. Line of sight problem btn Rwy 07 and Rwy 25, Rwy 25 slopes uphill first 510'. Abandoned arpt 1.5 miles
west.**AIRPORT MANAGER:** 307-262-0606**COMMUNICATIONS:** CTAF 122.9**CASPER** N42°53.75' W106°27.54'**CHEYENNE**

RCO 122.4 (CASPER RADIO)

L-11E, 12F**CHEROKEE** N41°45.34' W107°34.92' NOTAM FILE CPR.**CHEYENNE****(H) VORW/DME** 115.0 CKW Chan 97 065° 17.4 NM to Rawlins Muni/Harvey Fld. 7050/15E.**H-3E, L-11E**

RCO 122.4 (CASPER RADIO)

CHEYENNE RGNL/JERRY OLSON FLD (CYS)(KCYS) P (AF ANG ARNG) 1 N UTC-7(-6DT)

CHEYENNE
H-3F, 5A, L-12F
IAP, AD

N41°09.34' W104°48.63'

6160 B Class II, ARFF Index A NOTAM FILE CYS

RWY 09-27: H9270X150 (CONC-GRVD) S-75, D-140, 2S-150,
2D-150, 2D/2D2-250 HIRL

RWY 09: REIL. PAPI(P4L)—GA 3.0° TCH 50'. Thld dspcd 610'. Tree.
0.4% down.

RWY 27: MALSR. PAPI(P4L)—GA 3.0° TCH 55'. RVR-T Thld dspcd
675'. 0.7% up.

RWY 13-31: H6690X150 (ASPH-GRVD) S-75, D-120, 2S-150,
2D-150, 2D/2D2-200 MIRL 0.5% up NW

RWY 13: REIL. VASI(V4L)—GA 3.0° TCH 30'. Thld dspcd 1060'.
Fence.

RWY 31: REIL. VASI(V4L)—GA 3.0° TCH 28'. Thld dspcd 1160'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 09: TORA-9270 TODA-9270 ASDA-8595 LDA-7985

RWY 13: TORA-5530 TODA-6690 ASDA-5890 LDA-4830

RWY 27: TORA-9270 TODA-9270 ASDA-8660 LDA-7985

RWY 31: TORA-6690 TODA-6690 ASDA-6040 LDA-4880

SERVICE: S2 FUEL 100LL, JET A, A1 OX 1, 2 LGT ACTIVATE HIRL

Rwy 09-27, MIRL Rwy 13-31, PAPI Rwy 09 and Rwy 27, VASI Rwy
13 and Rwy 31, REIL Rwy 09, Rwy 13 and Rwy 31 and MALSR Rwy
27—CTAF.

MILITARY— JASU 2(MA-1A) 1(MC-1A) 3(A/M-32A-86D) **FUEL** A+ (avbl 1300-0500Z†, C307-634-7071, after hr
C307-634-7079 \$50 fee). A++ avbl at ANG. (NC-100LL, A, A1). Maint and fuel support for C-130 avbl with ANG
PPR only, all other acft with ANG PPR must provide refuel/maint pers

AIRPORT REMARKS: Attended 1300-0500Z†. After hrs fuel call 307-634-7079. Bird activity invof arpt. Heavy helicopter tfc
2 NM southwest of arpt sfc to 1000' AGL dur dalgt wkdays. Pilots should avoid F.E. Warren AFHP at all times. PPR for
unscheduled air carrier ops when twr clsd call arpt mgr 307-638-3872. Twy C clsd north of Twy F. Twy D and Twy G
clsd indef. Caution: Twy B1, Twy C and Twy E hold short lines for all rwys. Rwy cond report avbl on req from twr
1300-0500Z† 30 min prior ntc rqrd.

AIRPORT MANAGER: 307-634-7071

WEATHER DATA SOURCES: ASOS (307) 632-7680 SAWRS.

COMMUNICATIONS: CTAF 118.7 ATIS 134.425 UNICOM 122.95

RCO 122.3 (CASPER RADIO)

Ⓡ **CHEYENNE APP/DEP CON** 124.55 (1300-0500Z†)

Ⓡ **DENVER CENTER APP/DEP CON** 125.9 (0500-1300Z†)

TOWER 118.7 (1300-0500Z†) **GND CON** 121.9

AIRSPACE: CLASS D svc 1300-0500Z† other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE CYS.

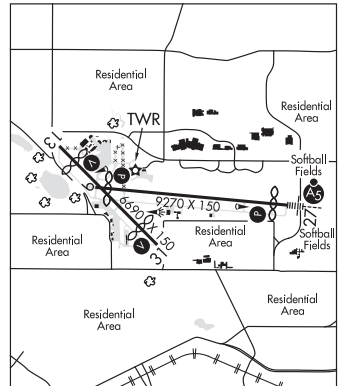
(H) **VORTACW** 113.1 CYS Chan 78 N41°12.66' W104°46.37' 194° 3.7 NM to fld. 6211/13E.

TACAN AZIMUTH unusable:
130°-150°

HORSE NDB (LOM) 353 CY N41°08.81' W104°40.74' 265° 6.0 NM to fld.

ILS 110.1 I-CYS Rwy 27. Class IB. LOM HORSE NDB. Unmonitored when ATCT closed.

ASR/PAR (Mon-Thu 1500-2000Z†, except federal holidays)



CODY

YELLOWSTONE RGNL (COD)(KCOD) 2 SE UTC-7(-6DT) N44°31.21' W109°01.43'

GREAT FALLS

5102 B Class I, ARFF Index A NOTAM FILE COD

H-1E, L-13D

RWY 04-22: H8268X100 (ASPH-GRVD) S-95, D-124, 2S-101,

IAP

2D-193 PCN 38 F/D/X/T HIRL

RWY 04: REIL. PAPI(P4L)—GA 3.5° TCH 63'. Thld displcd 690'. Pole. 0.7% down.

RWY 22: REIL. PAPI(P4L)—GA 3.0° TCH 53'. Thld displcd 400'.

Ground.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-8268 TODA-8268 ASDA-7868 LDA-7178

RWY 22: TORA-8268 TODA-8268 ASDA-7578 LDA-7178

SERVICE: S4 FUEL 100, JET A OX 1 LGT ACTIVATE HIRL Rwy 04-22, REIL Rwy 04 and Rwy 22, PAPI Rwy 04 and Rwy 22—CTAF.

AIRPORT REMARKS: Attended 1200-0700Z. Call out after hrs svcs is 307-587-9262. Airfield surface conditions are not monitored btn the hrs of 0500-1200Z. Clsd to unscheduled air carrier ops with more than 30 pax seats exc PPR call arpt ops 307-899-5096. Low level waterfowl on lake 1/4 mile SE of Rwy 04 thld. Cold temperature restricted airport. Altitude correction required at or below -31C/-24F.

AIRPORT MANAGER: 307-587-5096

WEATHER DATA SOURCES: AWOS-3 135.075 (307) 527-5197.

COMMUNICATIONS: CTAF/UNICOM 122.8

CODY RCO 122.3 (CASPER RADIO)

SALT LAKE CENTER APP/DEP CON 133.25

AIRSPACE: CLASS E svc continuous.

RADIO AIDS TO NAVIGATION: NOTAM FILE COD.

CODY (L) VORW/DME 111.8 COD Chan 55 N44°37.23' W108°57.90' 189° 6.5 NM to fld. 4800/14E.

VOR unusable:

043°-113° byd 10 NM blo 9,500'

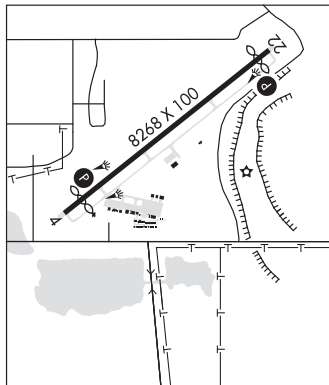
DME portion unusable:

043°-113° byd 10 NM blo 9,500'

113°-138° byd 22 NM blo 10,000'

138°-183° byd 32 NM blo 11,000'

183°-343° byd 30 NM blo 17,000'



COKEVILLE MUNI (U06) 3 S UTC-7(-6DT) N42°02.75' W110°57.96'

SALT LAKE CITY

6270 B NOTAM FILE CPR

L-11D

RWY 15-33: H3400X60 (ASPH) S-10 RWY LGTS(NSTD)

RWY 33: Fence.

SERVICE: LGT MIRL Rwy 15-33 OTS indef. Rwy 15-33 NSTD MIRL.

MIRL has missing lgts causing NSTD spacing. ACTIVATE MIRL Rwy 15-33—CTAF.

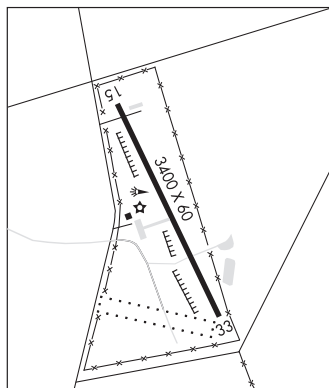
AIRPORT REMARKS: Unattended. 120' high electrical transmission lines running east-west 2 miles north of arpt. +2' ground 70' west of cntrl full length. Unctl vehicle access to arpt. Rwy 15-33 elev highest near midfld. Rwy 15-33 pavement has lost all structural integrity. Pot holes beginning to form. No line of sight between rwy ends. Some thld lenses clear. Variable rwy conds and braking action during winter months due to thawing and freezing precipitation. Old yellow X visible at Rwy 33 end. Wind indicator lgts OTS indef. Bcn OTS indef.

AIRPORT MANAGER: 307-279-3229

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

FORT BRIDGER (L) VORW/DME 108.6 FBR Chan 23 N41°22.71' W110°25.44' 315° 46.8 NM to fld. 7058/14E.



CONVERSE CO (See DOUGLAS on page 230)

COWLEY/LOVELL/BYRON

NORTH BIG HORN CO (U68) 2 N UTC-7(-6DT) N44°54.70' W108°26.73'

BILLINGS
H-1E, L-13D
IAP

4094 B NOTAM FILE CPR

RWY 09-27: H5200X75 (ASPH) S-12.5 MIRL

RWY 09: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Hill.

RWY 27: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Hill.

RWY 16-34: 1866X65 (DIRT)

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 09-27 and PAPI Rwy 09 and Rwy 27 and REIL Rwy 09 and Rwy 27—122.8.

AIRPORT REMARKS: Attended Mon-Sat 1500-0000Z†. For attendant after hrs call 307-548-6236. CLOSED all major holidays. Rwy 16-34 soft when wet. Reflective markers mark entrance to twy and turnaround.

AIRPORT MANAGER: 307-568-2551

WEATHER DATA SOURCES: AWOS-3 119.925 (307) 548-2560.

COMMUNICATIONS: CTAF/UNICOM 122.8

® SALT LAKE CENTER APP/DEP CON 133.25

RADIO AIDS TO NAVIGATION: NOTAM FILE COD.

CODY (L) VORW/DME 111.8 COD Chan 55 N44°37.23' W108°57.90' 038° 28.3 NM to fld. 4800/14E.

VOR unusable:

043°-113° byd 10 NM blo 9,500'

DME portion unusable:

043°-113° byd 10 NM blo 9,500'

113°-138° byd 22 NM blo 10,000'

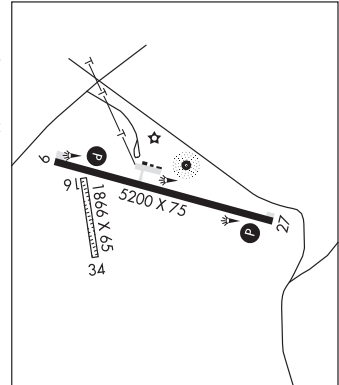
138°-183° byd 32 NM blo 11,000'

183°-343° byd 30 NM blo 17,000'

COWLEY NDB (MHW) 257 HCY N44°54.84' W108°26.59' at fld. NOTAM FILE CPR.

Unusable:

Byd 20 NM



COWLEY N44°54.84' W108°26.59' NOTAM FILE CPR.

BILLINGS
L-13D

NDB (MHW) 257 HCY at North Big Horn Co.

Unusable:

Byd 20 NM

CRAZY WOMAN N43°59.98' W106°26.14' NOTAM FILE CPR.

CHEYENNE
H-1F, 2G, L-11E, 12F

(H) **VORW/DME** 117.3 CZI Chan 120 319° 26.0 NM to Johnson Co. 4800/13E.

RCO 122.025 (CASPER RADIO)

DERYK N44°16.25' W105°31.33' NOTAM FILE GCC.

CHEYENNE
L-12F, 13E

NDB (MHW) 380 GC 339° 4.7 NM to Gillette-Campbell Co. NDB unmonitored 0500-1300Z†.

DIXON (DWX)(KDWX) 2 E UTC-7(-6DT) N41°02.25' W107°29.55'

CHEYENNE
H-3E, L-9E, 11E

6549 B NOTAM FILE DWX

RWY 06-24: H7000X75 (ASPH) S-24.5 MIRL

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 30'.

RWY 24: REIL. Fence.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 06-24, REIL Rwy 06; Rwy 24 and PAPI Rwy 06—CTAF. Only avbl from SS to SR.

AIRPORT REMARKS: Unattended. Fuel 24 hr credit card svc avbl. Wildlife on and in vicinity of arpt. 6' wildlife fence all around arpt with gated cattle guard entrances. Plus 500' terrain 9,700' from AER 24. Snow banks +4' along entire rwy winter months.

AIRPORT MANAGER: 307-380-8057

WEATHER DATA SOURCES: AWOS-3PT 119.425 (307) 383-2504.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE DEN.

HAYDEN (H) VORW/DME 115.6 CHE Chan 103 N40°31.20' W107°18.29' 331° 32.2 NM to fld. 7271/14E.

DOUGLAS

CONVERSE CO (DGW)(KDGW) 3 N UTC-7(-6DT) N42°47.83' W105°23.15'

CHEYENNE

H-3F, 5A, L-12F

IAP

4933 B NOTAM FILE DGW

RWY 11-29: H6534X100 (ASPH) MIRL 0.4% up SE

RWY 11: PAPI(P2L)—GA 3.0° TCH 30'.

RWY 29: REIL. PAPI(P2L)—GA 3.0° TCH 40'.

RWY 05-23: H4760X75 (ASPH) S-12.5 MIRL 0.3% up NE

RWY 23: PAPI(P2L)—GA 3.0° TCH 45'. Hill.

SERVICE: S4 FUEL 100LL, JET A LGT MIRL Rwy 11-29 and Rwy 05-23 preset on low ints dark hrs, to incr ints, ACTIVATE MIRL Rwy 11-29 and Rwy 05-23 dalgt hrs and ACTIVATE REIL Rwy 29—CTAF. PAPI Rwy 11, Rwy 23 and Rwy 29 opr continuously.

AIRPORT REMARKS: Attended Mon-Fri 1330-0000Z, Sat-Sun 1500-0000Z. For fuel after hrs see phone numbers posted in terminal lobby. Cold temperature restricted airport. Altitude correction required at or below -26C/-15F. Wildlife on and in/ovf arpt. Rwy 11-29, no yellow lgts lctd in caution zone of either rwy. Retro-reflective markers along all twys.

AIRPORT MANAGER: 307-358-3527

WEATHER DATA SOURCES: ASOS 135.225 (307) 358-4448.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 121.975 (CASPER RADIO)

DENVER CENTER APP/DEP CON 135.6

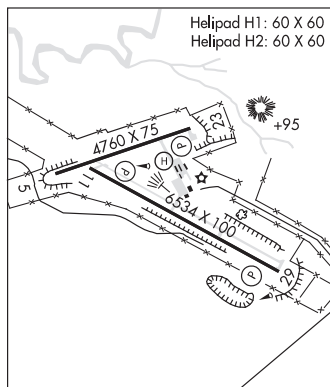
RADIO AIDS TO NAVIGATION: NOTAM FILE DGW.

HIPSHER (L) VORW/DME 108.6 IIP Chan 23 N42°40.57' W105°13.57' 304° 10.1 NM to fld. 4906/12E.

HELIPAD H1: H60X60 (ASPH)

HELIPAD H2: H60X60 (ASPH)

HELIPORT REMARKS: H1 NSTD designation markings. H2 NSTD designation markings.



DUBOIS MUNI (DUB)(KDUB) 3 NW UTC-7(-6DT) N43°32.90' W109°41.42'

SALT LAKE CITY

H-3E, L-11D

7297 B NOTAM FILE CPR

RWY 10-28: H6100X60 (ASPH) S-24 PCN 8 F/C/Y/T MIRL

0.9% up W

RWY 10: PAPI(P2L)—GA 3.0° TCH 40'.

RWY 28: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Rgt t/c.

SERVICE: FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 10-28, PAPI Rwy 10 and Rwy 28, and REIL Rwy 28—CTAF.

AIRPORT REMARKS: Unattended. Fuel avbl 24 hours self serve credit card. All traffic patterns to north of rwy because of mtns south.

AIRPORT MANAGER: 307-455-2100

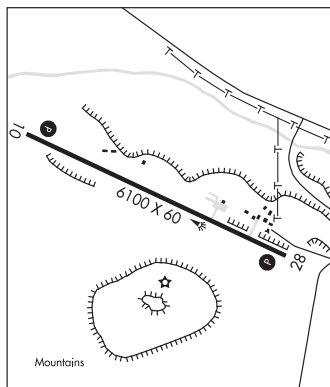
WEATHER DATA SOURCES: AWOS-3PT 118.275 (307) 455-2211.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

BOYSEN RESERVOIR (H) VORW/DME 117.8 BOY Chan 125

N43°27.79' W108°17.98' 259° 60.9 NM to fld. 7550/16E.



DUNOIR N43°49.70' W110°20.13' NOTAM FILE CPR.

SALT LAKE CITY

(H) VORW/DME 117.2 DNW Chan 119 218° 22.0 NM to Jackson Hole. 7730/15E.

H-1D, L-11D

VOR/DME unusable:

010°-030° byd 25 NM blo 17,000'

030°-130° byd 15 NM

130°-210° byd 20 NM

210°-230° byd 25 NM

230°-240° byd 20 NM

240°-270° byd 30 NM

270°-330° byd 20 NM

330°-340° byd 10 NM

340°-010° byd 15 NM

RCO 122.6 (CASPER RADIO)

ELK MOUNTAIN EHY N41°43.52' W106°27.57' /7299
AWOS-3 118.8 (307) 348-7320 Stand alone mountain top facility.

SALT LAKE CITY
H-3E, L-11D

EVANSTON—UINTA CO BURNS FLD (EVW)(KEVW) 3 W UTC-7(-6DT) N41°16.49' W111°02.08' **SALT LAKE CITY**

7143 B NOTAM FILE EVW

RWY 05-23: H7300X100 (ASPH-GRVD) S-30, D-70 HIRL

RWY 05: REIL. PAPI(P4L)—GA 3.0° TCH 45'.

RWY 23: MALSR. PAPI(P4L)—GA 3.0° TCH 45'.

SERVICE: S2 **FUEL** 100LL, JET A **OX2** **LGT** PAPI Rwy 05 and Rwy 23 opr continuously. **ACTIVATE** HIRL Rwy 05-23, MALSR Rwy 23 and REIL Rwy 05—CTAF.

AIRPORT REMARKS: Attended 1400-0200Z†. For svc after hrs call 1-800-789-2256. Wildlife on and invof arpt.

AIRPORT MANAGER: 307-789-2256

WEATHER DATA SOURCES: ASOS 120.0 (307) 789-0585.

COMMUNICATIONS: CTAF/UNICOM 123.0

SALT LAKE CENTER APP/DEP CON 127.7

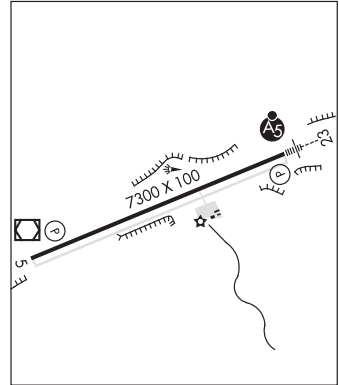
GCO 121.72 (SALT LAKE CENTER CLNC)

RADIO AIDS TO NAVIGATION: NOTAM FILE EVW.

(T) VORW/DME 109.6 EVW Chan 33 N41°16.35'

W111°02.81' at fld. 7145/13E.

ILS/DME 108.9 I-EVW Chan 26 Rwy 23. Class IE. Glideslope unusable byd 5° rgt of course. Status is not remotely Monitored.



FORT BRIDGER (FBR)(KFBR) 4 N UTC-7(-6DT) N41°23.60' W110°24.36' **SALT LAKE CITY**

7038 B NOTAM FILE CPR

RWY 04-22: H6404X75 (ASPH) S-12.5, D-20, 2D-20 MIRL

0.5% up SW

RWY 04: REIL. PAPI(P2L)—GA 3.0° TCH 22'.

RWY 22: REIL. PAPI(P2L)—GA 3.0° TCH 22'.

RWY 07-25: 3520X50 (TURF-DIRT) 0.3% up SW

RWY 07: Fence.

SERVICE: S4 **FUEL** 100LL **LGT** **ACTIVATE** MIRL Rwy 04-22, REIL Rwy 04 and Rwy 22, and PAPI Rwy 04 and Rwy 22—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z†. For svc after hrs call 307-780-5815. Fuel avbl by 24 hr card svc. Numerous prairie dog holes, sage brush and depressions on sfc. Rwy 04-22 plowed winter months, Rwy 07-25 clsd winter months except for ski equipment acft, dirt/turf rwys not maintained.

AIRPORT MANAGER: 307-780-5815

WEATHER DATA SOURCES: AWOS-3PT 118.8 (307) 782-3226.

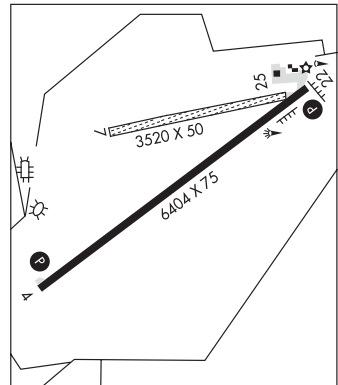
COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.3 (CASPER RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

(L) VORW/DME 108.6 FBR Chan 23 N41°22.71'

W110°25.44' 028° 1.2 NM to fld. 7058/14E.



GILLETTE—CAMPBELL CO (GCC)(KGCC) 4 NW UTC-7(-6DT) N44°20.94' W105°32.36'

CHEYENNE

4364 B TPA—See Remarks Class I, ARFF Index A NOTAM FILE GCC

H-1F, 2G, L-12F, 13E

IAP, AD

RWY 16-34: H7500X150 (CONC-GRVD) S-60, D-110, 2S-139,
2D-160 HIRL 0.4% up SE**RWY 16:** REIL. PAPI(P4L)—GA 3.17° TCH 43'. Road.**RWY 34:** MALSR. PAPI(P4L)—GA 3.2° TCH 56'. P-line.**RWY 03-21:** H5803X75 (CONC-GRVD) S-40 MIRL 0.4% up SW**RWY 03:** REIL. PAPI(P4L)—GA 4.0° TCH 41'.**RWY 21:** REIL. PAPI(P4L)—GA 4.0° TCH 39'.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 03:** TORA-5803 TODA-5803 ASDA-5803 LDA-5803**RWY 16:** TORA-7500 TODA-7500 ASDA-7500 LDA-7500**RWY 21:** TORA-5803 TODA-5803 ASDA-5803 LDA-5803**RWY 34:** TORA-7500 TODA-7500 ASDA-7500 LDA-7500**SERVICE:** S4 FUEL 100LL, JET A OX 1, 2 LGT When twr clsd sequence
flashers Rwy 34 avbl on high setting only, REIL Rwy 03, Rwy 21 and
Rwy 16 not avbl. When twr clsd ACTIVATE HIRL Rwy 16-34, MIRL
Rwy 03-21, MALSR Rwy 34, PAPI Rwy 03, Rwy 21, Rwy 16 and Rwy
34—CTAF.**AIRPORT REMARKS:** Attended 1300-0500Z†. Cond unmo. 24 hr self svc
credit card fuel avbl. Cold temperature restricted airport. Altitude
correction required at or below -25C/-13F. Migratory waterfowl invof
arpt. Mining/blasting ops 1/2 mile northeast AER 21 dur dalgt hrs ctc twr. TPA-5164(800) for light acft, 5564(1200)
for large acft. PPR unscheduled air carrier ops with more than 30 pax seats call arpt mgr 307-686-1042. Portions of
Twy C not visible from twr.**AIRPORT MANAGER:** 307-686-1042**WEATHER DATA SOURCES:** ASOS 124.175 (307) 682-1745. SAWRS 1300-0500Z†.**COMMUNICATIONS:** CTAF 118.5 UNICOM 122.95

RCO 122.3 (CASPER RADIO)

DENVER CENTER APP/DEP CON 135.6

TOWER 118.5 (1300-0500Z†) GND CON 121.7

AIRSPACE: CLASS D svc 1300-0500Z† other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE GCC.

(H) VOR/DME 114.6 GCC Chan 93 N44°20.87' W105°32.61' at fld. 4336/12E.

VOR portion unusable:

250°-275° byd 20 NM blo 8,000'

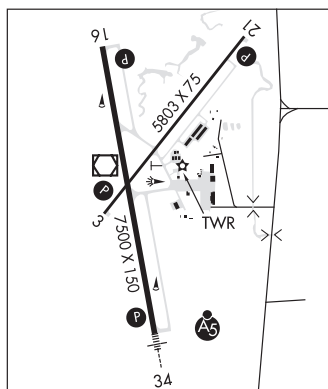
DME portion unusable:

160°-190° byd 25 NM blo 10,300'

190°-265° byd 20 NM blo 8,000'

190°-265° byd 30 NM blo 13,000'

265°-330° byd 22 NM blo 10,500'

DERYK NDB (MHW) 380 GC N44°16.25' W105°31.33' 339° 4.7 NM to fld. NDB unmonitored 0500-1300Z†.**ILS/DME** 110.1 I-LT Chan 38 Rwy 34. Class IT. Unmonitored when ATCT clsd. Glideslope unusable byd 8 NM.**GLENDO****THOMAS MEM** (76V) 1 N UTC-7(-6DT) N42°31.20' W105°01.20'

CHEYENNE

4666 NOTAM FILE CPR

RWY 16-34: 4397X70 (TURF-DIRT)**RWY 16:** Tree.**RWY 34:** Road.**AIRPORT REMARKS:** Unattended. Ctc town hall 307-735-4242 or arpt mgr 307-734-0655 prior to use for sfc cond. Ocnl
antelope on rwy. Rwy 16-34 first 500' SE end very rough and +1' grass entire length of rwy. Rwy 16-34 muddy, slick
and soft when wet, ocnl gopher holes.**AIRPORT MANAGER:** 307-734-0655**COMMUNICATIONS:** CTAF 122.9**GREEN RIVER****GTR GREEN RIVER INTERGALACTIC SPACEPORT** (48U) 4 S UTC-7(-6DT) N41°27.49'

SALT LAKE CITY

W109°29.40'

7182 NOTAM FILE CPR

RWY 04-22: 5800X130 (DIRT)**AIRPORT REMARKS:** Unattended. No snow removal avbl. Unctl vehicle access. Rwy soft when wet. 3' berm near rwy edges
entire length of rwy. Possible debris found on rwy. Rwy 04-22 width may vary based on grading. Arpt on top of mountain,
land descends very steeply from rwy ends. No line of sight btn rwy ends.**AIRPORT MANAGER:** 307-872-0554**COMMUNICATIONS:** CTAF 122.9

GREYBULL

SOUTH BIG HORN CO (GEY)(KGEY) 2 NW UTC-7(-6DT) N44°31.08' W108°04.98'

3942 B NOTAM FILE GEY

RWY 16-34: H7003X150 (ASPH) S-85, D-150, 2D-290 MIRL

RWY 16: REIL. PAPI(P4L)—GA 3.0° TCH 50'.

RWY 34: REIL. PAPI(P4L)—GA 3.0° TCH 50'.

RWY 07-25: H3953X75 (ASPH) S-12.5 0.6% up W

SERVICE: S4 FUEL 100LL, JET A 0X1 LGT ACTIVATE MIRL Rwy

16-34, PAPI Rwy 16 and Rwy 34, REIL Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z. For svc after hrs call 307-431-1464. Fuel 24 hr credit card svc avbl. 100LL only. Jet A avbl during attendance hrs. After hrs call numbers posted on north side of terminal building. Cold temperature restricted airport. Altitude correction required at or below -32C/-26F. Antelope on and invof rwy. Terrain 1066' abv arpt elevation 4-5 miles north and northeast of arpt.

AIRPORT MANAGER: 307-568-2551

WEATHER DATA SOURCES: ASOS 135.325 (307) 765-9406.

COMMUNICATIONS: CTAF 122.9

SALT LAKE CENTER APP/DEP CON 133.25

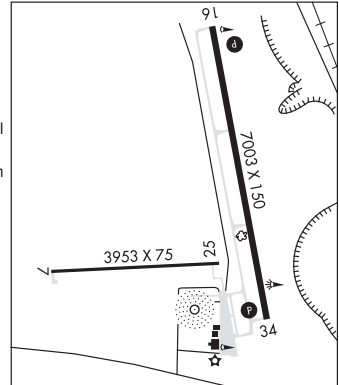
RADIO AIDS TO NAVIGATION: NOTAM FILE WRL.

WORLAND (L) VORW/DME 114.8 RLY Chan 95 N43°57.85'

W107°57.05' 337° 33.7 NM to fld. 4204/13E.

GREYBULL NDB (MHW) 275 GY N44°30.69'

W108°04.97' at fld. NOTAM FILE GEY.



BILLINGS
H-1E, L-13D
IAP

GTR GREEN RIVER INTERGALACTIC SPACEPORT (See GREEN RIVER on page 232)

HARFORD FLD (See CASPER on page 226)

HIPSHER N42°40.57' W105°13.57' NOTAM FILE DGW.

(L) VORW/DME 108.6 IIP Chan 23 304° 10.1 NM to Converse Co. 4906/12E.

CHEYENNE
L-12F

HORSE N41°08.81' W104°40.74' NOTAM FILE CYS.

NDB (LOM) 353 CY 265° 6.0 NM to Cheyenne Rgnl/Jerry Olson Fld.

CHEYENNE

HOT SPRINGS CO-THERMOPOLIS MUNI (See THERMOPOLIS on page 243)

HOT SPRINGS CO (See THERMOPOLIS on page 243)

HULETT MUNI (W43) 2 SE UTC-7(-6DT) N44°39.77' W104°34.07'

4264 B NOTAM FILE CPR

RWY 13-31: H5500X75 (ASPH) S-12.5 MIRL 1.3% up SE

RWY 13: REIL. PAPI(P2L)—GA 4.0° TCH 40'.

RWY 31: REIL. PAPI(P2L)—GA 4.0° TCH 40'. Hill. Rgt tfc.

SERVICE: FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 13-31 and REIL Rwy 13 and Rwy 31—CTAF.

AIRPORT REMARKS: Unattended. 24 hr self svc credit card fuel avbl. Devils Tower National Monument lctd aprx 7 miles southwest of arpt. Voluntary 2 mile flgt avoidance radius in effect Jan-May and Jul-Dec. Voluntary 3 mile flgt avoidance radius in effect in Jun. Retro-reflective markers along twys.

AIRPORT MANAGER: 307-467-5771

WEATHER DATA SOURCES: AWOS-3PT 128.775 (307) 467-5575.

COMMUNICATIONS: CTAF/UNICOM 122.8

DENVER CENTER APP/DEP CON 127.95

RADIO AIDS TO NAVIGATION: NOTAM FILE GCC.

GILLETTE (H) VORW/DME 114.6 GCC Chan 93 N44°20.87'

W105°32.61' 053° 46.0 NM to fld. 4336/12E.

VOR portion unusable:

250°-275° byd 20 NM blo 8,000'

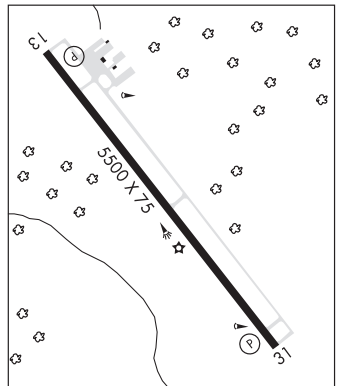
DME portion unusable:

160°-190° byd 25 NM blo 10,300'

190°-265° byd 20 NM blo 8,000'

190°-265° byd 30 NM blo 13,000'

265°-330° byd 22 NM blo 10,500'



BILLINGS
H-1F, 2H, L-12F, 13E
IAP

HUNT FLD (See LANDER on page 235)**JACKSON HOLE** (JAC)(KJAC) 7 N UTC-7(-6DT) N43°36.44' W110°44.27'

6451 B ARFF Index—See Remarks NOTAM FILE JAC

RWY 01-19: H6300X150 (ASPH-PFC) S-75, D-200, 2S-175,

2D-380 HIRL CL 0.6% up N

RWY 01: MALS. PAPI(P4L)—GA 3.0° TCH 50'. Road.**RWY 19:** MALS. PAPI(P4L)—GA 3.0° TCH 53'. RVR-TMR**SERVICE:** S4 FUEL 100, JET A OX3 LGT When twr clsd ACTIVATE

HIRL Rwy 01-19, MALS Rwy 01-19, Twy lgts and wind tee—CTAF.

AIRPORT REMARKS: Attended 1300-0500Z†. On call 24 hrs phone

307-733-4767 or 307-739-1999. Class I, ARFF Index B. Only ARFF

Index B avbl Jun 1 through Oct 31 and Apr 16 through May 30. ARFF

avbl only during scheduled air carrier ops unless PPR. PPR for

unscheduled air carrier ops with more than 30 passenger seats call arpt

mgr 307-733-7682. Hang gliding ops 9 miles south of arpt near ski

area and 9 miles south-southwest of arpt along the ridge. Balloon ops

invof arpt, west and southwest, May-Oct. Sage grouse on and invof arpt

Apr-Oct. 35'-53' trees 700'-800' west of thld Rwy 01. Possible

severe winter cond from Nov-Apr check NOTAMS for arpt cond, no arpt

info or snow removal guaranteed during hrs of nonattendance. Rwy 01

blast pad 950X200, stressed for occasional B757. Avbl for emerg ovrn

only for Rwy 19. Emerg ovrn only not usable for performance

calculations. Porous friction course, plowed and broomed during winter.

Cold temperature restricted airport. Altitude correction required at or below -26C/-15F. Deicing pad located at north end

of Twy A. NS ABTMT procedures in effect for acft departures on Rwy 19. Ctc arpt management at 307-733-7682. All

stage 2 acft, regardless of weight, prohibited. Acft that fail to touch down within the first third of Rwy 01-19 sometimes

fail to stop on the rwy and are at risk for a rwy excursion. For public health and safety flts, ctc arpt manager at

307-733-6474.

AIRPORT MANAGER: 307-733-7682**WEATHER DATA SOURCES:** AWOS-3 120.625 (307) 739-9108. AWOS freq opr 1400-0400Z†. SAWRS 1400-0400Z†.**COMMUNICATIONS:** CTAF 118.075 ATIS 120.625 UNICOM 122.95**RCO** 122.05 (CASPER RADIO)**SALT LAKE CENTER APP/DEP CON** 133.25**TOWER** 118.075 (1400-0400Z†) **GND CON** 124.55**AIRSPACE:** CLASS D svc 1400-0400Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE JAC.**(L) VOR/DME** 115.4 JAC Chan 101 N43°37.26' W110°43.90' at fld. 6452/13E.

VOR/DME unusable:

020°-035° byd 20 NM

035°-048° byd 11 NM

048°-070° byd 10 NM

048°-070° byd 5 NM blo 16,000'

070°-090° byd 20 NM

090°-110° byd 15 NM

110°-130° byd 20 NM

130°-135° byd 15 NM

135°-160° byd 20 NM

160°-180° byd 30 NM

205°-220° byd 20 NM blo 15,000'

220°-270° byd 10 NM

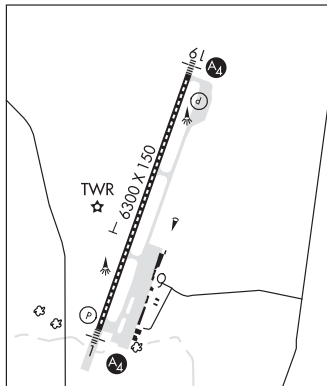
270°-280° byd 8 NM blo 15,000'

270°-335° byd 10 NM

335°-350° byd 15 NM

VOR unusable:

180°-205° byd 38 NM

ILS/DME 109.1 I-JAC Chan 28 Rwy 19. Unmonitored. Localizer unusable beyond 15 degrees right of course.**SALT LAKE CITY****H-3E, L-11D****IAP, AD****JOHNO** N42°54.43' W106°34.20' NOTAM FILE CPR.**CHEYENNE****NDB (HW/LOM)** 375 CP 079° 4.7 NM to Casper/Natrona Co Intl.**JOHNSON CO** (See BUFFALO on page 224)

KEMMERER MUNI (EMM)(KEMM) 2 NW UTC-7(-6DT) N41°49.45' W110°33.42'

7289 B NOTAM FILE CPR

Rwy 16-34: H8203X75 (ASPH) S-18 MIRL

Rwy 16: REIL. PAPI(P2L)—GA 3.25° TCH 34'.

Rwy 34: REIL. PAPI(P2L)—GA 3.25° TCH 61'.

Rwy 10-28: 3271X60 (TURF-DIRT)

Rwy 28: Fence.

Rwy 04-22: H2671X60 (CONC) S-9 MIRL

Rwy 22: VASI(V2L)—GA 3.0°. Rgt tfc.

SERVICE: FUEL 100LL, JET A LGT VASI Rwy 22 OTS indef. ACTIVATE MIRL Rwy 04-22 and Rwy 16-34, VASI Rwy 22, REIL Rwy 16 and Rwy 34 and PAPI Rwy 16 and Rwy 34—CTAF.

AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs via self-serve credit card pump. Fuel master located in shack to west of fuel pumps. Terrain drops off steeply 81' prior to AER 04. Terrain drops off steeply 55' prior to AER 10. Rwy 10-28 large rocks, depressions and mounds on rwy sfc.

AIRPORT MANAGER: 307-828-2370

WEATHER DATA SOURCES: AWOS-3PT 119.675 (307) 877-9838.

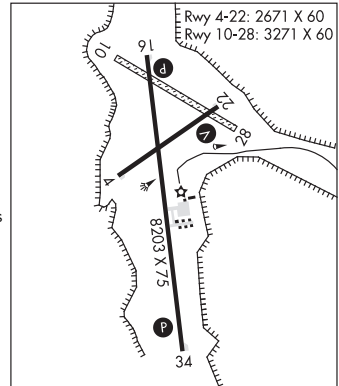
COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ SALT LAKE CENTER APP/DEP CON 124.35

AIRSPACE: CLASS E svc other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

FORT BRIDGER (L) VORW/DME 108.6 FBR Chan 23 N41°22.71' W110°25.44' 333° 27.4 NM to fld. 7058/14E.



SALT LAKE CITY

H-3E, L-11D

IAF

LANDER

HUNT FLD (LND)(KLND) 1 S UTC-7(-6DT) N42°48.94' W108°43.70'

5587 B NOTAM FILE LND

Rwy 03-21: H5007X100 (ASPH) S-30 MIRL(NSTD) 0.7% up SW

Rwy 03: PAPI(P2L)—GA 3.0°. Tree.

Rwy 21: PAPI(P2L)—GA 3.0°.

SERVICE: S4 FUEL 100LL, JET A LGT Rwy 03-21 NSTD MIRL thld lgts Rwy 03 irregular spacing with three lgts on rgt and four lgts on left. For MIRL Rwy 03-21 key 122.8 3 times. ACTIVATE NSTD MIRL Rwy 03-21 and PAPI Rwy 03 and Rwy 21—122.8.

AIRPORT REMARKS: Attended 1300-2300Z†. For svcs after hrs call 307-330-8668. Fuel avbl 24 hrs self serv credit card. Bird activity invof of arpt. Rgt tfc permissible on Rwy 21 departure during heavy winds to avoid the mountains due to severe downdrafts. Twr 305' above AER 21 14,728' from rwy end, 90' right of centerline.

AIRPORT MANAGER: 307-332-3134

WEATHER DATA SOURCES: ASOS 118.35 (307) 332-7707.

COMMUNICATIONS: CTAF/UNICOM 122.8

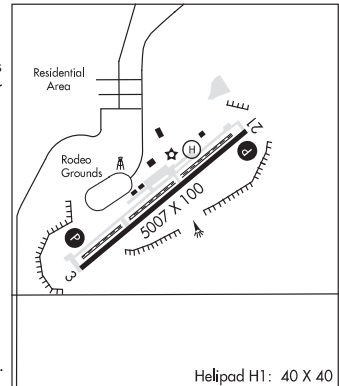
RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

BOYSEN RESERVOIR (H) VORW/DME 117.8 BOY Chan 125

N43°27.79' W108°17.98' 190° 43.2 NM to fld. 7550/16E.

• • • • •

HELIPAD H1: H40X40 (ASPH)



CHEYENNE

H-3E, L-11E

Helipad H1: 40 X 40

LARAMIE RGNL (LAR)(KLAR) 3 W UTC-7(-6DT) N41°18.72' W105°40.50'

7284 B TPA-8084(800) ARFF Index-See Remarks NOTAM FILE LAR

CHEYENNE

H-3F, 5A, L-12F

IAP, AD

RWY 03-21: H8502X150 (ASPH-PFC) S-86, D-105, 2S-133,

2D-160 MIRL

RWY 03: REIL. PAPI(P4L)-GA 3.0° TCH 32'.**RWY 21:** REIL. VASI(V4L)-GA 3.0° TCH 53'.**RWY 12-30:** H6300X100 (ASPH-PFC) S-86, D-105, 2S-133,

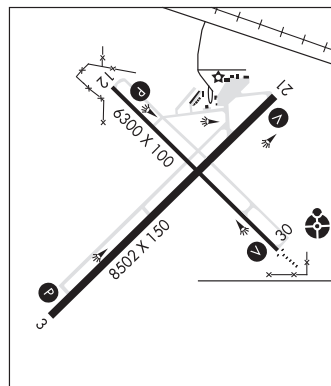
2D-160 MIRL

RWY 12: REIL. PAPI(P4L)-GA 3.0° TCH 44'.**RWY 30:** ODALS. VASI(V4L)-GA 3.0° TCH 41'.**RUNWAY DECLARED DISTANCE INFORMATION****RWY 03:** TORA-8500 TODA-8500 ASDA-8500 LDA-8500**RWY 12:** TORA-6300 TODA-6300 ASDA-6300 LDA-6300**RWY 21:** TORA-8500 TODA-8500 ASDA-8500 LDA-8500**RWY 30:** TORA-6300 TODA-6300 ASDA-6300 LDA-6300**SERVICE:** FUEL 100LL, JET A **OX 2** **LGT** ACTIVATE MIRL Rwy 03-21 and 12-30, PAPI Rwy 03 and 12, VASI Rwy 21 and 30, REIL Rwy 03, 12 and 21 and ODALS Rwy 30-CTAF.**AIRPORT REMARKS:** Attended Sat 1300-0100Z†, Sun-Fri 1300-0400Z†.

Afd sfc cond not monitored 0400-1300Z†. Class II, ARFF Index A. PPR for unscheduled air carrier ops with more than 30 pax seats, call arpt mgr 307-742-4164. Index B avbl upon req. PPR call arpt mgr 307-742-4164. Cold temperature restricted airport. Altitude correction required at or below -35C/-31F.

AIRPORT MANAGER: 307-742-4164**WEATHER DATA SOURCES:** ASOS 135.475 (307) 742-6398.**COMMUNICATIONS:** CTAF/UNICOM 123.05**RCO** 122.6 (CASPER RADIO)**DENVER CENTER APP/DEP CON** 125.9**AIRSPACE:** CLASS E**RADIO AIDS TO NAVIGATION:** NOTAM FILE LAR.

(L) VORW/DME 117.6 LAR Chan 123 N41°20.27' W105°43.26' 113° 2.6 NM to fld. 7300/14E.

**LUSK MUNI** (LSK)(KLSK) 3 E UTC-7(-6DT) N42°45.23' W104°24.27'

4967 B NOTAM FILE CPR

CHEYENNE

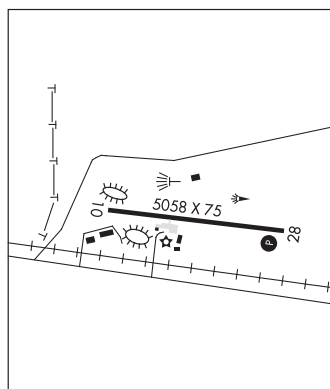
H-5A, L-12F

RWY 10-28: H5058X75 (ASPH) S-12.5 MIRL**RWY 10:** Pole.**RWY 28:** REIL. PAPI(P2L)-GA 3.0° TCH 40'.**SERVICE:** FUEL 100LL **LGT** MIRL on low ints SR-SR. ACTIVATE MIRL

Rwy 10-28, REIL Rwy 28 and PAPI Rwy 28-CTAF.

AIRPORT REMARKS: Unattended. Fuel avbl via credit card reader. Unlimited vehicle access to rwy.**AIRPORT MANAGER:** 307-334-3622**WEATHER DATA SOURCES:** AWOS-3PT 118.350 (307) 334-4028.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE DGW.**HIPSHER (L) VORW/DME** 108.6 IIP Chan 23 N42°40.57'

W105°13.57' 070° 36.6 NM to fld. 4906/12E.

**MEDICINE BOW** (80V) 2 SE UTC-7(-6DT) N41°53.04' W106°10.97'

6658 NOTAM FILE CPR

CHEYENNE**RWY 10-28:** 3170X80 (TURF-DIRT)**RWY 06-24:** 2680X50 (TURF-DIRT)**RWY 06:** Fence.**RWY 24:** Fence.**AIRPORT REMARKS:** Unattended. Wildlife invof all rwys. Rwy 06-24 is no longer maintained. Rwy 06-24, 9 to 12 inch berms both sides of rwy. Rwy 10-28 graded. Gopher holes on rwy sfc's, rwys very soft when wet. Rwy 10-28 1' ditch south of rwy. Rwy 06-24 rough and uneven full length, numerous gopher and badger holes. Rwy 10-28 marked with yellow 3' x 2' cones. Thld markings skewed at angle to Rwy 06-24.**AIRPORT MANAGER:** 307-379-2226**COMMUNICATIONS:** CTAF 122.9

MEDICINE BOW N41°50.73' W106°00.26' NOTAM FILE CPR.
(L) VORW/DME 111.6 MBW Chan 53 272° 8.3 NM to Medicine Bow. 7000/14E.
RCO 122.5 (CASPER RADIO)

CHEYENNE
H-3E, 5A, L-12F

MILEY MEM FLD (See BIG PINEY on page 224)

MONDELL FLD (See NEWCASTLE on page 237)

MUDDY MOUNTAIN N43°05.45' W106°16.62' NOTAM FILE CPR.
(H) VORW/DME 116.2 DDY Chan 109 205° 13.8 NM to Casper/Natrona Co Intl. 5863/12E.

CHEYENNE
H-2G, 3E, 5A, L-11E, 12F

NEWCASTLE

MONDELL FLD (ECS)(KECS) 5 NW UTC-7(-6DT) N43°53.05' W104°18.87'
4176 B NOTAM FILE CPR

CHEYENNE
H-2H, L-12F
IAP

RWY 14-32: H5310X75 (CONC) S-30 MIRL

RWY 14: REIL. PAPI(P2L)—GA 3.0° TCH 27'. Railroad. Rgt ttc.

RWY 32: ODALS. PAPI(P2L)—GA 3.0° TCH 40'. Fence.

SERVICE: FUEL 100LL, JET A **LGT** Rwy 14 PAPI realigned with dspld thid. ACTIVATE MIRL Rwy 14-32, REIL Rwy 14, PAPI Rwy 14 and Rwy 32, and ODALS Rwy 32—CTAF.

AIRPORT REMARKS: Attended 1500-0000Z†. For attendant after hrs call 307-746-9732. For fuel after hrs phone 307-746-9732. Wildlife on or near the rwys. Migratory bird flt paths near arpt. Soft shoulders near edges of rwys, twys, and ramps.

AIRPORT MANAGER: 307-746-4666

WEATHER DATA SOURCES: AWOS-3PT 118.0 (307) 746-4896.

COMMUNICATIONS: CTAF/UNICOM 122.8

NEWCASTLE RCO 122.5 (CASPER RADIO)

DENVER CENTER APP/DEP CON 127.95

RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.

RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56'
W103°00.74' 252° 56.7 NM to fld. 3157/13E.

NEWCASTLE (L) VORW 108.2 ECS N43°52.87'
W104°18.47' at fld. 4212/11E. NOTAM FILE CPR.

VOR unusable:

003°-023° byd 25 NM blo 10,500'

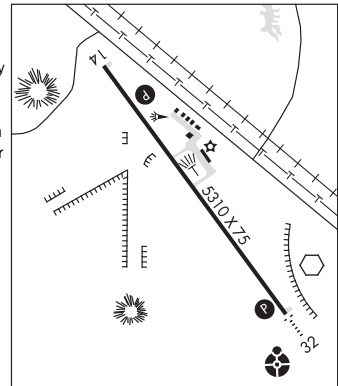
023°-043° byd 25 NM

043°-063° byd 25 NM blo 12,000'

063°-093° byd 30 NM blo 11,000'

093°-113° byd 30 NM blo 10,500'

328°-003° byd 25 NM blo 9,000'



NORTH BIG HORN CO (See COWLEY/LOVELL/BYRON on page 229)

PHIFER AIRFIELD (See WHEATLAND on page 245)

PINE BLUFFS MUNI (82V) 3 SW UTC-7(-6DT) N41°09.15' W104°08.09'
5152 B NOTAM FILE CPR

CHEYENNE
H-5A, L-12F

RWY 08-26: H5331X75 (ASPH) S-12.5 MIRL 0.4% up W

RWY 08: REIL. PAPI(P2L)—GA 3.0° TCH 40'.

RWY 26: REIL. PAPI(P2L)—GA 3.0° TCH 40'.

SERVICE: **FUEL** 100LL **LGT** ACTIVATE MIRL Rwy 08-26, PAPI Rwy 08 and 26, REIL Rwy 08 and 26 and wind tee—122.8.

AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs a day with credit card self serve.

AIRPORT MANAGER: 907-227-9286

WEATHER DATA SOURCES: AWOS-3PT 132.425 (307) 245-3613.

COMMUNICATIONS: CTAF/UNICOM 122.8

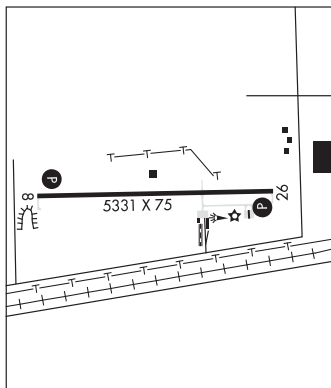
RADIO AIDS TO NAVIGATION: NOTAM FILE CYS.

CHEYENNE (H) VORTACW 113.1 CYS Chan 78 N41°12.66'

W104°46.37' 084° 29.1 NM to fld. 6211/13E.

TACAN AZIMUTH unusable:

130°-150°



PINEDALE

RALPH WENZ FLD (PNA)(KPNA) 5 SE UTC-7(-6DT) N42°47.84' W109°48.66'
7096 B NOTAM FILE PNA

SALT LAKE CITY
H-3E, L-11D
IAP

RWY 11-29: H8900X100 (ASPH) S-45 MIRL 0.3% up W

RWY 11: REIL. PAPI(P4L)—GA 2.83° TCH 40'.

RWY 29: REIL. PAPI(P4L)—GA 2.83° TCH 40'.

SERVICE: S4 **FUEL** 100LL, JET A **OX 3** **LGT** ACTIVATE MIRL Rwy 11-29, PAPI Rwy 11 and Rwy 29, and REIL Rwy 11 and Rwy 29—CTAF.

AIRPORT REMARKS: Attended May-Sept 1600-0100Z†, Oct-Apr Mon-Fri 1600-0100Z†. No call out fee nml business hrs Sat-Sun. Fuel avbl 24 hrs by credit card. For svc after hrs call 307-413-7888 or 307-367-2290. All helicopter t/c to come and go via the twy. Twy A1, A5 50' wide. Flying over bldgs adj to ramp is prohibited. Ldg fee.

AIRPORT MANAGER: 307-360-9025

WEATHER DATA SOURCES: AWOS-3 118.325 (307) 367-6425.

COMMUNICATIONS: CTAF/UNICOM 122.8

SALT LAKE CENTER APP/DEP CON 128.35

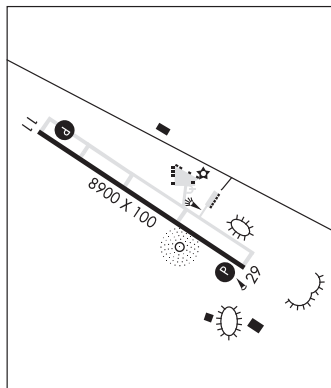
RADIO AIDS TO NAVIGATION: NOTAM FILE BPI.

BIG PINEY (H) VORW/DME 116.5 BPI Chan 112 N42°34.77'

W110°06.55' 029° 18.6 NM to fld. 6953/16E.

WENZ NDB (MHW) 392 PNA N42°47.57'

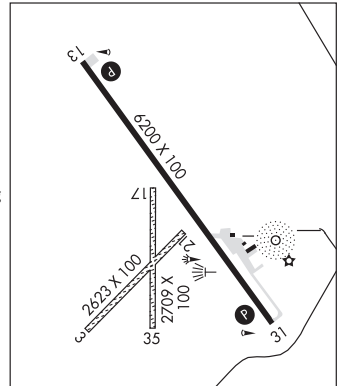
W109°48.36' at fld. NOTAM FILE PNA.



POWDER RIVER PASS JPD N43°58.96' W107°07.48'/8033
AWOS-3PT 118.375 (307) 287-7030

CHEYENNE
H-1G, L-11E

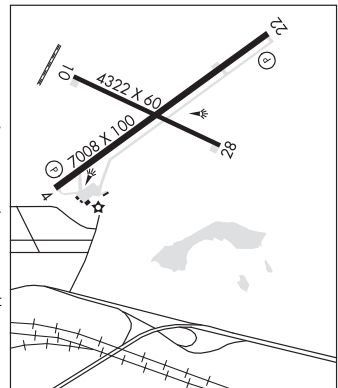
POWELL MUNI (POY)(KPOY) 7 N UTC-7(-6DT) N44°52.03' W108°47.61'
 5096 B NOTAM FILE CPR
RWY 13-31: H6200X100 (ASPH) S-15 MIRL 1.6% up SE
RWY 13: PAPI(P2L)—GA 3.0° TCH 38'.
RWY 31: REIL. PAPI(P2L)—GA 3.0° TCH 36'. Fence.
RWY 17-35: 2709X100 (TURF-DIRT) 0.7% up S
RWY 35: Fence.
RWY 03-21: 2623X100 (TURF-DIRT) 0.7% up NE
RWY 03: Fence.
SERVICE: FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 13-31, REIL Rwy 31 and PAPI Rwy 13 and Rwy 31—122.7.
AIRPORT REMARKS: Attended Tues-Sat 1500-2300Z†. For svc after hrs phone 619-518-1233. Fuel 24 hr credit card svc avbl. After hrs emerg ctc police department 307-754-2212.
AIRPORT MANAGER: 307-754-5234
WEATHER DATA SOURCES: AWOS-3 119.275 (307) 754-7093.
COMMUNICATIONS: CTAF/UNICOM 122.7
CODY RCO 122.3 (CASPER RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE COD.
CODY (L) VORW/DME 111.8 COD Chan 55 N44°37.23' W108°57.90' 012° 16.5 NM to fld. 4800/14E.
 VOR unusable:
 043°-113° byd 10 NM blo 9,500'
 DME portion unusable:
 043°-113° byd 10 NM blo 9,500'
 113°-138° byd 22 NM blo 10,000'
 138°-183° byd 32 NM blo 11,000'
 183°-343° byd 30 NM blo 17,000'
NDB (MHW) 344 POY N44°52.01' W108°47.18' at fld. NOTAM FILE CPR.



BILLINGS
 H-1E, L-13D
 IAP

RALPH WENZ FLD (See PINEDALE on page 238)

RAWLINS MUNI/HARVEY FLD (RWL)(KRWL) 2 NE UTC-7(-6DT) N41°48.34' W107°12.02'
 6817 B NOTAM FILE RWL
RWY 04-22: H7008X100 (ASPH-PFC) S-30, D-60 MIRL
 1.0% up NE
RWY 04: PAPI(P4L)—GA 3.0° TCH 44'. Tank. Rgt tfc.
RWY 22: REIL. PAPI(P4L)—GA 3.0° TCH 44'.
RWY 10-28: H4322X60 (ASPH) S-12 MIRL 0.7% up W
RWY 28: REIL. Rgt tfc.
SERVICE: FUEL 100LL, JET A LGT PAPI Rwy 04 and Rwy 22 opr continuously. ACTIVATE MIRL Rwy 04-22, Rwy 10-28 and REIL Rwy 22 and Rwy 28—123.0.
AIRPORT REMARKS: Attended Nov-Mar, Mon-Fri 1400-0200Z†, Sat 1400-0000Z†, Apr-Oct, Mon-Fri 1400-0200Z†, Sat-Sun 1400-0000Z†. For svc other times call 307-321-6104. For fuel after hrs call 307-321-6104 or number posted on door of FBO. A \$70 fee will be charged to all commercial/corporate aircraft unless fuel is purchased. Cold temperature restricted airport. Altitude correction required at or below -35C/-31F. Birds on and invof all rwys. Req all acft departing Rwy 28 make rgt turnout as soon as safety permits after txf to avoid housing area and for NS ABTMT. Rwy 10-28 ltd to acft up to 12,000 lbs GWT.
AIRPORT MANAGER: (307) 321-6104
WEATHER DATA SOURCES: ASOS 118.525 (307) 328-0031.
COMMUNICATIONS: CTAF/UNICOM 123.0
RCO 122.2 (CASPER RADIO)
DENVER CENTER APP/DEP CON 132.1
AIRSPACE: CLASS E svc 1300-0500Z† other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.
CHEROKEE (H) VORW/DME 115.0 CKW Chan 97 N41°45.34' W107°34.92' 065° 17.4 NM to fld. 7050/15E.



CHEYENNE
 H-3E, L-11E
 IAP

RIVERTON RGNL (RIW)(KRIW) 3 NW UTC-7(-6DT) N43°03.86' W108°27.59'

5528 B Class II, ARFF Index A NOTAM FILE RIW

CHEYENNE

H-3E, L-11E

IAP, AD

RWY 10-28: H8204X150 (ASPH-GRVD) S-85, D-110, 2S-140, 2D-165 HIRL

RWY 10: REIL. PAPI(P4L)—GA 3.0° TCH 47'. P-line. 1.4% down.

RWY 28: MALSR. PAPI(P4R)—GA 3.0° TCH 50'. 0.7% up.

RWY 01-19: H4800X75 (ASPH-GRVD) S-30, D-50 MIRL 0.4% up N

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 43'. P-line.

RWY 19: REIL. PAPI(P2L)—GA 3.0° TCH 42'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 01: TORA-4800 TODA-4800 ASDA-4800 LDA-4800

RWY 10: TORA-8204 TODA-8204 ASDA-8204 LDA-8204

RWY 19: TORA-4800 TODA-4800 ASDA-4800 LDA-4800

RWY 28: TORA-8204 TODA-8204 ASDA-8204 LDA-8204

SERVICE: S4 FUEL 100LL, JET A OX 4 LGTACTIVATE HIRL Rwy 10-28, MIRL Rwy 01-19, REIL Rwy 01, Rwy 19 and Rwy 10 and MALSR Rwy 28—CTAF. PAPI Rwy 01, Rwy 10, Rwy 19 and Rwy 28 opr 24 hrs.

AIRPORT REMARKS: Attended Mon-Fri 1400-0000Z†. For svc after hrs call 307-856-3599. Arpt sfc cond unmonitored 0400-1300Z† daily. Multiple hot air balloons invof arpt dur July. PPR for unscheduled ops with more than 30 pax seats call arpt mgr 307-857-7780/307-856-7063. General aviation acft not authorized on west ramp.

AIRPORT MANAGER: (307) 857-7780

WEATHER DATA SOURCES: ASOS 121.425 (307) 856-4473.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.2 (CASPER RADIO)

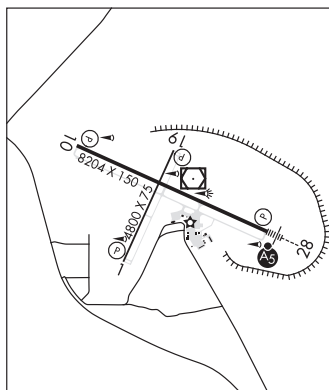
SALT LAKE CENTER APP/DEP CON 133.25

AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE RIW.

(L) VORW/DME 108.8 RIW Chan 25 N43°03.94' W108°27.33' at fld. 5458/10E.

ILS 110.5 I-RIW Rwy 28. Class IE. Status is not remotely Monitored.



ROCK SPRINGS—SWEETWATER CO (RKS)(KRKS) 7 E UTC-7(-6DT) N41°35.65' W109°03.91' SALT LAKE CITY
6765 B Class II, ARFF Index A NOTAM FILE RKS H-3E, L-11E
RWY 09-27: H10000X150 (ASPH-GRVD) S-55, D-110, 2S-140 HIRL IAP

RWY 09: ODALS. PAPI(P4L)—GA 3.0° TCH 50'. 0.4% up.
RWY 27: MALSR. PAPI(P4R)—GA 3.0° TCH 50'. 0.3% down.
RWY 03-21: H5228X75 (ASPH-PFC) S-12, D-25 MIRL 0.3% up NE
RWY 03: REIL. PAPI(P2L)—GA 3.0° TCH 30'.
RWY 21: REIL. PAPI(P2L)—GA 3.0° TCH 30'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03: TORA-5223 TODA-5223 ASDA-5223 LDA-5223
RWY 09: TORA-10000 TODA-10000 ASDA-10000 LDA-10000
RWY 21: TORA-5223 TODA-5223 ASDA-5223 LDA-5223
RWY 27: TORA-10000 TODA-10000 ASDA-10000 LDA-10000

SERVICE: FUEL 100LL, JET A1+ OX 3, 4 LGT ACTIVATE MIRL Rwy 03-21, HIRL Rwy 09-27, ODALS Rwy 09, MALSR Rwy 27, REIL Rwy 03 and Rwy 21, and twy lgt—CTAF. PAPI Rwy 03, Rwy 21, Rwy 09 and Rwy 27 opr continuously.

AIRPORT REMARKS: Attended Sun-Fri 1130-0530Z†. PPR for air carrier ops with more than 30 pax seats 1230-0600Z†, call arpt ops 307-352-6888. Itinerant acft tiedown south of general aviation terminal. Ldg fee for all acft over 12,500 lbs maximum take off weight, waived for general aviation acft with minimum fuel purchase. Call 307-352-6888.

AIRPORT MANAGER: 307-352-6880

WEATHER DATA SOURCES: ASOS 118.375 (307) 362-2541. SAWRS.

COMMUNICATIONS: CTAF/UNICOM 122.8

ROCK SPRING RCO 122.6 (CASPER RADIO)

AIRSPACE: CLASS E

RADIO AIDS TO NAVIGATION: NOTAM FILE RKS.

(H) VORW/DME 116.0 OCS Chan 107 N41°35.41' W109°00.92' 263° 2.3 NM to fld. 6785/13E.

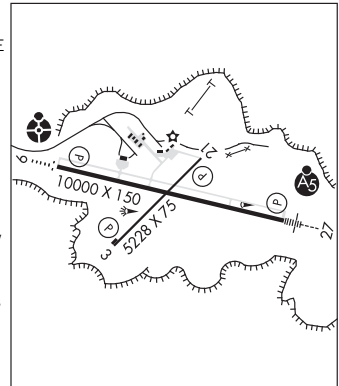
VOR unusable:

186°-195° byd 25 NM blo 14,000'

DME unusable:

122°-127° byd 25 NM blo 12,000'

ILS/DME 109.3 I-RKS Chan 30 Rwy 27. Glideslope unusable byd 5° left of LOC course. ILS glideslope unusable for coupled approaches below 7,000' MSL.



SARATOGA

SHIVELY FLD (SAA)(KSAA) 1 SW UTC-7(-6DT) N41°26.61' W106°49.65' CHEYENNE
7015 B NOTAM FILE CPR H-3E, L-9E, 11E

RWY 05-23: H8801X100 (ASPH-PFC) S-50 MIRL IAP

RWY 05: 1.8% down.

RWY 23: REIL. PAPI(P2L)—GA 3.0° TCH 47'. 1.8% up.

SERVICE: FUEL 100LL, JET A OX 2 LGT ACTIVATE MIRL Rwy 05-23, PAPI Rwy 23 and REIL Rwy 23—122.8.

AIRPORT REMARKS: Attended Jun-Sep 1500-2330Z†, Oct -May Mon-Sat 1500-2300Z†. After hrs svc avbl call 307-326-8693 fee applied. In winter, Sun attendance is irregular, phone 307-326-8344 to verify. Antelope may be on rwy. Wind shear over highway approach end of Rwy 23.

AIRPORT MANAGER: 307-326-8344

WEATHER DATA SOURCES: AWOS-3PT 118.175 (307) 326-5387.

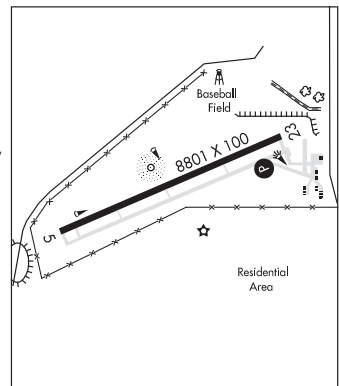
COMMUNICATIONS: CTAF/UNICOM 122.8

DENVER CENTER APP/DEP CON 132.1

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

CHEROKEE (H) VORW/DME 115.0 CKW Chan 97 N41°45.34' W107°34.92' 104° 38.8 NM to fld. 7050/15E.

SARATOGA NDB (MHW) 266 SAA N41°26.70' W106°49.93' at fld.



SHERIDAN CO (SHR)(KSHR) 2 SW UTC-7(-6DT) N44°46.15' W106°58.82'

4021 B TPA—See Remarks Class II, ARFF Index A NOTAM FILE SHR

RWY 15-33: H8301X100 (ASPH-PFC) S-60, D-75, 2S-95

PCN 22 F/B/X/U HIRL

RWY 15: REIL. PAPI(P4L)—GA 3.0° TCH 50'. 0.5% down.

RWY 33: MALSR. PAPI(P4L)—GA 3.0° TCH 53'. 0.4% up.

RWY 06-24: H5039X75 (ASPH-GRVD) S-36, D-50 PCN 11 F/B/X/U

MIRL 1.6% up SW

RWY 06: REIL. PAPI(P4R)—GA 4.0° TCH 57'.

RWY 24: REIL. PAPI(P4R)—GA 3.0° TCH 39'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 06: TORA-5039 TODA-5039 ASDA-5039 LDA-5039

RWY 15: TORA-8301 TODA-8301 ASDA-8301 LDA-8301

RWY 24: TORA-5039 TODA-5039 ASDA-5039 LDA-5039

RWY 33: TORA-8301 TODA-8301 ASDA-8301 LDA-8301

SERVICE: S4 FUEL 100, JET A, A1+ OX 1, 2, 3 LGT ACTIVATE MIRL

Rwy 06-24, HIRL Rwy 15-33, MALSR Rwy 33, REIL Rwy 06, Rwy

24 and Rwy 15, PAPI Rwy 15, Rwy 33, Rwy 06 and Rwy 24—CTAF.

AIRPORT REMARKS: Attended dalgt hrs. Afd sfc conditions not monitored

0530-1300Z±. Cold temperature restricted airport. Altitude correction

required at or below -22C/-8F. PPR unscheduled air carrier ops with

more than 30 passenger seats ctc ARFF station 307-673-1875. Glider

activity on and in vicinity of arpt. Fixed wing acft rstd to rwys and twys only. TPA—4821(800), for Turbo Prop and Jet

5521(1500).

AIRPORT MANAGER: 307-674-4222

WEATHER DATA SOURCES: ASOS 135.175 (307) 672-5349. SAWRS 1100-0600Z±.

COMMUNICATIONS: CTAF/UNICOM 123.0

RCO 122.5 (CASPER RADIO)

SALT LAKE CENTER APP/DEP CON 127.75

AIRSPACE: CLASS E

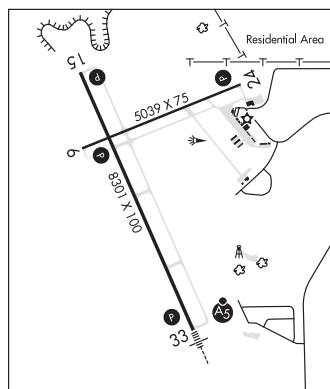
RADIO AIDS TO NAVIGATION: NOTAM FILE SHR.

(L) VOR/DME 115.3 SHR Chan 100 N44°50.54' W107°03.67' 132° 5.6 NM to fld. 4397/10E.

VOR/DME unusable:

160°-270° byd 25 NM

ILS/DME 108.7 I-SHR Chan 24 Rwy 33. DME unusable byd 15° left of course.



BILLINGS

H-1E, 2G, L-13D

IAP, AD

SHIVELY FLD (See SARATOGA on page 241)

SHOSHONI MUNI (49U) 1 N UTC-7(-6DT) N43°15.06' W108°07.32'

CHEYENNE

4818 NOTAM FILE CPR

RWY 08-26: 4650X90 (DIRT) 0.4% up E

RWY 08: P-line.

RWY 11-29: 2950X75 (DIRT) 1.0% up E

RWY 11: Fence.

AIRPORT REMARKS: Unattended. Antelope on arpt. Arpt has uncontrolled vehicle access. Segmented circle is NSTD with

alternating 4 white tires and 4 yellow tires, no spacing between sets. Rwy 08-26 no line of sight between rwy ends. Rwy

08-26 and Rwy 11-29 numerous rocks on rwy surface, rwy soft when wet. Rwy 08-26 and Rwy 11-29 thlds not

marked.

AIRPORT MANAGER: 307-876-2515

COMMUNICATIONS: CTAF 122.9

SOUTH BIG HORN CO (See GREYBULL on page 233)

SOUTH PASS FWZ N42°30.80' W108°46.63'/8490

CHEYENNE

AWOS-3PT 118.350 (307) 709-2644

H-3E, L-11E

THERMOPOLIS

HOT SPRINGS CO—THERMOPOLIS MUNI (THP)(KTHP) 1 N UTC-7(-6DT) N43°39.50' W108°12.79' **CHEYENNE**
L-11E

4592 B NOTAM FILE CPR

RWY 01-19: H4800X100 (ASPH-PFC) S-13 LIRL 2.5% up S

RWY 19: SAVASI(S2L)—GA 3.0° TCH 26'.

SERVICE: FUEL 100LL LGT ACTIVATE LIRL Rwy 01-19 and SAVASI Rwy 19—122.8.

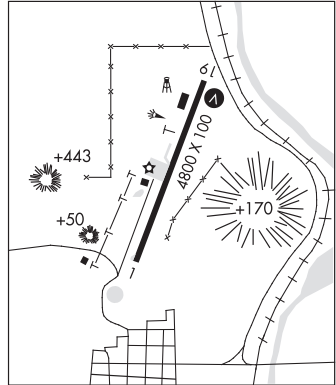
AIRPORT REMARKS: Attended Oct-Apr 1500-0000Z†, May-Sep 1430-0030Z†. For after hrs svc call 307-921-9982. Closed all major holidays. Self-serve credit card fuel avbl 24 hrs. Due to terrain, ops at ngt not recommended. Hills on each side of rwy, not obstruction lgtd. Rwy 01-19 +4' dip/through 137' to 145' from Rwy 01 thld entire width of rwy. Extensive cracking and line of sight issues on entire rwy. Rwy 19 end +204' hill on rwy centerline extended. Ground drops off 50' at 15' from Rwy 01 thld and 15' at 30' from Rwy 19 thld. Rwy 01-19 is 118' higher on south end. Recommend ldg uphill Rwy 19; tkf downhill Rwy 01 depending on wind.

AIRPORT MANAGER: (307) 927-9982

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

BOYSEN RESERVOIR (H) VORW/DME 117.8 BOY Chan 125
N43°27.79' W108°17.98' 002° 12.3 NM to fld.
7550/16E.



HOT SPRINGS CO (HSG) 10 NW UTC-7(-6DT) N43°42.82' W108°23.38'

CHEYENNE
H-3E, L-11E

4895 B NOTAM FILE CPR Not insp.

RWY 05-23: H6370X75 (ASPH) S-30, D-45 MIRL

RWY 05: REIL. PAPI(P2L)—GA 3.0° TCH 40'.

RWY 23: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Rgt tfc.

SERVICE: FUEL 100LL LGT ACTIVATE MIRL Rwy 05-23, PAPI Rwy 05 and 23, REIL Rwy 5 and 23—122.8.

AIRPORT REMARKS: Attended 1400-2300Z† Mon-Fri. For svc after hrs phone 307-921-8579. Fuel avbl with self-serve credit card. Birds and wildlife on and invof arpt.

AIRPORT MANAGER: (307) 867-2027

WEATHER DATA SOURCES: AWOS-3PT 121.125 (307) 867-2033.

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE CPR.

BOYSEN RESERVOIR (H) VORW/DME 117.8 BOY Chan 125 N43°27.79' W108°17.98' 329° 15.5 NM to fld.
7550/16E.

THOMAS MEM (See GLENDON on page 232)

TORRINGTON MUNI (TOR)(KTOR) 2 E UTC-7(-6DT) N42°03.87' W104°09.16'

CHEYENNE

4207 B TPA-5207(1000) NOTAM FILE TOR

H-5A, L-12F

RWY 10-28: H5703X75 (ASPH-PFC) S-33, D-45 MIRL

IAP

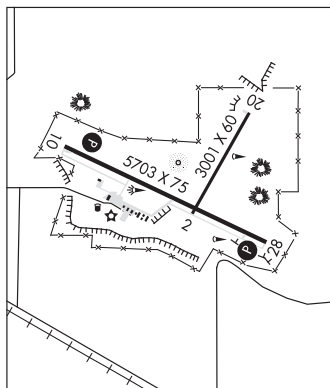
RWY 10: PAPI(P2L)—GA 3.0° TCH 40'.**RWY 28:** REIL. PAPI(P2L)—GA 3.0° TCH 40'. Hiil.**RWY 02-20:** H3001X60 (ASPH)**RWY 02:** Ground. Rgt tfc.**SERVICE:** S4 **FUEL** 100LL, JET A **LGT** ACTIVATE MIRL Rwy 10-28, PAPI Rwy 10 and Rwy 28 and REIL Rwy 28—CTAF. MIRL will only activate if bcn is opr dur dark or overcast periods.**AIRPORT REMARKS:** Attended 1500-0000Z±, exc natl hol. For fuel after hrs call 307-532-2941 or 307-534-5711. Deer and waterfowl on and invof arpt. Rwy 20, 7' drop off 60' left and rgt of cntrin at thld, Rwy 10, 7' drop 100' from thld and 75' rgt. Reflectors along parallel twys only, others lgtd.**AIRPORT MANAGER:** 307-532-8551**WEATHER DATA SOURCES:** ASOS 118.375 (307) 532-8958.**COMMUNICATIONS:** CTAF/UNICOM 122.8**®DENVER CENTER APP/DEP CON** 127.95**RADIO AIDS TO NAVIGATION:** NOTAM FILE BFF.**SCOTTSBLUFF (H) VORTAC** 112.6 BFF Chan 73 N41°53.65'

W103°28.92' 276° 31.7 NM to fld. 4169/13E.

TACAN AZIMUTH & DME unusable:

025°-060° 25 NM blo 6,300'

310°-025° 25 NM blo 6,500'

NDB (MHW) 293 **TOR** N42°03.95' W104°09.20' at fld. NOTAM FILE TOR.**UPTON MUNI** (83V) 1 SW UTC-7(-6DT) N44°05.43' W104°38.45'

CHEYENNE

4290 B NOTAM FILE CPR

RWY 13-31: 3710X80 (GRVL-DIRT) MIRL**RWY 13:** SAVASI(S2L)—GA 3.0° TCH 25'.**RWY 31:** SAVASI(S2L)—GA 3.0° TCH 25'.**AIRPORT REMARKS:** Unattended. For arpt attendant call 307-468-2663. Wildlife on and invof arpt. Radio ctld airplane activity within rwy environment. Ctc arpt mgr for rwy cond prior to winter ops phone 307-468-2441. No regular snow removal. Hangars within transitional sfc. Rwy 13-31 marginal line of sight from rwy ends. +3' berms along rwy edges.

Non-working +3' lgts on non-frangible bases at rwy edges OTS indef. All arpt lggt OTS indef. Rwy 13 and Rwy 31 VASI OTS indef.

AIRPORT MANAGER: (307) 468-2633**COMMUNICATIONS:** CTAF/UNICOM 122.8**WENZ** N42°47.57' W109°48.36' NOTAM FILE PNA.

SALT LAKE CITY

NDB (MHW) 392 **PNA** at Ralph Wenz Fld.

L-110

WHEATLAND

PHIFER AIRFIELD (EAN)(KEAN) 1 E UTC-7(-6DT) N42°03.33' W104°55.72'

4776 B NOTAM FILE CPR

RWY 08-26: H5900X75 (ASPH) S-15 MIRL

RWY 08: PAPI(P2L)—GA 3.15° TCH 31'. Tree.

RWY 26: PAPI(P2L)—GA 3.0° TCH 26'.

SERVICE: LGT ACTIVATE MIRL Rwy 08-26—CTAF. PAPIs on continuously.

AIRPORT REMARKS: Unattended. Marginal line of sight Rwy 26 thld to area 3000' west.

AIRPORT MANAGER: 307-322-2962

WEATHER DATA SOURCES: AWOS-3PT 121.125 (307) 322-1557.

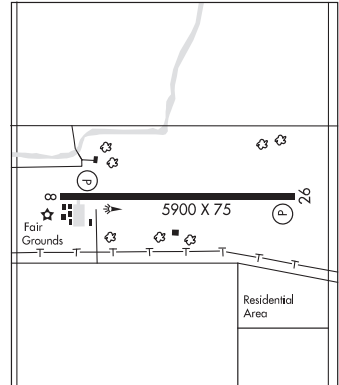
COMMUNICATIONS: CTAF 122.9

® **DENVER CENTER APP/DEP CON** 135.6

RADIO AIDS TO NAVIGATION: NOTAM FILE DGW.

HIPSHER (L) VORW/DME 108.6 IIP Chan 23 N42°40.57' W105°13.57' 148° 39.5 NM to fld. 4906/12E.

CHEYENNE
H-3F, 5A, L-12F
IAP



WORLAND MUNI (WRL)(KWRL) 3 S UTC-7(-6DT) N43°57.77' W107°57.03'

4252 B Class III, ARFF Index A NOTAM FILE WRL

RWY 16-34: H7001X100 (ASPH-PFC) S-50, D-70 PCN 18 F/C/X/T

MIRL 1.1% up S

RWY 16: REIL. PAPI(P4L)—GA 3.0° TCH 40'.

RWY 34: REIL. PAPI(P4L)—GA 3.0° TCH 40'.

RWY 10-28: 2501X60 (TURF) 1.6% up SE

RWY 04-22: 2241X60 (TURF) 0.5% up NE

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-2241 TODA-2241 ASDA-2241 LDA-2241

RWY 10: TORA-2501 TODA-2501 ASDA-2501 LDA-2501

RWY 16: TORA-7001 TODA-7001 ASDA-7001 LDA-7001

RWY 22: TORA-2241 TODA-2241 ASDA-2241 LDA-2241

RWY 28: TORA-2501 TODA-2501 ASDA-2501 LDA-2501

RWY 34: TORA-7001 TODA-7001 ASDA-7001 LDA-7001

SERVICE: S4 FUEL 100LL, JET A LGT ACTIVATE MIRL Rwy 16-34, REIL Rwy 16 and Rwy 34 and PAPI Rwy 34—CTAF. PAPI Rwy 16 opr continuously.

AIRPORT REMARKS: Attended 1300-2330Z±. Rwy 04-22 and Rwy 10-28 CLOSED Oct 30-Mar 30 yearly. CLOSED to air carrier operations with more than 30 passenger seats. Wind permitting land Rwy 16.

AIRPORT MANAGER: 307-347-8977

WEATHER DATA SOURCES: ASOS 135.475 (307) 347-4217.

COMMUNICATIONS: CTAF/UNICOM 123.05

RCO 122.4 (CASPER RADIO)

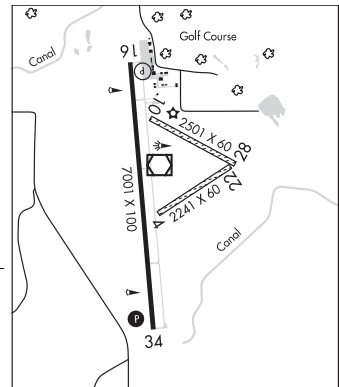
® **SALT LAKE CENTER APP/DEP CON** 133.25

AIRSPACE: CLASS E svc 1330-0530Z± other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE WRL.

(L) VORW/DME 114.8 RLY Chan 95 N43°57.85' W107°57.05' at fld. 4204/13E.

CHEYENNE
H-1E, L-11E
IAP, AD



YELLOWSTONE RGNL (See CODY on page 228)

The purpose of this bulletin is to provide major changes in aeronautical information that have occurred since the last publication date of each Sectional Aeronautical, VFR Terminal Area, and Helicopter Route Chart listed. The general policy is to include only those changes to controlled airspace and special use airspace that present a hazardous condition or impose a restriction on the pilot, and major changes to airports and radio navigational facilities, thereby providing the VFR pilot with the essential data necessary to update and maintain chart currency. The data is grouped by type and then by effective date. When a new edition of the Aeronautical Chart is published, the corrective tabulation will be removed from this bulletin. Inasmuch as this Bulletin provides major changes only, pilots should consult the airport listing in this directory for all new information. Users of U.S. World Aeronautical Charts (WAC) and U.S. Gulf Coast VFR Aeronautical Charts should consult the appropriate Sectional and VFR Terminal Area Charts for revisions. Positions are shown as degrees, minutes, seconds and hemisphere. Data is current as of 56 days prior to the date of this publication.

Military Training Routes (MTRs) are shown on Sectional Aeronautical Charts, VFR Terminal Area, and Helicopter Route Charts. Only the route centerline, direction of flight and the route designator are shown — route widths and altitudes are not shown. Since these routes are subject to change every 56 days and the charts are reissued generally every 6 months, routes with a change in the alignment of the charted route centerline will be listed in this Aeronautical Chart Bulletin below. You are advised to contact Flight Service for route dimensions and current status for those routes affecting your flight.

BILLINGS SECTIONAL

91st Edition, 31 Mar 2016

OBSTRUCTIONS

31 Mar 2016 No Major Changes.

AIRPORTS

31 Mar 2016 No Major Changes.

NAVAIDS

31 Mar 2016 No Major Changes.

AIRSPACE

31 Mar 2016 No Major Changes.

SPECIAL USE AIRSPACE

31 Mar 2016 No Major Changes.

MILITARY TRAINING ROUTES

31 Mar 2016 No Major Changes.

MISCELLANEOUS

31 Mar 2016 No Major Changes.

CHEYENNE SECTIONAL

93rd Edition, 7 Jan 2016

OBSTRUCTIONS

4 Feb 2016 Add obst 2620' MSL (349' AGL), 43°53' 41"N, 100°53' 12"W.

31 Mar 2016 No Major Changes.

AIRPORTS

4 Feb 2016 – 31 Mar 2016 No Major Changes.

NAVAIDS

4 Feb 2016 No Major Changes.

31 Mar 2016 Delete RAWLINS VOR-DME, 41°48' 17"N, 107°12' 17"W.

AIRSPACE

4 Feb 2016 – 31 Mar 2016 No Major Changes.

SPECIAL USE AIRSPACE

4 Feb 2016 – 31 Mar 2016 No Major Changes.

MILITARY TRAINING ROUTES

4 Feb 2016 – 31 Mar 2016 No Major Changes.

MISCELLANEOUS

4 Feb 2016 – 31 Mar 2016 No Major Changes.

GREAT FALLS SECTIONAL
90th Edition, 7 Jan 2016**OBSTRUCTIONS**

4 Feb 2016 No Major Changes.

31 Mar 2016 Add obst 4546' MSL (205' AGL), 45°49'00"N, 111°14'53"W.

AIRPORTS

4 Feb 2016 No Major Changes.

31 Mar 2016 Delete SEVEN SHAMROCK arpt, 48°21'50"N, 116°24'13"W.

NAVAIDS

4 Feb 2016 No Major Changes.

31 Mar 2016 Raise all outbound bearings from SALMON VOR-DME by 5 degrees, 45°01'17"N, 114°05'03"W.

AIRSPACE

4 Feb 2016 – 31 Mar 2016 No Major Changes.

SPECIAL USE AIRSPACE

4 Feb 2016 – 31 Mar 2016 No Major Changes.

MILITARY TRAINING ROUTES

4 Feb 2016 – 31 Mar 2016 No Major Changes.

MISCELLANEOUS

4 Feb 2016 – 31 Mar 2016 No Major Changes.

KLAMATH FALLS SECTIONAL
94th Edition, 31 Mar 2016**OBSTRUCTIONS**

31 Mar 2016 No Major Changes.

AIRPORTS

31 Mar 2016 No Major Changes.

NAVAIDS

31 Mar 2016 No Major Changes.

AIRSPACE

31 Mar 2016 No Major Changes.

SPECIAL USE AIRSPACE

31 Mar 2016 No Major Changes.

MILITARY TRAINING ROUTES

31 Mar 2016 No Major Changes.

MISCELLANEOUS

31 Mar 2016 No Major Changes.

SALT LAKE CITY SECTIONAL
95th Edition, 31 Mar 2016**OBSTRUCTIONS****31 Mar 2016** No Major Changes.**AIRPORTS****31 Mar 2016** No Major Changes.**NAVAIDS****31 Mar 2016** No Major Changes.**AIRSPACE****31 Mar 2016** No Major Changes.**SPECIAL USE AIRSPACE****31 Mar 2016** No Major Changes.**MILITARY TRAINING ROUTES****31 Mar 2016** No Major Changes.**MISCELLANEOUS****31 Mar 2016** No Major Changes.

SALT LAKE CITY TERMINAL AREA CHART
54th Edition, 31 Mar 2016**OBSTRUCTIONS****31 Mar 2016** No Major Changes.**AIRPORTS****31 Mar 2016** No Major Changes.**NAVAIDS****31 Mar 2016** No Major Changes.**AIRSPACE****31 Mar 2016** No Major Changes.**SPECIAL USE AIRSPACE****31 Mar 2016** No Major Changes.**MILITARY TRAINING ROUTES****31 Mar 2016** No Major Changes.**MISCELLANEOUS****31 Mar 2016** No Major Changes.

SEATTLE SECTIONAL
90th Edition, 10 Dec 2015**OBSTRUCTIONS**

10 Dec 2015 – 31 Mar 2016 No Major Changes.

AIRPORTS

10 Dec 2015 No Major Changes.

4 Feb 2016 Delete ROSS arpt, 47°45'47"N, 120°09'07"W.

Delete SKATTER CREEK arpt, 46°49'29"N, 123°02'04"W.

Delete FROSTY CREEK arpt, 48°34'40"N, 118°59'05"W.

Add AURORA STATE ATCT 120.35, 45°14'50"N, 122°46'12"W.

31 Mar 2016 Change CTAF 122.7 to 120.35 at AURORA STATE arpt, 45°14'50"N, 122°46'12"W.

NAVAIDS

10 Dec 2015 – 31 Mar 2016 No Major Changes.

AIRSPACE

10 Dec 2015 – 31 Mar 2016 No Major Changes.

SPECIAL USE AIRSPACE

10 Dec 2015 – 31 Mar 2016 No Major Changes.

MILITARY TRAINING ROUTE

10 Dec 2015 – 31 Mar 2016 No Major Changes.

MISCELLANEOUS

10 Dec 2015 No Major Changes.

4 Feb 2016 Add parachute jump area and freq 118.1, 45°12'59"N, 122°35'25"W.

Change AWOS-3 freq 119.25 to 119.025 at JEFFERSON CO INTL arpt, 48°03'29"N, 122°48'41"W.

31 Mar 2016 No Major Changes.

SEATTLE TERMINAL AREA CHART
85th Edition, 10 Dec 2015**OBSTRUCTIONS**

10 Dec 2015 – 31 Mar 2016 No Major Changes.

AIRPORTS

10 Dec 2015 No Major Changes.

4 Feb 2016 Delete SKATTER CREEK arpt, 46°49'29"N, 123°02'04"W.

31 Mar 2016 No Major Changes.

NAVAIDS

10 Dec 2015 – 31 Mar 2016 No Major Changes.

AIRSPACE

10 Dec 2015 – 31 Mar 2016 No Major Changes.

SPECIAL USE AIRSPACE

10 Dec 2015 – 31 Mar 2016 No Major Changes.

MILITARY TRAINING ROUTES

10 Dec 2015 – 31 Mar 2016 No Major Changes.

MISCELLANEOUS

10 Dec 2015 No Major Changes.

4 Feb 2016 Change AWOS-3 freq 119.25 to 119.025 at JEFFERSON CO INTL arpt, 48°03'29"N, 122°48'41"W.

31 Mar 2016 No Major Changes.

2016 U.S. & CANADIAN MILITARY AERIAL AIRCRAFT/PARACHUTE DEMONSTRATIONS

During CY 2016, the U.S. and Canadian Military Aerial Demonstration Teams (Thunderbirds, Blue Angels, Snowbirds, and Golden Knights) will be performing on the dates and locations listed below.

Pilots should expect Temporary Flight Restrictions (TFR) in accordance with 14 CFR Section 91.145, Management of Aircraft operations in the vicinity of aerial demonstrations and major sporting events. The dimensions and effective times of the TFRs may vary based upon the specific aerial demonstration event and will be issued via the U.S. NOTAM system. Pilots are strongly encouraged to check FDC NOTAMs to verify they have the most current information regarding these airspace restrictions.

The currently scheduled 2016 aerial demonstration locations, subject to change without notice are:

DATE		USAF Thunderbirds	USN Blue Angels	USA Golden Knights	Canadian Snowbirds
April	2-3	Luke AFB, AZ	NAS Key West, FL	Mobile, AL Luke AFB, AZ	
	2-4			Lakeland, FL	
	9-10	Lake City, FL	NAS Kingsville, TX		
	16-17	March ARB, CA	Knoxville, TN		
	16-21			San Antonio, TX	
	23-24	Langley AFB, VA	NAS Ft. Worth JRB, TX	Langley AFB, VA Ft. Worth, TX	
	30	Barksdale AFB, LA	MCAS Cherry Point, NC	Ft. Bragg, NC	
May	1	Barksdale AFB, LA	MCAS Cherry Point, NC	Ft. Bragg, NC	
	7-8	Ft. Lauderdale, FL	Lincoln, NE		Ft. Lauderdale, FL
	11			Cape Girardeau, MO	Cape Girardeau, MO
	14-15	JB McGuire-Dix-Lakehurst, NJ	St. Louis, MO	JB McGuire-Dix-Lakehurst, NJ	Chesterfield, MO
	21-22	Shaw AFB, SC	Lynchburg, VA	Latrobe, PA Torrance, CA	Latrobe, PA
	25		US Naval Academy, MD		
	26			Ft. Bragg, NC	
	27		US Naval Academy, MD		
	28-29	Cannon AFB, NM	Jones Beach, NY	Columbia, MD Jones Beach, NY	Jones Beach, NY
June	2	USAF Academy, CO			
	4-5	Kirtland AFB, NM	Smyrna, TN		
	11-12	North Kingstown, RI	Syracuse, NY	Clairemore, OK Syracuse, NY	
	15			West Point, NY	
	18-19	Ocean City, MD	Dayton, OH	Rockford, IL Omaha, NE	
	22				Ypsilanti, MI
	25-26	Hill AFB, UT	Vero Beach, FL	Hill AFB, UT	
July	2-4	Battle Creek, MI	Traverse City, MI		
	3			Dubuque, IA Battle Creek, MI	
	4			Elizabethtown, KY Battle Creek, MI	
	9-10	Duluth, MN	Gary, IN	Duluth, MN Gary, IN	
	16		Pensacola Beach, FL		
	16-17	Toledo, OH		Toledo, OH	
	23	Vance AFB, OK		New York City, NY	
	23-24		Sioux Falls, SD	Clearfield, PA Sioux Falls, SD	
	27	Cheyenne, WY			
	30-31	Offutt AFB, NE	Elmendorf AFB, AK	Elmendorf AFB, AK	Oshkosh, WI
August	6-7		Seattle, WA	Seattle, WA	
	13-14	Burlington, VT		Minot AFB, ND	
	17	Atlantic City, NJ		Atlantic City, NJ	
	20-21	Chicago, IL		Camarillo, CA Chicago, IL	
	22-24			Grey, TN	
	27-28	JB Lewis-McChord, WA		JB Lewis-McChord, WA	

SPECIAL NOTICES

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DATE		USAF Thunderbirds	USN Blue Angels	USA Golden Knights	Canadian Snowbirds
September	3-4	New Windsor, NY		Cleveland, OH	
	3-5		Cleveland, OH		
	5			Indianapolis, IN	
	10-11	Ft. Wayne, IN	NAS Oceana, VA	Waukegan, IL	
	17-18	Sheppard AFB, TX	Reno, NV	Durango, CO	
	24-25	Salinas, CA	MCAS Miramar, CA	Salinas, CA San Diego, CA	Sidney, MT
October	1-2	Robbins AFB, GA	Aurora, CO	Sacramento, CA Lincoln, NE	Owensboro, KY
	8			Lincoln, CA	
	8-9	Daytona Beach, FL	San Francisco, CA	Daytona Beach, FL	Daytona Beach, FL
	14			Edwardsburg, MI	
	15-16	Ft. Worth, TX	Baltimore, MD	Bowie, MD	
	22-23	Huntington Beach, CA	Houston, TX	Punta Gorda, FL	
	29-30	Rome, GA	NAS Patuxent River, MD	NAS Patuxent River, MD	
November	5-6	Homestead ARB, FL	Jacksonville Beach, FL	Homestead ARB, FL Kemah, TX	
	12		NAS Pensacola, FL	Austin, TX	
	12-13	Nellis AFB, NV			
December	10-11			Baltimore, MD	

Note: Dates and locations are scheduled "show dates" only and do not reflect arrival or practice date TFR periods that may precede the specific aerial demonstration events listed above. Again, pilots are strongly encouraged to check FDC NOTAMs to verify they have the most current information regarding any airspace restrictions.

SPACE LAUNCH ACTIVITY AREAS

The following tabulation lists all of the space launch activity areas where federally licensed or permitted commercial space transportation operations occur. A space launch activity area is an area where hazardous operations might occur and are depicted on the appropriate visual charts for pilot awareness. The exact location and size of the hazard area and effective time of operation vary—NOTAMs are issued for the space launch activity area prior to every federally licensed or permitted launch or reentry activity. Note that in the description section, some space launch activity areas do not have any licensed or permitted operations, while others only have vertical launches from launch pads and some have horizontal launches from runways. In order to remain clear of the hazard area when the area is operational, it is necessary to check NOTAMs for the specific space launch activity area prior to flight to determine the exact location and size of the hazard area and time of the activity. The appropriate facilities for obtaining NOTAMs for each space launch activity area are listed in the table.

Please note that only space launch activity areas where 14 CFR Part 400 commercial space transportation operations occur are denoted in this list. Although Part 101 amateur rocket operations may occur at the space launch activity areas noted in this list, Part 101 amateur rocket launches may also occur elsewhere in the United States and are not indicated below.

State	Name	Co- Located Airport	Nearest Airport (if not co- located)	Distance from Nearest Airport	Direction from Nearest Airport	Latitude	Longitude	Description	Check for NOTAMS
AK	Pacific Spaceport Complex Alaska		PADQ	20	S	57°26'6.49"N	152°20'21.66"W	Space launch and reentry operations are conducted at various times within area. Vertical launch and reentry activities are conducted from launch pads approximately 20nm south of PADQ.	ZAN or PAZA
CA	California Spaceport at Vandenberg AFB	VBG				34°38'26.29"N	120°35'23.34"W	Space launch and reentry operations are conducted at various times within area. Vertical launch and reentry activities are conducted from launch pads located as far south as 12 nm from KVBG airport.	KZLA, KVBG, KHHR
CA	Mojave Air & Spaceport	MHV				35°03'32.19"N	118°09'02.19"W	Space launch and reentry operations are conducted at various times within area. Vertical launch and reentry activities are conducted from launch pads located north of runways. Horizontal launch and reentry activity are conducted from runways.	KMHV, KEDW, KZLA
FL	Cape Canaveral Area (Space Florida, Cape Canaveral Air Force Station, Shuttle Landing Facility, Kennedy Space Center)	XMR, TTS				28°28'2.42"N	80°33'58.94"W	Space launch and reentry operations are conducted at various times within the area. Vertical launch and reentry activities are conducted from launch pads located throughout the Cape Canaveral Area. Horizontal launch and reentry activities are not currently being conducted at the Shuttle Landing Facility (SLF).	KZMA
FL	Cecil Field Spaceport	VQQ				30°13'07.6"N	81°52'37.8"W	Space launch and reentry operations are not currently being conducted in the SLA. The site does not have a licensed operator authorized to conduct any space launch or reentry activities in the area.	KZJX, KVQQ, KZMA

State	Name	Co- Located Airport	Nearest Airport (if not co- located)	Distance from Nearest Airport	Direction from Nearest Airport	Latitude	Longitude	Description	Check for NOTAMS
NM	Spaceport America	9NM9				32°59'22.7"N	106°58'10.1"W	Space launch and reentry operations are conducted at various times within the area. Vertical launch and reentry activities are conducted from launch pads southeast of runway. Although horizontal launch and reentry activities are not currently being conducted at Spaceport America, a launch operator has approached the FAA with the intent to begin horizontal launch and reentry operations at Spaceport America in the future.	KZAB
OK	Oklahoma Spaceport	CSM				35°20'23.42"N	99°12'01.8"W	Space launch and reentry operations are not currently being conducted in the SLA. The site does not have a licensed operator authorized to conduct any space launch or reentry activities in the area.	KZFW, KCSM, KZKC
TX	Houston Spaceport	EFD				29°36'26"N	95°9'32"W	Space launch and reentry operations are not currently being conducted in the SLA. The site does not have a licensed operator authorized to conduct any space launch or reentry activities in the area.	KZHU, KEFD
TX	Midland Spaceport	MAF				31°56'33.1"N	102°12'06.9"W	Space launch and reentry operations are not currently being conducted in the SLA. The site does not have a licensed operator authorized to conduct any space launch or reentry activities in the area.	KMAF, KZFW
TX	SpaceX Rocket Development Facility		PWG	9	SW	31°23'33.66"N	97°27'46.25"W	Sub-orbital launch operations are conducted from the facility at various times.	KTPL, KZHU, KPWG, KZFW
TX	West Texas Launch Site		VHN	22	N	31°24'24.26"N	104°45'8.74"W	Sub-orbital space launch operations are conducted from the site at various times.	KZAB
VA	Mid-Atlantic Regional Spaceport at Wallops Flight Facility		WAL	5	S	37°51'2.13"N	75°28'15.93"W	Space launch and reentry operations are conducted at various times within area. Vertical launch and reentry activities are conducted from launch pads located about 5 nm south of KWAL airport.	KZDC

**VFR ADVISORY AREA
Canadian Airspace
VICTORIA-VANCOUVER
(Effective: Until Further Notice)**

Effective 0901 UTC August 6, 1994, a VFR Advisory Area was permanently established between the two Canadian control zones, from above 1,200 MSL up to 2,500 MSL. Vancouver and Victoria Towers provide radar traffic information to all participating aircraft within the VFR Advisory Area.

PROCEDURES

Victoria/Vancouver

*All aircraft operating between Victoria and Vancouver within the VFR Advisory Area should follow the routes shown on the graphic.

***Northbound:** Change from Victoria Tower, 119.1, to Vancouver Tower, 124.0, when instructed by ATC.

***Southbound:** Change from Vancouver Tower, 124.0, to Victoria Tower, 119.1, when instructed by ATC.

*Set transponder codes as requested.

TRANSITING TRAFFIC

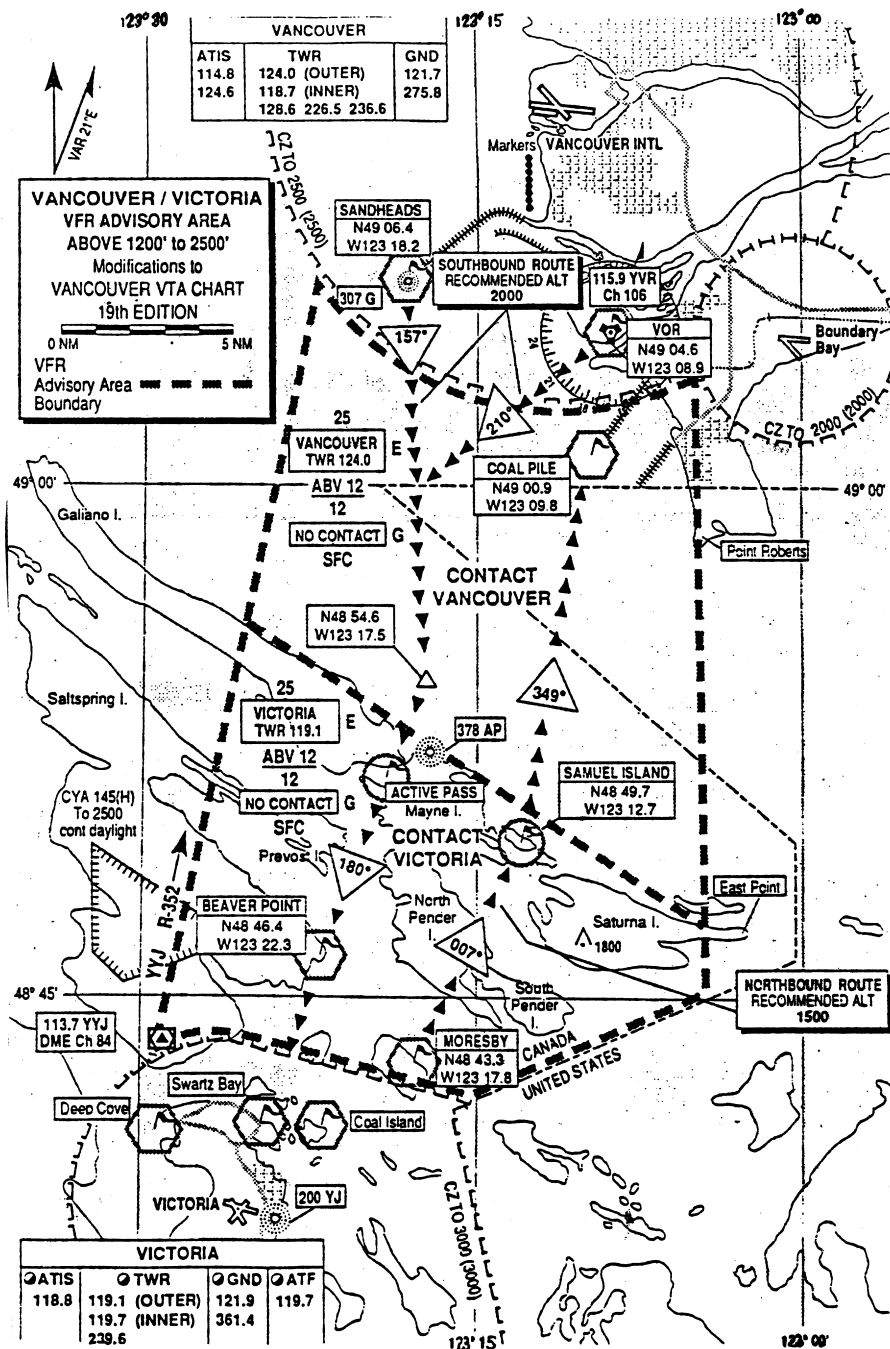
*Call Vancouver Tower on 124.0 when north of the Active Pass/Samuel Island Line.

*Call Victoria Tower on 119.1 when south of the Active Pass/Samuel Island Line.

*Set Transponder codes as requested.

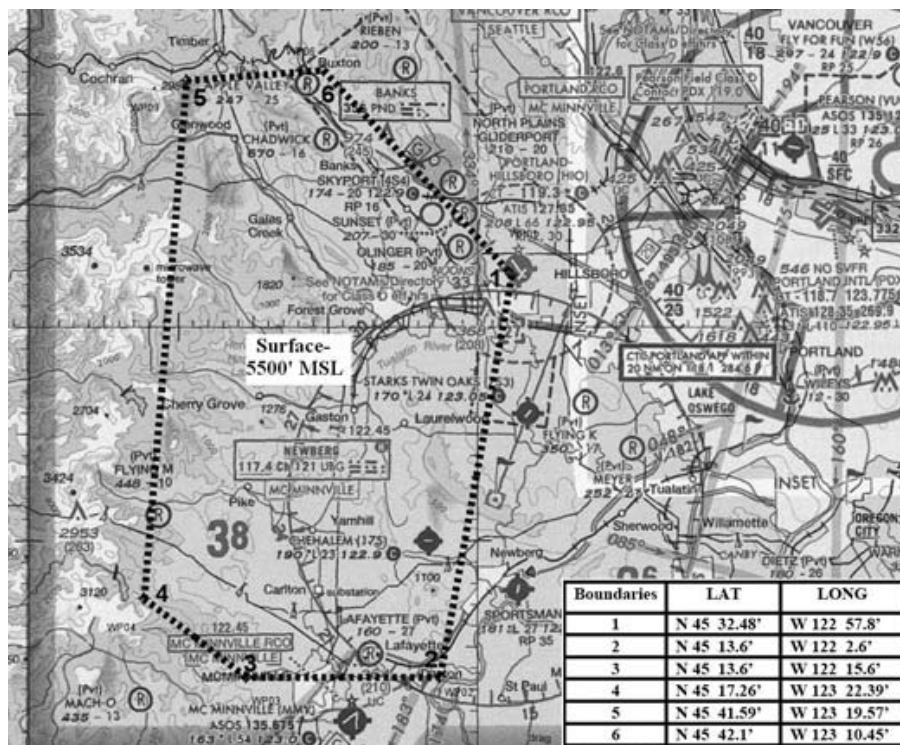
Routes and recommended altitudes will not be usable by all aircraft at all times because of weather and regulations pertaining to flight over water. Higher altitudes may be requested. If unable to maintain VFR, advise ATC.

CONTINUED ON NEXT PAGE



INTENSIVE FLIGHT TRAINING IN VICINITY OF PORTLAND-HILLSBORO AIRPORT, HILLSBORO, OR

Intensive flight training activity in areas S to NW of the Portland-Hillsboro Airport within 25 NM at or below 5500 MSL. These areas are in use from sunrise to sunset daily. Participating aircraft reports on 122.75.



**VFR ADVISORY AREA IN VICINITY OF
PEARSON FIELD AIRPORT
VANCOUVER, WA**

A VFR Advisory Area has been established at Pearson Field (VUO) in Vancouver, WA. Pilots should exercise caution when arriving and departing VUO due to the close proximity of Portland International Airport (PDX) (see chart). When operating over the VUO runway, or the extended runway centerline, pilots should maintain at or below 700' MSL due to overflying traffic to and from PDX.

VUO has a 24-hour Class D surface area but there is no Airport Traffic Control Tower at the airport. Pilots must contact Pearson Advisory on VUO Common Traffic Advisory Frequency (CTAF) 119.0 prior to entering the Class D surface area. Pearson Advisory provides VUO pilots with traffic and wake turbulence advisories about PDX traffic on this frequency.

NOTE- Pearson Advisory does not control VFR aircraft in the VUO Class D surface area. CTAF procedures apply.

VUO Airport Recommended Procedures:

1. Departing pilots:

- a. Obtain the VUO weather via ASOS 135.125 or by calling (360) 696-1280.
- b. Contact Pearson Advisory on 119.0 prior to departing and state intentions.

Example - "Pearson Advisory, N7491A at runway eight, departing north along I-5 with the Pearson weather."

- c. IFR pilots: Use Pearson Advisory 119.0 to request clearance and IFR release from VUO.

2. Arriving pilots:

- a. Obtain the VUO weather.
- b. Contact Pearson Advisory on 119.0 at least five miles from VUO with your position and intentions.

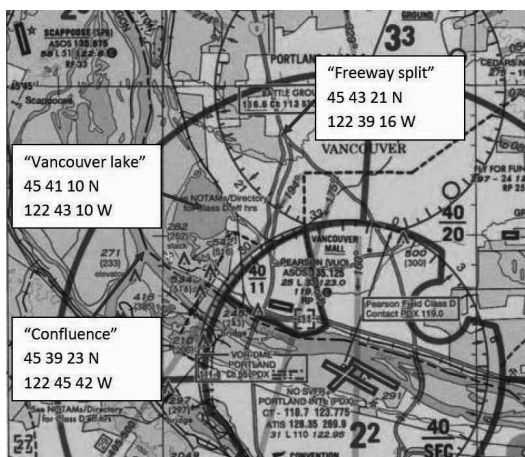
Example - "Pearson Advisory, N7491A over Vancouver Lake, inbound to runway eight with the Pearson weather."

NOTE - The geographical points of Vancouver Lake, the Freeway Split, and the Confluence are commonly used.

Pilots can expect traffic and wake turbulence advisories on PDX traffic and instructions to remain outside Portland Class C airspace. Pilots can also expect to be advised of the current direction of the PDX traffic flow and should, when safe, operate in the same direction as the PDX flow.

After initial contact with Pearson Advisory, pilots should resume broadcasting their position and intentions on CTAF (119.0) as they would at any uncontrolled airport. **Example** - "Pearson traffic, N7491A departing runway eight."

NOTE - Pilots should not make these position reports on VUO Unicom 123.0.



CONTROLLED FIRING
Fort Harrison Controlled Firing Area
Helena, Montana

Controlled firing occurs in the vicinity of the Helena, Montana VORTAC (HLN) 24 hours daily, 5'800 MSL and BELOW. The area defined by the following radial/DME coordinates HLN258008, HLN258005, HLN250008, HLN250005.

Limestone Hills Controlled Firing Area
Helena, Montana

Controlled firing occurs in the vicinity of the Helena, Montana VORTAC (HLN) 24 hours daily, FL180 and BELOW. The area defined by the following radial/DME coordinates HLN125026, HLN127028, HLN140025, HLN125028.

**SPECIAL NORTH ATLANTIC, CARIBBEAN AND
PACIFIC AREA COMMUNICATIONS**

VHF air-to-air frequencies enable aircraft engaged in flights over remote and oceanic areas out of range of VHF ground stations to exchange necessary operational information and to facilitate the resolution of operational problems.

Frequencies have been designated as follows:

North Atlantic area:	123.45 MHz
Caribbean area:	123.45 MHz
Pacific area:	123.45 MHz

MOUNT ST. HELENS NATIONAL VOLCANIC MONUMENT, WASHINGTON

The U.S. Geological Survey (USGS) and the U.S. Forest Service (USFS) conduct low level flights to and from monitor station within the monument and within the crater itself. Due to this activity, the volatility of the volcano and a high volume of sightseeing flights in the area, the following procedures are recommended in the interest of flying safety.

1. VFR aircraft are encouraged to transmit an initial position report on 122.75 MHz in the blind when flying at altitudes of less than 10,000 feet MSL within 10 nautical miles of the Mount St. Helens volcano crater.
 2. VFR flight below 3000 feet AGL – strongly not recommended.
 3. VFR flight above 3000 feet AGL – fly a counterclockwise pattern, no closer than 3 miles to the volcano summit.
- VFR rules of "see and be seen" and good airmanship practices will prevail. Approval to land can only be obtained through appropriate Federal or State authority. Any significant information will be broadcast on the transcribed weather broadcasts by the Seattle and McMinville Flight Service Stations and available on the Portland and Seattle ATIS. Marginal radar coverage limits Seattle Center's ability to provide radar flight following to aircraft in orbit of the volcano.

DEVILS TOWER NATIONAL MONUMENT, WYOMING

For reasons of national welfare, pilots are requested to avoid flights within 3 nautical miles of Devils Tower National Monument.

BIRD HAZARD OREGON AND WASHINGTON

Heavy concentration of migratory and wintering flocks of large waterfowl from the Canadian to California borders annually November to May. Caution advised at all airports or while transiting area.

SIMULTANEOUS OPERATIONS

Boeing Field/King County International Airport
Seattle, Washington

All users: Boeing Field Airport Traffic Control Tower is authorized to conduct simultaneous same direction operations to parallel runways, between sunrise and sunset, for twin engine propeller driven aircraft or smaller.

Spokane International Airport
Spokane, Washington

Application of visual separation for simultaneous operations. When weather conditions at the facility providing visual separation are 1500' or greater ceiling and 5 miles or more visibility, controllers at Spokane International Airport or Fairchild Air Force Base may provide visual separation between aircraft landing and departing simultaneously at Spokane International Airport and Fairchild Air Force Base.

**UNMANNED AIRCRAFT SYSTEMS (UAS)
OPERATIONS IN CANYON COUNTY, ID**

Unmanned Aircraft System activity within Canyon County ID. Pilots flying within Canyon County, ID should be alert for unmanned aircraft systems operating at or below 400 feet Above the Ground (AGL) inclusive.

OPERATIONS IN THE CITY OF SEATTLE, WA

Unmanned Aircraft System activity within the City of Seattle, WA. Pilots flying within the City of Seattle WA should be alert for unmanned aircraft systems operating at or below 400 feet Above the Ground (AGL) inclusive.

LASER LIGHT DEMONSTRATIONS
Bozeman, Montana

Laser research will be conducted daily between 0000 and 2359 MDT until December 1, 2014 at Montana State University, BZN VORTAC 129 degree radial at 08 nm Lat 45-39-59N/Long 111-02-44W. The laser beam elevation will be a maximum of 090 and a minimum of 089. The beam may be injurious to aircrews and passengers' eyes for a distance of 12000 feet AGL vertically and 500 feet laterally of the light source. Other effects cockpit illumination, temporary flash blindness may occur beyond these distances.

SEATTLE-TACOMA INTL
SEATTLE, WASHINGTON**Gatehold Procedures:**

During peak departure periods, gatehold procedures are implemented for all IFR departures. Additional information will be broadcast on ATIS.

Oceanic Departures:

1. Contact Clearance Delivery only when you will be ready to taxi within ten minutes. State destination, requested altitude, "ten minutes to taxi."
 2. If ATC delays are more than 15 minutes for your filed altitude/route, alternatives with less delay will be offered.
 3. Failure to depart the gate within ten minutes or reach the runway at the release time specified in the IFR clearance may result in the cancellation of your clearance.
-

MOUNTAIN HOME, IDAHO

All aircraft operating within 25 NM south of Sturgeon NDB 300°/120° bearing area requested to contact Mountain Home approach on 124.8 for traffic advisories due to intensive military training in the Mountain Home Area.

MILITARY TRAINING ROUTES

The DOD Flight Information Publication AP/1B provides textual and graphic descriptions and operating instructions for all military training routes (IR, VR, SR) and refueling tracks/anchors. Complete and more comprehensive information relative to policy and procedures for IRs and VRs is published in FAA Handbook 7610.4 (Special Military Operations) which is agreed to by the DOD and therefore directive for all military flight operations. The AP/1B is the official source of route data for military users.

CIVIL USE OF MILITARY FIELDS:

U.S. Army, Air Force, Navy and Coast Guard Fields are open to civil fliers only in emergency or with prior permission.

Army installations, prior permission is required from the Commanding Officer of the installation.

For Air Force installations, prior permission should be requested at least 30 days prior to first intended landing from either Headquarters USAF (PRPOC) or the Commander of the installation concerned (who has authority to approve landing rights for certain categories of civil aircraft). For use of more than one Air Force installation, requests should be forwarded direct to Hq USAF (PRPOC), Washington, D.C. 20330.

Use of USAF installations must be specifically justified.

For Navy and Marine Corps installations, prior permission should be requested at least 30 days prior to first intended landing. An Aviation Facility License must be approved and executed by the Navy prior to any landing by civil aircraft.

Forms and further information may be obtained from the nearest U.S. Navy or Marine Corps aviation activity.

For Coast Guard fields prior permission should be requested from the Commandant, U.S. Coast Guard via the Commanding Officer of the field.

When instrument approaches are conducted by civil aircraft at military airports, they shall be conducted in accordance with the procedures and minimums approved by the military agency having jurisdiction over the airport.

AIRCRAFT LANDING RESTRICTIONS

Landing of aircraft at locations other than public use airports may be a violation of Federal or local law. All land and water areas are owned or controlled by private individuals or organizations, states, cities, local governments, or U.S. Government agencies. Except in emergency, prior permission should be obtained before landing at any location that is not a designated public use airport or seaplane base.

Landing of aircraft is prohibited on lands or water administered by the National Park Service, U.S. Fish and Wildlife Service, U.S. Forest Service, and on many areas controlled by the U.S. Army Corps of Engineers, unless prior authorization is obtained from the respective agency.

CONTINUOUS POWER FACILITIES

In order to insure that a basic ATC system remains in operation despite an area wide or catastrophic commercial power failure, key equipment and certain airports have been designated to provide a network of facilities whose operational capability can be utilized independent of any commercial power supply.

In addition to those facilities comprising the basic ATC system, the following approach and lighting aids have been included in this program for a selected runway.

1. ILS (Localizer, Glide Slope, COMLO, Inner, Middle and Outer Markers)
2. Wind Measuring Capability
3. Approach Light System (ALS) or Short ALS (SALS)
4. Ceiling Measuring Capability
5. Touchdown Zone Lighting (TDZL)
6. Centerline Lighting (CL)
7. Runway Visual Range (RVR)
8. High Intensity Runway Lighting (HIRL)
9. Taxiway Lighting
10. Apron Light (Perimeter Only)

The following have been designated "Continuous Power Airports," and have independent back up capability for the equipment installed.

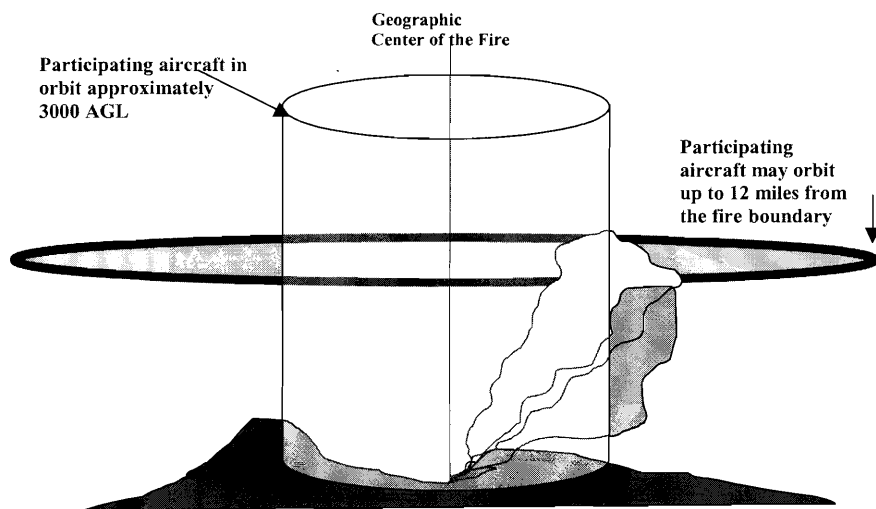
Airport/Ident	Runway No.	Airport/Ident	Runway No.
Albuquerque, NM (ABQ)	08	Milwaukee, WI (MKE)	01L
Andrews AFB, MD (ADW)	01L	Minneapolis, MN (MSP)	30L
Anchorage, AK (ANC)	07R	Nashville, TN (BNA)	02L
Atlanta, GA (ATL)	09R	New Orleans, LA (MSY)	11
Baltimore, MD (BWI)	10	New York, NY (JFK)	04R
Bismarck, ND (BIS)	31	New York, NY (LGA)	22
Boise, ID (BOI)	10R	Newark, NJ (EWR)	04R
Boston, MA (BOS)	04R	Oklahoma City, OK (OKC)	35R
Charlotte, NC (CLT)	36L	Omaha, NE (OMA)	14R
Chicago, IL (ORD)	28R	Ontario, CA (ONT)	26L
Cincinnati, OH (CVG)	36C	Philadelphia, PA (PHL)	09R
Cleveland, OH (CLE)	06R	Phoenix, AZ (PHX)	08
Dallas/Fort Worth, TX (DFW)	17C	Pittsburgh, PA (PIT)	10L
Denver, CO (DEN)	35R	Reno, NV (RNO)	16R
Des Moines, IA (DSM)	31	Salt Lake City, UT (SLC)	34R
Detroit, MI (DTW)	03R	San Antonio, TX (SAT)	12R
El Paso, TX (ELP)	22	San Diego, CA (SAN)	09
Fairbanks, AK (FAI)	02L	San Francisco, CA (SFO)	28R
Great Falls, MT (GTF)	03	San Juan, PR (SJU)	08
Honolulu, HI (HNL)	08L	Seattle, WA (SEA)	16C
Houston, TX (IAH)	26L	St. Louis, MO (STL)	30R
Indianapolis, IN (IND)	05L	Tampa, FL (TPA)	01L
Jacksonville, FL (JAX)	08	Tulsa, OK (TUL)	36R
Kansas City, MO (MCI)	19R	Washington, DC (DCA)	01
Los Angeles, CA (LAX)	24R	Washington, DC (IAD)	01R
Memphis, TN (MEM)	36L	Wichita, KS (ICT)	01L
Miami, FL (MIA)	08R		

NOTE—The existing CPA runway is listed. Pending and future changes at some locations will require a revised runway designation.

Night Vision Lights Out Operations Hays MOA, Montana

Lights-out night vision goggle training operations conducted within the Hays MOA at all altitudes from sunset to sunrise when MOA is active by NOTAM. Contact Salt Lake City ARTCC on 133.4 or 119.75 or Great Falls FSS for schedule and NOTAM information.

FIREFIGHTING TRAFFIC AREAS



Pilots are advised to stay clear of Firefighting Traffic Areas. Remain 15 miles from the area of activity. If you must over-fly the area, do so at an altitude of 5000 feet AGL above. However, to remain safe and out of the way of working aircraft, it is best to circumnavigate the area.

The wild-land fire environment can be very complex and involve a large number and variety of aircraft types including fixed and rotary wing aircraft. Some of the aircraft are small single and multi-engine command and control platforms that can be especially difficult to see and may give the appearance that the fire is not staffed. The aircraft participating in firefighting can orbit as far out as 12 miles from the perimeter of the fire. Any intrusion by aircraft not directly involved in the firefighting operation could delay the delivery of much needed retardant or water to ground firefighters and will adversely affect the safety of participating aircraft. Please stay well away from wild-land fires even if you feel that aircraft are not working the fire; they may be en route or unseen.

If you see a fire developing along your route, report it immediately to air traffic control who will advise the US Forest Service. The firefighting community would welcome this information.

The following narratives summarize the FAR Part 93 Special Air Traffic Rules, and Airport Traffic Patterns in effect as prescribed in the rule. This information is advisory in nature and in no way relieves the pilot from compliance with the specific rules set forth in FAR Parts 91 and 93.

Special Airport Traffic Areas prescribed in Part 93 are depicted on Sectional Aeronautical Charts, World Aeronautical Charts, Enroute Low Altitude Charts, and where applicable, on VFR Terminal Area Charts.

OPERATIONS RESERVATIONS FOR HIGH DENSITY TRAFFIC AIRPORTS

Kennedy, LaGuardia, and Washington Reagan National

The Federal Aviation Administration (FAA) has designated New York's Kennedy and LaGuardia Airports and Washington Reagan National Airport as High Density Traffic Airports (HDTA), Title 14, Code of Federal Regulations, part 93, subpart K, and has prescribed air traffic rules and requirements for operating aircraft (excluding helicopters) to and from those airports during certain hours.

Reservations are required for operations from 6 a.m. through 11:59 p.m. local time at LaGuardia Airport and Washington Reagan National Airport. Reservations at Kennedy Airport are required from 3 p.m. through 7:59 p.m. local time.

Reservation procedures are detailed in Advisory Circular 93-1, Reservations for Unscheduled Operations at High Density Traffic Airports. A copy of the advisory circular is available on the FAA website at <http://www.faa.gov>. Reservations for unscheduled operations are allocated through the Enhanced Computer Voice Reservation System (e-CVRS) accessible via telephone or the Internet. This system may not be used to make reservations for scheduled air carrier or commuter flights.

The toll-free telephone number for accessing e-CVRS is 1-800-875-9694 and is available for calls originating within the United States, Canada, and the Caribbean. Users outside the toll-free areas may access e-CVRS by calling the toll number of 703-707-0568. The Internet web address for accessing the e-CVRS is <http://www.fly.faa.gov/ecvrs>. If you have any questions about reservation requirements or are experiencing problems with the system, you may telephone the Airport Reservation Office at the Air Traffic Control System Command Center at (703) 904-4452.

Requests for instrument flight rules (IFR) reservations will be accepted beginning 72 hours prior to the proposed time of operation at the high-density airport. For example, a request for an 11 a.m. reservation on a Thursday will be accepted beginning at 11 a.m. on the previous Monday.

IFR reservations must be obtained prior to IFR landing or takeoff at an HDTA during slot controlled hours. An air traffic control (ATC) clearance does not constitute a reservation. A reservation does not constitute permission to operate at an HDTA if additional operational limits or procedures are required by NOTAM and/or regulation.

Aircraft involved in medical emergencies will be handled by ATC without regard to a reservation after obtaining prior approval of the ATC System Command Center on (703) 904-4452. ATC will accommodate declared other emergency situations without regard to slot reservations.

NOTE: Visual flight rule (VFR) reservations via ATC for unscheduled operations at LaGuardia are not authorized from 7 a.m. through 8:59 a.m. local time and 4 p.m. through 6:59 p.m. local time, Monday through Friday and Sunday evenings, unless otherwise announced by NOTAM. Both IFR and VFR operations during those time periods must obtain an advance reservation through e-CVRS.

FSS
TELEPHONE NUMBERS

Flight Service Station (FSS) facilities provide flight planning and weather briefing services to pilots. FSS services in the contiguous United States, Hawaii and Puerto Rico, are provided by a network of large FSS facilities and a few select remote facilities some of which operate part-time. Because of the interconnectivity between the facilities, all FSS services including radio frequencies are available continuously using published data.

Telephone Information Briefing Service (TIBS) is a FSS service that provides continuous recordings of meteorological and/or aeronautical information. A touch-tone telephone is required to fully utilize this service.

Further information can be found in the Aeronautical Information Manual (AIM).

NATIONAL FSS TELEPHONE NUMBER

Pilot Weather Briefings..... 1-800-WX-BRIEF (1-800-992-7433)

OTHER FSS TELEPHONE NUMBERS (except in Alaska)

TIBS (see description above) 1-877-4TIBS-WX (1-877-484-2799)
Clearance Delivery Only 1-888-766-8267
Lifeguard Flights Only 1-877-LIF-GRD3 (1-877-543-4733)
Flights within DC SFRA & FRZ * 1-866-225-7410

* District of Columbia Special Flight Rules Area & Flight Restricted Zone

KEY to AERODROME FORECAST (TAF) and AVIATION ROUTINE WEATHER REPORT (METAR)

TAF KPIT 091730Z 091818 15005KT 5SM HZ.FEW020 WS010/31022KT
FM1930 30015G25KT 3SM SHRA OVC015 TEMPO 2022 1/2SM +TSRA
OVC008CB
FM0100 27008KT 5SM SHRA BKN020 OVC040 PROB40 0407 1SM -RA BR
FM1015 18005KT 6SM -SHRA OVC020 BECMG 1315 P6SM NSW SKC

METAR KPIT 091955Z COR 22015G25KT 3/4SM R28L/2600FT TSRA OVC010CB
18/16 A2992 RMK SLP045 T01820159

Forecast	Explanation	Report
TAF	Message type: <u>TAF</u> -routine or <u>TAF AMD</u> -amended forecast, <u>METAR</u> -hourly, <u>SPECI</u> -special or <u>TESTM</u> -non-commissioned ASOS report	METAR
KPIT	ICAO location indicator	KPIT
091730Z	Issuance time: ALL times in UTC " <u>Z</u> ", 2-digit date, 4-digit time	091955Z
091818	Valid period: 2-digit date, 2-digit beginning, 2-digit ending times In U.S. METAR : <u>COR</u> rected ob; or <u>AUTO</u> mated ob for automated report with no human intervention; omitted when observer logs on	COR
15005KT	Wind: 3 digit true-north direction, nearest 10 degrees (or <u>VaRiaBle</u>); next 2-3 digits for speed and unit, <u>KT</u> (KMH or MPS); as needed, <u>Gust</u> and maximum speed; 00000KT for calm; for METAR , if direction varies 60 degrees or more, <u>Variability</u> appended, e.g. 180V260	22015G25KT
5SM	Prevailing visibility: in U.S., <u>Statute Miles</u> & fractions; above 6 miles in TAF <u>Plus6SM</u> . (Or, 4-digit minimum visibility in meters and as required, lowest value with direction)	3/4SM
HZ	Runway Visual Range: <u>R</u> ; 2-digit runway designator <u>Left</u> , <u>Center</u> , or <u>Right</u> as needed; <u>"I"</u> ; <u>Minus</u> or <u>Plus</u> in U.S., 4-digit value, <u>Feet</u> in U.S., (usually meters elsewhere); 4-digit value <u>Variability</u> 4-digit value (and tendency <u>Down</u> , <u>Up</u> or <u>No</u> change)	R28L/2600FT
FEW020	Significant present, forecast and recent weather: see table (on back) Cloud amount, height and type: <u>SKY</u> <u>C</u> lear 0/8, <u>FEW</u> >0/8-2/8, <u>SCaT</u> tered 3/8-4/8, <u>BroKeN</u> 5/8-7/8, <u>OVerC</u> ast 8/8; 3-digit height in hundreds of ft; <u>Towering CU</u> mulus or <u>CumulonimBus</u> in METAR ; in TAF , only <u>CB</u> . <u>Vertical</u> <u>Visi</u> bility for obscured sky and height "VV004". More than 1 layer may be reported or forecast. In auto-mated METAR reports only, <u>CLeaR</u> for "clear below 12,000 feet" <u>Tem</u> perature: degrees Celsius; first 2 digits, temperature <u>"I"</u> last 2 digits, dew-point temperature; <u>Minus</u> for below zero, e.g., M06 Altimeter setting: indicator and 4 digits; in U.S., <u>A</u> -inches and hundredths; (<u>Q</u> -hectoPascals, e.g., Q1013)	TSRA OVC010CB 18/16 A2992

KEY to AERODROME FORECAST (TAF) and AVIATION ROUTINE WEATHER REPORT (METAR)

Forecast	Explanation	Report
WS010/31022KT	In U.S. TAF , non-convective low-level ($\leq 2,000$ ft) <u>Wind</u> <u>Shear</u> ; 3-digit height (hundreds of ft); <u>"Z"</u> ; 3-digit wind direction and 2-3 digit wind speed above the indicated height, and unit, <u>KT</u>	RMK SLP045 T01820159
FM1930	In METAR , <u>ReMarK</u> indicator & remarks. For example: <u>Sea-Level Pressure</u> in hectoPascals & tenths, as shown: 1004.5 hPa; <u>Temp/</u> dew-point in tenths °C, as shown: temp. 18.2°C, dew-point 15.9°C	
TEMPO 2022	<u>FroM</u> and 2-digit hour and 2-digit minute beginning time: indicates significant change. Each FM starts on new line, indented 5 spaces.	
PROB40 0407	<u>TEMPO</u> rary: changes expected for < 1 hour and in total, < half of 2-digit hour beginning and 2-digit hour ending time period	
BECMG 1315	<u>PROB</u> ability and 2-digit percent (30 or 40): probable condition during 2-digit hour beginning and 2-digit hour ending time period	
	<u>BEC</u> oMinG: change expected during 2-digit hour beginning and 2-digit hour ending time period	

Table of Significant Present, Forecast and Recent Weather - Grouped in categories and used in the order listed below; or as needed in TAF, No Significant Weather.

QUALIFIER			
Intensity or Proximity			
- Light	"no sign"	Moderate	+ Heavy
VC Vicinity: but not at aerodrome; in U.S. METAR , between 5 and 10SM of the point(s) of observation; in U.S. TAF , 5 to 10SM from center of runway complex (elsewhere within 8000m)			
Descriptor			
MI Shallow	BC Patches	PR Partial	TS Thunderstorm
BL Blowing	SH Showers	DR Drifting	FZ Freezing
WEATHER PHENOMENA			
Precipitation			
DZ Drizzle	RA Rain	SN Snow	SG Snow grains
IC Ice crystals	PL Ice pellets	GR Hail	GS Small hail/snow pellets
UP Unknown precipitation in automated observations			
Obscuration			
BR Mist ($\geq 5/8$ SM)	FG Fog ($< 5/8$ SM)	FU Smoke	VA Volcanic ash
SA Sand	HZ Haze	PY Spray	DU Widespread dust
Other			
SQ Squall	SS Sandstorm	DS Duststorm	PO Well developed dust/sand whirls
FC Funnel cloud	+FC tornado/waterspout		

- Explanations in parentheses "(") indicate different worldwide practices.
- Ceiling is not specified; defined as the lowest broken or overcast layer, or the vertical visibility.
- NWS **TAFs** exclude turbulence, icing & temperature forecasts; NWS **METARs** exclude trend fcsts
- Although not used in US, Ceiling And Visibility OK replaces visibility, weather and clouds if: visibility ≥ 10 km; no cloud below 5000 ft (1500 m) or below the highest minimum sector altitude, whichever is greater and no CB; and no precipitation, TS, DS, SS, MIFG, DRDU, DRSA or DRSN.

UNITED STATES DEPARTMENT OF COMMERCE

NOAA/PA 96052

National Oceanic and Atmospheric Administration—National Weather Service

FAA TELEPHONE NUMBERS AND NWS KEY AIR TRAFFIC FACILITIES

Air Traffic Control System Command Center

Main Number..... 540-422-4100

RGNL AIR TRAFFIC DIVISIONS	
REGION	TELEPHONE
Alaskan	907-271-5464
Central	816-329-2500
Eastern	718-553-4502
Great Lakes	847-294-7202
New England	404-305-6200
Northwest Mountain	425-227-2500
Southern	404-305-5500
Southwest	817-222-5500
Western Pacific	310-725-6500

AIR ROUTE TRAFFIC CONTROL CENTERS (ARTCCs)

ARTCC NAME	*24 HR RGNL DUTY OFFICE TELEPHONE #	BUSINESS HOURS	BUSINESS TELEPHONE #
Albuquerque	817-222-5006	7:30 a.m.-4:00 p.m.	505-856-4300
Anchorage	907-271-5936	7:30 a.m.-4:00 p.m.	907-269-1137
Atlanta	404-305-5180	7:30 a.m.-5:00 p.m.	770-210-7601
Boston	404-305-5156	7:30 a.m.-4:00 p.m.	603-879-6633
Chicago	817-222-5006	8:00 a.m.-4:00 p.m.	630-906-8221
Cleveland	817-222-5006	8:00 a.m.-4:00 p.m.	440-774-0310
Denver	425-227-1389	7:30 a.m.-4:00 p.m.	303-651-4100
Ft. Worth	817-222-5006	7:30 a.m.-4:00 p.m.	817-858-7300
Houston	817-222-5006	7:30 a.m.-4:00 p.m.	281-230-5300
Indianapolis	817-222-5006	8:00 a.m.-4:00 p.m.	317-247-2231
Jacksonville	404-305-5180	8:00 a.m.-4:30 p.m.	904-549-1501
Kansas City	817-222-5006	7:30 a.m.-4:00 p.m.	913-254-8500
Los Angeles	661-265-8200	7:30 a.m.-4:00 p.m.	661-265-8200
Memphis	404-305-5180	7:30 a.m.-4:00 p.m.	901-368-8103
Miami	404-305-5180	7:00 a.m.-3:30 p.m.	305-716-1500
Minneapolis	817-222-5006	8:00 a.m.-4:00 p.m.	651-463-5580
New York	718-995-5426	8:00 a.m.-4:40 p.m.	631-468-1001
Oakland	310-725-3300	6:30 a.m.-3:00 p.m.	510-745-3331
Salt Lake City	425-227-1389	7:30 a.m.-4:00 p.m.	801-320-2500
Seattle	425-227-1389	7:30 a.m.-4:00 p.m.	253-351-3500
Washington	718-995-5426	8:00 a.m.-4:30 p.m.	703-771-3401

MAJOR TERMINAL RADAR APPROACH CONTROLS (TRACONS)

TRACON NAME	*24 HR RGNL DUTY OFFICE TELEPHONE #	BUSINESS HOURS	BUSINESS TELEPHONE #
Atlanta	404-305-5180	7:00 a.m.-3:30 p.m.	404-669-1200
Chicago	817-222-5006	8:00 a.m.-4:00 p.m.	847-608-5509
Dallas/Ft. Worth	817-222-5006	7:30 a.m.-4:00 p.m.	972-615-2500
Denver	425-227-1389	7:30 a.m.-4:00 p.m.	303-342-1500
Houston	817-222-5006	7:30 a.m.-4:00 p.m.	281-230-8400
New York	718-995-5426	8:00 a.m.-4:30 p.m.	516-683-2901
Northern CA	310-725-3300	7:00 a.m.-3:30 p.m.	916-366-4001
Potomac	718-995-5426	8:00 a.m.-4:30 p.m.	540-349-7500
Southern CA	310-725-3300	7:30 a.m.-4:00 p.m.	858-537-5800

*Facilities can be contacted through the Rgnl Duty Officer during non-business hours.

FAA TELEPHONE NUMBERS AND NWS KEY AIR TRAFFIC FACILITIES

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DAILY NAS REPORTABLE AIRPORTS

AIRPORT NAME	*24 HR RGNL DUTY OFFICE TELEPHONE #	BUSINESS HOURS	BUSINESS TELEPHONE #
Albuquerque Intl Sunport, NM	817-222-5006	8:00 a.m.-5:00 p.m.	505-842-4366
Andrews AFB, MD	718-995-5426	8:00 a.m.-4:30 p.m.	301-735-2380
Baltimore/Washington Intl Thurgood Marshall, MD	718-995-5426	8:00 a.m.-4:30 p.m.	410-962-3555
Boston Logan Intl, MA	404-305-5156	7:30 a.m.-4:00 p.m.	617-455-3100
Bradley Intl, CT	404-305-5156	7:30 a.m.-4:00 p.m.	203-627-3428
Burbank/Bob Hope, CA	310-725-3300	7:00 a.m.-5:30 p.m.	818-567-4806
Charlotte Douglas Intl, NC	404-305-5180	8:00 a.m.-4:30 p.m.	704-344-6487
Chicago Midway, IL	817-222-5006	8:00 a.m.-4:00 p.m.	773-884-3670
Chicago O'Hare Intl, IL	817-222-5006	8:00 a.m.-4:00 p.m.	773-601-7600
Cleveland Hopkins Intl, OH	817-222-5006	8:00 a.m.-4:00 p.m.	216-352-2000
Covington/Cincinnati, OH	708-294-7401	8:00 a.m.-4:30 p.m.	606-767-1006
Dallas/Ft. Worth Intl, TX	817-222-5006	8:30 a.m.-5:00 p.m.	972-615-2531
Dayton Cox Intl, OH	817-222-5006	7:30 a.m.-4:00 p.m.	937-454-7300
Denver Intl, CO	425-227-1389	7:30 a.m.-4:00 p.m.	303-342-1600
Detroit Metro, MI	817-222-5006	8:00 a.m.-4:00 p.m.	734-955-5000
Fairbanks Intl, AK	907-271-5936	7:30 a.m.-4:00 p.m.	907-474-0050
Fort Lauderdale Intl, FL	404-305-5180	7:00 a.m.-3:30 p.m.	305-356-7932
George Bush Intercontinental/Houston, TX	817-222-5006	7:30 a.m.-4:00 p.m.	713-230-8400
Hartsfield-Jackson Atlanta Intl, GA	404-305-5180	7:00 a.m.-3:30 p.m.	404-669-1200
Honolulu Intl, HI	310-725-3300	7:30 a.m.-4:00 p.m.	808-840-6100
Houston Hobby, TX	817-222-5006	8:00 a.m.-5:00 p.m.	713-847-1400
Indianapolis Intl, IN	817-222-5006	8:00 a.m.-4:00 p.m.	317-484-6600
Kahului/Maui, HI	310-725-3300	7:30 a.m.-4:00 p.m.	808-877-0725
Kansas City Intl, MO	817-222-5006	7:30 a.m.-4:00 p.m.	816-329-2700
Las Vegas McCarran, NV	310-725-3300	7:30 a.m.-4:00 p.m.	702-262-5978
Los Angeles Intl, CA	310-725-3300	7:00 a.m.-3:30 p.m.	310-342-4900
Louis Armstrong New Orleans Intl, LA	817-222-5006	7:00 a.m.-4:30 p.m.	504-471-4300
Memphis Intl, TN	404-305-5180	7:30 a.m.-4:00 p.m.	901-322-3350
Miami Intl, FL	404-305-5180	7:00 a.m.-4:00 p.m.	305-869-5400
Minneapolis/St. Paul, MN	817-222-5006	8:00 a.m.-4:00 p.m.	612-713-4000
Nashville Intl, TN	404-305-5180	7:00 a.m.-3:30 p.m.	615-781-5460
New York Kennedy Intl, NY	718-995-5426	8:00 a.m.-4:30 p.m.	718-656-0335
New York La Guardia, NY	718-995-5426	8:00 a.m.-4:30 p.m.	718-335-5461
Newark Liberty Intl, NJ	718-995-5426	7:30 a.m.-4:00 p.m.	973-565-5000
Norman Y. Mineta San Jose Intl, CA	310-725-3300	7:30 a.m.-4:00 p.m.	408-982-0750
Ontario Intl, CA	310-725-3300	7:30 a.m.-4:00 p.m.	909-983-7518
Orlando Intl, FL	404-305-5180	7:30 a.m.-5:00 p.m.	407-850-7000
Philadelphia Intl, PA	718-995-5426	8:00 a.m.-4:30 p.m.	215-492-4100
Phoenix Sky Harbor Intl, AZ	310-725-3300	7:30 a.m.-4:00 p.m.	602-379-4226
Pittsburgh Intl, PA	718-995-5426	8:00 a.m.-4:30 p.m.	412-269-9237
Portland Intl, OR	425-227-1389	7:30 a.m.-4:00 p.m.	503-493-7500
Raleigh-Durham, NC	404-305-5180	8:00 a.m.-4:30 p.m.	919-380-3125
Ronald Reagan Washington National, DC	718-995-5426	8:00 a.m.-4:30 p.m.	703-413-0330
Salt Lake City, UT	425-227-1389	7:30 a.m.-4:00 p.m.	801-325-9600
San Antonio Intl, TX	817-222-5006	8:00 a.m.-4:30 p.m.	210-805-5507
San Diego Lindbergh Intl, CA	310-725-3300	8:00 a.m.-4:30 p.m.	619-299-0677
San Francisco Intl, CA	310-725-3300	7:00 a.m.-3:30 p.m.	650-876-2883
San Juan Intl, PR	404-305-5180	7:30 a.m.-5:00 p.m.	787-253-8663
Seattle-Tacoma Intl, WA	425-227-1389	7:30 a.m.-4:00 p.m.	206-768-2900
St. Louis Lambert, MO	817-222-5006	7:30 a.m.-4:00 p.m.	314-890-1000
Tampa Intl, FL	404-305-5180	7:30 a.m.-4:00 p.m.	813-371-7700
Ted Stevens Anchorage Intl, AK	907-271-5936	7:30 a.m.-4:00 p.m.	907-271-2700
Teterboro, NJ	718-995-5426	8:00 a.m.-4:30 p.m.	201-288-1889
Washington Dulles Intl, DC	718-995-5426	8:00 a.m.-4:30 p.m.	571-323-6375
West Palm Beach, FL	404-305-5180	8:00 a.m.-4:30 p.m.	561-683-1867
Westchester Co, NY	718-995-5426	8:00 a.m.-4:30 p.m.	914-948-6520

*Facilities can be contacted through the Rgnl Duty Officer during non-business hours.

Air Route Traffic Control Center frequencies and their remoted transmitter sites are listed below for the coverage of this volume. Bold face type indicates high altitude frequencies, light face type indicates low altitude frequencies. To insure unrestricted IFR operations within the high altitude enroute sectors, the use of 720 channel communications equipment (25 kHz channel spacing) is required.

® DENVER CENTER – 121.5 121.5 125.9	H-1-2-3-4-5-6, L-8-9-10-11-12-13-14-15, A-2
Ainsworth – 132.7 127.95 121.5 121.5	(KZDV)
Akron – 121.5 121.5	
Alamosa – 132.225 128.375 121.5	
Aspen – 134.5 132.85 125.35 119.85	
Brush/A/ – 133.95 133.95	
Brush/B/ – 118.475 118.475	
Casper – 135.6 133.675 121.5 121.5 118.925	
Cherokee – 132.1 132.1	
Cheyenne – 134.575 133.175 132.1 125.9	
Colby – 132.175 127.65 127.65	
Cortez – 134.7 118.575	
Crawford – 135.025 127.95	
Denver – 133.4 132.85 128.65 126.875 125.95	
Denver/A/ – 126.5 126.5	
Denver/B/ – 119.85 119.85	
Durango – 118.575 118.575	
Eastonville – 134.975 132.225 128.375	
Farmington – 128.125 125.675 121.5 121.5 118.575	
Goodland – 132.5 132.5 121.5 121.5	
Grand Island West – 132.7 132.7	
Grand Junction – 121.5 121.5	
Grand Mesa – 135.125 135.125 134.275 126.725 125.675	
Grand Mesa/A/ – 125.35 125.35	
Grand Mesa/B/ – 134.5 134.5	
Gunnison – 133.525 125.35	
Hanksville – 127.55 127.55	
Hayden – 128.325 120.475	
Hayes Center – 127.025 127.025	
Hill City – 132.5 132.5	
Kremmling – 132.85 128.65	
La Junta – 134.125 133.4 132.225 128.37	
Lamar – 121.5 121.5	
Laramie – 125.9 125.9	
Loveland – 121.5 121.5	
Lusk – 135.6 135.6	
Medicine Bow – 133.175 132.1 126.5	
Montrose – 125.35 125.35	
North Platte – 132.7 121.5 121.5	
O'Neill – 135.025 132.7	
Ogallala – 132.7 126.325	
Pueblo – 132.225 128.375	
Rapid City – 127.95 127.95 121.5 121.5	
Scottsbluff – 127.95 127.95 121.5 121.5	
Sundance – 135.6 133.675	
Trinidad – 121.5	
Tuba City – 132.875 127.55 118.225	
Walton Peak – 126.5 126.5	

® SALT LAKE CITY CENTER – 121.5 121.5

H-1-2-3, L-9-11-12-13-14

(KZLC)

Ashton – 132.4 128.35 **128.35**
 Baker – 128.05 121.5 **121.5**
 Battle Mountain – 132.25 **128.725**
 Big Piney – 128.35 **128.35** 121.5 **121.5**
 Billings – 127.75 **127.75**
 Blackfoot – 128.35 **128.35**
 Bliss – 128.55 **121.15** 118.05
 Boise – 118.05
 Boysen – 133.25 **133.25**
 Bozeman – 132.4 **132.4** 121.5 **121.5** 119.55
 Bryce Canyon – 133.6 121.5 **121.5**
 Burley – 118.05
 Burns – 121.5 **121.5**
 Butte – 133.4 132.4 **132.4**
 Cascade – **121.15**
 Cedar City – 125.575 121.5 **121.5**
 Conners – 121.5 **121.5**
 Coppertown – 121.5 **121.5**
 Cut Back – 121.5 **121.5**
 Delta – 127.825 125.575 **120.275**
 Elko – 132.25 **128.725** 121.5 **121.5**
 Ely – 133.45 121.5 **121.5**
 Fairfield – **135.775** 133.9 **127.825**
 Francis Peak – **135.775** 127.7 **119.95**
 Glasgow – 126.85 **126.85** 121.5 **121.5**
 Grassy Mountain – 128.55 **128.55**
 Great Falls – 133.4 **119.75**
 Green River – 124.35 **124.35**
 Hanksville – 133.6
 Idaho Falls – 121.5 **121.5**
 Jackson – 133.25 **133.25**
 Judith Mountain – 133.4 **126.85** 121.5 **121.5**
 Lakeside – 133.4 **119.75**
 Livingston – 118.975
 Lovell – 133.25 **133.25**
 Malad City – 133.8 127.7 **125.925**
 Miles City – 126.85 **126.85** 121.5 **121.5**
 Miller Peak – 133.4 121.5 **121.5** 119.75 **119.75**
 Myton – **135.775** 119.95 **119.95**
 Rock Springs 2 – 121.5 **121.5**
 Rome – 128.05 **121.15**
 Salmon – 132.4 **132.4** 121.5 **121.5**
 Sheridan – 127.75 **127.75** 121.5 **121.5**
 Squaw Butte – 128.05 **121.15**
 Sunnyside – 133.9 **127.925**
 Tonopah – **134.525** 133.45 121.5 **121.5**
 Watford City – 126.85 **126.85**
 Wilson Creek – **134.525** 133.45 **127.925**
 Winnemucca – 132.25 121.5 **121.5**
 Worland – 121.5 **121.5**

® SEATTLE CENTER – 121.5 121.5

H-1-3, L-1-2-11-13

(KZSE)

Antelope Mountain – 124.85
 Arcata – 124.85
 Badger Mountain – 134.95 **134.95** 127.05 **127.05**
 Beacon Hill – 127.05 **127.05** 120.3 **120.3**
 Cottonwood – 123.95 **118.55**
 Dallesport – 126.6 **126.6**
 Ferndale – **135.15** 124.85
 Fort Lawton – 127.05 **127.05**
 Hoquiam – 128.3
 Horton – **132.075** 125.8 121.4
 Kimberly – **135.45**
 Klamath Falls – **134.9** 127.6
 Lakeside – 123.95
 Lakeview – **135.35** 127.6
 Larch Mountain – 128.3 **128.3** 126.6 **126.6**
 Marlin – 126.1
 Medford – **135.15** 124.85 121.4
 Mohler – **128.45**
 Mullan Pass – **128.45**
 Nassel – 124.2
 Neah Bay – 125.1 **125.1**
 Redmond – **135.35** **134.9** 128.15 **121.35**
 Rex-Parrett – **121.35**
 Scappoose – 128.15 124.2
 Spokane – 123.95 119.225
 Stampede Pass – 134.95 **134.95**
 The Dalles – **135.45** 119.65
 Wallula – 132.6
 Wenatchee – 126.1
 Whidbey Island – 134.95 **134.95** 128.5 125.1 **125.1**
 Yakima – 135.525 **135.525** 132.6 120.3 **120.3** **118.55**

VHF frequencies available at Flight Service Stations and at their remote communication outlets (RCO's) are listed below for the coverage of this volume. Frequencies in bold type are available all altitudes but recommended for use FL180 and above. 'T' indicates transmit only and 'R' indicates receive only. RCO's available at NAVAID's are listed after the NAVAID name. RCO's not at NAVAID's are listed by name.

BOISE RADIO

ASHTON RCO 123.625
 BLISS RCO 122.4
 BOISE RCO 122.2 122.6 255.4
 CASCADE RCO 122.35
 COEUR D'ALENE RCO 122.05
 CONNERS RCO 122.05
 HAILEY RCO 122.4
 IDAHO FALLS RCO 122.55
 LEWISTON RCO 122.35
 MALAD CITY RCO 122.65
 MOUNTAIN HOME RCO 122.6
 MULLAN PASS VOR/DME 117.8T 122.15
 POCATELLO RCO 122.35
 ROME RCO 122.65
 SALMON VOR/DME 113.5T 122.55
 SQUAW BUTTE RCO 122.45
 STANLEY RCO 122.6
 TWIN FALLS RCO 122.25

CASPER RADIO

ANTELOPE GAP RCO 122.2
 BIG PINEY VOR/DME 116.5T 122.3
 BOYSEN RESERVOIR VOR/DME 117.8T 122.3
 CASPER RCO 122.4 255.4
 CHEROKEE RCO 122.4
 CHEYENNE RCO 122.3
 CODY RCO 122.3
 CONVERSE RCO 121.975
 CRAZY WOMAN VOR/DME 117.3T 122.025
 DUNOIR RCO 122.6
 FORT BRIDGER RCO 122.3
 GILLETTE RCO 122.3
 JACKSON RCO 122.05
 LARAMIE VOR/DME 117.6T 122.6
 MEDICINE BOW RCO 122.5
 NEWCASTLE RCO 122.5
 RAWLINS RCO 122.2
 RIVERTON RCO 122.2
 ROCK SPRINGS RCO 121.5 122.6
 SHERIDAN RCO 122.5
 WORLAND RCO 122.4

GREAT FALLS RADIO

BILLINGS RCO 122.55
BOZEMAN VOR/DME 112.4T 122.5
BUTTE RCO 122.2 122.4
COPPERTOWN RCO 122.65
CUT BANK VORTAC 114.4T 122.2
DILLON RCO 122.15
DRUMMOND RCO 122.25
GLASGOW RCO 122.25
GREAT FALLS RCO 122.6 243.0 255.4
HARLOWTON RCO 122.4
HAVRE RCO 123.65
HELENA RCO 122.55
JUDITH MOUNTAIN RCO 122.2
LAKESIDE RCO 122.5
LEWISTOWN RCO 122.35
LIVINGSTON RCO 122.2
MILES CITY RCO 122.2 255.4
MILLER PEAK RCO 122.45
SIDNEY RCO 123.65
TOWER HILL RCO 122.3
WOLF POINT RCO 122.45
YELLOWSTONE RCO 119.4

MC MINNVILLE RADIO

ASTORIA RCO 122.3
AUGSPURGER MOUNTAIN RCO 122.3
BEAVER MOUNTAIN RCO 255.4 **122.4**
BURNS RCO 122.5
CAPE BLANCO RCO 122.4
ENTERPRISE RCO 122.5
EUGENE RCO 121.5 **122.3**
KIMBERLY RCO 122.6
KLAMATH FALLS RCO 121.5 122.6 255.4
LAKEVIEW VORTAC 112.0T 122.3
MC MINNVILLE RCO 122.45
MEDFORD RCO 121.5 122.65 243.0 255.4
NEWBERG RCO 122.45
NEWPORT RCO 122.5
NORTH BEND RCO 121.5 122.4 255.4
ONTARIO RCO 122.3
PENDLETON RCO 122.2
PORTLAND RCO 122.6 255.4
REDMOND RCO 121.5 122.5 243.0 255.4
ROSEBURG VOR/DME 108.2T 122.55
SALEM RCO 122.6
SEXTON SUMMIT RCO 122.5
SUNRIVER RCO 122.3
WALLULA RCO 121.5 122.6

SEATTLE RADIO

BADGER MOUNTAIN RCO 121.5 122.3
BELLINGHAM RCO 121.5 122.15 255.4
BUCKHORN MTN RCO 122.2
ELLENSBURG RCO 121.5 122.2 255.4
EPHRATA RCO 121.5 122.2
HOQUIAM RCO 122.2 255.4
JUMP-OFF-JOE RCO 122.4
MOSES LAKE VOR/DME 115.0T 122.4
MOUNT CONSTITUTION RCO 122.3
OCEAN SHORES RCO 121.5 122.4
PAINE RCO 121.5 122.55
PORT ANGELES RCO 122.6
PULLMAN VOR/DME 109.0T 122.6
SEATTLE RCO 122.5 123.65 255.4
SOUTHWEST WASHINGTON RCO 121.5 122.250 122.55
SPOKANE RCO 122.2 122.55 122.65 255.4
TATOOSH VORTAC 112.2T 122.25
THE DALLES RCO 121.5 122.65 255.4
VANCOUVER RCO 122.35
WALLA WALLA RCO 122.3 255.4
WENATCHEE RCO 122.6 255.4

WENATCHEE RCO 122.6 255.4

Below is a list of FSDO's in the area of coverage of this directory. These offices serve the aviation industry and the general public on matters relating to certification and operation of general aviation aircraft. Address letters to Manager, Flight Standards District Office—Federal Aviation Administration.

IDAHO

3295 Elder Street
Airport Plaza, Suite 350
Boise, ID 83705
Telephone: 208-387-4000
1-800-453-0001
Fax: 208-387-4020

MONTANA

2725 Skyway Drive
Helena, MT 59602-1213
Telephone: 406-449-5270
1-800-457-9917
Fax: 406-449-5275

OREGON

3180 NW 229th Avenue
Hillsboro, OR 97124
Telephone: 503-615-3200
1-800-847-3806
Fax: 503-615-3300

WASHINGTON

1601 Lind Ave. S. W., Suite 260
Renton, WA 98057
Telephone: 425-227-2813
1-800-354-1940
Fax: 425-227-1810

6133 E. Rutter Avenue
Spokane, WA 99212
Telephone: 509-532-2340
1-800-341-2623
Fax: 509-532-2380

WYOMING

Casper FSFO
951 Werner Court, Suite 320
Casper, WY 82601-1312
Telephone: 307-261-5425
1-800-325-5785

VOR RECEIVER CHECKPOINTS and VOR TEST FACILITIES

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The use of VOR airborne and ground checkpoints is explained in Aeronautical Information Manual, Basic Flight Information and ATC Procedures.

NOTE: Under columns headed "Type of Checkpoint" & "Type of VOT Facility" G stands for ground. A/ stands for airborne followed by figures (2300) or (1000-3000) indicating the altitudes above mean sea level at which the check should be conducted. Facilities are listed in alphabetical order, in the state where the checkpoints or VOTs are located.

IDAHO

VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
Boise	113.3/BOI	A/5000	090	6.2	Over dam outlet S end Lucky Peak Reservoir
Boise (Boise Air Terminal-Gowen Field)	113.3/BOI	G	296	0.6	Twy A in run-up area Rwy 28R.
Coeur D'Alene	108.8/COE	A/4000	011	9.0	Over amusement park.
Idaho Falls (Idaho Falls Rgnl)	113.85/IDA	G	208		0.8 NM at intersection of Twys A and A3.
Nez Perce (Lewiston-Nez Perce County)	108.2/MQG	A/3000	247	6.2	Over tetrahedron on arpt.
Pocatello (Pocatello Rgnl)	112.6/PIH	A/5800	034	8.7	Over radio antenna with white storage tanks at base.
Twin Falls (Joslin Fld-Magic Valley Rgnl) ...	115.8/TWF	G	065	0.8	On runup area at apch end Rwy 25.

VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
Boise (Boise Air Terminal-Gowen Field)	116.7	G	

MONTANA

VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
Billings	114.5/BIL	A/5000	199	10.5	Over refinery at Laurel.
Bozeman (Bozeman Yellowstone Intl)	112.4/BZN	G	272	0.5	Twy at apch end Rwy 12.
	112.4/BZN	G	145	0.7	Twy H at Twy A.
Copertino (Bert Mooney)	111.6/CPN	A/6600	098	11.5	Over intersection of Rwy 11-29 and 15-33.
Dillon	113.0/DLN	A/7000	245	5.0	Over letter 'B' on bluff.
Great Falls (Great Falls Intl)	115.1/GTF	G	030	2.3	On Twy A between A5 and A6.
	115.1/GTF	G	030	2.9	At intersection of Twy A and A3.
Havre	111.8/HVR	A/4000	278	8.0	Over S end of dam.
Helena (Helena Rgnl)	117.7/HLN	G	238	0.7	On Twy E on South side of Rwy 27.
Kalispell (Glacier Park Intl)	113.2/FCA	A/4000	316	6.4	Over apch end Rwy 30.
Lewistown (Lewistown Muni)	112.0/LWT	A/5200	075	5.6	Over apch end Rwy 07.
Livingston	116.1/LVM	A/6500	237	5.5	Over northern most radio tower NE of city.
Miles City (Frank Wiley Field)	112.1/MLS	G	036	4.2	On twy leading to Rwy 30.
Missoula (Missoula Intl)	112.8/MSO	G	344	0.6	Terminal ramp east of Twy D.

OREGON

VOR RECEIVER CHECKPOINTS)

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
Astoria (Astoria Regional).....	114.0/AST	G	156	.5	East edge of ramp in front of large hangar.
Baker	115.3/BKE	A/6000	136	6.7	Over microwave tower on bluff.
Corvallis (Corvallis Muni)	115.4/CVO	G	049	0.5	On S edge of terminal ramp.
Eugene (Mahlon Sweet Field).....	112.9/EUG	G	071	0.5	Ramp W of old tower near int of Twy D & Twy K.
Klamath Falls (Klamath Falls)	115.9/LMT	G	298	1.0	On ramp N of Twy E.
Pendleton (Eastern Oregon Rgnl At Pendleton).....	114.7/PDT	G	073	3.9	On twy B.
Rogue Valley (Rogue Valley Intl)	113.6/OED	A/3000	213	4.8	Over radio tower.
Roseburg (Roseburg Rgnl).....	108.2/RBG	A/2500	337	3.0	Over S end of Rwy 16–34.
Wildhorse	113.8/ILR	A/6500	225	6.0	Over smoke stack.

VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
Portland Intl	111.0	G	Unusable on ANG ramp; Twy B east of Twy B6; Twy B west of Rwy 21; Twy C east of Twy C6; Twy C west of C3; Twy D; Twy H.
Portland Hillsboro	115.2	G	
Rogue Valley Intl–Medford	117.2	G	Unusable on Twy A–6, hangar area W of Twy A–6 and Twy A NW of Twy C.

WASHINGTON

VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
Ellensburg (Bowers Field)	117.9/ELN	A/2300	255	3.5	Over W end of Rwy 07–25.
Ephrata (Ephrata Muni)	112.6/EPH	A/2300	202	5.8	Over Rwy 03 thld.
Hoquiam (Bowerman)	117.7/HQM	A/1100	062	8.4	Over centerline on apch end Rwy 06.
Whatcom (Bellingham Intl)	113.0/HUH	A/1700	162	5.4	Over Nooksack River/Interstate 5 Bridge.
Moses Lake (Grant County Intl)	115.0/MWH	G	155	1.4	On runup area Rwy 32R.
	112.6/EPH	G	194	1.2	On runup area Rwy 04.
	115.0/MWH	G	313	1.0	On runup area Rwy 14L.
Olympia (Olympia Rgnl).....	113.4/OLM	G	350	0.3	On E runup area Rwy 17.
Paine (Snohomish Co (Paine Fld)).....	110.6/PAE	G	173	0.8	Intersection of Rwy 11 and Twy H.
Pasco (Tri–Cities)	109.8/PSC	G	129	0.9	At Twy E Rwy 30 runup area
Seattle	116.8/SEA	A/2000	197	27.0	Over Nisqually River/Interstate 5 bridge.
Seattle	116.8/SEA	A/2500	308	19.5	Over NW end of bridge and Hwy 305.
Seattle (Crest Airpark)	116.8/SEA	A/2000	107	10.3	Over centerline on apch end Rwy 33.
Tatoosh (Sekiu).....	112.2/TOU	A/2500	077	12.4	Over AER 08.
Walla Walla (Martin Field)	116.4/ALW	A/1500	225	5.6	Overhead Martin Fld (KS95)

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
Walla Walla (Walla Walla Rgnl)	116.4/ALW	G	035	0.5	At the intersection of Twys A and C.
Wenatchee (Pangborn Mem)	111.0/EAT	G	95	0.0	On Twy A btn Twy A2 and A3.
Yakima	116.0/YKM	A/3500	210	4.1	Over single tower on ridge line.

VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
Seattle (Boeing Field/King County Intl)	108.6	G	
Seattle (Seattle-Tacoma Intl)	117.5	G	
Spokane (Felts Field)	114.0	G	
Spokane Intl	109.6	G	

WYOMING

VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
Boysen Reservoir	117.8/BOY	A/6500	180	25	Over Riverton VOR.
Jackson (Jackson Hole)	115.4/JAC	G	174	0.5	On Twy A, approximately 1,000' S of AER 19.
Muddy Mountain (Casper/Natrona Co Intl) .	116.2/DDY	A/6400	204	13.4	Over intersection Rwy 03-21 and 08-26.
Newcastle (Mondell Fld)	108.2 ECS	A/5500	116	4.9	Over radio towers with strobe lights.
Rock Springs (Rock Springs-Sweetwater County)	116.0/OC S	G	270	2.3	Intersection twy to Rwy 09-27.
Sheridan (Sheridan County)	115.3/SHR	A/5000	129	5.0	Over centerline approach end Rwy 14.

The following tabulation lists all reported parachute jumping areas in the area of coverage of this directory. Unless otherwise indicated, all activities are conducted during daylight hours and under VFR conditions. NOTAM D's may be issued to advise users of specific dates and times if outside the times/altitudes that are published. The busiest periods of activity are normally on weekends and holidays, but jumps can be expected at anytime during the week at the locations listed. Parachute jumping areas within restricted airspace are not listed.

All times are local and altitudes MSL unless otherwise specified.

Contact facility and frequency is listed at the end of the remarks, when available, in bold face type.

Refer to Federal Aviation Regulations Part 105 for required procedures relating to parachute jumping.

Organizations desiring listing of their jumping activities in this publication should contact the nearest FSS, tower, or ARTCC.

Qualified parachute jumping areas will be depicted on the appropriate visual chart(s).

Note: (c) in this publication indicates that the parachute jumping area is charted.

To qualify for charting, a jump area must meet the following criteria:

(1) Been in operation for at least 1 year.

(2) Log 1,000 or more jumps each year.

In addition, parachute jumping areas can be nominated by FAA Regions if special circumstances require charting.

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC	MAXIMUM ALTITUDE	REMARKS
IDAHO			
Burley	13 NM; 035° Burley.....	15,000	Daily SR-SS.
(c) Caldwell Industrial Arpt.....	20 NM; 269° Boise.....	17,500	5 NM radius. 1/2 hour before SR-1 hour after SS.
Joslin Fld-Magic Valley Rgnl.....	0.1 NM; 359° Twin Falls.....	14,500	2 NM radius May-Oct weekends.
(c) McCall Muni Arpt, Smokejumper Base	8.55 NM; 012.41° Donnelly	9,500	8 NM radius. Apr-Oct, SR-SS daily.
(c) Star Skydiving Center.....	17 NM; 289° Boise.....	16,000	5NM radius. SR-2 hrs after SS daily.

MONTANA

Bozeman Yellowstone Intl.....	1 NM; 038° Bozeman	15,000	2 NM radius. SR-SS daily.
(c) Butler Creek.....	19 NM; 296° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
Dornblaser Fld	5.2 NM; 120° Missoula	12,500 AGL	0.5 NM radius. Occasional use.
(c) Grant Creek.....	1.5 NM; 053° Missoula	12,500 AGL	0.5 NM radius. Occasional use.
(c) Helena, Ft Harrison AAF.....	6 NM; 265° Helena.....	14,500	2 NM radius. Daily 24 hrs. Helena Rgnl ATCT-A/C (HLN) 118.3
(c) Kalispell, Carson Fld Arpt	28 NM; 238° Kalispell.....	14,000	2 NM radius. 0800-SS daily.
Kalispell, City Arpt.....	6 NM; 230° Kalispell.....	14,000 AGL	2 NM radius. 0800-SS daily.
(c) Laurel Muni Arpt	9 NM; 208° Billings	14,500	2 NM radius. Daily SR-SS.
Livingston, Mlssion Fld	1 NM; 010° Livingston	14,500	2 NM radius. Daily SR-SS.
(c) Missoula Intl Arpt	1.4 NM; 315° Missoula	1,500 AGL	0.5 NM radius. May-Sep daily SR-SS, Oct-Apr occasional use.
Nine Mile R.S.	17 NM; 289° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
(c) Raser Ranch	2 NM; 357° Missoula	3,000 AGL	0.5 NM radius Apr-Oct occasional use.
Roundup Arpt	40 NM; 351° Billings	14,500	Weekends SR-SS.
(c) Six Mile	15 NM; 300° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
(c) Stevensville Arpt.....	25 NM; 162° Missoula	14,000	1 NM radius. Wed and weekends SR-SS.
Stoney Creek.....	17 NM; 296° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
Three Forks Arpt.....	18 NM; 275° Bozeman	14,500	2 NM radius. Daily SR-SS.
University Campus	5 NM; 108° Missoula	12,500 AGL	0.5 NM radius. Occasional use.
West Yellowstone, Yellowstone Arpt	60 NM; 034° DuBois	1,500 AGL	June-Sep.

OREGON

(c) Albany, Northwest Parachute Club	18 NM; 032° Corvallis	13,000	2 NM radius. SR-1 hr after SS Wed-Sun. Occasional hours Mon-Tue.
(c) Creswell, Hobby Fld.	15 NM; 120° Eugene	15,000	5 NM radius. SR-SS Daily. Mahlon Sweet Fld Twr-TRACON 119.6
(c) Estacada, Beaver Oaks Arpt.....	25 NM; 076° Newberg	13,000 AGL	1.5 NM radius. 0800-2300 Daily.
(c) Harrisburg, Daniels Fld Arpt.	11 NM; 020° Eugene	13,000 AGL	1200-SS Daily, 0800-SS Weekends and Holidays.
(c) Hermiston Muni Arpt.....	16 NM; 280° Pendleton.....	15,000	2 NM radius. SR-SS weekends. Occasional hours weekdays.

PARACHUTE JUMPING AREAS

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LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC	MAXIMUM ALTITUDE	REMARKS
(c) Medford, Beagle Sky Ranch Arpt	5 NM; 350° Rogue Valley	14,000	Daily SR-2200.
(c) Mollala, Skydive Oregon Arpt	19 NM; 110° Newberg	14,500	5 NM radius. 0800-2200, Daily. Portland Intl Twr 118.1
(c) Portland, Mulino State Arpt	18 NM; 095° Newberg	12,500	2 NM radius. 1000-SS, Daily. Portland Intl Twr 118.1
(c) Redmond, Cline Falls Air Park Arpt.....	3 NM; 010° Deschutes	13,000	3 NM radius. 0800-2100.
WASHINGTON			
(c) Coupeville NOLF	5 NM; 110° Penn Cove	12,500 AGL	2 NM radius. Occasional use.
Fort Lewis, Abrams Drop Zone	7.5 NM; 207° McChord	1,000	1 NM radius. Occasional use.
Fort Lewis, Anzio Drop Zone	9 NM; 167° McChord	10,000	0.3 NM radius. Occasional use.
Fort Lewis, Dakto Drop Zone.....	7.5 NM; 182° McChord	1,000	0.3 NM radius. Occasional use.
Fort Lewis, Darby Drop Zone.....	8.5 NM; 097° Olympia	10,000	0.5 NM radius. Occasional use.
Fort Lewis, El Guettar Drop Zone....	7.5 NM; 092° Olympia	10,000	0.3 NM radius. Occasional use.
Fort Lewis, Gray AAF (Joint Base Lewis-McChord) Drop Zone	6 NM; 217° McChord	10,000	1 NM radius. Occasional use.
Fort Lewis, Marion Drop Zone	11 NM; 197° McChord	10,000	1 NM radius. Occasional use.
Fort Lewis, Merrill Drop Zone.....	9 NM; 092° Olympia	10,000	0.5 NM radius. Occasional use.
Fort Lewis, Mytkina Drop Zone.....	10 NM; 065° Olympia	10,000	1 NM radius. Occasional use.
Fort Lewis, Point Salinas Drop Zone	7.5 NM; 208° McChord	10,000	1 NM radius. Occasional use.
Fort Lewis, Pointe De Hoc Drop Zone.....	11.5 NM; 199° McChord	10,000	0.25 NM radius. Occasional use.
Fort Lewis, Rogers Drop Zone	7 NM; 162° McChord	10,000	0.5 NM radius. Occasional use.
Fort Lewis, Solo Drop Zone	6.5 NM; 252° McChord	10,000	1 NM radius. Occasional use.
(c) Larson/Rainer Drop Zone	17 NM; 217° Moses Lake	3,000	Continuous. Personnel and hvy equip. Grant Co Intl Twr 126.4
Monroe, Firstair Fld	14 NM; 091° Paine	12,500	0.5 mi radius. Daily SR-SS.
Pullman/Moscow Rgnl Arpt.....	8 NM; 025° Pullman	13,000	Daily, SR-SS.
(c) Ritzville, West Plains Skydiving Drop Zone.....	36.4 NM; 207° Spokane.....	15,000	2 NM radius. SR-SS weekends, 1700-SS weekdays. Heavy use Apr-Nov. Grant Co Intl Twr 126.4. Seattle ARTCC 126.1.
(c) Shelton, Sanderson Fld Arpt.....	19 NM; 309° Olympia	14,000	2 NM radius. Daily 0800-2300.
(c) Snohomish, Harvey Fld.....	7 NM; 078° Paine	15,000	2 NM radius. Continuous.
(c) Snohomish, Harvey Fld.....	8 NM; 075° Paine	15,000	1 NM radius. Continuous.
(c) Spokane, Hayford Drop Zone.....	12 NM; 340° Spokane.....	10,000	0.5 NM radius. Occasional use.
(c) Tacoma, McChord Field (Joint Base Lewis-McChord)	28 NM, 181° Seattle	15,000	Weekends and occasional nights.
(c) Tekoa, Willard Fld	31 NM; 110° Spokane.....	12,500	1 NM radius. Daily.
(c) Toledo, Ed Carlson Mem Fld-South Lewis Co	30 NM; 150° Olympia	12,500	5 NM radius. Continuous.

Contained within this tabulation, and listed alphabetically by airport name, are all private-use airports charted on the U.S. IFR Enroute Low and High Altitude charts in the United States, having terminal approach and departure control facilities. Additionally, listed by country, are all Canadian and Mexican airports that appear on the U.S. IFR Enroute charts with approach and departure control services. All frequencies transmit and receive unless otherwise noted. Radials defining sectors are outbound from the facility.

UNITED STATES

FACILITY NAME	CHART & PANEL
Cabaniss Fld NOLF, TX (NGW) Corpus App/Dep Con 125.4 307.9 Navy Cabaniss Tower 119.65 299.6 (Mon–Thu 1330–0500Z†, Fri 1330–0100Z†)	L–20H, 21A
Fentress NALF, VA (NFE) Norfolk App/Dep Con 123.9 266.8	H–10I, 12I, L–35D
Frankfort, IL (LL40) Chicago App/Dep Con 133.1 285.6	L–28H
Fry, OH (Ø0H8) Columbus App/Dep Con 118.425	L–27E
Gila Bend AF AUX, AZ (GXF) Luke App/Dep Con 125.45 263.125 (South)	H–4J, L–5B
Glasgow Industrial, MT (Ø7MT) Salt Lake Center App/Dep Con 126.85 305.2	H–1E, 2G, L–13D
Joe Williams NOLF, MS (NJW) Meridian App/Dep Con 276.4 Bravo Tower 118.475 279.2 (Mon–Fri 1300–2230Z†)	H–6J, L–18G
Oak Grove MCOLF, NC (13NC) Cherry Point App/Dep Con 119.35 377.175	L–35B
Port Sulphur, LA (4LA0) Houston App/Dep Con 134.9 290.45	L–21C, 22G
Shell AHP, AL (SXS) Cairns App/Dep Con 133.45 239.4 (24 hrs Tue–Sat, 1200–0500Z† Sun–Mon) other times ctc Jax Center App/Dep Con 134.3 353.5 Shell Tower 139.125 244.5 (1230–0600Z† Mon–Fri, exc hol)	L–22I
USAF Academy Bullseye Aux Airfield, CO (CO90) ASOS 121.425	L–10F
Webster NOLF, MD (NUI) Patuxent App/Dep Con 121.0 250.3 Navy Webster Tower 126.2 358.0 (Mon–Fri, exc hol, other times on request, 1400–2200Z† or SS, whichever occurs first)	H–10I, 12I, L–34E, 36I
Whitehouse NOLF, FL (NEN) Jax Center App Con 123.8 377.05 Jax Center Dep Con 123.8 379.9 Whitehouse Tower 135.4 268.8 350.35 (Manned during scheduled operations only)	H–8H, L–21D, 24G
William P Gwinn, FL (Ø6FA) Palm Beach App/Dep Con 317.4 Gwinn Tower 120.4 279.25 (Mon–Fri 1300–2100Z†) Gnd Con 121.65 279.25	H–8I, L–23C

CANADA

FACILITY NAME	CHART & PANEL
Abbotsford, BC (CYXX) ATIS 119.8 (1500–0700Z†) Victoria Trml App/Dep Con 132.7 (Avbl on ground) 290.8 Tower 119.4 (Inner) 121.0 (Outer) 295.0 (1500–0700Z†) Gnd Con 121.8 MF 119.4 295.0 (0700–1500Z†) (Shape irregular to 4500')	H–1B, L–12F
Amos/Magny, QC (CYEY) Montreal Center App/Dep Con 125.9	H–11B
Atikokan Muni, ON (CYIB) MF 122.3 (5 NM to 4500' No ground station)	L–14I
Barrie–Orillia (Lake Simcoe Rgnl), ON (CYLS) Toronto Center App/Dep Con 124.025	H–11B, L–31D
Bar River, ON (CPF2) Toronto Center App/Dep Con 132.65	L–31C
Bathurst, NB (CZBF) Moncton Center App/Dep Con 134.25	L–32J
Boundary Bay, BC (CZBB) ATIS 125.5 (1500–0700Z†) Vancouver App/Dep Con 132.3 363.8 Tower 118.1 (Inner) 127.6 (Outer) (1500–0700Z†) Gnd Con 124.3 MF 118.1 (0700–1500Z† to 2000'. Vancouver Trml 125.2 above 2000'. Shape irregular to 2500')	H–1B, L–1E
Brampton, ON (CNC3) Toronto Trml App/Dep Con 119.3	L–31D

CANADA

FACILITY NAME	CHART & PANEL
Brandon Muni, MB (CYBR) Winnipeg Center App/Dep Con 132.25 285.4 MF 122.1 (5 NM to 4000')	H-2H
Brantford, ON (CYFD) Toronto Trml App/Dep Con 128.27	L-31D
Brockville Rgnl Tackaberry ON (CNL3) Montreal Center App/Dep Con 134.675	L-32G
Bromont, QC (CZBM) Montreal Center App/Dep Con 132.35 MF 122.15 (5 NM to 3400')	L-32G
Burlington Executive, ON (CZBA) Toronto Center App/Dep Con 119.3	L-31D
Castlegar/West Kootenay Rgnl, BC (CYCG) Vancouver Center App/Dep Con 134.2 227.3 MF 122.1 (5 NM to 6500')	H-1C
Centralia/James T. Fld Muni, ON (CYCE) Toronto Center App/Dep Con 135.30	H-10G, 11B, L-31D
Charlottetown, PE (CYYG) Moncton Center App/Dep Con 135.65 384.8 MF 118.0 (5 NM to 3200')	H-11E, L-32J
Chatham-Kent, ON (CYCK) Cleveland Center App/Dep Con 132.25	H-10G, L-30G
Collingwood, ON (CNY3) Toronto Center App/Dep Con 124.02	H-11B, L-31D
Cornwall Rgnl, ON (CYCC) Boston Center App/Dep Con 135.25 377.1	L-32G
Cranbrook/Canadian Rockies Intl, BC (CYXC) Vancouver Center App/Dep Con 133.6 MF 122.3 (5 NM to 6100')	H-1C
Debert, NS (CCQ3) Halifax Trml App/Dep Con 119.2	H-11E, L-32J
Digby, NS (CYID) Moncton Center App/Dep Con 123.9	L-32J
Downsview, ON (CYZD) Toronto Center App/Dep Con 133.4 MF 126.2 (1300-2300Z†, 3 NM to 1700')	H-11B, L-31E
Drummondville, QC (CSC3) Montreal Center App/Dep Con 132.35	L-32H
Earlton (Timiskaming Rgnl), ON (CYXR) MF 122.0 (5 NM to 3800')	H-11B
Elliot Lake Muni, ON (CYEL) Toronto Center App/Dep Con 135.4	L-31C
Fort Frances Muni, ON (CYAG) Minneapolis Center App/Dep Con 120.9	L-14H
Fredericton Intl, NB (CYFC) ATIS 127.55 (1045-0245Z†, OT AWOS) Moncton Center App/Dep Con 124.3 135.5 270.8 Tower 119.0 (1045-0245Z†) Gnd Con 121.7 (1045-0245Z†) MF 119.0 (0245-1045Z†, 5 NM to 3500')	H-11E, L-32I
Goderich, ON (CYGD) Toronto Center App/Dep 135.3 266.3	H-11B, L-31D
Greenwood, NS (CYZX) ATIS 128.85 244.3 (1100-0000Z†) App/Dep Con 120.6 335.9 Tower 119.5 236.6 324.3 Gnd Con 133.75 289.4 Clnc Del 128.025 283.9	H-11E, L-32J
Grimsby Air Park, ON (CNZ8) Toronto Trml App/Dep Con 128.27 268.75 Tower 125.0 308.475	L-31E
Halifax/Shearwater, NS (CYAW) ATIS 129.175 (Ltd hrs) App/Dep Con 119.2 MF Shearwater Advisory 119.0 126.2 340.2 360.2 (Ltd hrs) Gnd Con 121.7 250.1	H-11E, L-32J
Halifax/Stanfield Intl, NS (CYHZ) ATIS 121.0 Moncton Center App/Dep Con 135.3 Tower 118.4 236.6 Gnd Con 121.9 275.8 Clnc Del 123.95	H-11E, L-32J
Hamilton, ON (CYHM) ATIS 128.1 Toronto Trml App/Dep Con 119.7 Tower 125.0 Gnd Con 121.6	H-10H, 11B, L-11B
Kingston, ON (CYGK) ATIS 135.55 (1115-0400Z†) Montreal Center App/Dep Con 135.05 (0400-1115Z†) MF 122.5 (1115-0400Z† 5 NM to 3300')	H-11C, L-31E, 32F

CANADA

FACILITY NAME	CHART & PANEL
Kitchener/Waterloo, ON (CYKF) ATIS 125.1 (1200-0400Z) Toronto Trml App/Dep Con 128.275 Waterloo Tower 126.0 118.55 (1200-0400Z) Gnd Con 121.8 MF 126.0 (0400-1200Z 5 NM to 4000')	H-11B, L-31D
Lachute, QC (CSE4) Montreal Center App Con 124.65 268.3 Montreal Center Dep Con 132.85 268.3	L-32G
La Tuque, QC (CYLQ) Montreal Center App/Dep Con 134.5	H-11C
Langley, BC (CYNJ) ATIS 124.5 (1630-0230Z, DT 1530-0330Z) Victoria Trml App/Dep Con 132.7 290.8 Tower 119.0 (1630-0230Z, DT 1530-0330Z) Gnd Con 121.9 MF 119.0 (0230-1630Z, DT 0330-1530Z 3 NM to 1900')	L-1E
Leamington, ON (CLM2) Detroit Approach App/Dep Con 134.3	L-30F
Lethbridge, AB (CYQL) ATIS 124.4 (1245-0545Z) Edmonton Center App/Dep Con 132.75 265.2 MF 121.0 (5 NM to 6000')	H-1D
Lindsay, ON (CNF4) Toronto Center App/Dep 134.25	L-31E, L-32F
Liverpool/South Shore Rgnl, NS (CYAU) Moncton Center App/Dep Con 123.9	L-32J
London, ON (CYXU) ATIS 127.8 (1120-0345Z) Toronto Center App/Dep 135.3 135.625 Tower 119.4 125.65 (1120-0345Z) Gnd Con 121.9 MF 119.4 (0345-1120Z 5 NM to 3000')	H-10G, 11B, L-30G, 31D
Manitowaning/Manitoulin East Muni, ON (CYEM) Toronto Center App/Dep 135.4 260.9	L-31C
Maniwaki, QC (CYMW) Montreal Center App/Dep Con 126.57	L-32G
Mascouche, QC (CSK3) MF 122.35 (5 NM to 2500'. No gnd station. Excluding the portion S of the N shore of Riviere des Milles-Iles and 1 NM around Lac Agile Mascouche arpt.)	L-32G
Medicine Hat, AB (CYXH) ATIS 124.875 (1245-0345Z) MF 122.2 (1245-0345Z 5 NM to 5400')	H-1D
Midland/Huron, ON (CYEE) Toronto Center App/Dep 124.025	L-31D
Miramichi, NB (CYCH) Moncton Center App/Dep Con 123.7	H-11E, L-32J
Moncton/Greater Moncton Intl, NB (CYQM) ATIS 128.65 App/Dep 124.4 Tower 120.8 236.6 Gnd Con 121.8 275.8 Apron Advisory 122.075	H-11E, L-32J
Mont-Laurier, QC (CSD4) Montreal Center App/Dep Con 126.57	L-32G
Montreal Intl (Mirabel), QC (CYMX) ATIS 125.7 Montreal Center App/Dep Con 124.65 268.3 MF 119.1 (7 NM shape irregular to 2000') VFR Advisory 134.15	H-11C, 12K, L-32G
Montreal/Pierre Elliott Trudeau Intl, QC (CYUL) ATIS 133.7 Montreal Trml App Con 118.9 126.9 132.85 268.3 Tower 119.3 119.9 124.3 (old port) 267.1 Gnd Con 121.0 121.9 275.8 Cinc Del 125.6 Apron 122.075 Montreal Trml Dep Con 120.42 (SE-S-SW) 124.65 (W-NW-NE) 268.3 VFR Advisory 134.15	H-11C, 12K, L-32G
Montreal/St-Hubert, QC (CYHU) ATIS 124.9 (Apr-Oct Mon-Fri 1045-0500Z, Apr-Oct Sat-Sun 1045-0300Z, Nov-Mar Mon-Fri 1045-0400Z, Nov-Mar Sat-Sun 1045-0100Z) Montreal Center App/Dep Con 125.15 268.3 St. Hubert Tower 118.4 (Apr-Oct Mon-Fri 1045-0500Z, Apr-Oct Sat-Sun 1045-0300Z, Nov-Mar Mon-Fri 1045-0400Z, Nov-Mar Sat-Sun 1045-0100Z) Gnd Con 126.4 (Apr-Oct Mon-Fri 1045-0500Z, Apr-Oct Sat-Sun 1045-0300Z, Nov-Mar Mon-Fri 1045-0400Z, Nov-Mar Sat-Sun 1045-0100Z) MF 118.4 (Apr-Oct Tues-Sat 0500-1045Z, Apr-Oct Sun-Mon 0300-1045Z, Nov-Mar Tues-Sat 0400-1045Z, Nov-Mar Sun-Mon 0100-1045Z) 5 NM shape irregular to 2500') VFR Advisory 134.15	H-11C, L-32G

CANADA

FACILITY NAME	CHART & PANEL
Muskoka, ON (CYQA) Timmins Radio App/Dep Con 122.3 MF 122.3 (5 NM to 3900')	H-11B, L-31D
Nanaimo, BC (CYCD) ATIS 128.425 (1-877-517-2847)(1400-0500Z) Victoria Trml App/Dep 120.8 133.95 252.3 MF 122.1 291.8 1330-0530Z‡ (5 NM to 2500')	H-1B, L-1E
North Bay, ON (CYYB) ATIS 124.9 (1130-0330Z‡) Toronto Center App/Dep 127.25 MF 118.3 (1130-0330Z‡ 7 NM to 5000')	L-31E
Oshawa, ON (CYOO) ATIS 125.675 (1130-0330Z‡) Toronto Trml App/Dep Con 133.4 Tower 120.1 (1130-0330Z‡) Gnd Con 118.4 MF 120.1 (0330-1130Z‡ 5 NM to 3000')	L-31E
Ottawa/Carp, ON (CYRP) ATIS 121.15 Ottawa Trml App/Dep Con 127.7	L-31E, 32F
Ottawa/Gatineau, QC (CYND) Ottawa Trml App/Dep Con 127.7 128.175 MF 122.3 (5 NM shape irregular to 2500) VFR Advisory Ottawa Trml 127.7	H-11C, L-32G
Ottawa/MacDonald-Cartier Intl, ON (CYOW) ATIS 121.15 Ottawa App Con 135.15 Tower 118.8 (VFR South) 120.1 (VFR North) 118.8 341.3 Gnd Con 121.9 Clnc Del 119.4 Ottawa Dep Con 128.175	L-11C
Owen Sound/Billy Bishop Rgnl, ON (CYOS) Toronto Center App/Dep 132.575 290.6	L-31D
Pelee Island, ON (CYPT) Cleveland Center App/Dep Con 126.35 360.0	L-30F
Pembroke, ON (CYTA) Montreal Center App/Dep Con 135.2 Petawawa Advisory 126.4 250.1 (Mon-Fri 1300-2130Z‡, OT PPR)	H-11C, L-31E, 32F
Penticton, BC (CYPF) Vancouver Center App/Dep Con 133.5 351.3 MF 118.5 (5 NM to 4100)	H-1B
Peterborough, ON (CYPQ) Toronto Center App/Dep 134.25 MF 123.0 (5 NM to 3600')	H-11B, L-31E, 32F
Pincher Creek, AB (CZPC) Edmonton Center App/Dep Con 132.75 265.2	H-1D
Pitt Meadows, BC (CYPK) ATIS 125.0 (1500-0700Z‡) UNICOM 123.35 (0700-1500Z‡) Vancouver Center App Con 128.6 (Outer) 352.7 Pitt Tower 126.3 (1500-0700Z‡) Gnd Con 123.8 Vancouver Center Dep Con 132.3 (South) 363.8 MF 126.3 (0700-1500Z‡) (3NM to 2500)	L-1E
Quebec/Jean Lesage Intl, QC (CYQB) ATIS 134.6 Montreal Center App/Dep Con 124.0 127.85 135.025 270.9 322.8 Tower 118.65 236.6 Gnd Con 121.9 250.0	H-11D, L-32H
Riviere Du Loup, QC (CYRI) Montreal Center App/Dep Con 125.1 299.6	H-11D
Rouyn Noranda, QC (CYUY) Montreal Center App/Dep Con 125.9 MF 122.2 (5 NM to 4000')	H-11B
Saint John, NB (CYSJ) Moncton Center App/Dep Con 124.3 135.5 270.8 MF 118.5 (5 NM to 3400')	H-11E, L-32J
Sarnia (Chris Hadfield), ON (CYZR) Toronto Center App/Dep Con 134.375	H-10G, 11B, L-30F
Sault Ste Marie, ON (CYAM) ATIS 133.05 (1130-0330Z‡) Toronto Center App/Dep Con 132.65 344.5 Tower 118.8 (1130-0330Z‡) Gnd Con 121.7 (1130-0330Z‡) MF 118.8 (0330-1130Z‡ 5 NM irregular shape to 3000')	H-2K, L-31B
Sherbrooke, QC (CYSC) Montreal Center App/Dep Con 132.55 MF 123.5 (Ltd hrs 5 NM to 3800')	H-11D, L-32H
South Renfrew Muni, ON (CNP3) Montreal Center App/Dep 124.275	L-31E, 32F

CANADA

FACILITY NAME	CHART & PANEL
Southport, MB (CYPG) ATIS 120.85 (Mon–Fri 1400–2300Z† except holidays) Tower 126.2 384.2 (Mon–Fri 1400–2300Z† except holidays) Gnd Con 121.7 275.8	H–2H
Springwater Barrie Airpark, ON (CNA3) Toronto Center App/Dep Con 124.025	L–31D
St. Catharines/Niagara District, ON (CYSN) ATIS 128.525 (1215–0200Z†) Toronto Trml App/Dep Con 133.4 MF 123.25 (1215–0200Z† 5 NM to 3300')	H–10H, 11B, L–31E
St. Frederic, QC (CSZ4) Montreal Center App/Dep Con 135.025 270.9	L–32H
St. Georges, QC (CYSG) Montreal Center App/Dep Con 132.35 MF 122.15 (5 NM 3900' ASL)	H–32H, L–11D
St. Jean, QC (CYJN) Montreal Center App/Dep Con 125.15 268.3 Tower 118.2 (Apr–Oct 1230–0230Z† Nov–Mar 1300–0200Z†) Gnd Con 121.7	L–32G
Sudbury, ON (CYSB) ATIS 127.4 Toronto Center App/Dep Con 135.5 MF 125.5 (7 NM to 4000') Cnc Del 121.8	H–31B, 10G, L–31D
Summerside, PE (CYSU) Moncton Center App/Dep Con 124.4 384.8	H–11E, L–32J
Thunder Bay, ON (CYQT) ATIS 128.8 (1100–0400Z†) Winnipeg Center App/Dep Con 132.125 Tower 118.1 (1100–0400Z†) Gnd Con 121.9 (1100–0400Z†) App/Dep 119.2 MF 118.1 (0400–1100Z† 5 NM to 4000')	H–2J, L–14J
Timmins/Victor M. Power, ON (CYTS) ATIS 124.95 (1000–0500Z†) Toronto Center App/Dep Con 128.3 MF 122.3 (5 NM to 4000')	H–11B
Toronto/Buttonville Muni, ON (CYKZ) ATIS 127.1 (1200–0400Z†) Toronto Trml App/Dep Con 133.4 Tower 124.8 119.9 (1200–0400Z†) Gnd Con 121.8 (1200–0400Z†) MF 124.8 (0400–1200Z† No gnd station. 5 NM shape irregular to below 2500')	L–31E
Toronto/Billy Bishop Toronto City Airport, ON (CYTZ) ATIS 133.6 (1130–0400Z†) App/Dep Con 133.4 Tower 118.2 119.2 (1130–0400Z†) Gnd Con 121.7	L–31E
Toronto/Lester B Pearson Intl, ON (CYYZ) ATIS 120.825 133.1 App Con 132.8 124.475 125.4 Dep Con 127.575 128.8 Tower 118.35 118.7 Gnd Con 121.9 121.65 119.1 Cnc Del 121.3 (1200–0400Z†) Apron Coordinator 122.875 (122.825)	H–11B, L–31D
Trenton, ON (CYTR) ATIS 135.45 257.7 App/Dep Con 128.4 324.3 Tower 128.7 236.6 Gnd Con 121.9 275.8 Cnc Del 124.35 286.4	H–11C, L–31E, 32F
Trenton/Mountain View, ON (CPZ3) Trenton Mil Advisory 268.0 or 122.35	H–11C, L–31E, 32F
Trois-Rivières, QC (CYRQ) Montreal Center App/Dep Con 128.225 MF 123.0 (5 NM to 3200')	H–11C, L–32H
Val-D'or, QC (CYVO) Montreal Center App/Dep Con 125.9 308.3 MF 118.5 (1030–0325Z† 5 NM to 4000')	H–11B
Vancouver Intl, BC (CYVR) ATIS 124.6 App Con 128.6 128.17 (Outer) 133.1 134.225 (Inner) 352.7 Dep Con 126.125 (north) 132.3 (south) 363.8 Tower 118.7 (south) 119.55 (north) VFR 124.0 125.65 226.5 236.6 Gnd Con 121.7 (south) 127.15 (north) 275.8 Cnc Del 121.4	H–1B, L–1E
Victoria Intl, BC (CYYJ) ATIS 118.8 (1400–0800Z†) App Con 125.95 Dep Con 133.85 Tower 119.1 (Outer) 119.7 (Inner) 239.6 Gnd Con 121.9 361.4 (1400–0800Z† OT ctc Kamloops 119.7) Cnc Del 126.4 (1400–0800Z†)	H–1B, L–1E

CANADA

FACILITY NAME	CHART & PANEL
Victoriaville, QC (CSR3) Montreal Center App Con 132.35	L-32H
Waterville/Kings Co Muni, NS (CCW3) Greenwood Trml App/Dep Con 120.6 335.9 Greenwood Tower 119.5 324.3	L-32J
Warton, ON (CYVV) Toronto Center App/Dep Con 132.575 MF 122.2 (5 NM to 3700')	H-11B, L-31D
Windsor, ON (CYQG) ATIS 134.5 (1130-0330Z) Detroit App/Dep Con 126.85 127.5 134.3 348.3 363.2 Tower 124.7 (1130-0330Z) Gnd Con 121.7 (1130-0330Z) MF 124.7 (0330-1130Z) 6 NM irregular shape to below 3000' VFR Advisory Detroit App Con 134.3	H-10G, L-8J
Yarmouth, NS (CYQI) Moncton Center App/Dep Con 123.9 368.5 MF 123.0 (5 NM to 3100')	H-11E, L-32I

MEXICO

FACILITY NAME	CHART & PANEL
Abraham Gonzalez Intl/Ciudad Juarez Intl (MMCS/CJS) Juarez App Con 119.9 Juarez Tower 118.9	H-4K, L-6F
Del Norte Intl (MMAN) ATIS 127.55 (1300-0300Z) Monterrey App 119.75 120.4 Tower 118.6 (1300-0600Z) Gnd 122.0 (1200-0200Z) Cinc Del 122.0 (1200-0200Z)	H-7B, L-20G
Durango Intl (MMDO/DGO) ATIS 132.1 Tower 118.1 Durango Info 122.3	H-7A
General Abelardo L Rodriguez Intl/Tijuana Intl (MMTJ) ATIS 127.9 (1400-1100Z) Tijuana App Con 119.5 120.3 Tijuana Tower 118.1 Tijuana Cinc Del 122.35 Tijuana Info 132.1	H-4H, L-4H
General Lucio Blanco Intl/Reynosa Intl (MMRX) Reynosa App Con 127.2 Reynosa Tower 118.8	H-7B, L-20H
General Mariano Escobedo Intl/Monterrey Intl (MMMY) ATIS 127.7 Monterrey App Con 119.75 120.4 Monterrey Dep Con 119.75 Monterrey Tower 118.1 Monterrey Gnd 121.9 Monterrey Info 122.45	H-7B, L-20G
General R Fierro Villalobos Intl/Chihuahua Intl (MMCU) ATIS 127.9 (1300-0300Z) Chihuahua App Con 121.0 Chihuahua Tower 118.4	L-6I
General Rodolfo Sanchez Taboada Intl (MMLL) ATIS 127.6 Mexicali App Con 118.2 Mexicali Tower 118.2 Mexicali Info 123.9 122.3	H-4H, L-4J, 5A
General Servando Canales Intl (MMAA) Matamoros App Con 118.0 Matamoros Tower 118.0	H-7C, L-21A
Plan De Guadalupe Intl/Salttillo Intl (MMIO/SLW) Saltillo App Con 127.4 Saltillo Tower 118.4	H-7B
Quetzalcoatl Intl/Nuevo Laredo Intl (MMNL/NLD) Nuevo Laredo App Con 118.3 Nuevo Laredo Tower 118.3	H-7B, L-20G
Torreon Intl (MMTC) App Con 119.6 Tower 118.5 Info 122.3	H-7A

PREFERRED IFR ROUTES

A system of preferred routes has been established to guide pilots in planning their route of flight, to minimize route changes during the operational phase of flight, and to aid in the efficient orderly management of the air traffic using federal airways. The preferred IFR routes which follow are designed to serve the needs of airspace users and to provide for a systematic flow of air traffic in the major terminal and en route flight environments. Cooperation by all pilots in filing preferred routes will result in fewer traffic delays and will better provide for efficient departure, en route and arrival air traffic service.

The following lists contain preferred IFR routes for the low altitude stratum and the high altitude stratum. The high altitude list is in two sections; the first section showing terminal to terminal routes and the second section showing single direction route segments. Also, on some high altitude routes low altitude airways are included as transition routes.

The following will explain the terms/abbreviations used in the listing:

1. Preferred routes beginning/ending with an airway number indicate that the airway essentially overlies the airport and flight are normally cleared directly on the airway.
2. Preferred IFR routes beginning/ending with a fix indicate that aircraft may be routed to/from these fixes via a Standard Instrument Departure (SID) route, radar vectors (RV), or a Standard Terminal Arrival Route (STAR).
3. Preferred IFR routes for major terminals selected are listed alphabetically under the name of the departure airport. Where several airports are in proximity they are listed under the principal airport and categorized as a metropolitan area; e.g., New York Metro Area.
4. Preferred IFR routes used in one direction only for selected segments, irrespective of point of departure or destination, are listed numerically showing the segment fixes and the direction and times effective.
5. Where more than one route is listed the routes have equal priority for use.
6. Official location identifiers are used in the route description for VOR/VORTAC nav aids.
7. Intersection names are spelled out.
8. Navaid radial and distance fixes (e.g., ARD201113) have been used in the route description in an expediency and intersection names will be assigned as soon as routine processing can be accomplished. Navaid radial (no distance stated) may be used to describe a route to intercept a specified airway (e.g., MIV MIV101 V39); another navaid radial (e.g., UIM UIM255 GSW081); or an intersection (e.g., GSW081 FITCH).
9. Where two nav aids, an intersection and a navaid, a navaid and a navaid radial and distance point, or any navigable combination of these route descriptions follow in succession, the route is direct.
10. The effective times for the routes are in UTC. During periods of daylight saving time effective times will be one hour earlier than indicated. All states observe daylight saving time except Arizona, Puerto Rico and the Virgin Islands. Pilots planning flight between the terminals or route segments listed should file for the appropriate preferred IFR route.
11. (90–170 incl) altitude flight level assignment in hundred of feet.
12. The notations "pressurized" and "unpressurized" for certain low altitude preferred routes to Kennedy Airport indicate the preferred route based on aircraft performance.
13. High Altitude Preferred IFR Routes are in effect during the following time periods unless otherwise noted.
 Sun1300–2259 local time.
 Mon thru Fri0701–2259 local time.
 Sat0701–1459 local time.
14. Use current SIDs and STARs for flight planning.
15. For high altitude routes, the portion of the routes contained in brackets [] is suggested but optional. The portion of the route outside the brackets will likely be required by the facilities involved.

SPECIAL LOW ALTITUDE DIRECTIONAL ROUTES

Route		Effective Times (UTC)
Low altitude IFR traffic 13000 feet and below overflying the Portland, OR Area:		
Southbound/southwestbound	OLM V165 UBG	1400–0700
Northbound	UBG V165 OLM	1400–0700
Low Altitude IFR traffic 9000 feet and below overflying the Seattle, WA Area:		
Southbound/Southwestbound	V165	1400–0700
Northbound	V165	1400–0700
Eastbound	V004 SEA V002	1400–0700
Low Altitude IFR traffic 10000 to 15000 overflying the Seattle, WA Area:		
Southbound	V165 V495	1400–0700
Southbound	V023 V165 DIGGN V495	1400–0700
Eastbound	V004 SEA V2	1400–0700
Low Altitude IFR traffic 10000 to 15000 overflying the Seattle, WA Area landing in PDX area:		
Southbound	V165 V495 SEA HELNS–STAR	1400–0700
Southbound	V023 V165 DIGGN V495 SEA HELNS–STAR	1400–0700
Low Altitude IFR traffic from the North terminating at McMinnville, OR, Aurora State, OR, or Hillsboro, OR:		
Southbound	V165 UBG	1400–0700

PREFERRED IFR ROUTES

SPECIAL LOW ALTITUDE DIRECTIONAL ROUTES

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Terminals	Route	Effective Times (UTC)
From the Eugene, OR Area: (props and turboprops, 170 and below)		
Northbound	V481 CVO V495 UBG	1400-0700
Southbound	V448 OED	1400-0700

HIGH ALTITUDE

Terminals	Route	Effective Times (UTC)
BOISE (BOI)		
Chicago O'Hare (ORD)	(FL240 and above-Jets) to join DPR J16 MCW JVL-STAR	0000-2359
	or	
	DPR J16 MCW ZZIPR FYTTE (RNAV)-STAR	0000-2359
PORTLAND (PDX)		
Burbank (BUR)	J67 LIN J189 AVE FIM	1300-0600
Chicago O'Hare (ORD)	J16 MCW JANESVILLE-STAR	0000-2359
	or	
	J16 MCW ZZIPR FYTTE (RNAV)-STAR	
Detroit Metro-Wayne Co (DTW)	ODI J34 BAE POLAR-STAR	
Houston (HOU)	(Turbojets-GPS or DME/DME-IRU equipped) PNH MQP ELLVR NNEAL KIDDZ (RNAV)-STAR	
Houston (IAH)	(Turbojets and Turboprops-GPS or DME/DME-IRU equipped) (IAH East Flow) PNH MQP GUSHR (RNAV)-STAR	
	or	
	(Turbojets and Turboprops-GPS or DME/DME-IRU equipped) (IAH West Flow) PNH MQP DRLLR (RNAV)-STAR	
Long Beach (LGB)	J67 LIN J189 AVE FIM	1300-0600
Los Angeles (LAX)	J67 LIN J189 AVE FIM	1300-0600
Ontario (ONT)	J67 LKV J5 EHF PMD	1300-0600
Santa Ana (SNA)	J67 LIN J189 AVE FIM	1300-0600
SEATTLE BOEING FLD (BFI)		
Burbank (BUR)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-0600
Long Beach (LGB)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-0600
Los Angeles (LAX)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-0600
Ontario (ONT)	SEA J5 EHF ZIGGY-STAR	1300-0600
Santa Ana (SNA)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-0600
SEATTLE/TACOMA (SEA)		
Anchorage (ANC)	(RNAV only) SQUIM AKWAY AKHOG LAIRE AKZOO JOH	
Burbank (BUR)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE FIM	1300-0600
Cleveland Metro Area (CLE) (CGF) (BKL) (LNN) (LPR)	BAE J34 GRR HIMEZ-STAR	
Detroit Metro-Wayne Co. (DTW)	J90 HLN J34 BAE POLAR-STAR	
Houston (HOU)	(Turbojets-GPS or DME/DME-IRU equipped) PNH MQP ELLVR NNEAL KIDDZ (RNAV)-STAR	
Houston (IAH)	(Turbojets and Turboprops-GPS or DME/DME-IRU equipped) (IAH East Flow) MQP GUSHR (RNAV)-STAR	
	or	
	(Turbojets and Turboprops-GPS or DME/DME-IRU equipped) (IAH West Flow) MQP DRLLR (RNAV)-STAR	
Kennedy (JFK)	J90 HLN J34 ODI J30 J90 OBK J584 CRL J554 JHW J70 LVZ LENDY-STAR	
Long Beach (LGB)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE FIM	1300-0600
Los Angeles (LAX)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE FIM	1300-0600
Newark (EWR)	J90 ABR J70 GEP DLL J34 CRL J584 SLT FQM-STAR	
Ontario (ONT)	SUMMA-DP SUMMA J5 EHF PMD	1300-0600
Santa Ana (SNA)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE FIM	1300-0600

PREFERRED IFR ROUTES

Terminals	Route	Effective Times (UTC)
SPOKANE (GEG)		
Chicago O'Hare (ORD)	(FL240 and abv) (Jets) to join DPR J16 MCW	
	JVL-STAR	0000-2359
	or	
	DPR J16 MCW ZZIPR FYTTE (RNAV)-STAR	

GULF OF MEXICO "Q ROUTES"

These area navigation routes extend more than 12 miles off shore in airspace controlled by the Federal Aviation Administration (FAA). Additional regulatory information for these routes can be found in the Notices to Airmen Publication, Part 3, International Notices to Airmen.

These routes have a Minimum Obstruction Clearance Altitude (MOCA) of 1500 feet (MSL). The Minimum Enroute Altitude (MEA) for these routes is 6000 feet (MSL).

Q100

LEV VORTAC

REDFN N28°52.98'/W088°42.11'

NAITE N28°42.64'/W088°05.00'

ROZZI N28°18.87'/W086°42.31'

REMIS N27°53.04'/W085°15.47'

SRQ VORTAC

Q102

LEZ VORTAC

BLVNS N28°22.94'/W088°02.05'

BUNNZ N28°00.58'/W086°45.76'

BACCA N27°35.51'/W085°20.66'

CIGAR N27°29.61'/W084°46.99'

BAGGS N27°08.06'/W082°50.45'

CYY VORTAC

Q105

HRV VORTAC

FATSO N29°41.40'/W089°47.08'

REDFN N28°52.98'/W088°42.11'

BLVNS N28°22.94'/W088°02.05'

Q-ROUTES REGULATORY

Q1, Q3, Q5, Q7, Q9 and Q11 are preferred single direction (Southbound) Q routes; flight planning Northbound not authorized.

Q routes are RNAV routes that require the use of GNSS or DME/DME/IRU RNAV, unless otherwise indicated. Please note that this section does not apply to Q routes in the Gulf of Mexico.

GNSS and DME/DME/IRU RNAV operations are authorized along Q routes at FL 180 and above. GNSS and DME/DME/IRU RNAV MEAs will only be published if above FL 180.

DME facilities that have been assessed for RNAV operations are listed below. Q routes with no DME facilities listed are limited to GNSS RNAV operations only. Those routes will have an enroute chart note "GNSS REQUIRED".

Route	Segment	DME
Q1	POINT REYES-ETCHY	LIN, ECA, RBL, SAC, OAK, PYE
	ETCHY-TOCOS	RBL, PYE, SAC, OAK, LIN, ECA, ENI
	TOCOS-ENVIE	OED, RBL, ENI, PYE
	ENVIE-ELENN	RBL, LMT, OED
	ELENN-EBINY	LMT, OED, CVO, EUG, RBL
	EBINY-EASON	CVO, DSD, OED, BTG, UBG, ONP, EUG, LMT
	EASON-ERAVE	SEA, BTG, OLM, HQM, LTJ, CVO, DSD, OED, UBG, ONP, EUG
	ERAVE-ELMAA	BTG, OLM, HQM, UBG, HUH
Q2	BOILE-HEDVI	HEC, PDZ, OCN, PMD, LAX, RZS, IPL, TRM, PKE, BLH, EED, BZA, GBN,
	HEDVI-HOBOL	BZA, GBN, BLH, EED, PXR, IPL, TFD, DRK, TUS
	HOBOL-ITUCO	TFD, GBN, BLH, PXR, TUS, CIE, SSO
	ITUCO-NEWMAN	EWM, TFD, PXR, CIE, SSO, TUS, TCS
Q3	FEPTOT-FAMUK	OLM, TOU, HQM, CVO, BTG, DSD, LTJ, UBG, ONP, EUG
	FAMUK-FRFLY	BTG, DSD, OED, CVO, EUG, ONP, UBG, RBL, LMT
	FRFLY-FINER	OED, EUG, RBL, LMT, ENI, CVO, FJS
	FINER-FOWND	OED, PYE, ECA, LIN, OAK, ENI, RBL, LMT, SAC, FJS
	FOWND-POINT REYES	LIN, ECA, PYE, RBL, SAC, ENI

Route	Segment	DME
Q4	BOILE-HEDVI	HEC, PDZ, OCN, PMD, LAX, RZS, IPL, TRM, PKE, BLH, BZA, EED, GBN
	HEDVI-SCOLE	EED, BLH, BZA, GBN, TRM, IPL, TFD
	SCOLE-SPTFR	EED, BLH, BZA, GBN, TRM, IPL, TFD
	SPTFR-ZEBOL	EED, IPL, BZA, GBN, TFD, PXR, BLH
	ZEBOL-SKTTR	PXR, BLH, BZA, GBN, TFD, TUS, SSO, CIE, SVC, TCS
Q5	SKTTR-EL PASO	EWM, CUS, SVC, TCS, SSO, CIE, ELP, DMN, CME
	HAROB-HISKU	OLM, ONP, CVO, EUG, HQM, UBG, BTG, LTJ, DSD, HUH
	HISKU-HARPR	ONP, CVO, EUG, LTJ, DSD, UBG, BTG, RBL, OED, LMT, FJS, LKV
	HARPR-HOMEG	CVO, EUG, OED, RBL, LMT, ENI, FJS, LKV
	HOMEG-HUPTU	SAC, PYE, LIN, OAK, ECA, LMT, RBL, ENI, OED, FJS
Q7	HUPTU-STIKM	OAK, ECA, PYE, LIN, SAC, ENI, RBL
	JINMO-JOGEN	CVO, HQM, LTJ, UBG, BTG, ONP, IMB, EUG, OLM, DSD, YKM, PDT, SEA
	JOGEN-JUNEJ	LTJ, IMB, UBG, EUG, CVO, RBL, LMT, FMG, DSD, LKV, OED, BTG
	JUNEJ-JAGWA	RBL, LMT, FMG, LIN, SAC, ECA, ENI, MOD, SWR, OAK, LKV, CZQ, AVE, SNS
	JAGWA-AVENAL	OAK, MOD, ECA, EHF, PRB, AVE, SNS, CZQ
Q9	SUMMA-SMIGE	OLM, UBG, SEA, YKM, BTG, ONP, IMB, HQM, PDT, EUG, LTJ, CVO, DSD, OED, EPH, MWH
	SMIGE-SUNBE	IMB, UBG, EUG, IMB, RBL, LMT, FMG, SAC, OED, CVO, LKV, DSD, BTG
	SUNBE-REBRG	RBL, LMT, FMG, SAC, ECA, MVA, CZQ, OAK, EHF, PMD, LKV, LIN, MOD, AVE, OED, SWR
	REBRG-DERBB	CZQ, PMD, EHF, LAX, RZS, AVE, MOD, ECA
	PAAGE-PAWLI	EPH, UBG, CVO, EUG, HQM, YKM, OLM, PDT, BTG, ONP, IMB, LTJ, DSD, LKV, OED, SEA
Q11	PAWLI-PITVE	EUG, FMG, SAC, IMB, LKV, OED, DSD, RBL, LMT, CVO, REO
	PITVE-PUSHH	FMG, SAC, LIN, SWR, MOD, OAL, RBL, LKV, LMT, MVA, CZQ
	PUSHH-LOS ANGELES	SAC, ECA, FMG, LIN, OAL, MOD, EHF, LAX, PMD, PDZ, HEC, OCN, CZQ, AVE, RZS
	All segments	GNSS required
	All segments	GNSS required
Q13	NASHVILLE-PLESS	BNA, BWG, CSX, ENL, FAM, GQO, IIU, PXV, STL
	PLESS-ST LOUIS	AXC, CSX, ENL, FAM, PXV, SPI, STL, UIN
	ST LOUIS-DES MOINES	ALO, AXC, CID, CSX, DSM, ENL, FAM, FOD, LOW, IRK, LMN, OVR, SPI, STL, UIN
	DES MOINES-SIOUX FALLS	ALO, CID, DSM, FOD, FSD, LOW, IRK, LMN, MCW, ONL, OVR, RWF
	SIOUX FALLS-ABERDEEN	ABR, FAR, FOD, FSD, ONL, RWF
Q20	CORONA-HONDS	CNX, ABQ, ACH, ONM, TXO, LVS, TCC, CME
	HONDS-UNNOS	CNX, INK, CME, TXO, TCC
	UNNOS-FUSCO	FST, ACH, INK, CME, SJT, TXO, TCC
	FUSCO-JUNCTION	ABI, CWK, CSI, INK, LZZ, JCT, SJT, STV, FST
	JONEZ-RAZORBACK	BYR, EOS, TUL, TXK, ADM, RZC, OKM
Q21	GUSTI-OYSTY	AEX, LFT, LLA, VUH, LCH
	OYSTY-ACMES	LEV, HRV, PCU, ROR, MCB
	ACMES-CATLN	BFM, HRV, CEW, GCV, MCB
	CATLN-TWOUP	CEW, MGM, MVC, SJI, MEI
	TWOUP-SPARTANBURG	PDK, MCN, AHN, GOO, ODF
Q22	SPARTANBURG-NYBLK	CAE, SPA, IRQ, SUG, ODF
	NYBLK-MASHI	SPA, BZM, GRD, CLT, GSO
	MASHI-KIDDO	SPA, BZM, GRD, CLT, GSO
	KIDDO-OMENS	SBV, LIB, PSK, GSO, RDU
	OMENS-BEARI	GVE, FAK, PSK, RIC, RDU
Q23	FORT SMITH-RAZORBACK	OKM, RZC, EOS, TUL
Q24	LAKE CHARLES-FIGHTING TIGER	AEX, DAS, LCH, MCB, LFT, LSU
	FIGHTING TIGER-IRUBE	AEX, LEV, MCB, LCH, RQR, HRV, LSU, GCV, PCU, SJI, LBY
	IRUBE-PAYTN	GCV, MCB, JYU, PCU, MEI, HRV, CEW, SJI
	MEEOW-WALNUT RIDGE	ELD, MEM, LIT, FAM, RZC, EIC, TXK, ARG, GQE
	WALNUT RIDGE-WLSUN	MEM, STL, BWG, PXV, ENL, FAM, ARG, BNA, CSX, TTH
Q25	WLSUN-POCKET CITY	BWG, PXV, ENL, BNA, TTH
	WALNUT RIDGE-DEVAC	LIT, JKS, GQO, MEM, BNA, FAM, ARG, DYR, VUZ, RMG
Q26	FORT SMITH-ZALDA	OKM, SGF, RZC, EOS, TUL
Q27		

Route	Segment	DME
Q28	GRAZN-PYRMD	EIC, LIT, ELD, OKM, TXK
	PYRMD-HAKAT	ARG, LIT, FAM, ELD, SGF, RZC, MEM, TXK
	HAKAT-ESTEE	ARG, LIT, FAM, SGF, MEM
	ESTEE-POCKET CITY	ARG, CSX, FAM, PXV, ENL, MEM, STL, BWG, TTH, BNA
Q29	HARES-BAKRE	AEX, EIC, ELD, LIT, MEM, MHZ, SQS, SWB, TXK
	BAKRE-MEMPHIS	ARG, ELD, LIT, MEM, MHZ, SQS
	MEMPHIS-OMDUE	ARG, BNA, FAM, LIT, MEM, PXV, SQS
	OMDUE-SIDAE	ARG, BNA, BWG, ENL, FAM, IIU, MEM, PXV
	SIDAE-CREEP	APE, BNA, BWG, ENL, FLM, FWA, IIU, OKK, PXV, ROD, TTH, VHP
	CREEP-KLYNE	PAE, CRL, DJB, DXO, FLM, FWA, IIU, OKK, ROD, VHP
	KLYNE-DUTSH	APE, CRL, CXR, DJB, DXO, FWA
	DUTSH-WWSHR	APE, CRL, CXR, DJB, DXO, EWC
	WWSHR-DORET	APE, CRL, CXR, DJB, DXO, EWC
	DORET-JAMESTOWN	BUF, CXR, DJB, DKK, DXO, ETG, EWC, JHW, PSB, SLT
	JAMESTOWN-HANKK	BFD, BUF, DKK, ELZ, ETG, EWC, GEE, HNK, JHW, PSB, ROC, SLT, SYR, TDT
	HANKK-GONZZ	BUF, DKK, GEE, HNK, HUO, ITH, JHW, MSS, ROC, SLT, SYR
	GONZZ-KRAZZ	BUF, GFL, GGT, HNK, HUO, MSS, PUT, SYR
	KRAZZ-NIPPY	GFL, HNK, HUO, MSS, PUT, SYR
	NIPPY-CABCI	BGR, BTV, ENE, GFL, MPV, MSS, PUT
	CABCI-EBONY	AUG, BGR, ENE, MLT, MPV, MSS, PNN, PQI
Q30	EBONY-DUNOM	BGR, MLT, PNN
	DUNOM-US CANADIAN BORDER	BGR, MLT, PNN
	SIDON-VULCAN	GLH, MEM, VUZ, JAN, JYU, MEI, MGM, SQS, RMG
	DHART-JODOX	SQS, LIT, TXK
	JODOX-MARVELL	SQS, LIT, ELD, MEM, ARG
	MARVELL-TIIDE	ARG, BWG, PXV, FAM, LIT, MEM, ENL, TTH
	TIIDE-POCKET CITY	BWG, PXV, ENL, TTH
	EL DORADO-GAGLE	AEX, JAN, MEM, SQS, SWB, ELD, LIT, TXK
	GAGLE-CRAMM	JAN, SQS, MEM, ARG, VUZ, BNA, LIT
	CRAMM-NASHVILLE	BWG, MEM, VUZ, BNA, GQO
	NASHVILLE-SWAPP	BWG, IIU, PXV, VXV, BNA, GQO
	DHART-LITTLE ROCK	AEX, ELD, LIT, TXK, SWB, ARG, MEM, SQS
	LITTLE ROCK-PROWL	ELD, SGF, FAM, LIT, ARG, MEM, RZC, CSX, STL
	TEXARKANA-MATIE	LIT, SWB, TXK, BYP, EIC, ELD, SQS
	MATIE-MEMPHIS	LIT, ARG, MEM, ELD, SQS
	MEMPHIS-SWAPP	BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV
Q35	DRAKE-CORKR	TFD, INW, GCN, FLG, PGS, DRK, BLD, BCE, TBC
	CORKR-WINEN	DRK, INW, PGS, TBC, MLF, ILC, BLD, BCE, CDC
	WINEN-NEERO	BCE, MLF, CDC, ELY, DTA, ILC, BVL, REO, BAM, SDO, BQU
	NEERO-KOATA	REO, LKV, BOI, PDT, BAM, IMB, DSD
Q36	KOATA-KIMBERLY	LKV, REO, PDT, DSD, LTJ
	RAZORBACK-TWITS	RZC, MEM, SGF, BUM, TUL, EOS, FAM, ARG, LIT
	TWITS-DEPEC	MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU
	DEPEC-NASHVILLE	GQO, BWG, BNA, PXV, IIU
Q37	NASHVILLE-SWAPP	VXV, BWG, BNA, GQO, PXV, IIU
	FORT STOCKTON-CAVRN	SJT, ELP, INK, CME, FST
	CAVRN-YORUB	TXO, ELP, CME, INK, FST, SJT
	YORUB-IMMAS	CME, ABQ, TXO, ACH, FTI, CNX, TCC, CIM, INK
Q38	IMMAS-PUEBLO	FTI, CIM, ALS, PUB, LAA, HGO, FQF, DVV, DEN, BVR, BJC, AKO, ACH, TCC, TXO, CNX
	ROKIT-INCIN	DAS, LCH, SWB, IAH, LFK, HUB, AEX
	INCIN-LAREY	JAN, MCB, SWB, AEX
Q39	LAREY-BESOM	JAN, JYU, MEI, SQS, VUZ
	CLAWD-WISTA	AIR, BKW, GSO, HNN, HVQ, PSK, RDU, SPA

Route	Segment	DME
Q40	ALEXANDRIA-DOOMS	LCH, SWB, AEX, MCB, HEL
	DOOMS-WINAP	JAN, SWB, AEX, MCB, HEZ
	WINAP-MISLE	JAN, SQS, MEI, MCB
	MISLE-BFOLO	LDK, VUL, OKW, MEL, JYU
	BFOLO-NIOLA	LGC, VUZ, GOO, RMG, GAD
	NIOLA-JAARE	ATL, ODF, GOO, RMG, VXV
	JAARE-OJESS	SPZ, ODF, GOO, SOT, VXV
	OJESS-ALEAN	SPA, ODF, HMV, SOT, VXV
	ALEAN-FEEDS	BLF, BKW, HMV, GZG, GSO
	FEEDS-MAULS	BLF, BKW, LWB, ROA, GSO
	MAULS-FANPO	FAK, RIC, MOL, GVE, CSN
Q42	KIRKSVILLE-STRUK	CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX
	STRUK-DANVILLE	ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, ENL, OKK, OBK, GIJ, FWA, GSH, IRK
	DANVILLE-MUNCIE	GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, ROD, FLM
	MUNCIE-HIDON	FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB, DXO, HNN, AIR, HVQ, CXR, EWC
	HIDON-BUBAA	AIR, APE, HNN, CXR, HVQ, EWC, DJB
	BUBAA-PSYKO	AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB
	PSYKO-BRANAN	PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT
	BRNAN-HOTEE	SLT, PSB, THS, ETG, RAV, THS, HAR, SEG, LRP, EMI
	HOTEE-MIKYG	RAV PSB LRP EMI RBV PTW HNK HUO SIE HNK SAX
	MIKYG-SPOTZ	FJC SIE CYN LRP SAX JFK PTW ETX EMI
	SPOTZ-ZIMMZ	BWZ SAX CYN ETX HNK
Q50	LOUISVILLE-HELUB	HYK, FLM, IIU, ABB, EWO, BWG
	HELUB-ENGRA	HYK, FLM, IIU, LOZ, BWG, VXV
	ENGRA-IBATE	HYK, FLM, IIU, LOZ, AZO, VXV
Q52	IBATE-CUBIM	AZQ, FLM, IIU, LOZ, VXV
	CHOPZ-IPTAY	ODF, RMG, MCN, AHN, IRQ
	IPTAY-AWYAT	IRQ, CLT, SPA, GRD, CAE
Q54	AWYAT-COLZI	BZM, RDU, SPA, PSK, GSO
	GREENWOOD-NYLLA	IRQ, SPA, CAE, GRD, ELW, FLO, ODF
	NYLLA-CHYPS	CAE, IRQ, GRD, SPA, CLT, CTF, FLO, GSO
Q56	CHYPS-AHOEY	CAE, SPA, GSO, CLT, RDU, FLO
	AHOEY-RAANE	SPA, FLO, GSO, RDU, SDZ, CTF
	RAANE-NUTZE	ILM, SDZ, RDU, TYI, FLO, LIB, ORF, GSO, ISO, FAY
Q58	CATLN-KBLER	ATL, CEW, GRD, JYU, LGC, MCN, MEL, MGM, MVC, ODF, PDK, PZD, RMG, SJI, TGE, VUZ
	KBLER-KELLN	AHN, ATL, CAE, ELW, GRD, IRQ, MCN, ODF, RMG, SPA
	KELLN-KTOWN	CAE, CLT, FLO, GRD, GSO, IRQ, ODF, SPA
	KTOWN-BYSCO	CAE, CLT, FLO, GRD, GSO, LIB, PSK, RDU, SPA
	BYSCO-JOOLI	FLO, GSO, LIB, PSK, RDU
	JOOLI-NUUMN	FAK, GSO, LIB, PSK, RDU, SBV
	NUUMN-ORACL	FAK, GSO, GVE, LIB, PSK, RDU, RIC, SBV
	ORACL-KIWII	FAK, GSO, GVE, RDU, RIC, SBV
	KELLN-GLOVR	FLO, GRD, GSO, ODF, CAE, CLT, SPA, ELW, IRQ, RDU, ODF, LIB
	GLOVR-LUMAY	FLO, GSO, RDU, LIB, CLT, SPA, SDZ
	LUMAY-STUKI	FLO, GSO, RDU, LIB, SDZ, PSK
	STUKI-PEETT	FAK, PSK, GSO, RDU, RIC, LIB, SBV, GVE
Q60	SPARTANBURG-BYJAC	GRD, RDU, SUG, CLT, GSO, ODF, PSK, CAE, SPA, LIB, BZM, IRQ
	BYJAC-EVING	RDU, GSO, PSK, LIB
	EVING-LOOEY	RDU, GSO, PSK, GVE, SBV, FAK, LIB
	LOOEY-JAXSN	RDU, GSO, RIC, PSK, GVE, SBV, FAK

Route	Segment	DME
Q62	WATSN-DAIFE	OKK, OXL, BVT, GIJ, GRR, GSH, FWA
	DAIFE-NOLNN	GSH, BVT, OKK, OXI, ROD, CRL, FWA, GIJ, DXO, GRR, PMM
	NOLNN-WEEVR	DXO, GIJ, DJB, ROD, FWA
	WEEVR-PSKUR	APE, VWV, DJB, ROD, CRL, GSH, SKY, DXO, CXR, DJB, MFD
	PSKUR-FAALS	CRL CXR DJB SKY APE DXO EWC MFD AIR ACO BSV YNG ACO
	FAALS-ALEE	YNG ACO EWC DJB AIR
	ALEE-QUARM	CXR JHW EWC DJB AIR ETG CIP PSB MMJ
	QUARM-BURNI	PSB JHW TON JST EWC PSB SLT REC ETG
	BURNI-MCMAN	SEG ETG TON SLT EMI
	MCMAN-VALLO	SEG, PSB, TON, SLT, EMI
	VALLO-RAVINE	SEG MIP RAV SLT EMI HAR ETG PSB
	RAVINE-SUZIE	SAX, EMI, RBV, MIP, PSB, LRP, ETG, PTW
	SUZIE-SARAA	LRP, SIE, SAX, PTW, ETX
		GZG VXV AZQ BKW HVQ
Q63	DOOG- HAPKI	HVQ VXV AZQ FLM HNN
	HAPKI-TONIO	HYK IIU CVG FLM
	TONIO-OCASE	ROD IIU CVG RID VHP
Q64	CATLN-FIGEY	AHN, ATL, CAE, CEW, CSG, ELW, GRD, IRQ, JYU, LGC, MCN, MEL, MGM, MVC, ODF, PZD, RMG, SJI, SPA, TGE
		AHN, CAE, ELW, GRD, IRQ, MCN, ODF, SPA
	FIGEY-GREENWOOD	CAE, CLT, ELW, FLO, GRD, GSO, IRQ, ODF, SPA
	GREENWOOD-DARRL	CAE, CLT, CTF, FLO, GRD, GSO, IRQ, LIB, RDU, SDZ, SPA
	DARRL-IDDA	CTF, FAK, FAY, FLO, GSO, ILM, LIB, ORF, RDU, RIC, SDZ, SPA, TYI
	IDDA-TAR RIVER	DBN IRQ MCN OTK PZD
	Q65	ODF GRD HRS VXV RMG
	JEFOI-CESKI	ODF GGO HRS VXV RMG
	CESKI-DAREE	BWG, IIU, LOZ, VXV, FLM
	DAREE-LORNN	BWG IIU LOZ HYK FLM
Q66	LORNN-SOGEE	CVG IIU FLM HYK
	SOGEE-ENGRA	FWA DQN FLM ROD APE
	ENGRA-OCASE	ELD, PBF, ARG, MEM
	OCASE-ROSEWOOD	GOE, UJM, LIT, ARG, MEM
	Q66	SOS, HLI, VUZ, BNA, MEM
	LITTLE ROCK-CIVKI	VXV, SYI, GOO, BNA, BWG
	CIVKI-RICKX	VXV, LVT, GOO, HCH, BWG
	RICKX-TROVE	VXV, LVT, GOO, HCH, BNA
	TROVE-BAZOO	VXV, FLM, GOO, HCH, BWG
	BAZOO-METWO	VXV, FLM, IIU
Q67	METWO-MXEEN	VXV, FLM, IIU, HVQ
	MXEEN-ALEAN	BKW, HNN, HVQ
	Q67	BKW, FLM, HNN, HVQ, VXV
	SMTH-CEMEX	AIR, APE, BKW, CXR, DJB, FLM, HNN, HVQ, ROD
	CEMEX-IBATE	FLM, HNN, BKW, HVO, AIR, PSK, EKN
	IBATE-TONIO	AIR, HNN, EKN, HVO, BKW, PSK, GVE
Q68	TONIO-JONEN	AIR, GVE, EKN, HVO, BKW, CSN, HNN, PSK
	JONEN-COLTZ	CSN, GVE, FAK, ESL, LDN, BKW, EKN, HVO
	Q68	CSN, EMI, FAK, ESL, LDN, GVE, RIC, AML, BKW, EKN
	CHARLESTON-TOMCA	LDN, EMI, GVE, ESL, RIC, CSN, AML
	TOMCA-RONZZ	CHS, GRD, CLT, BZM, FLO, SPA, GSO, CAE, CTF, RDU, BKW, VAN, IRQ, PSK
	RONZZ-HHOLZ	ROA, GSO, RDU, BKW, PSK
Q69	HHOLZ-HAMME	ROA, GSO, LWB, PSK, BKW, HVQ, RDU
	HAMME-CAPOE	ROA, PSK, LWB, GVE, HNN, BKW, EKN, HVQ, GSO
	CAPOE-OTTTO	AIR, HVQ, HNN, PSK, BKW, GVE
	Q69	BLD, BTY, EED, LAS
	BLAAN-RYCKI	BLD, EED, LAS, PGS
	RYCKI-LUNDD	BLD, ILC, EED, LAS, PGS
Q70	LUNDD-ILLSA	BLD, ILC, CDC, LAS, PGS, MLF
	ILLSA-EWESS	BLD, ILC, CDC, MLF, PGS
	EWESS-RICCS	BCE, ILC, MLF
	Q70	FFU, DVC, BCE, ILC, DTA, HVE, JNC, PUC, MTU
	HAILO-LAS VEGAS	
	LAS VEGAS-IFEYE	
	IFEYE-BLIPP	
	BLIPP-EEVUN	
	EEVUN-BLOBB	
	BLOBB-BAWER	
	BAWER-SAKES	

Route	Segment	DME
Q71	BOBBD-ATUME	FLM, AZO, BKW, VXV
	ATUME-HAPKI	FLM, AZO, BKW, VXV, HVQ
	HAPKI-KONGO	HNN, AZO, BKW, GZG, HVQ
	KONGO-WISTA	HNN, HVQ, BKW, PSK
	WISTA-GEFFS	HNN, HVQ, BKW, AIR
	GEFFS-EMNEM	AIR, BKW, EWC, HNN, HVQ
	EMNEM-PSYKO	AIR, ETG, EWC, PSB, SLT
	PSYKO-PHILIPSBURG	AIR, EMI, ETG, EWC, JHW, PSB, SLT
Q72	HACKS-GEQUE	AIR, CKB, APE, HVQ, JPU, EKN, BKW, HNN, MGW
	GEQUE-BENSH	AIR, EKN, MGW, HVQ, CKB, ESL, CSN, GVE, LDN, EMI, HNN, BKW
	BENSH-RAMAY	AML, EMI, GVE, MRB, CSN, MGW, ESL, AIR, LDN, EK
Q73	All segments	GNSS required
Q74	NATEE-BOULDER CITY	PGS, BLD, EED, LAS
	BOULDER CITY-ZAINY	ILC, BCE, PGS, BLD, EED, LAS
	ZAINY-FIZZL	ILC, BCE, PGS, BLD, CDC, LAS, MLF
	FIZZL-GARDD	BCE, PGS, BLD, MLF, TBC
	GARDD-DEANN	BCE, PGS, HVE, TBC
Q78	MARUE-DUGGN	BLD, DRK, EED, LAS, PGS, PKE, TBC
	DUGGN-TOADD	ZUN, BCE, BLD, DRK, FLG, INW, LAS, PGS TBC, PKE
Q80	FAREV-JEDER	BWG, IIU, FLM, VXV, LOZ, HYK
	JEDER-ENGRA	HYK, IIU, FLM, VXV, LOZ, AZQ, BWG
	ENGRA-DEWAK	HVQ, IIU, FLM, AZQ, HNN, ECB, BKW, LOZ, VXV, HYK
	DEWAK-CEGMA	ECB, BKW, FLM, AZQ, HNN, HVQ
	CEGMA-JONEN	ECB, BKW, AZQ, HNN, FLM, HVQ
	JONEN-BULVE	ECB, HVQ, FLM, BKW, HNN, AZQ
	BULVE-WISTA	ECB, HVQ, BKW, HNN, FLM
	WISTA-LEVII	HNN, HVQ, FLM, BKM, PSK, AIR, EKN
	LEVII-RONZZ	HNN, HVQ, AIR, EKN, PSK, BKW, FLM, GVE
	RONZZ-HHOLZ	GVE, HVQ, AIR, EKN, BKW, CSN, PSK, HNN
	HHOLZ-HAMME	GVE, ESL, CSN, EKN, BKW, FAK, LDN, HVQ, AIR
	HAMME-CAPOE	EMI, ESL, CSN, FAK, LDN, GVE, RIC, AML, BKW, EKN
	CAPOE-OTTO	LDN, EMI, GVE, ESL, RIC, CSN, AML
Q82	WWSHR-DORET	AIR, APE, CRL, CXR DJB, DKK, DXO, EWC JHW, SLT
	DORET-JAMESTOWN	BUF, CXR, DJB, DKK ETG, EWC, JHW, PSB, SLT
	JAMESTOWN-WAYLA	BUF, CXR, DKK, ETG, EWC JHW, PSB, SLT, SYR
	WAYLA-VIEEW	BUF, DKK, ETG, HNK JHW, PSB, SLT, SYR
	VIEEW-MEMMS	BUF, ETG, HNK, JHW SAX, SLT, SYR
	MEMMS-LOXXE	HNK, HUO, SAX, SLT, SYR
	LOXXE-PONCT	HNK, HUO, SAX, SLT, SYR
Q84	JAMESTOWN-AUDIL	BUF, DKK, ETG, EWC, HNK, JHW, MSS, PSB, SAX, SLT, SYR
	AUDIL-PUPPY	BUF, HNK, MSS, SAX, SYR
	PUPPY-PAYGE	HNK, MSS, PUT, SAX, SYR
	PAYGE-CAMBRIDGE	HNK, MSS, PUT, SAX, SYR
Q86	TTRUE-YORRK	BLD, BLH, EED, IPL, PKE
	YORRK-SCHLS	BLD, DRK, EED, PGS, PKE
	SCHLS-CUTRO	BLD, DRK, EED, PGS, TBC
	CUTRO-VALEQ	DRK, INW, PGS, TBC
	VALEQ-PLNDL	DRK, INW, PGS, TBC
Q88	HAKMN-ZZYX	PGS, BLD, EED, LAS
	ZZYX-LAKRR	PGS, BLD, EED, LAS, PKE
	LAKRR-NOOTN	PGS, ILC, BCE, BLD, CDC, EED, LAS, PKE
	NOOTN-GARDD	PGS, ILC, BCE, BLD, LAS, MLF, TBC
	GARDD-VERKN	PGS, BCE, BLD, HVE, MLF, TBC
	VERKN-PROMT	BCE, HVE, TBC
	PROMT-CHESZ	PUC, JNC, BCE, DVC, HVE, TBC
Q90	DNERO-ESGEE	BLD, EED, LAS, PGS, PKE
	ESGEE-AREAF	BLD, BLH, DRK, LAS, PGS, PKE, EED
	AREAF-JASSE	FLG, BCE, BLD, DRK, INW, PGS, TBC

Route	Segment	DME
Q94	WELUM-MNGGO	PGS, DRK, BLD, EED, LAS, PKE
	MNGGO-ROOLL	PGS, DRK, BCE, FLG, LAS, TBC, PKE, BLD
Q96	PURSE-DODDL	BLD, EED, LAS
	DODDL-BFUNE	BLD, EED, LAS, PGS, PKE
	BFUNE-GUNTR	ILC, BLD, EED, LAS, PGS, PKE
	GUNTR-PIIXR	ILC, BLD, CDC, LAS, PGS
	PIIXR-FIZZL	ILC, BLD, CDC, LAS, MLF, PGS
	FIZZL-BAWER	BCE, ILC, BLD, MLF, PGS
	BAWER-ROCCY	BCE, ILC, DTA, HVE
	ROCCY-SARAF	BCE, ILC, DTA, HVE, PUC
	SARAF-KIMMR	BCE, HVE, JNC, MTU, PUC
Q98	HAKMN-ZZYZX	PSG, BLD, EED, LAS
	ZZYZX-LAKRR	PGS, BLD, EED, LAS, PKE
	LAKRR-DUZIT	PGS, BCE, BLD, EED, LAS, PKE
	DUZIT-EEEZY	PGS, BCE, BLD, DRK, LAS, TBC, HVE
	EEEZY-PEEWE	DVC, PGS, BCE, DRK, HVE, TBC, BLD
Q103	PULASKI-ASBUR	GSO, GVE, HNN, HVO, PSK
	ASBUR-OAKLE	BKW, HNN, HVO, PSK
	OAKLE-PERRI	BKW, HNN, HVO, PSK
	PERRI-PERKS	AIR, BKW, HNN, HVO, PSK
	PERKS-RICCS	AIR, BKW, HNN, HVO
	RICCS-EMNEM	AIR, APE, BKW, EWC, HNN, HVQ
	EMNEM-AIRRA	AIR, APE, CXR, DKK, ETG, EWC, HNN, JHW, PSB
Q104	DEFUN-HEVVN	PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG
	HEVVN-PLYER	PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD
	PLYER-SWABE	PIE, ORL, OMN, SRQ, TAY
	SWABE-ST PETERSBURG	LAL, ORL, OMN, SRQ, PHK, PIE
	ST PETERSBURG-CYPRESS	PHK, PBI, SRQ, PIE VRB, ORL, FLL, LAL, OMN
Q106	SMELZ-BULZI	LAL, ORL, OMN, PHK, PIE, CRG, VRB, TAY, OTK, PZD, AMG, SZW
	BULZI-DRABK	AMG, PZD, TAY, CRG, SZW, MGM, OTK, JYU, CEW, SJI
	DRABK-GADAY	MGM, PZD, OTK, JYU, SZW, CEW, SJI
Q108	GADAY-HKUNA	CEW, JYU, MGM, SZW, RRS, PZD, MAI, OTK, GEF, MGR, TAY, AMG, GRG
Q110	BLANS-BETIE	BNA, BWG, CNG, ENL, FAM, GHM, MWA, PXV
	BETIE-BFOLO	BNA, BWG, DCU, GHM, GQO, JKS, MSL, RMG, ROZ, VUZ
	BFOLO-JYROD	ATL, GAD, GQO, JYU, LGC, MGM, RMG, TDG, VUZ
	JYROD-FEONA	ATL, CSG, EUF, JYU, LGC, MCN, MGM, OTK, PZD, RMG, SZW, TGE, VUZ
	FEONA-GULFR	AMG, EUF, GEF, LGC, MCN, MGM, MGR, OTK, PZD, SZW, TAY
	GULFR-BRUTS	AMG, CRG, CTY, GEF, OTK, PIE, PZD, SZW, TAY
	BRUTS-KPASA	CRG, CTY, LAL, OCF, OMN, ORL, OTK, PIE, SRO, SZW, TAY, TRV
	KPASA-RVERO	DHP, FLL, LAL, LBV, OMN, ORL, PBI, PHK, PIE, SRO, TRV
	RVERO-JAYMC	DHP, FLL, LAL, LBV, ORL, PBI, PHK, PIE, RSW, SRO, TRV
	JAYMC-THNDR	DHP, FLL, LAL, LBV, ORL, PBI, PHK, RSW, SRO, TRV, VKZ, ZBV
Q112	INPIN-HEVVN	JYU, PZD, CEW, SZW, MGM, OTK, TAY, AMG, PIE, CRG
	HEVVN-DEFUN	PIE, OTK, CRG, OMN, LAL, SZW, SRQ, ORL, VRB
Q114	NATEE-BOULDER CITY	PGS, BLD, EED, LAS
	BOULDER CITY-ZAINY	PGS, ILC, BLD, EED, LAS
	ZAINY-AHOWW	PGS, ILC, BLD, CDC, LAS, MLF
	AHOWW-BAWER	PGS, ILC, BCE, DTA, HVE, MLF, TBC
	BAWER-BUGGG	ILC, BCE, DTA, DVC, HVE, JNC, MTJ, MTU, PUC, TBC
Q116	KPASA-BRUTS	SRQ, VRB, ORL, PHK, TAY, PIE, OMN, OTK, LAL, CRG, SZW, AMG
	BRUTS-GULFR	OMN, AMG, CRG, TAY, LAL, PZD, SZW, OTK
	GULFR-CEEYA	MCN, AMG, PZD, OTK, SZW, TAY

Route	Segment	DME
Q118	MARION-HEVAN	BVT, CVG, FLA, FWA, GIJ, GSH, IIU, MZZ, OKK, OXI, RID, ROD, SHB, TTH, VHP
	HEVAN-VOSTK	BWG, CVG, FLM, FWA, HYK, IIU, OKK, RID, ROD, TTH
	VOSTK-HELUB	BWG, CVG, FLM, HYK, IIU, LOZ, VXV
	HELUB-JEDER	BWG, CVG, FLM, HYK, IIU, LOZ, LVT, VXV
	JEDER-GLAZR	BNA, BWG, FLM, GGO, HCH, HYK, IIU, LOZ, LVT, VXV
	GLAZR-KAILL	BNA, BWG, GGO, HCH, HRS, LGC, LVT, MCN, ODF, PDK, RMG, VXV
	KAILL-JOHNN	AMG, ATL, GGO, LGC, MCN, MGR, ODF, OTK, PDK, PZD, RMG, SZW, TAY, VNA
	JOHNN-BRUTS	AMG, CRG, CTY, GEF, MCN, MGR, OMN, OTK, PIE, PZD, SZW, TAY
	BRUTS-KPASA	CRG, CTY, LAL, OCF, OMN, ORL, OTK, PIE, SRQ, SZW, TAY, TRV
Q120	ORRCA-BETBE	CZQ, ECA, ENI, FMG, HZN, LIN, LLC, MOD, MVA, OAK, PYE, RBL, SAC, SDO
	BETBE-ZORUN	FMG, HNZ, MVA, SDO
	ZORUN-GALLI	BAM, FMG, HZN, MVA, SDO
	GALLI-JAJAY	BAM, FMG, LLC, MVA, REO
	JAJAY-TRAKY	BAM, BQU, BVL, ELY, LCU, LLC, MLD, MVA, TWF
	TRAKY-PROXI	BVL, ELY, IDA, LCU, MLD, PIH, TCH
	PROXI-BIG PINEY	BOY, BPI, BVL, DBS, IDA, LCU, MLD, OCS, PIH, TCH
	BIG PINEY-JUGIV	BOY, BPI, CZI, DDY, OCS
	JUGIV-HIKOX	BOY, BPI, CZI, DDY, OCS
	HIKOX-JASTI	ABR, ANW, BOY, CKW, CZI, DDY, DPR, GCC, ONL, PHP, RAP, TST
	JASTI-UFFDA	ABR, ANW, BRD, DPR, FSD, GEP, ONL, PHP, RAP, RWF
Q121	PARZZ-POCATELLO	LCU, DBS, PIH, MLD, TCH, IDA, BVL, BAM
	POCATELLO-TOUGH	GCC, MLS, DIK, BIL, CZI, BOY, DBS, BPI, IDA, DNW, PIH, JAC, MLD, TCH, LCU
Q122	MOGEE-MACUS	LIN, OAK, ECA, PYE, HNW, MOD, SAC, SWR, FMG, HZN, LLC, MVA
	MACUS-MCORD	LLC, BAM, FMG, MVA, SDO, HZN
	MCORD-LUCIN	BVL, TCH, PIH, LCU, ELY, MLD, TWF, SDO, BAM, MVA, BQU, FMG, LLC
	LUCIN-BEARR	PIH, TCH, BVL, MLD, FFU, LCU, IDA
	BEARR-KURSE	PIH, TCH, BVL, LCU, MLD, OCS, BPI, CKW, MTU, BOY, CHE, RLG, CYS, BFF, CZI, DDY, GLL
	KURSE-O'NEILL	BFF, CYS, CDR, SNY, AIA, HCT, ONL, TDD, OBH, CUZ, FSD
	O'NEILL-FORT DODGE	YKN, OBH, ONL, OFK, FSD, SUX, FOD, OVR, SPW, MCW, DSM
Q123	PARZZ-COKEE	BIL, MLS, GGW, LWT, HLN, HIA, BZN, DBS, IDA, LKT, PIH, MLD, LCU, BOI, BAM, BVL
Q124	MOGEE-MACUS	LIN, OAK, ECA, PYE, HNW, MOD, SAC, SWR, FMG, HZN, LLC, MVA, BAM
	MACUS-MCORD	FMG, LLC, BAM, MVA, HZN, SDO
	MCORD-SLOWN	BQU, SDO, BAM, MVA, FMG, LLC, HZN
	SLOWN-FASTE	BQU, SDO, BAM, BVL, TWF, LCU, ELY, FFU, DTA
	FASTE-BONNEVILLE	TCH, FFU, LCU, DTA, BVL, ELY
	BONNEVILLE-WAATS	TCH, OGD, LCU, DTA, BVL, FFU
Q125	PARZZ-WLLES	GTf, LWT, CTB, HLN, BZN, DLN, HIA, IDA, LKT, DBS, PIH, MLD, LCU, BVL, BOI, BAM
Q126	TIPRE-INSLO	MOD, PYE, ECA, ENI, SAC, LIN, CZQ, OAK, FMG, HZN, MVA, LLC, TPH, OAL
	INSLO-GAROT	CDC, DTA, BVL, FFU, MLF, ILC, ELY, BQU, MVA, OAL, TPH, HZN, LLC
	GAROT-MEEKER	BVL, DTA, FFU, TCH, HVE, PUC, MTU, VEL, EKR, JNC, RIL
Q128	SYRAH-JSICA	CZQ, ECA, LIN, LLC, MOD, MVA, OAK, OAL, PYE, SAC, TPH.
	JSICA-TABLL	MVA, OAL, TPH, ILC, CDC, DTA, ELY, MLF, BCE, HVE, PIC, JNC, DVC, MTJ, MTU
	TABLL-EDLES	BCE, CDC, DTA, DVC, FFU, HVE, ILC, JNC, MLF, MTJ, MTU, PUC.
	EDLES-FLOOD	JNC, PUC, HVE, MTU, DVC, HBU, MTJ, RSK, EKR, ETL, ALS, RLG, FQF, HGO, PUB, BJC, LAA
	FLOOD-ZAROS	AKO, BJC, DEN, FCS, FQF, DVV, GCK, GLD, HGO, LAA, LBL, PUB.
	ZAROS-VEGUC	EOS, GCK, GLD, HLC, ICT, IFI, LAA, LBL, MMB, OKM, PER, PUB, TUL
	VEGUC-VLUST	EOS, ICT, OKM, PER, RZC, SGF, TUL.
	VLUST-ECIGE	ARG, EOS, LIT, OKM, RZC, SGF, SQS, TUL.
	ECIGE-MUDHO	ARG, LIT, MEM, SQS.
	MUDHO-JILLS	ARG, JYU, MEI, MEM, MGM, MHZ, SQS, VUZ.
Q130	SYRAH-JSICA	CZQ, ENI, FMG, LIN, MOD, MVA, OAK, OAL, PYE, SAC, TPH
	JSICA-REANA	BLD, CDC, DTA, ELY, ILC, MLF, MVA, OAL, TPH
	REANA-ROCCY	BCE, CDC, DTA, MLF, HVE, TBC, PUC, ILC
	ROCCY-HASSL	BCE, DTA, DVC, HVE, PUC, TBC
	HASSL-TAHIB	BCE, DVC, GUP, HVE, RSK, TBC
	TAHIB-DIXAN	ABQ, ACH, ALS, DVC, FTI, GUP, RSK
	DIXAN-MIRME	ABQ, ACH, CIM, FTI, TCC, TXO
	MIRME-PANHANDLE	ACH, CIM, LBL, PNH, TCC, TXO

Route	Segment	DME
Q132	WEBGO-ANAHO	LLC, HZN, FMG, SAC, SWR, LIN
	ANAHO-MYBAD	LLC, HZN, FMG, SDO
	MYBAD-ZERAM	LLC, BAM, REO, MVA, SDO
	ZERAM-MAGPY	LLC, SDO, BAM, REO, MVA, FMG
Q134	DUGLE-TATOO	MOD, SAC, CZQ, ECA, LIN, OAL, MVA, TPH, LLC
	TATOO-JULIK	MVA, OAL, TPH, ILC, DTA, BVL, CDC, ELY, MLF, BCE, HCE
	JULIK-HERSH	BCE, MLF, DTA, HVE, CDC, TCH, PUC, MTU
	HERSH-VOAXA	HVE, PUC, MTU, JNC, MTJ, EKR, RIL, DBL, RLG, FQF
Q136	COALDALE-RUMPS	TPH, MVA, OAL
	RUMPS-KATTS	TPH, MVA, OAL, HZN, ILC
	KATTS-WEEMN	TPH, MVA, CDC, DTA, ILC, ELY, MLF, BVL, BCE, FFU, HVE, MTU, PUC, JNC, DVC, MTJ
	WEEMN-VOAXA	HVE, PUC, MTU, MTJ, JNC, EKR, RIL, DBL, RLG, FQF
Q138	WILLIAMS-FIMUV	ENI, RBL, MXW, PYE, ECA, ILA, LIN, SAC, FMG, SWR, HZN
	FIMUV-JENSA	FMG, RBL, HZN, LIN, SAC, LLC
	JENSA-PUHGI	HZN, BAM, FMG, MVA, SDO, LLC
	PUHGI-ROOHZ	REO, LLC, BAM, SDO, BQU
	ROOHZ-PARZZ	PIH, BVL, LCU, BAM, BQU, REO, SDO, LLC
	PARZZ-UROCO	BOY, MLD, IDA, DBS, BPI, PIH, BVL, TCH, LCU, BAM
	UROCO-RICCO	CZI, DDY, BOY, RLY, COD, BPI, DA, DBS, MLD
	RICCO-MOTLY	DIK, GCC, RAP, DPR, CZI, DDY, BOY, SHR
	MOTLY-DKOTA	ABR, DIK, DPR, FAR, FSD, GCC, RAP, RWF
	DKOTA-WELOK	ABR, BRD, DLH, FAR, GEP, FSD, RWF
	WELOK-CESNA	BRD, DLH, FAR, FGT, GEP, ODI, RWF
	CESNA-GUUME	BRD, DLH, FGT, GEP, ODI
	GUUME-SNARG	BRD, DLH, DLL, FGT, GEP, ODI
	SNARG-SAUT STE MARIE	ASP, BRD, DLH, DLL, FGT, GEP, GRB, ODI, SAW, SSM, TVC
Q140	WOBED-GETNG	HUH, SEA, OLM, EPH, MWH
	GETNG-CORDU	GEG, EPH, PUW, MWH
	CORDU-PETIY	MLP, GEG, PUW, MSO
	PETIY-CHOTE	CTB, MSO, MLN, GTF
	CHOTE-LEWIT	GTF, CTB, LWT, BZN
	LEWIT-SAYOR	LWT, GGW, MLS, BIL
	SAYOR-WILTIN	DIK, BIS, MOT, ISN
	WILTIN-TTAIL	DVL, JMS, GFK, PKD
	TTAIL-CESNA	BRD, AXN, PKD, GEP, FGT, DLH
	CESNA-WISCN	BAE, BRD, DLH, DLL, FGT, GEP, GRB, ODI
	WISCN-EEGEE	ODI, DLL, BAE, GRB, SAW
	EEGEE-DAYYY	ASP, BAE, DLL, DXO, FNT, GRB, VIO, ODI, PMM, SAW, SSM, TVC
	DAYYY-US CANADIAN BORDER	ASP, DXO, FNT, SSM, TVC
	AHPAH-HANKK	BUF, DKK, ETG, HNK, JHW, SLT, SYR
	HANKK-BEEPS	BUF, DKK, HNK, SLT, SYR
	BEEPS-EXTOL	BUF, HNK, SLT, SYR
	EXTOL-MEMMS	BUF, HNK, SLT, SYR
	MEMMS-KODEY	HNK, HUO, SAX, SLT, SYR
	KODEY-ARKKK	HNK, HUO, SAX, SLT, SYR
	ARKKK-RODYY	HNK, HUO, JFK, SAX, SLT, SYR
	RODYY-YODAA	HNK, HTO, HUO, JFK, RBV, SAX
Q142	METOW-MULLAN PASS	EPH, GEG, MWH, SEA, PUW, MQG, MLP
	MULLAN PASS-KEETA	FCA, LKT, CTB, PUW, MQG, MLP
	KEETA-OKVUJ	CTB, HLN, GTF, BZN, LWT, HIA, DLN
	OKVUJ-KIXCO	BIL, MLS, GGW, DIK
Q144	ZIRAN-ZOOMR	OLM, PSC, PDT, GEG, EPH, SEA, MWH
	ZOOMR-BLOWS	PUW, MQG, MLP, FCA
	BLOWS-KEETA	FCA, CTB, HLN, CPN, LKT
	KEETA-LEWIT	HLN, GTF, CTB, HVR, LWT, BZN
Q145	KONGO-CHARLESTON	BKW, FLN, HNN, HVQ, PSK
	CHARLESTON-CLNTN	AIR, APE, BKW, EWC, FLN, HNN, HVQ
	CLNTN-FOXEE	AIR, APE, CXR, DJB, DKK, EWC, HNN, HVQ, JHW

Route	Segment	DME
Q146	CASHS-BLUNT	GEG, MWH, EPH, LTJ, SEA, OLM
	BLUNT-DIPHU	MLP, FCA, PUW
	DIPHU-CUSDA	DLN, HLN, HIA
	CUSDA-ZERZO	BZN, HLN, GFT, HIA
	ZERZO-KIXCO	BIL, MLS, GGW, LWT, ISN
	KIXCO-TIMMR	ISN, DIK, DPR, ABR, MOT
	TIMMR-SMERF	FAR, JMS, GFK, HON, RWF, ATY
	SMERF-HUFFR	RWF, ATY, HON, FAR, BRD, AXN, GEP, FCM
		ELN, EPH, OLM, SEA, LTJ
		EPH, MWH, PDT, GEG, MLP, DNJ
Q148	STEVS-ZAXUL	MLP, DNJ, LKT, MWH, EPH, PDT, GEG, BZN, DLN, HIA
	ZAXUL-FINUT	BZN, DLN, HIA, DBS, PIH, LKT
	FINUT-WEDAK	DBS, PIH, BPI, BOY, BIL, DNW, BZN, JDA, OCS, CZI, CKW, DDY
	WEDAK-WAIDE	OCS, CKW, DDY, CZI, BOY, BPI, CYS, BFF, DVV, GLL
	WAIDE-JUGIV	CYS, BFF, DVV, CKW, GLL, DDY, BJC, FQF, BVR, SNY, DEN, AKO
	JUGIV-MEDICINE BOW	GLL, SNY, BFF, DVV, DEN, AKO, FQF, CYS, HGO, GLD, HCT, MCK, BVR
	MEDICINE BOW-MOCTU	AKO, BVR, HGO, GLD, HCT, MCK, LAA, SNY, GLL, FQF, BFF, DVV, BJC, DEN, CYS, HCT, HLC, GCK
	MOCTU-LEWOY	HLC, GCK, LBL, GLD, HCT, MCK, LAA, SLN
	LEWOY-CUGGA	SLN, LBL, MMB, GCK, GLD, MCK, HLC, PER, ICT
		ICT, SNL, GCK, PER, HLC, IFI, TUL, OKM
Q150	CUGGA-PENUT	IFI, IRW, PER, TUL, OKM, EOS, SLN, ICT, BUM
	PENUT-KIRKE	ELN, EPH, OLM, SEA, LTJ
	KIRKE-MORRR	EPH, PDT, GEG, MWH, BKE
	MORRR-BARTLESVILLE	DNJ, MLP, BKE, LKT
		DLN, IDA, HIA, PIH, BZN, DBS, LKT
		BZN, BPI, DNW, BOY, OCS
		DDY, CKW, CZI, CYS, CHE, GLL, MBW, RLG
		EPH, MWH, PDT, PSC, YKM, GEG, BKE
		DNJ, MLP, LKT
		BZN, HIA, DBS, IDA, HLN, GTF, BIL, BOY, LWT
Q152	SUNED-LEZLE	BIL, BOY, MLS, RLY, DDY
	LEZLE-BAXGO	RAP, DPR, BFF, ONL, ANW, TDD
	BAXGO-LAMON	SEA, OLM, LTJ, BTG, PDT, YKM, MWH, EPH, IMB, DSD
	LAMON-GANNE	DNJ, BKE
	GANNE-OPPEE	REO, BOI
		DBS, IDA, PIH
		IDA, PIH, DBS, LCU, MLD
		TCH, BVL, FFU
		FBR, OCS
		EKR, JNC, CHE, RLG
Q154	SUNED-LEZLE	MTJ, DBL, HBU
	LEZLE-WEDAK	PUB, ALS, DEN, DVV, FQF, HGO
	WEDAK-IKFOM	LAA, CIM, GCK
	IKFOM-WUVUT	TCC, PNH, TXO, GCK, LBL, MMB
	WUVUT-O'NEILL	IFI, SPS, PNH, TXO, ABI, MQP, FUZ, TTT, ADM
		SEA, YKM, MWH, LTJ, ELN, PDT, GEG
		SEA, LTJ, EPH, PDT, GEG, OLM, MWH, MLP
		GEG, MLP, FCA, GTF, HLN, BZN
		HLN, MLP, FCA, GTF, DLN, BZN
		HLN, MLP, FCA, GTF, DLN, BZN
Q156	WANTA-JELTI	HLN, BIL, GTF, LWT, BZN, GGW
	JELTI-HOVEL	DIK, RAP, GCC
	HOVEL-VELUY	DIK, RAP, DPR, PIR
	VELUY-BURLEY	DPR, PIR, HON, FAR, FSD
	BURLEY-PIMIE	FOD, FSD, FGT, GEP, RWF, FRM
	PIMIE-NAGNE	ALO, FGT, GEP, MCW, CID, RST, FRM
	NAGNE-BONGO	
	BONGO-PITMN	
	PITMN-TAYLR	
	TAYLR-GOSIP	
	GOSIP-KENTO	
Q156	KENTO-NOSEW	
	NOSEW-BOWIE	
	STEVS-ZAXUL	
	ZAXUL-FINUT	
	FINUT-TUFFY	
	TUFFY-UPUGE	
	UPUGE-HEXOL	
	HEXOL-TOUGH	
	TOUGH-JELRO	
	JELRO-KEKPE	
Q156	KEKPE-UFFDA	
	UFFDA-HSTIN	
	HSTIN-ZZIPR	

Route	Segment	DME
Q158	NTELL-PPARK	AVE, CZO, ECA, EHF, LIN, MOD, SAC.
	PPARK-TRTIS	AVE, BTY, CZO, EHF, HEC, MOD, OAL, PMD.
	TRTIS-BIKKR	BTY, OAL, PMD
	BIKKR-MYCAL	BLD, BTY, HEC, OAL, PMD
	MYCAL-JEDNA	BLD, BTY, EED, LAS, OAL, PGS, PMD.
Q160	SHVVR-FAANG	AVE, CZQ, ECA, EHF, LIN, MOD, SAC
	FAANG-RIVVO	AVE, BTY, CZQ, EHF, MOD, OAL, PMD
	RIVVO-BIKKR	BTY, OAL, PMD
Q162	NTELL-CABAB	AVE, CZO, ECA, EHF, LIN, MOD, MVA, SAC
	CABAB-VIKSN	AVE, BTY, CZO, ECA, EHF, LIN, MOD, MVA, OAL
	VIKSN-KENNO	AVE, BLD, BTY, ILC, MOD, MVA, OAL
	KENNO-ESSAA	BLD, BTY, ILC, MVA, OAL, PMD
	ESSAA-TUMBE	BLD, BTY, ILC, MVA, OAL, PMD
	TUMBE-MYCAL	BLD, BTY, HEC, ILC, LAS, MVA, OAL, PMD
Q164	NTELL-CABAB	AVE, CZQ, EHF, LIN, MOD, MVA, OAL, SAC
	CABAB-KICHI	AVE, BTY, CZQ, EHF, ILC, LIN, MOD, MVA, OAL, TPH
	KICHI-KATTS	ILC, LAS, MVA, OAL, TPH
	KATTS-KITTN	BLD, CDC, DTA, ILC, LAS, MVA, OAL, TPH, TQQ
	KITTN-ROCCY	BCE, BLD, CDC, DTA, ELY, HVE, ILC, MLF, MVA, PUC, TBC
Q166	VIKSN-UHILL	BTY, OAL, PMD, TPH
	UHILL-BIKKR	BTY, OAL, PMD, TPH
Q168	FNDA-SHIVA	BLD, BLH, EED, PGS, PKE, IPL, LAS
	SHIVA-KRINA	BLD, BLH, DRK, EED, LAS, PGS, PKE
	KRINA-JASSE	FLG, BLD, DRK, INW, LAS, PGS, TBC
Q406	BROADWAY-DBABE	JFK, SAX, FJC, RBV, ARD, SBJ, STW, SIE, HTO, BWZ, CYN, HNK
	DBABE-BASYE	CMK, HTO, BDR, CYN, LGA
	BASYE-TRIBS	RBV, HTO, BDR, CYN, PWL, CMK, JFK, HNK
	TRIBS-BIGGO	SAX, HTO, BAF, BDR, PUT, IGN, CTR, HFD
	BIGGO-BARNES	HUO, HTO, IGN, BAF, HFD, CTR, BOS
Q436	EMMMA-DIXSN	DXO, PMM, CRL, FNT, LAN
	DIXSN-BOOTT	CRL, ECK, GRR, FNT, SVM
	BOOTT-RRONS	PSI, ECK, CRL, CXR, DXO
	RRONS-YARRK	OJB, DKK, ECK, CXR, DXO
	YARRK-CHAAP	DJB, DKK, BUF, ERI, CXR
	CHAAP-RAAKK	DKK, SLT, BUF, ETG, JHW
	RAAKK-HERBA	DKK, ETG, BFD, PSB, JHW
	HERBA-REXXY	OKK, EGT, SLT, PSB, ELZ
	REXXY-REBBL	BUF, ETG, FQM, HNK, PSB
	REBBL-MTCAF	CFB, ULW, FQM, SAX, HUO
	MTCAF-DGRAF	CFB, SYR, SLT, HNK, HUO
	DGRAF-YYOST	JFK, SAX, LVZ, HNK, HUO
	YYOST-LAAYK	JFK, SLW, LVZ, HNK, HUO
	LAAYK-COATE	BWZ, RBV, LVZ, HNK, HUO
Q438	RUBY-BERYS	ASP, CRL, DXO, FNT, GRR, PMM
	BERYS-TWIGS	CRL, FNT, CXR, DXO, DJB
	TWIGS-JAAJA	DKK, ECK, CXR, JHW, DJB
	JAAJA-ICHOL	DKK, BUF, CXR, JHW
	ICHOL-FARGN	DKK, BUF, CXR, JHW, SLT
	FARGN-RAAKK	DKK, BUF, ETG, JHW, SLT
Q440	HUFFR-IDIOM	BAE, BRD, DLL, FGT, GEP, GRB, ODI, RWF
	IDIOM-DEANI	BAAE, DLL, GRB, PMM, TVC
	DEANI-SLLAP	ASP, GRB, PMM, TVC
	SLLAP-BERYS	ASP, GRB, PMM, TVC
	BERYS-TWIGS	DXO, CRL, FNT, DJB, CXR
	TWIGS-JAAJA	JHW, DKK, ECK, DJB, CXR
	JAAJA-ICHOL	JHW, DKK, CXR, BUF, SLT
	ICHOL-FARGN	JHW, DKK, CXR, BUF, SLT
	FARGN-RAAKK	JHW DKK, ETG, BUF, SLT

Route	Segment	DME
Q448	POTTSTOWN-LANNA	CYN, HUO, ETX, JFK, SIE, STW
	LANNA-DBABE	SIE, SBJ, BWZ, FJC, JFK, CYN, ARD, STW, HTO, SAX
	DBABE-BASYE	CYN, LGA, BDR, CMK, HTO
	BASYE-TRIBS	CYN, RBV, BDR, PWL, HTO, HNK, CMK, JFK
	TRIBS-BIGGO	PUT, SAX, BAF, BDR, HTO, HFD, IGN, CTR
	BIGGO-BARNES	PUT, SAX, BAF, BDR, HTO, HFD, IGN, CTR
Q480	ZANDR-BELLAIRE	APE, CXR, JPU, CTW, DJB, HLG, EWC, AIR, HNN
	BELLAIRE-LEJOY	APE, AIR, EWC, HLG, CTW, AGC, MGW, IHD, JST, PSB
	LEJOY-VINSE	JST, PSB, EWC, GRV, IHD, REC, AIR, EMI, ETG, SLT, THS
	VINSE-BEETS	EMI, CSN, ETG, SLT, THS, HAR
	BEETS-HOTEE	EMI, CSN, HAR, SLT, THS, SIE, LRP, RAV, PSB, RBV
	HOTEE-MIKYG	EMI, PSB, RBV, RAV, LRP, PTW, HUO, SIE, HNK, SAX
	MIKYG-SPOTZ	FJC, SIE, CYN, LRP, SAX, JFK, PTW, ETX, EMI
	SPOTZ-CANDR	FJC, STW, CYN, ETX, LVZ, RBV, SBJ
	CANDR-JEFFFF	JFK, STW, BWZ, SAX, SBJ, HNK, CYN
	JEFFFF-KINGSTON	RBV, STW, CMK, HNK, SAX, JFK, HUO, IGN, RBV
	KINGSTON-LESWL	PUT, RBV, CMK, HNK, HUO, SAX, HTO, PVD
	LESWL-BARNES	BAF, SAX, JFK, HTO, PVD, HFD, HUO, BOS
	BARNES-KENNEBUNK	EEN, BOS, HFD, HTO, PUT, CTR, BAF, GDM, MHT, LWM, CON, LFV, ENE, PSM
Q806	MILLINOCKET-U.S. CANADIAN BORDER	BGR, HUL, MLT, PQI
Q812	TIMMR-WELOK	BUF, DKK, JHW, SLT
	WELOK-CEWDA	BUF, DKK, JHW, SLT, SYR
	CEWDA-ZOHAN	ASP, BAE, CRL, DLL, DXO, FNT, GRB, PMM, SAW, TVC
	ZOHAN-U.S. CANADIAN BORDER	ASP, CRL, DKK, DXO, FNT, PMM, SSM, TVC
	KELTI-AHPAH	BUF, DKK, JHW, SLT, SYR
	AHPAH-GOATR	BUF, DKK, HNK, JHW, SLT, SYR
	GOATR-FABEN	BUF, HNK, SLT, SYR
	FABEN-LOXXE	BUF, ETG, HNK, HUO, SAX, SLT, SYR
	LOXXE-ARKKK	BUF, ETG, HNK, HUO, SAX, SLT, SYR
	ARKKK-STOMP	ETG, HNK, HUO, JFK, RBV, SAX, SLT, SYR
	STOMP-MSLIN	HNK, HUO, JFK, RBV, SAX
	MSLIN-GAYEL	CYN, HNK, HTO, HUO, JFK, RBV, SAX
Q816	HOCKE-US CANADIAN BORDER	ASP, CRL, DXO, FNT
	KELTI-AHPAH	BUF, DKK, JHW, SLT, SYR
	AHPAH-GOATR	BUF, DKK, HNK, JHW, MSS, SLT, SYR
	GOATR-ARNII	BUF, HNK, HUO, MSS, PUT, SLT, SYR
	ARNII-HANAA	HNK, HUO, MSS, PUT, SYR
Q818	FLINT-U.S. CANADIAN BORDER	ASP, DXO, FNT, GRR, CRL
	WOZEE-KELIE	BUF, DKK, ETG, JHW, SLT, SYR
	KELIE-VIEEW	BUF, DKK, ETG, HNK, JHW, SLT, SYR
	VIEEW-BINGHAMTON	BUF, ETG, HNK, HUO, JHW, SAX, SLT, SYR
	BINGHAMTON-BUFFY	CYN, HNK, HUO, SAX, SLT, SYR
	BUFFY-STOMP	CYN, HNK, HUO, JFK, RBV, SAX, SYR
	STOMP-MSLIN	CYN, HNK, HUO, JFK, RBV, SAX
	MSLIN-GAYEL	CYN, HNK, HTO, HUO, JFK, RBV, SAX
Q822	FLINT-U.S. CANADIAN BORDER	ASP, CRL, DXO, FNT, GRR
	HOZIR-GONZZ	BUF, DKK, ETG, HNK, HUO, JHW, MSS, SLT, SYR
	GONZZ-PUPPY	BUF, HNK, HUO, MSS, SAX, SLT, SYR
	PUPPY-PAYGE	HNK, HUO, MSS, PUT, SAX, SYR
	PAYGE-CAMBRIDGE	BOS, HNK, HUO, MSS, PUT, SAX, SYR
	CAMBRIDGE-KENNEBUNK	BGR, BOS, ENE, HUO, LFV, PUT, PVD, SAX
	KENNEBUNK-AJJAY	BGR, BOS, ENE, LFV, MLT, PSM, PUT
	AJJAY-ALLEX	BGR, BOS, ENE, LFV, MLT, PNN
Q824	FLINT-HOCKE	ASP, CRL, DXO, FNT, VIO
	HOCKE-US CANADIAN BORDER	ASP, CRL, DXO, FNT

Route	Segment	DME
Q842	All segments	GNSS required
Q844	SYRACUSE-US CANADIAN BORDER	BUF, HNK, SYR, MSS
Q848	SLLAP-HHIPP	ASP, CRL, DJB, DXO, GRR, PMM, TVC
	HHIPP-KARIT	ASP, DJB, DXO, FNT
	KARIT-U.S. CANADIAN BORDER	ASP, DJB, DXO, FNT
Q905	HOCKE-U.S. CANADIAN BORDER	ASP, BUF, CRL, CXR, DKK, DXO, FNT, JHW
Q907	POSTS-PADDE	CRL, DXO, ECK, FNT, FWA, GIJ, GRR, GSH, OXI, PMM
	PADDE-SALEM	CRL, DJB, DXO, ECK, FNT, FWA, GIJ, GRR, GSH, PMM
	SALEM-US CANADIAN BORDER	CRL, CXR, DJB, DKK, DXO, ECK, FNT, VIO
Q913	CABCI-TOPPS	BGR, ENE, HUL, LEB, ML T, MSS, PNN, PQI
Q917	SAULT STE MARIE-U.S. CANADIAN BORDER	ASP, SAW, SSM
	HOZIR-WOZEE	BUF, DKK, JHW, SLT
Q923	HOCKE-KARIT	ASP, CRL, DXO, FNT
	KARIT-US CANADIAN BORDER	ASP, CRL, DXO, FNT
Q935	MONEE-HOCKE	ASP, CRL, DXO, FNT, GRR, PMM
	HOCKE-U.S. CANADIAN BORDER	ASP, CRL, DXO, FNT
	WOZEE-HANKK	BUF, DKK, HNK, JHW, SLT, SYR
	HANKK-JOSSY	BUF, DKK, HNK, JHW, SLT, SYR
	JOSSY-AUDIL	BUF, HNK, SAX, SLT, SYR
	AUDIL-FABEN	BUF, HNK, SAX, SLT, SYR
	FABEN-PONCT	HNK, HUO, JFK, SAX, SLT
	PONCT-GARDNER	BOS, ENE, HNK, HUO, JFK, LFV, PUT, PVD, SAX
	GARDNER-BOSTON	ACK, BOS, ENE, LFV, PUT, PVD
Q937	WAYGO-KRAZZ	BUF, HNK, MSS, SYR
Q947	REVEN-TOPPS	BGR, ENE, HUL, MLT, PQI
	TOPPS-CUZWA	BGR, HUL, MLT, PQI
	CUZWA-US CANADIAN BORDER	BGR, HUL, MLT, PQI
Q951	POSTS-PADDE	CRL, DXO, FNT, FWA, GIJ, GRR, GSH, OXI, PMM
	PADDE-SALEM	CRL, DJB, DXO, FNT, FWA, GIJ, GRR, GSH, PMM
	SALEM-U.S. CANADIAN BORDER	CRL, CXR, DJB, DKK, DXO, FNT
	DAVDA-SAVAL	ART, BTV, MSS, SLK, SYR
	SAVAL-DANOL	ART, BTV, MSS, SYR

RNAV Routing Pitch and Catch Points

The purpose of this section of the Special High Altitude Routes is to present user routing options for flight within the initial HAR Phase I expansion airspace. Users are able to fly user-preferred routes, referred to as non-restrictive routing (NRR), between specific fixes described by **pitch** (entry into) and **catch** (exit out of) fixes in the HAR airspace. Pitch points indicate an end of departure procedures, preferred IFR routings, or other established routing programs where a flight can begin a segment of NRR. The catch point indicates where a flight ends a segment of NRR and joins published arrival procedures, preferred IFR routing, or other established routing programs.

The HAR Phase I expansion airspace is defined as that airspace at and above FL 350 in fourteen of the western and southern Air Route Traffic Control Centers (ARTCCs). The airspace includes Minneapolis (ZMP), Chicago (ZAU), Kansas City (ZKC), Denver (ZDV), Salt Lake City (ZLC), Oakland (ZOA), Seattle Centers (ZSE), Los Angeles (ZLA), Albuquerque (ZAB), Fort Worth (ZFW), Memphis (ZME), and Houston (ZHU). Jacksonville (ZJX) and Miami (ZMA) are included for east-west routes only.

To develop a flight plan, select pitch and catch points based upon your desired route across the Phase I airspace. Filing requirements to pitch points, and from catch points, remain unchanged from current procedures. For the portion of the route between the pitch and catch points, non-restrictive routing is permitted.

Where pitch points for a specific airport are not identified, aircraft should file an appropriate departure procedure (DP), or any other user preferred routing prior to the NRR portion of their routing. Where catch points for a specific airport are not identified aircraft should file, after the NRR portion of their routing, an appropriate arrival procedure or other user preferred routing to their destination.

Additionally, information concerning the location and schedule of Special Use Airspace (SUA) and Air Traffic Control Assigned Airspace (ATCAA) can be found on the Web Site: <http://sua.faa.gov/sua/Welcome.do>. ATCAA refers to airspace in the high altitude structure supporting military and other special operations. Users are encouraged to file around these areas when they are scheduled to be active, thereby avoiding unplanned reroutes around them.

In conjunction with the HAR program RNAV routes have been established to provide for a systematic flow of air traffic in specific portions of the enroute flight environment. The designator for these RNAV routes begin with the letter Q, for example, Q-501. Where those routes aid in the efficient orderly management of air traffic they will be published as preferred IFR routes.

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING

HAR Special High Altitude Pitch (entry) Points for Nonrestrictive Routing for Airports Located Outside HAR Phase I Expansion Airspace

Westbound traffic originating outside of HAR airspace entering ZMP, ZAU, ZKC and ZME can begin non-restrictive routing over any of the following pitch points (listed from north to south):

DLH, CESNA, GEP, BAE, MKG, GRR, PMM, GSH, CADIZ, FWA, VHP, FLM, IIU, PXV, SGF, RZC, BNA, SALMS, VUZ, BOYDD, MIE.

Traffic originating outside of HAR airspace may also begin Nonrestrictive Routing upon crossing the pitch line depicted on the associated graphic.

HAR Special High Altitude Pitch Points for Airports Located Within (below) HAR Phase I Expansion Airspace

This section lists pitch points for airports within the HAR Phase I expansion airspace.

Albuquerque	ABQ, GUP, HANOS or ZUN
Austin	ABI, FUZ, JCT, MQP, NAVYS, SJT or TNV
Boca Raton, FL	TBIRD KPASA Q118 LENIE or TBIRD KPASA Q116 CEEYA or TBIRD KPASA Q110 FEONA or TBIRD SMELZ Q106 BULZI or TBIRD SMELZ Q106 GADAY
Burbank includes Santa Monica and Van Nuys	GMN, MARKS or DAG LAS or HEC EED or PMD BLH
Chicago Terminal Area	IOW, PLL275065, MVZ or BAE
Dallas/Fort Worth Terminal Area	ABI, LBB, GTH, CDS, MRMAC, IRW, TUL, MLC, TXK ELD, SWB or Aircraft destined the Chicago terminal area Except MDW EAKER MIDEE BDF BRADFORD-STAR or MLC J105 SGF BDF BRADFORD-STAR
Fort Lauderdale (or) Fort Lauderdale Executive	THNDR KPASA Q118 LENIE or THNDR KPASA Q116 CEEYA or THNDR KPASA Q110 FEONA or THNDR SMELZ Q106 GADAY or THNDR SMELZ Q106 BULZI
Houston Bush	LIT, ELD, MLC, JCT or Aircraft destined Atlanta Terminal Area LCH Q24 PAYTN HONIE-RNAV STAR or Aircraft joining J37 to the northeast, GUSTI SID GUSTI Q22 CATLN or Aircraft joining J42 to the northeast, EL DORADO SID ELD Q32 J42
Houston Hobby	LIT, ELD, MLC, JCT, or Aircraft joining J42 to the northeast, EL DORADO SID ELD Q32 J42
Jacksonville, FL	TAY
Kansas City Terminal Area	TIFTO, CATTS or KENTN

Los Angeles, includes Ontario	GMN, RZS or DAG LAS or TRM EED or TRM PKE
Las Vegas	DOBNE, MOSBI, NICLE, TRALR or ZELOT
Long Beach includes Orange County	GMN SNS, EHF, LANDO or TRM PKE or TRM EED
Memphis	BNA, HAAWK, SALMS or SQS
Miami Terminal Area	WINCO KPASA Q118 LENIE or WINCO KPASA Q116 CEEYA or WINCO KPASA Q110 FEONA or WINCO SMELZ Q106 GADAY or WINCO SMELZ Q106 BULZI
Milwaukee	GREAS
Minneapolis Terminal Area*	ONL, ABR, FAR, OBH, OVR, FOD
New Orleans Terminal Area	AEX, MEI, SQS, KAPLN
Orlando Terminal Area	WEBBS BRUTS Q118 LENIE or WEBBS GULFR Q116 CEEYA or WEBBS BULZI Q106 GADAY or WEBBS FEONA or WEBBS BULZI
Palm Beach, FL	TBIRD KPASA Q118 LENIE or TBIRD KPASA Q116 CEEYA or TBIRD KPASA Q110 FEONA or TBIRD SMELZ Q106 BULZI or TBIRD SMELZ Q106 GADAY
Palm Springs	TRM JOTNU BLD or TRM EED or TRM PKE
Phoenix	CHILY, CIE, CULTS, RSK, DOVEE, GCN, MESSI, SJN, DRYHT or MOHAK
Portland, OR	PDT, TIMEE
Salt Lake City	HVE, DTA, MLF, BCE, OAL, MTU, BVL, OCS, TWF, DBS, BPI or TCH J56 CHE or TCH J173 EKR
Saint Louis	VIH, MAP, MYERZ, MCM or HLV MCI

San Antonio Terminal Area	FUZ, SJT, MQP, ABI or Aircraft North of LFK, LFK or Aircraft South of HUB, ELA or Aircraft South of LFK and North of HUB LCH
San Diego	TRM EED or TRM PKE or TRM JOTNU BLD
San Francisco Bay Area	GALLI, INSLO, HAROL JSICA
Oakland	GALLI, INSLO, HAROL JSICA
San Jose	GALLI or INSLO
Seattle	BLUIT
Southwest Florida Airports (RSW/FMY)	JOCKS KPASA Q118 LENIE or JOCKS KPASA Q116 CEEYA or JOCKS KPASA Q110 FEONA or JOCKS SMELZ Q106 GADAY or JOCKS SMELZ Q106 BULZI
Tampa Terminal Area	FEONA, BULZI or BRUTS Q118 LENIE or GULFR Q116 CEEYA or BULZI Q106 GADAY

*MSP area departures with destinations east of 93 degrees west longitude via preferred IFR routing.

Catch Points for Airports Located Outside HAR Phase I Expansion Airspace

This section lists exit points for aircraft destined to specific destinations which are outside the HAR Phase I airspace.

Atlanta Terminal Area	Aircraft through ZME airspace from ZKC airspace east of FAM, Pless Q19 BNA or Aircraft through ZME airspace from ZKC airspace west of FAM, ARG Q26 DEVAC or MEM or Aircraft through ZME airspace from ZID airspace west of a line from VHP to BWG, BNA or Aircraft through ZME airspace from ZID airspace east of a line from VHP to BWG, BWG or Aircraft through ZME airspace from ZFW airspace, MEM or MEI HONIE (RNAV)-STAR or PATYN HONIE (RNAV)-STAR
Baltimore-Washington*	GIJ, GEP, FLM, IIU, BAE, VHP, WHETT, BNA or VUZ
Boston*	GEP, CRL, ECK, IIU, BNA or VUZ
Buffalo*	GEP, CRL
Hartford Bradley*	GEP, CRL
Canton-Akron*	GIJ, VHP, GEP
Charlotte	BNA, VUZ
Cincinnati Terminal Area	BNA, PXV or Aircraft north of SLC, JOT or Aircraft over or south of SLC, ENL or SLC or SFO departures, ENL, JOT
Cleveland Terminal Area*	OBK
Detroit Terminal Area	BAE MKG POLAR-STAR or VHP FWA MIZAR-STAR
Detroit Young	VHP FWA or LAN SPRTN-STAR
Indianapolis Terminal Area	BIB, SPI, JOT
Louisville	ENL, MEM
Newark*	GEP, VHP, FLM, IIU, BNA, VUZ or IOW GIJ J554 CRL J584 SLT FQM
New York Kennedy*	GEP, VHP, FLM, IIU, BNA, VUZ or DBQ J94 PMM J70 LVZ LENDY-STAR
New York LaGuardia*	GIJ, GEP, VHP, BAE, FLM, IIU, BNA, VUZ
Philadelphia Terminal Area*	GIJ, GEP, VHP, BAE, WHETT, BNA, VUZ
Pittsburgh Terminal Area*	VHP, GIJ, BAE, GEP
Pontiac	LFD, LAN, VHP, FWA, GEP
Providence	JHW, HEMDI, CESNA, GEP, GRB, TVC, ASP VHP, IIU, BNA, VUZ
Raleigh-Durham	FLM, IIU, BNA, VUZ
Toronto Terminal Area	ECK, SVM, SSM, GEP

Teterboro* GEP, VHP, CRL, BNA, VUZ

Washington Dulles/National* GIJ, GEP, FLM, IIU, BAE, VHP, WHETT, BNA, VUZ

White Plains* GEP, VHP, CRL, FLM, IIU, BNA, VUZ

Willow Run* LAN, LFD, VHP, FWA, GEP

*Eastbound aircraft over flying ZMP center airspace entering Toronto center airspace, file direct SSM or via J63, J522, Q505, Q504, Q502, Q501

or

Entering ZAU or ZOB airspace from north of DPR J16 MCW, GEP

or

Entering ZAU or ZOB airspace from or south of DPR J16 MCW, CRL.

Catch Points for Airports Located Within (below) HAR Phase I Expansion Airspace

This section lists exit points for aircraft destined to airports which are below HAR Phase I airspace.

Albuquerque Terminal Area	CURLY CURLY-STAR or ESPAN FRIHO-STAR or LAVAN LAVAN-STAR or FTI FRIHO-STAR or MIERA MIERA-STAR
Austin Terminal Area	Aircraft west of a north-south line at LFK, BLEWE or Aircraft east of a north-south line at LFK, IDU or LLO
Boca Raton, FL	CEW DEFUN Q112 INPIN SHDAY (RNAV)-STAR Aircraft through ZHU remain south of ZME and ZTL airspace or DEFUN Q112 INPIN SHDAY (RNAV)-STAR Aircraft through ZHU remain south of ZME and ZTL airspace or SZW INPIN SHDAY (RNAV)-STAR
Chicago Midway	CVA MOTIF-STAR or PIA MOTIF-STAR or DBQ CVA MOTIF-STAR or LMN MOTIF-STAR
Chicago O'Hare Terminal Area	GEP DLL MSN JVL JANESVILLE-STAR or TVC PULLMAN-STAR or FOD DBQ JVL JANESVILLE-STAR or MCW JANESVILLE-STAR or GCK IRK BRADFORD-STAR
Dallas/Fort Worth Terminal Area	IRW, LOSZY, FSM, LIT, SQS, MLU, AEX, JUMBO, TQA, TURKI, HEATR Aircraft through ZME airspace from north and west of PXV, RZC, Q23 FSM or Aircraft through ZME airspace from east of PXV, PXV Q25 MEEOW or Aircraft through ZME airspace from J6 down to, but not including J52, LIT, SQS or Aircraft through ZME airspace from J52 and south of J52, SQS
Ft Lauderdale or Ft Lauderdale Executive	CEW DEFUN Q104 PIE SWAGS (RNAV)-STAR Aircraft through ZHU airspace remain south ZME and ZTL airspace or SZW HEVVN Q104 PIE SWAGS (RNAV)-STAR
Houston Bush	CRP, CVE, LLO, LUKIY, SAT or Aircraft south and east of LLA, JEPEG or MISLE Q40 AEX or Aircraft north and east of SJI, SJI or Aircraft east of PXV, PXV Q31 DHART SWB or Aircraft north and west of PXV, PROWL Q33 DHART SWB

Houston Hobby	CRP, ELLVR, SAT, SWB or Aircraft south and east of GIRLY, KCEEE or Aircraft north and east of SJI, SJI or BESOM Q38 ROKIT ROKIT-STAR or Aircraft east of PXV, PXV Q29 HARES SWB or Aircraft north and west of PXV, PROWL Q33 DHART SWB
Jacksonville	GADAY ZOOSS TAY Aircraft through ZHU airspace remain south of ZME and ZTL airspace or ZOOSS TAY
John Wayne-Orange County	HEC, PGS, BLD or Aircraft south of TBC from ZAB airspace, HIPPI
Kansas City Terminal Area	LMN BRAYMER-STAR or PWE ROBINSON-STAR or EMP JHAWK-STAR
Las Vegas	DILCO, LIDAT, IGM or Aircraft over PGA or north of PGA KSINO or Aircraft south of PGA, PGS, LYNBY
Los Angeles Terminal Area	Aircraft North of TBC, HEC, PGS or Aircraft South of TBC from ZAB airspace, HIPPI, MESSI
Miami Terminal Area	CEW DEFUN Q104 CYY DEEDS (RNAV)-STAR Aircraft through ZHU airspace remain south ZME and ZTL airspace or SZW HEVBN Q104 CYY DEEDS (RNAV)-STAR
Minneapolis Terminal Area	Aircraft from north, west, south, FAR GOPHER-STAR or RWF SKETR-STAR or ALO KASPR-STAR or BRD GOPHER-STAR or BAE EAU CLAIRE-STAR or FOD TWOLF-STAR
Memphis Terminal Area	ARG, BWG, FSM, PXV, LIT, RZC, SQS, VUZ, BNA, GQO, ELD
Naples, FL	CEW DEFUN Q104 PLYER PIKKR (RNAV)-STAR Aircraft through ZHU AIRSPACE remain south of ZME and ZTL airspace or SZW HEVBN Q104 PLYER PIKKR (RNAV)-STAR
Nashville	CCT, GHM, GUITR, TINGS, VOLLIS
New Orleans Terminal Area	BLUEZ, GPT, LCH, MCB, TBD, FATSO

Oakland	ILA
	or
	KATTS PAMMY
	or
	Aircraft over or south of a line ILC J16 DVC REANA KATTS PAMMY
	or
Orlando Terminal Area	Aircraft from north of ILC, JOPER PAMMY
	or
	KATTS PAMMY
	or
	Aircraft over or south of ILC, REANA KATTS PAMMY
Palm Beach, FL	GADAY Q108 CLAWZ LEESE-STAR
	Aircraft through ZHU airspace remain south of ZME/ZTL airspace
	or
	OTK LEESE-STAR
Phoenix	CEW DEFUN Q112 INPIN GULLO (RNAV)-STAR
	Aircraft through ZHU airspace remain south of ZME and ZTL airspace
	or
	SZW INPIN GULLO (RNAV)-STAR
Phoenix Satellites	CORKR DRK
	or
	Aircraft from ZDV airspace, GUP
	or
	Aircraft from ZAB airspace, ZUN, MOHAK, SSO
	or
Phoenix Satellites	VYLLA TUS
Phoenix Satellites	FLG, SSO, MOHAK
	or
	VYLLA, TUS
Portland, OR Terminal Area	JKNOX HHOOD-STAR
	or
	JOTBA HHOOD-STAR
	or
	SOERN TMBRS-STAR
	or
	GALLO TMBRS-STAR
	or
	MACHU TMBRS-STAR
	or
	SPNSR TMBRS-STAR
St. Louis Terminal Area	or
	MOXEE MOXEE-STAR
St. Louis Terminal Area	SGF TRAKE-STAR
	or
	BUM TRAKE-STAR
	or
	ANX TRAKE-STAR
	or
	LMN IRK RIVRS-STAR
	or
	RBS VANDALIA-STAR




Salt Lake City Terminal Area	JNC J12 HELPR SPANE-STAR or EKR MTU SPANE-STAR or BCE DTA-TCH or MLF DTA-TCH or BVL BONNEVILLE-STAR or BYI BEARR-STAR or PIH BEARR-STAR or DBS BRIGHAM CITY-STAR or JAC BRIGHAM CITY-STAR or BPI BRIGHAM CITY-STAR or OCS BRIGHAM CITY-STAR
San Diego Terminal Area	EED, LAX, GBN
Santa Ana	HEC, PGS, BLD, HIPPI
San Antonio Terminal Area	IDU, CSI, JCT, LLO, CRP, LRD or West of a north-south line at LFK, BLEWE or East of a north-south line at LFK, IDU
San Francisco	FMG GOLDEN GATE-STAR or MVA MODESTO-STAR or ENI GOLDEN GATE-STAR or OAL MODESTO-STAR or South of a line ILC to DVC, REANA KATTS OAL MODESTO-STAR
San Jose	FMG HYP EL NIDO-STAR or OAL HYP EL NIDO-STAR or ENI GOLDEN GATE-STAR or South of a line ILC to DVC, REANA KATTS KICHI CANDA EL NIDO-STAR
Seattle Terminal Area	Aircraft from northeast, southeast, south, TEMPL GLASR-STAR or SUNED CHINS-STAR or BTG HAWKZ-STAR
Southwest Florida Airports RSW and FMY	CEW DEFUN Q104 SWABE JOSFF-STAR Aircraft through ZHU airspace remain south of ZME and ZTL airspace or SZW HEVVN Q104 SWABE JOSFF-STAR
Tampa Terminal Area	CEW DEFUN Q104 HEVVN DARBS-STAR Aircraft through ZHU airspace remain south of ZME and ZTL airspace or SZW DARBS-STAR
Tucson	DRK PXR or MOHAK GBN


In support of the Federal Aviation Administration's Runway Incursion Program, selected towered airport diagrams have been published in the Airport Diagram section of the Chart Supplements. Diagrams will be listed alphabetically by associated city and airport name. Airport diagrams, depicting runway and taxiway configurations, will assist both VFR and IFR pilots in ground taxi operations. The airport diagrams in this publication are the same as those published in the U.S. Terminal Procedures Publications. For additional airport diagram legend information see the U.S. Terminal Procedures Publication.

NOTE: Some text data published under the individual airport in the A/FD section may be more current than the data published on the Airport Diagrams. The airport diagrams are updated only when significant changes occur.

PILOT CONTROLLED AIRPORT LIGHTING SYSTEMS

Available pilot controlled lighting (PCL) systems are indicated as follows:

1. Approach lighting systems that bear a system identification are symbolized using negative symbology, e.g.,   .
2. Approach lighting systems that do not bear a system identification are indicated with a negative "0" beside the name.

A star (★) indicates non-standard PCL, consult Directory/Supplement, e.g., .

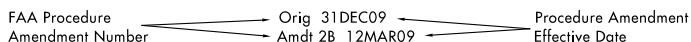
To activate lights, use frequency indicated in the communication section of the chart with a  or the appropriate lighting system identification e.g., UNICOM 122.8   .

KEY MIKE	FUNCTION
7 times within 5 seconds	Highest intensity available
5 times within 5 seconds	Medium or lower intensity (Lower REIL or REIL-off)
3 times within 5 seconds	Lowest intensity available (Lower REIL or REIL-off)

CHART CURRENCY INFORMATION

Date of Latest Revision 09365

The Date of Latest Revision identifies the Julian date the chart was added or last revised for any reason. The first two digits indicate the year, the last three digits indicate the day of the year (001 to 365/6) in which the latest revision of any kind has been made to the chart.



The FAA Procedure Amendment Number represents the most current amendment of a given procedure. The Procedure Amendment Effective Date represents the AIRAC cycle date on which the procedure amendment was incorporated into the chart. Updates to the amendment number & effective date represent procedural/criteria revisions to the charted procedure, e.g., course, fix, altitude, minima, etc.

NOTE: Inclusion of the "Procedure Amendment Effective Date" will be phased in as procedures are amended. As this occurs, the Julian date will be relocated to the upper right corner of the chart.

MISCELLANEOUS

- ★ Indicates a non-continuously operating facility, see A/FD or flight supplement.

"Radar required" on the chart indicates that radar vectoring is required for the approach.

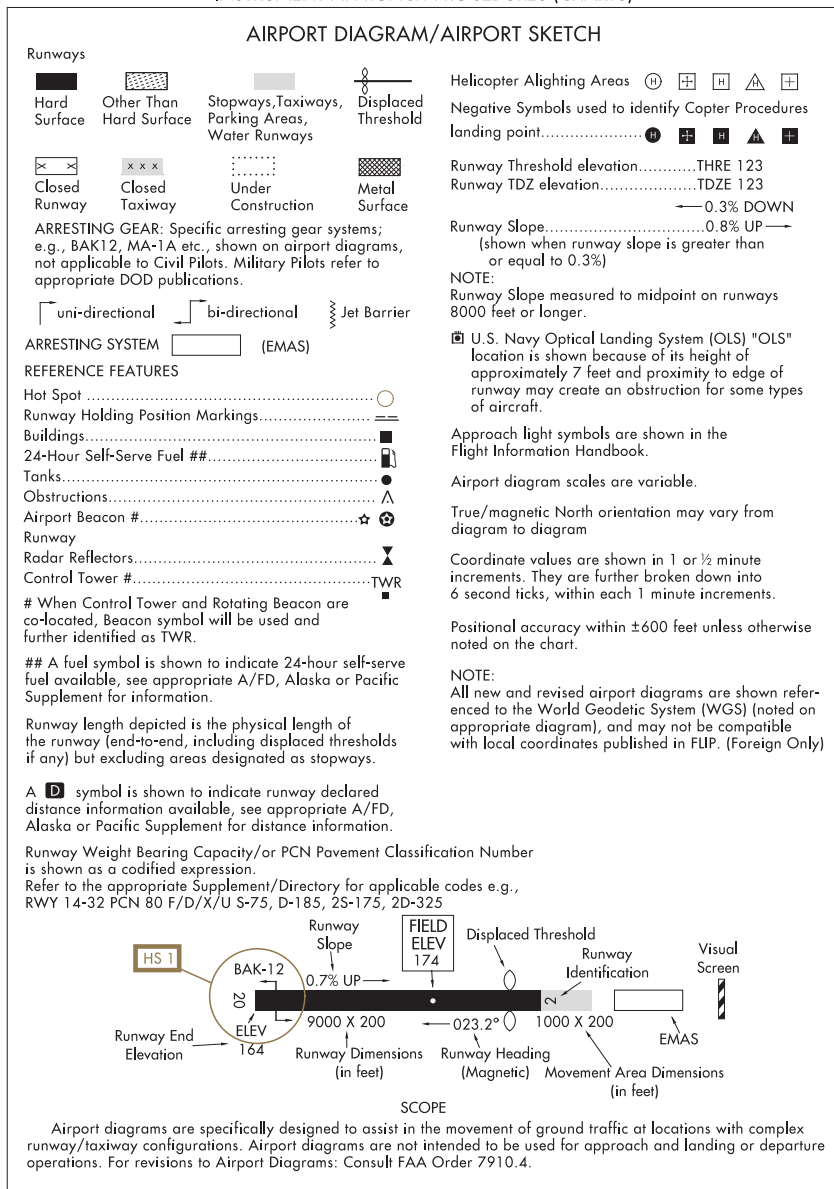
Distances in nautical miles (except visibility in statute miles and Runway Visual Range in hundreds of feet). Runway Dimensions in feet. Elevations in feet. Mean Sea Level (MSL). Ceilings in feet above airport elevation. Radials/bearings/headings/courses are magnetic. Horizontal Datum: Unless otherwise noted on the chart, all coordinates are referenced to North American Datum 1983 (NAD 83), which for charting purposes is considered equivalent to World Geodetic System 1984 (WGS 84).

Terrain is scaled within the neat lines (planview boundaries) and does not accurately underlie not-to-scale distance depictions or symbols.

15288

LEGEND

INSTRUMENT APPROACH PROCEDURES (CHARTS)



LEGEND

HOT SPOTS

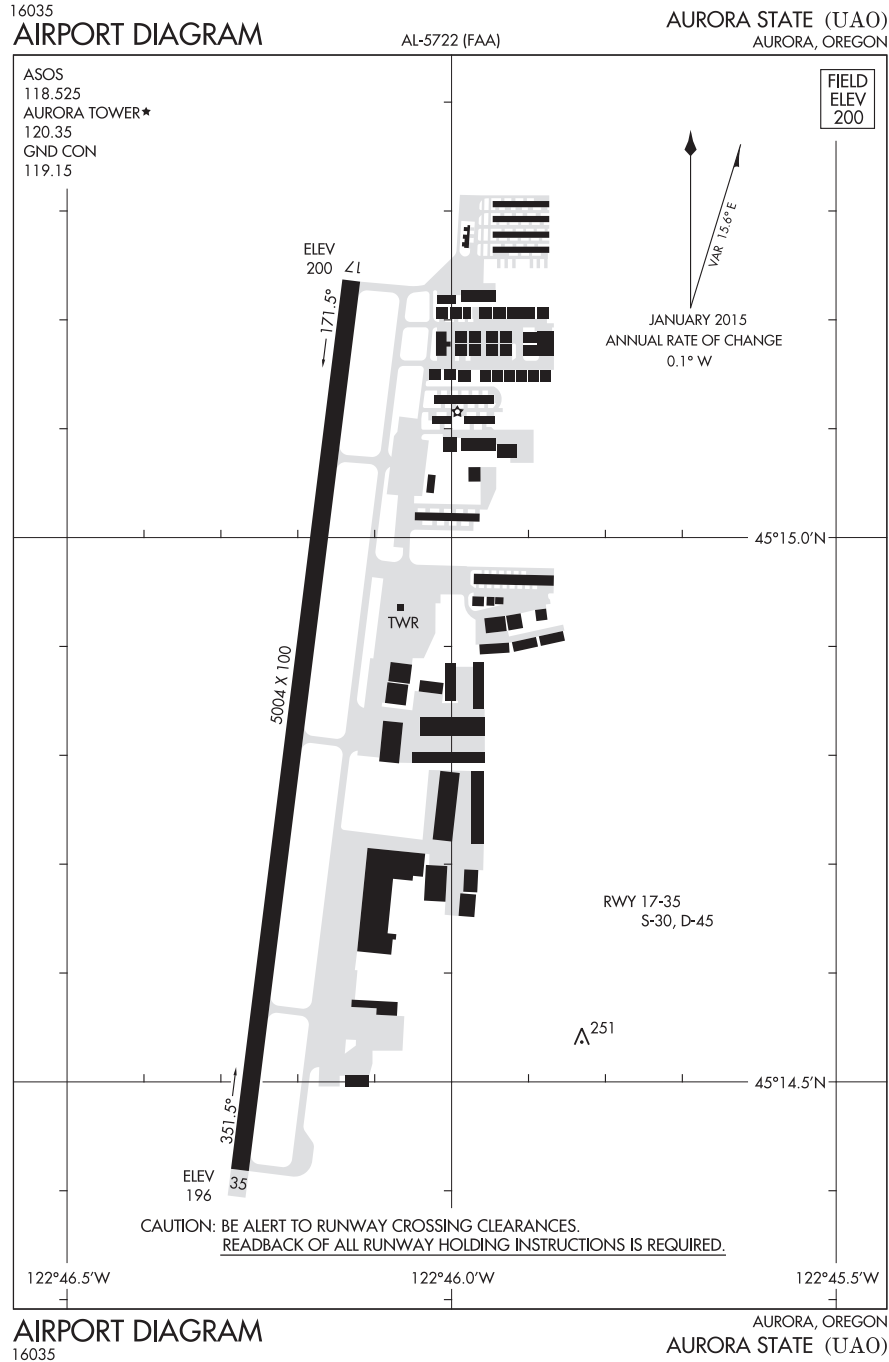
An "Airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
IDAHO		
BOISE		
BOISE AIR TERMINAL/GOWEN FLD (BOI)	HS 1	Pilots departing Rwy 10L often miss the left turn on Twy W and continue taxi on Twy J. Do not mistake Rwy 10L apch sign for Rwy 10L entrance.
HAILEY		
FRIEDMAN MEM (SUN)	HS 1	Possible confusion between ramp and Twy B due to large paved area. ATC clearance is needed to enter movement area.
IDAHO FALLS		
IDAHO FALLS RGNL (IDA)	HS 1	Pilots should use caution and look carefully for rwy hold line when using Twy C. Rwy 17-35 does not have rwy edge markings and can be mistaken for a twy.
	HS 2	Acft departing Rwy 20 often miss left turn on A1 and taxi past A1 entrance. Do not mistake Rwy 20 apch hold line on Twy A for entrance to Rwy 20.
	HS 3	Do not cross hold line for Rwy 17 without authorization.
	HS 4	Pilots often line up for Rwy 17 when cleared to land Rwy 20. Rwy 20 and Rwy 17 apch ends in close proximity. Check rwy alignment.
LEWISTON		
LEWISTON-NEZ PERCE CO (LWS)	HS 1	Twy C and Twy G intersection close proximity to Rwy 12-30.
	HS 2	Multiple hold lines in close proximity between the rwys. Pilots instructed to hold short of Rwy 30 on Twy G sometimes miss the first hold line.
TWIN FALLS		
JOSLIN FLD – MAGIC VALLEY RGNL (TWF)	HS 1	No signage for Twy A visible from FBO ramp. Left turn required to reach Twy A. Pilots sometimes enter Rwy 12-30 at Twy K when looking for Twy A.
MONTANA		
BILLINGS		
BILLINGS LOGAN INTL (BIL)	HS 1	Twy H crosses Rwy 07 protected area. Do not proceed across Rwy 07 without an ATCT clearance.
	HS 2	Complex intersection of Twy A, Twy C, ramp, and Rwy 10L-28R. Large non-movement area south of Twy A.
BOZEMAN		
BOZEMAN YELLOWSTONE INTL (BZN)	HS 1	Pilots taxiing via Twy A to Rwy 30 for departure sometimes fail to hold short of Rwy 03-21.
BUTTE		
BERT MOONEY (BTM)	HS 1	Rstd visibility between Rwy 33 and Rwy 30. Acft departing/lbg may not see tfc on intersecting rwy.
GREAT FALLS		
GREAT FALLS INTL (GTF)	HS 1	Acft departing Rwy 21 often miss left turn at Twy A1. There is no rwy access beyond Twy A1.
	HS 2	Twy A3 aligned with Rwy 25. Acft departing Rwy 21 at Twy A3 must verify heading prior to txf due to wrong rwy departure risk.
OREGON		
EUGENE		
MAHLON SWEET FLD (EUG)	HS 1	Acft taxiing to Rwy 34L often miss right turn at Twy A8 or Twy A9. Do not mistake Rwy 34L apch hold sign on Twy A south of Twy A9 for rwy entrance.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
NORTH BEND SOUTHWEST OREGON RGNL (OTH)	HS 1	Twy C crosses the north end of Rwy 13–31. Pilots have mistaken the rwy as part of the twy and taxied onto Rwy 13–31 without clearance.
PENDLETON EASTERN OREGON RGNL AT PENDLETON (PDT)	HS 1	The hold line for Rwy 29 extends across a portion of the ramp and is approximately 360' long. The signs are difficult to see from some spots on the ramp.
PORTLAND PORTLAND INTL (PDX)	HS 1	Limited wing-tip clearance at twy convergence point. Pilots taxiing eastbound on Twy B should hold at the twy holding position marking when directed by ATC.
	HS 2	Hold line for Rwy 03–21 is on Twy K. Pilots should be prepared to hold short of Rwy 21 on Twy K unless an authorization to cross has been issued by ATC.
	HS 3	Pilots taxiing outbd from the GA ramp via Twy A4 sometimes miss the turn onto Twy A and enter Rwy 10L–28R w/o authorization.
PORTLAND PORTLAND–HILLSBORO (HIO)	HS 1	Acft exiting Rwy 13R–31L at Twy A6 have only 90' of clnc between Twy A cntrln and holding posn markings.
	HS 2	Pilots taxiing from the Rwy 31L run-up area via Twy A8 to Rwy 31L for dep sometimes fail to hold short of Rwy 13R–31L.
REDMOND ROBERTS FLD (RDM)	HS 1	Pilots eastbound on Twy G sometimes miss the turn onto Twy F and cross the Rwy 05–23 hold line.
	HS 2	Pilots eastbound on Twy C sometimes miss the turn onto Twy F and cross the Rwy 05–23 hold line.
WASHINGTON		
BELLINGHAM BELLINGHAM INTL (BLI)	HS 1	Confusing twy int for pilots exiting/taxiing Rwy 16–34 via Twy D.
	HS 2	Congested int of Twy A and Twy F during Rwy 34 ops for acft taxiing to, or exiting Rwy 34 via Twy F.
EVERETT SNOHOMISH CO (PAINE FLD) (PAE)	HS 1	Pilots holding short of Rwy 11–29 at Twy A5 or Twy A6 should use caution to stop prior to the rwy holding position marking. Rwy hold position signs are located 230' to the right and 350' to the left of the Twy A5 centerline and may be difficult to locate.
	HS 2	Rwy 29 thld in close proximity to ramp areas.
	HS 3	Twy A between Twy A9 and Twy A10 not visible from ATCT.
MOSES LAKE GRANT CO INTL (MWH)	HS 1	Unusual hold line location on Twy C, 1568' short of Rwy 18 Thld.
	HS 2	Rwy 09–27 clsd except mil ops. Rwy 09–27 has no rwy markings and NSTD rwy lgts.
OLYMPIA OLYMPIA RGNL (OLM)	HS 1	No rwy holding position signs for Rwy 8–26 on Rwy 17–35.
PASCO TRI-CITIES (PSC)	HS 1	Pilots ldg Rwy 30 should listen carefully to ATCT instructions and be prepared to exit onto Rwy 03R–21L or Rwy 03L–21R. Pilots often exit at the wrong rwy as directions signs are not avbl.
	HS 2	Pilots sometimes cross Rwy 21L without authorization. When twr is opr, ATC clearance is required to enter or cross rwy.
SEATTLE BOEING FLD/KING CO INTL (BFI)	HS 1	Twy Z restricted access area.
	HS 2	Rwy 13R–31L and Twy A9. Wrong rwy departure risk.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
SEATTLE		
SEATTLE-TACOMA INTL (SEA)	HS 1	Acft taxiing to Rwy 34C at Twy Q for departure sometimes enter Rwy 34R without authorization after reading back hold short instructions. Rwy 34R hold position is only 275' from the ramp and movement area boundary.
	HS 2	Acft exiting Rwy 34C at Twy F sometimes enter Rwy 34R without authorization, taxi distance is very short and pilots should use caution to stop at hold line unless authorized to cross the rwy.
SPOKANE		
FELTS FLD (SFF)	HS 1	Complex intersection of Twy A, Twy B, Twy C and ramp. Rwy 04R APCH hold line in close proximity to ramp on Twy C.
WALLA WALLA		
WALLA WALLA RGNL (ALW)	HS 1	Wrong rwy departure risks exist when departing Rwy 20 or Rwy 25.
YAKIMA		
YAKIMA AIR TERMINAL/MCALLISTER FLD (YKM)	HS 1	Twy C, Twy B, and Rwy 22 complex intersection. Rwy hold lines are at an unusual distance from rwy edge, rwy markings not easily visible from hold line.
WYOMING		
CASPER		
CASPER/NATRONA CO INTL (CPR)	HS 1	Pilots sometimes taxi past Twy A onto Rwy 03-21 without authorization. Twy A on edge of ramp with no signage, and Twy A5 has direct access to Rwy from ramp.
CHEYENNE		
CHEYENNE RGNL/JERRY OLSON FLD (CYS)	HS 1	Confusing twy configuration. Twy A transitions to Twy B and back to Twy A when taxiing to and from Rwy 13-31.
JACKSON		
JACKSON HOLE (JAC)	HS 1	There is no "Twy Edge" marking or lighting on East side of Twy A adjacent to De-ice Pad between Twy A2-Twy A4. Existing lighting is misleading to pilots.
	HS 2	Pilots Idg Rwy 19 fail to stop and have a tendency to taxi into blast pad.

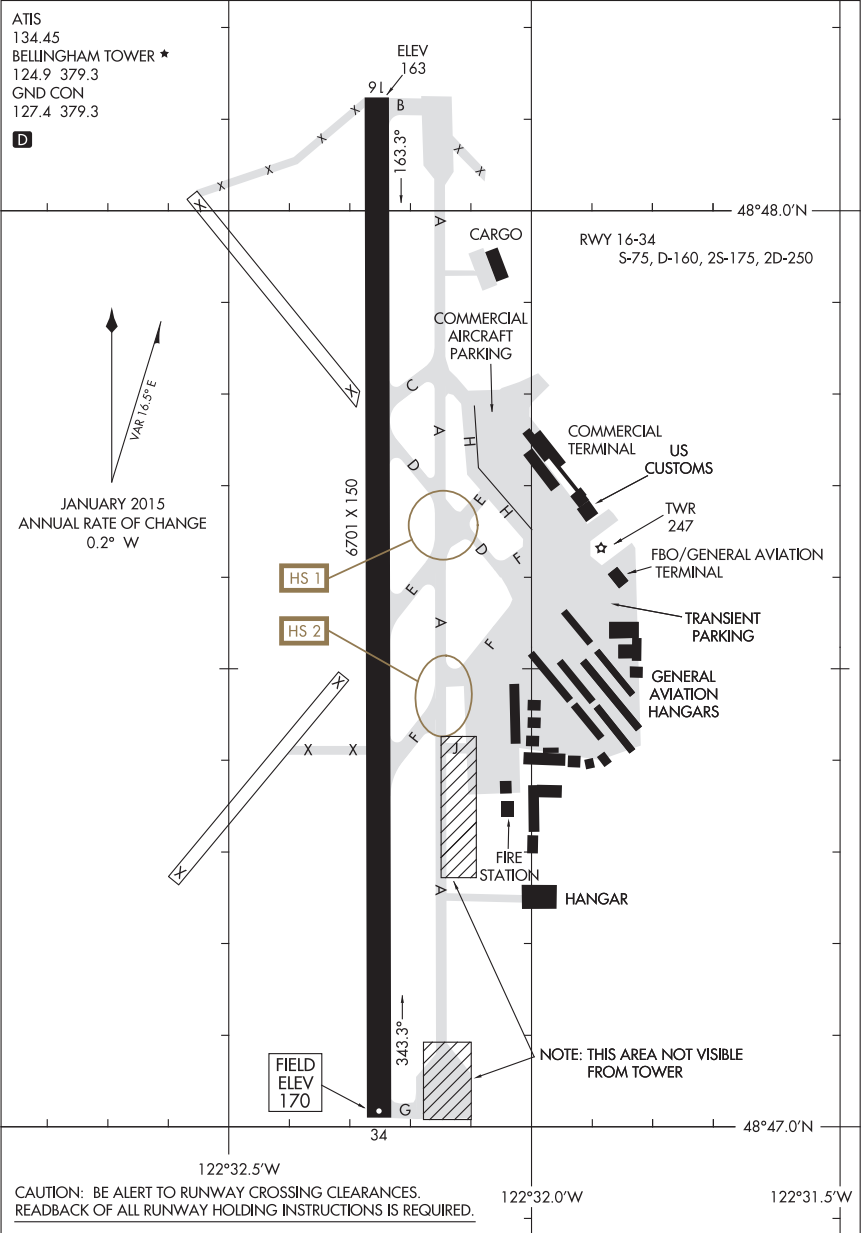


15288

AIRPORT DIAGRAM

AL-45 (FAA)

BELLINGHAM INTL (BLI)
BELLINGHAM, WASHINGTON



AIRPORT DIAGRAM

15288

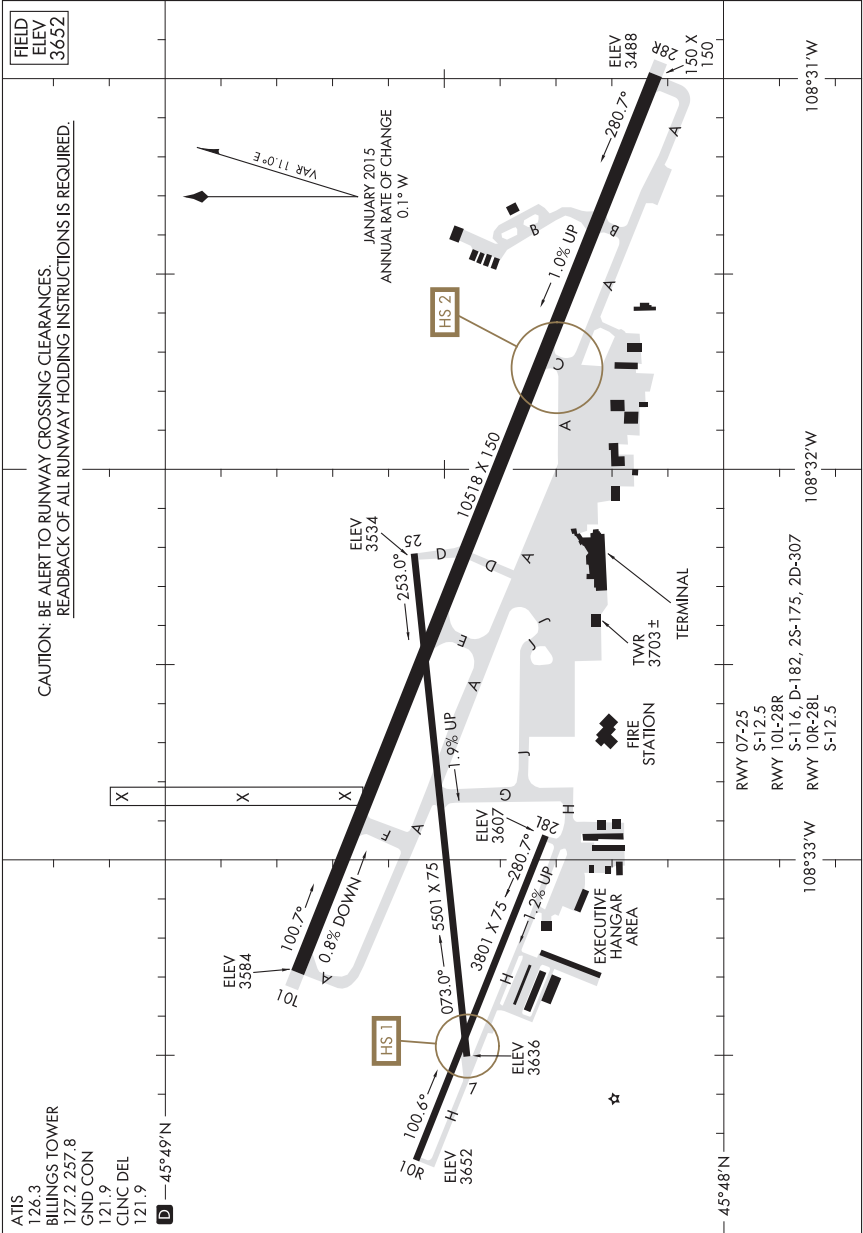
BELLINGHAM, WASHINGTON
BELLINGHAM INTL (BLI)

15120

AIRPORT DIAGRAM

AL-48 (FAA)

BILLINGS LOGAN INTL (BIL)
BILLINGS, MONTANA



AIRPORT DIAGRAM

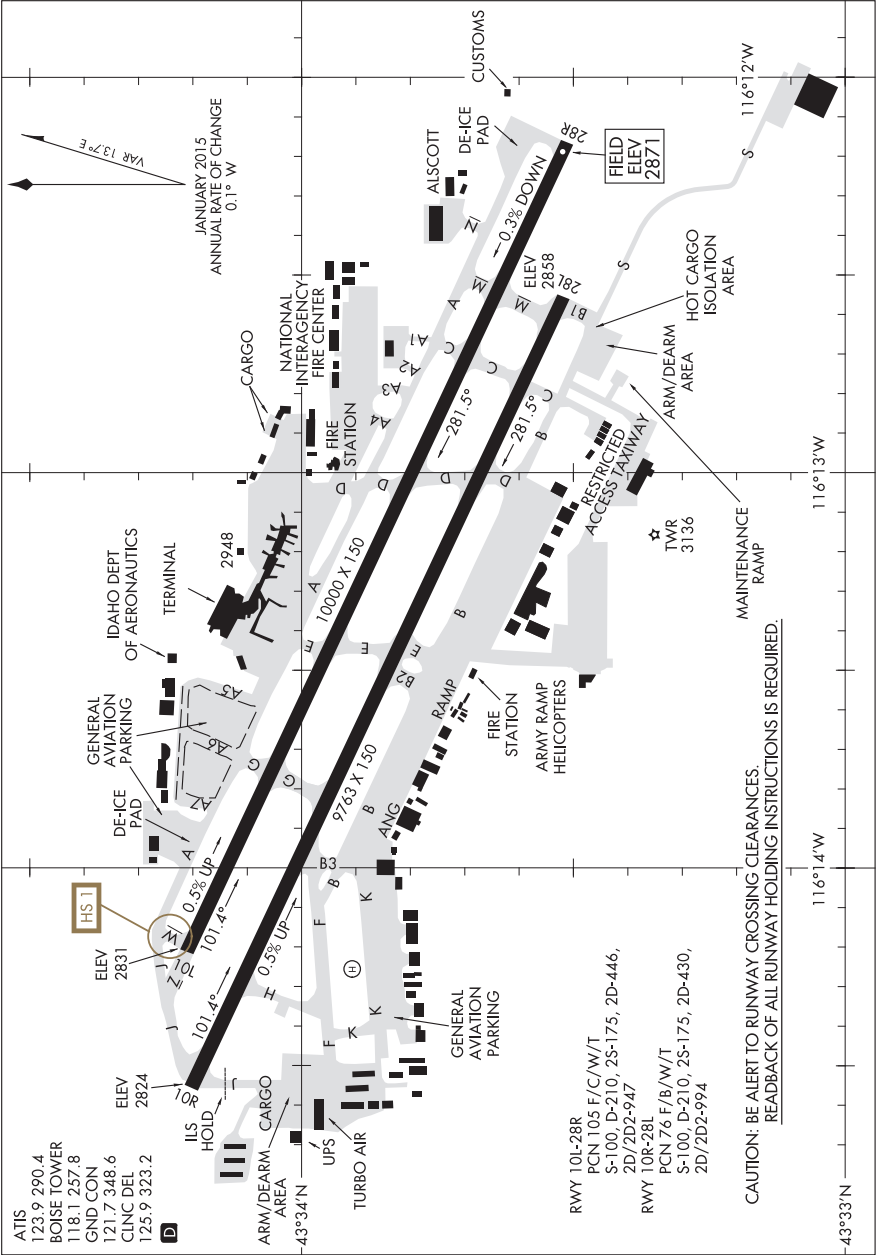
15120

BILLINGS, MONTANA
BILLINGS LOGAN INTL (BIL)

15232

AIRPORT DIAGRAM

BOISE AIR TERMINAL/GOWEN FIELD (BOI)
AL-57 (FAA) BOISE, IDAHO



AIRPORT DIAGRAM

BOISE, IDAHO
BOISE AIR TERMINAL/GOWEN FIELD (BOI)

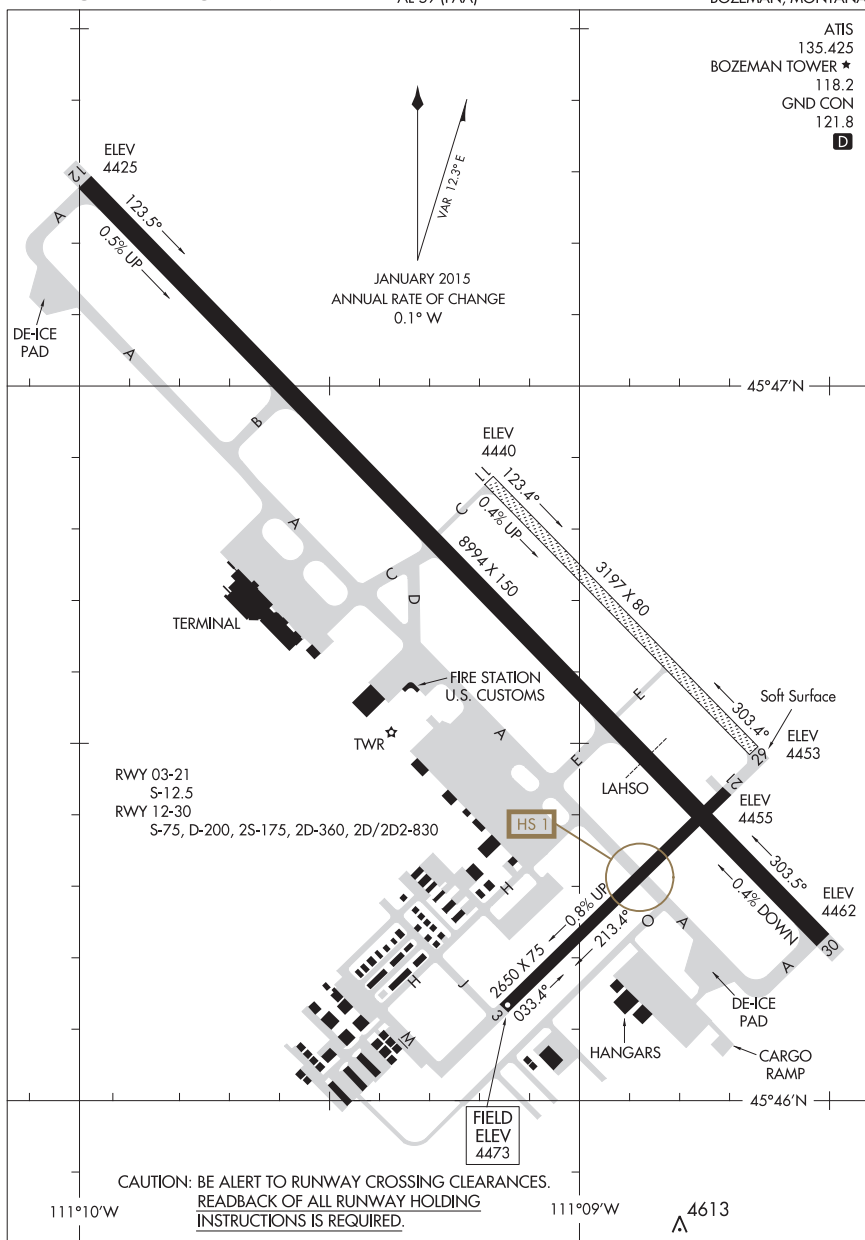
15232

15064

AIRPORT DIAGRAM

BOZEMAN YELLOWSTONE INTL (BZN)

BOZEMAN, MONTANA



AIRPORT DIAGRAM

15064

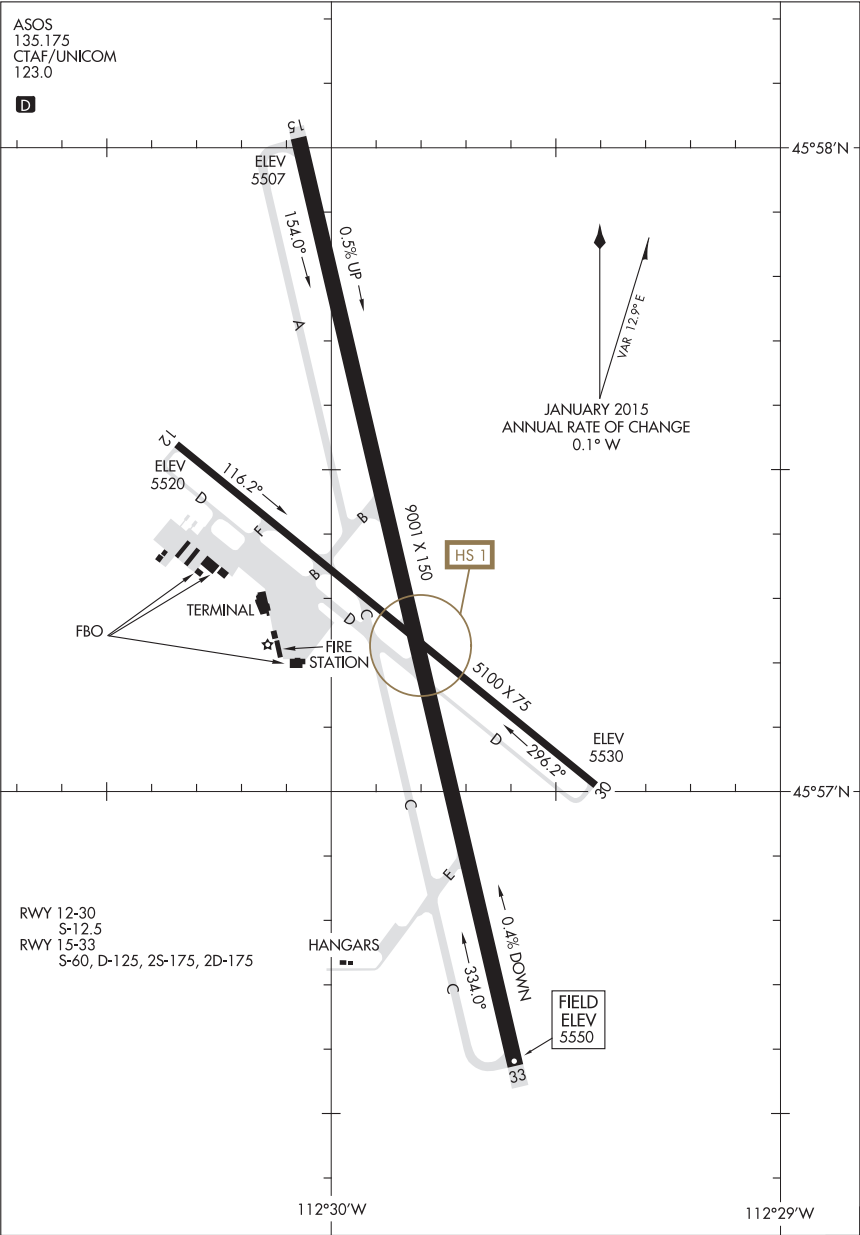
BOZEMAN, MONTANA
BOZEMAN YELLOWSTONE INTL (BZN)

16035

AIRPORT DIAGRAM

AL-588 (FAA)

BERT MOONEY (BTM)
BUTTE, MONTANA



AIRPORT DIAGRAM

16035

BUTTE, MONTANA
BERT MOONEY (BTM)

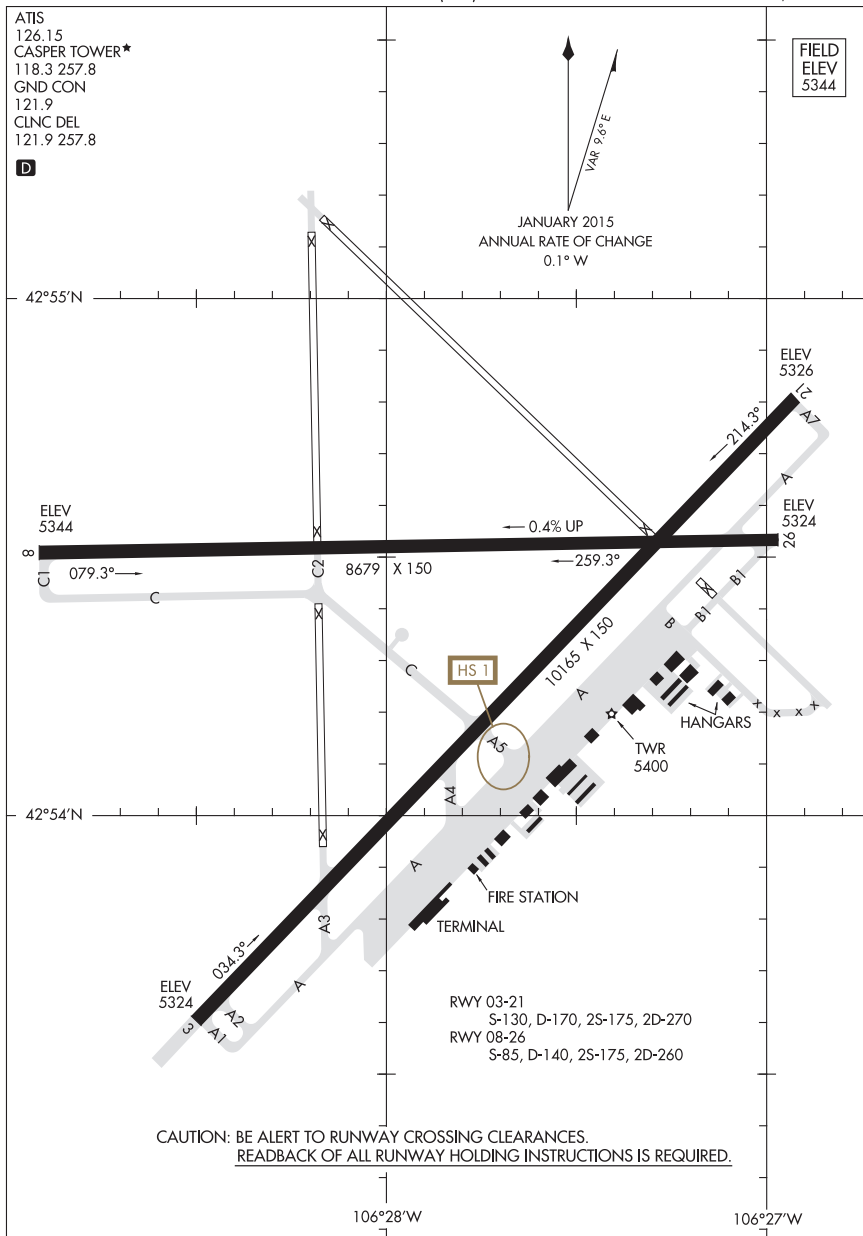
15176

AIRPORT DIAGRAM

CASPER/NATRONA COUNTY INTL (CPR)

AL-72 (FAA)

CASPER, WYOMING



AIRPORT DIAGRAM

15176

CASPER, WYOMING
CASPER/NATRONA COUNTY INTL (CPR)

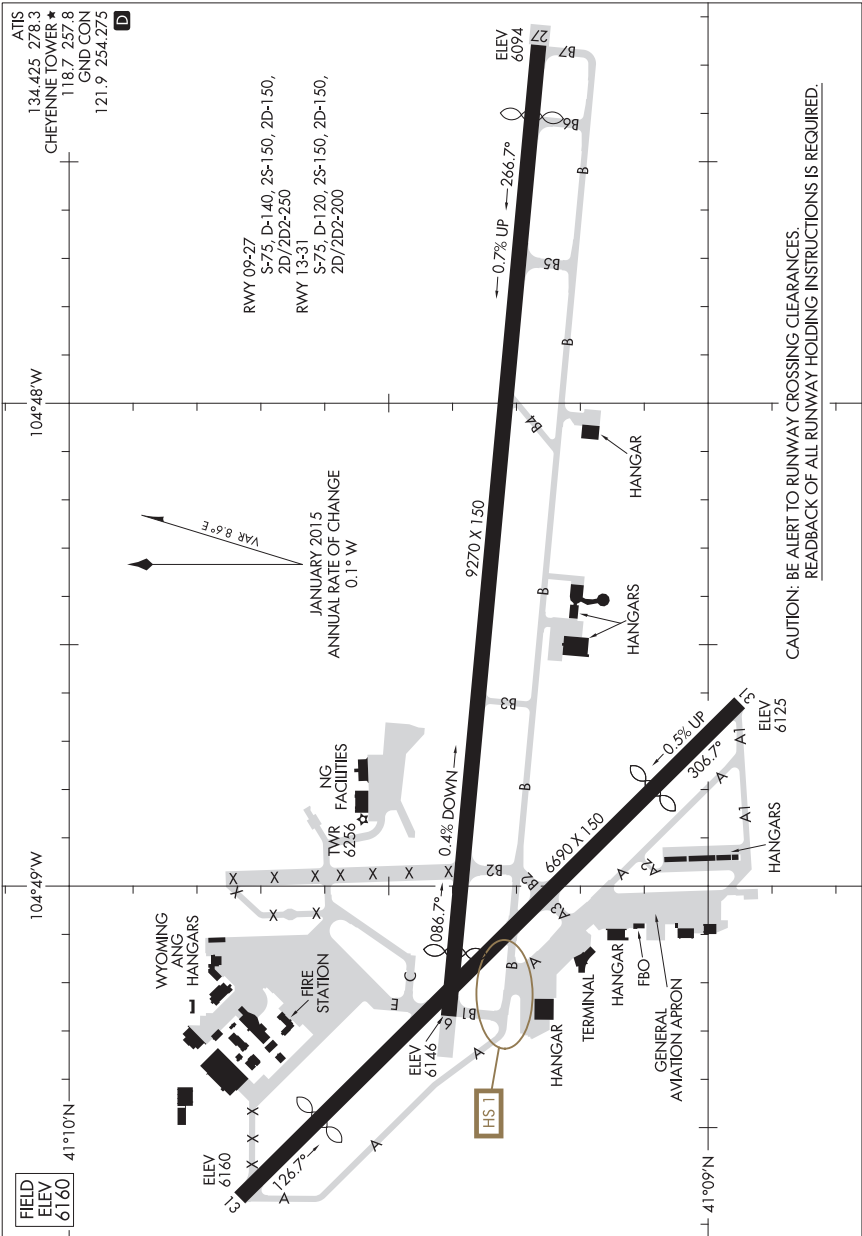
15064

AIRPORT DIAGRAM

CHEYENNE RGNL/JERRY OLSON FIELD (CYS)

AL-80 (FAA)

CHEYENNE, WYOMING



AIRPORT DIAGRAM

CHEYENNE RGNL/JERRY OLSON FIELD (CYS)

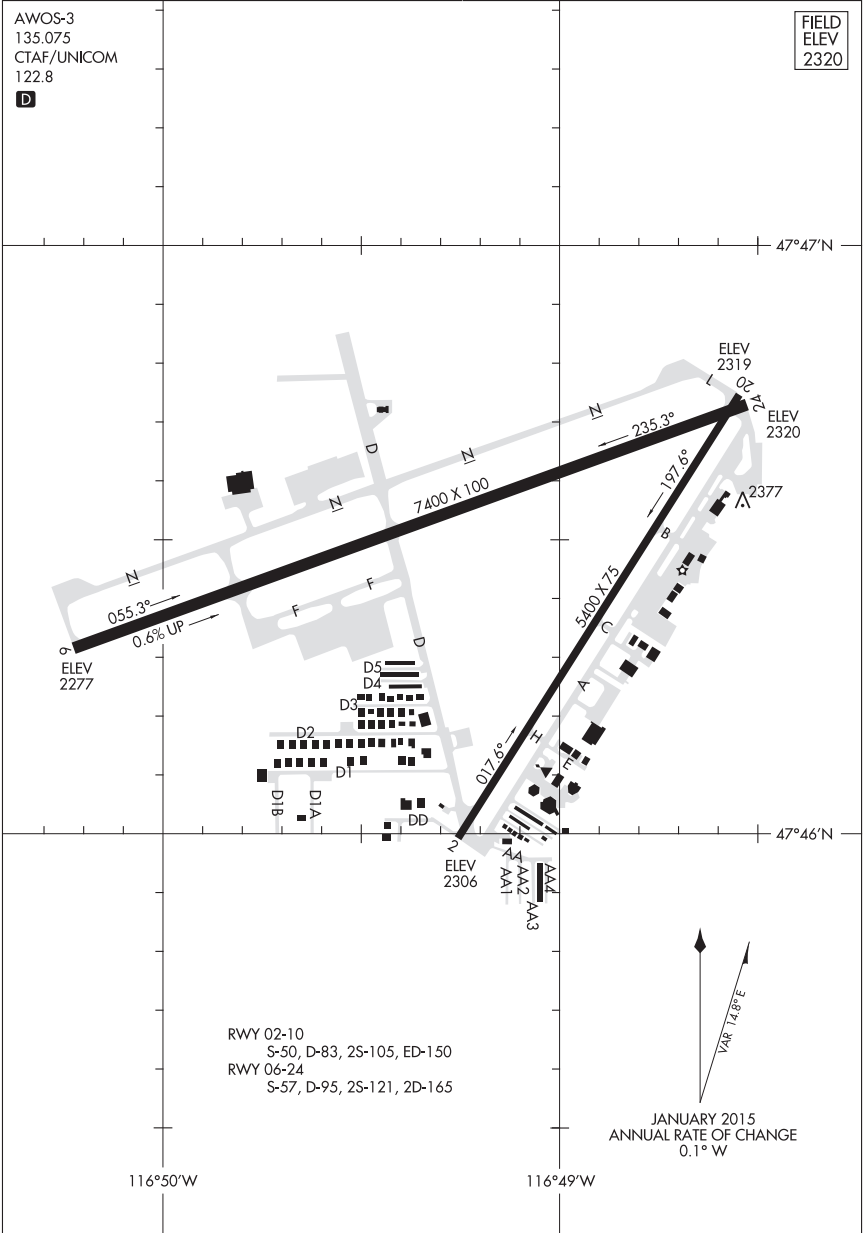
CHEYENNE, WYOMING

15064

15232

AIRPORT DIAGRAM

COEUR D'ALENE-PAPPY BOYINGTON FIELD (CØE)
AL-527 (FAA) COEUR D'ALENE, IDAHO



AIRPORT DIAGRAM

15232

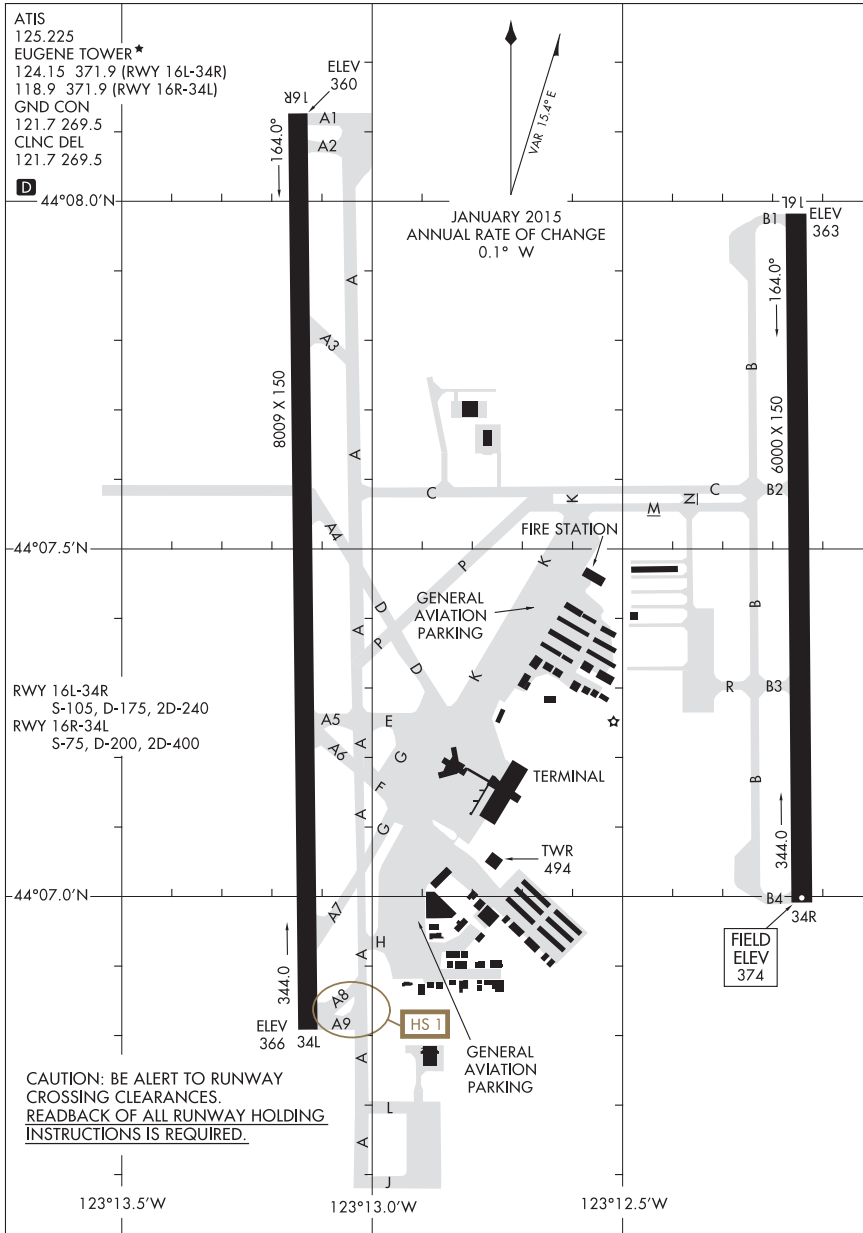
COEUR D'ALENE, IDAHO
COEUR D'ALENE-PAPPY BOYINGTON FIELD (CØE)

15232

AIRPORT DIAGRAM

AL-140 (FAA)

MAHLON SWEET FIELD (EUG)
EUGENE, OREGON



CAUTION: BE ALERT TO RUNWAY
CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING
INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

15232

EUGENE, OREGON
MAHLON SWEET FIELD (EUG)

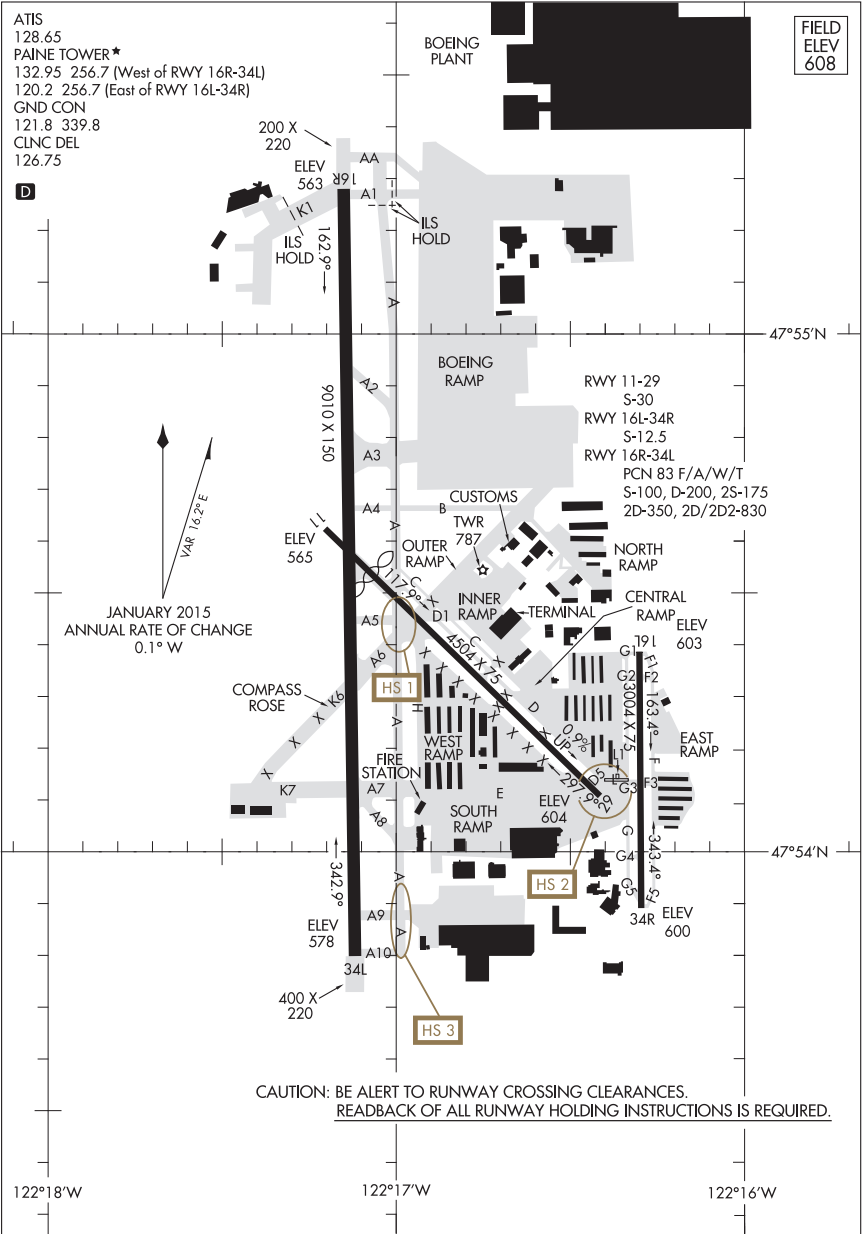
16091

AIRPORT DIAGRAM

SNOHOMISH COUNTY (PAINE FIELD) (P.A.E.)

AL-142 (FAA)

EVERETT, WASHINGTON



AIRPORT DIAGRAM

EVERETT, WASHINGTON

SNOHOMISH COUNTY (PAINE FIELD) (P.A.E.)

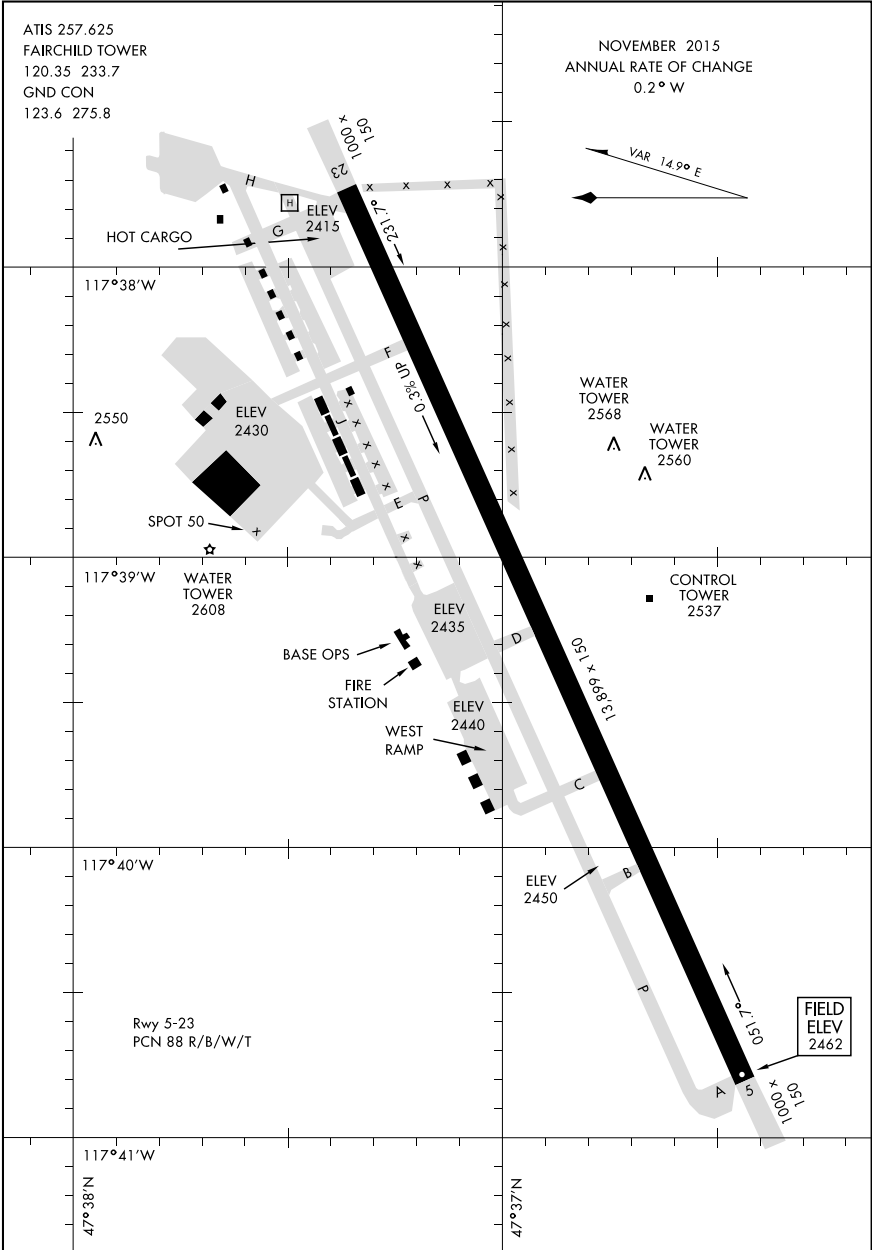
16091

15316

FAIRCHILD AFB (KSKA)
SPOKANE, WASHINGTON

AIRPORT DIAGRAM

AFD-553 [USAF]



AIRPORT DIAGRAM

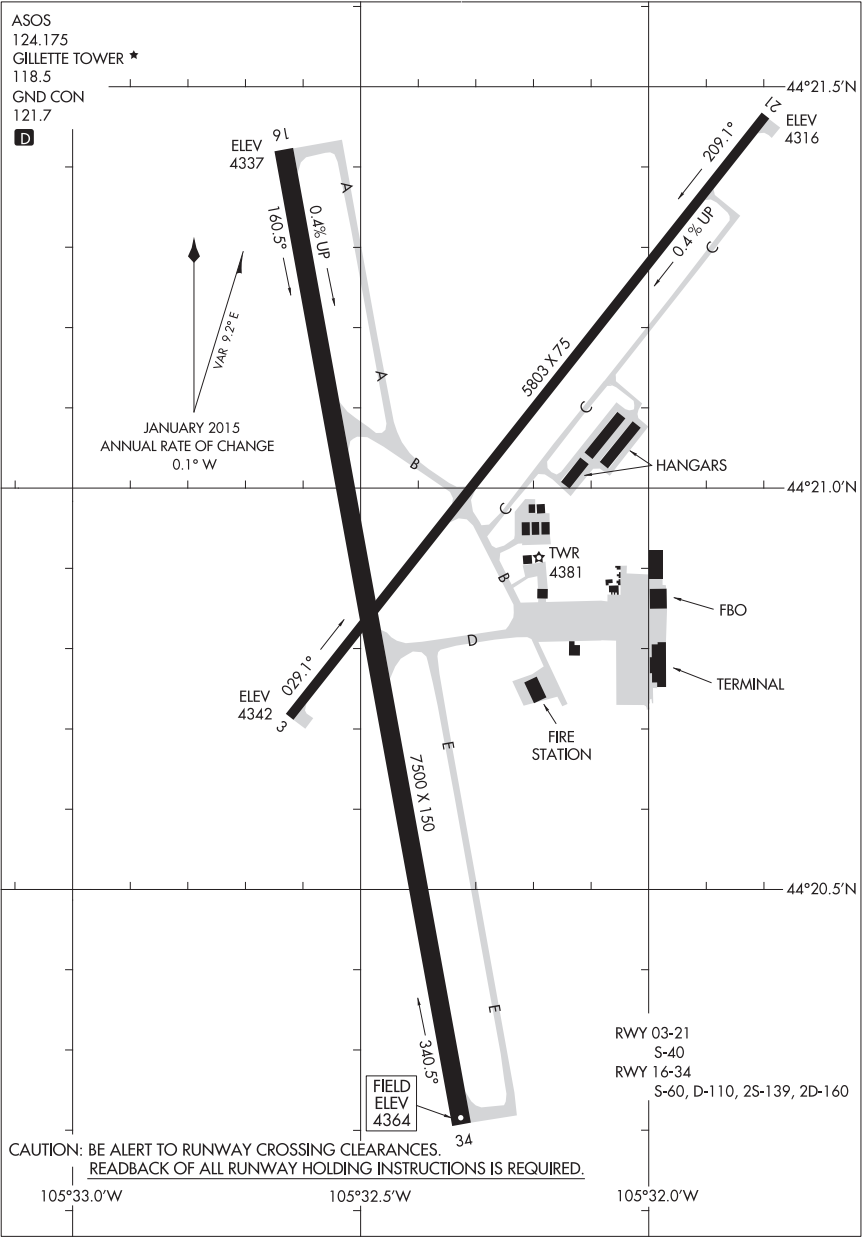
SPOKANE, WASHINGTON
FAIRCHILD AFB (KSKA)

15064

AIRPORT DIAGRAM

AL-5728 (FAA)

GILLETTE-CAMPBELL COUNTY (GCC)
GILLETTE, WYOMING



AIRPORT DIAGRAM

15064

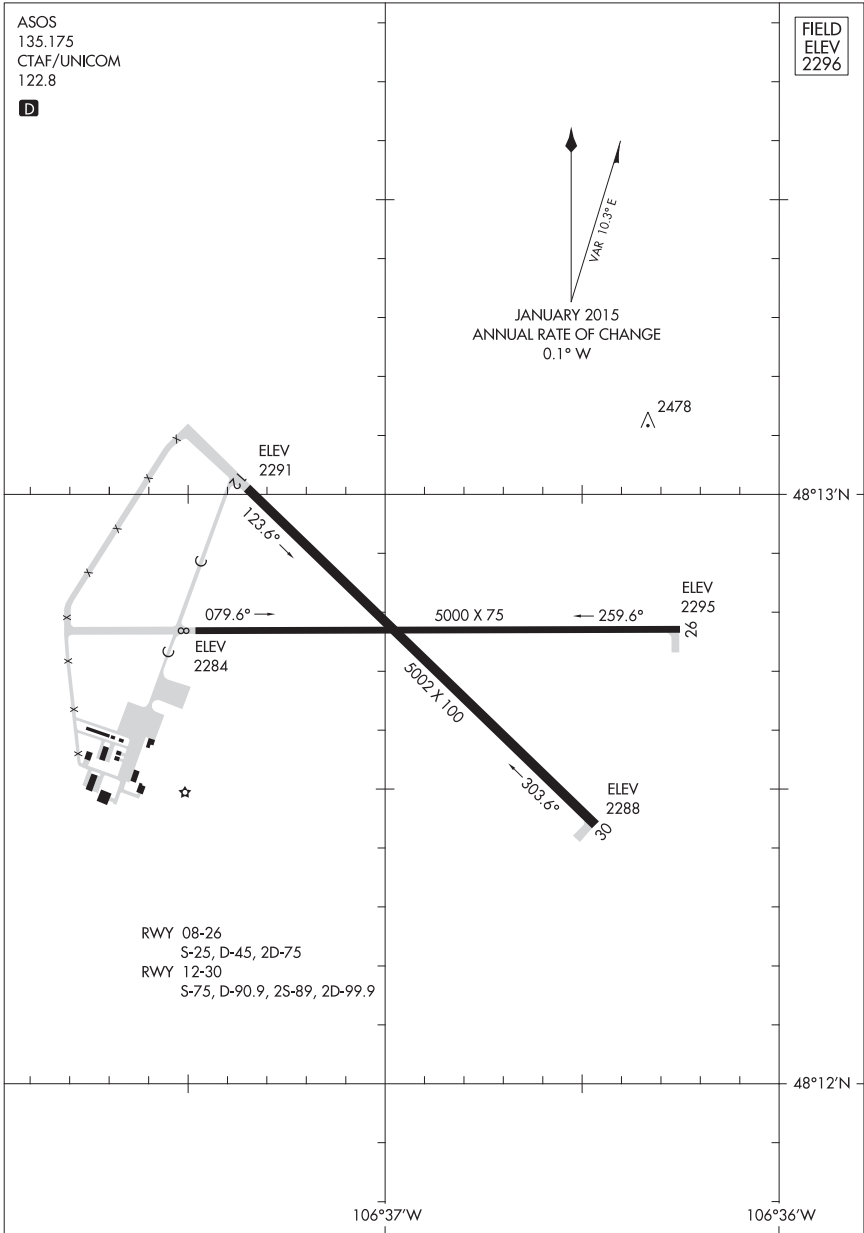
GILLETTE, WYOMING
GILLETTE-CAMPBELL COUNTY (GCC)

15064

AIRPORT DIAGRAM

AL-5382 (FAA)

WOKAL FIELD/GLASGOW INTL (GGW)
GLASGOW, MONTANA



AIRPORT DIAGRAM

15064

GLASGOW, MONTANA

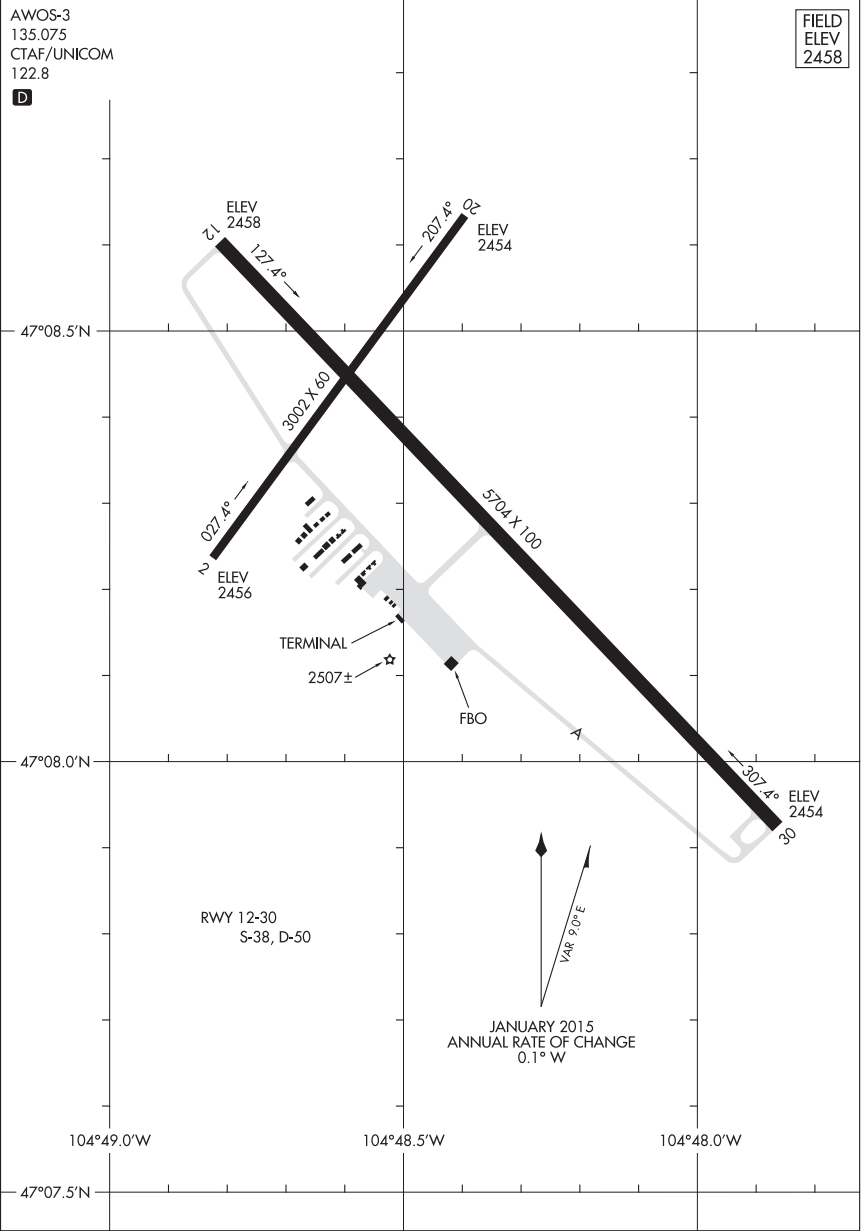
WOKAL FIELD/GLASGOW INTL (GGW)

15344

AIRPORT DIAGRAM

AL-6078 (FAA)

DAWSON COMMUNITY (GDV)
GLEN DIVE, MONTANA



AIRPORT DIAGRAM

15344

GLEN DIVE, MONTANA
DAWSON COMMUNITY (GDV)

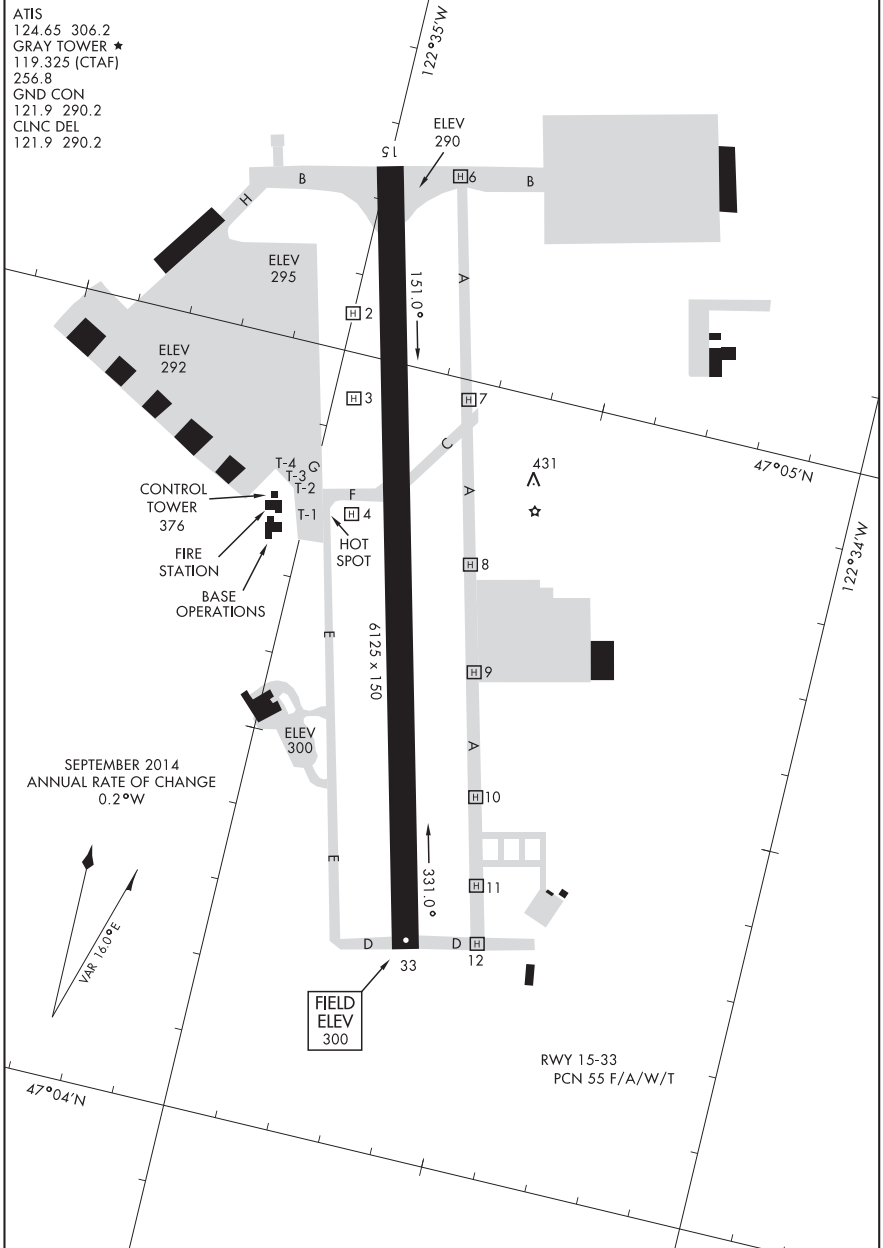
14261

GRAY AAF (KGRF)

AIRPORT DIAGRAM

AFD-413 [USA]

JOINT BASE LEWIS MCCORD, WASHINGTON



AIRPORT DIAGRAM

JOINT BASE LEWIS MCCORD, WASHINGTON

GRAY AAF (KGRF)

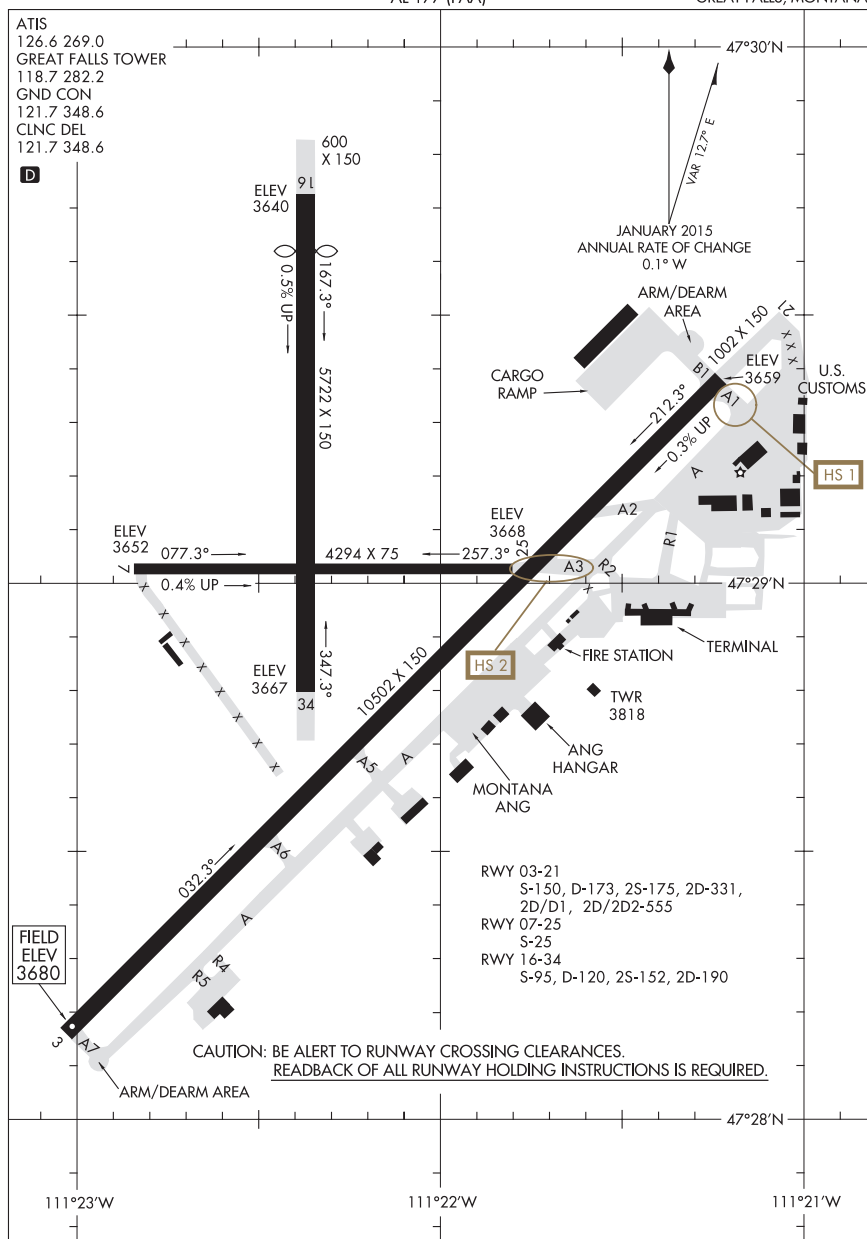
15120

AIRPORT DIAGRAM

AL-177 (FAA)

GREAT FALLS INTL (GTF)

GREAT FALLS, MONTANA



AIRPORT DIAGRAM

15120

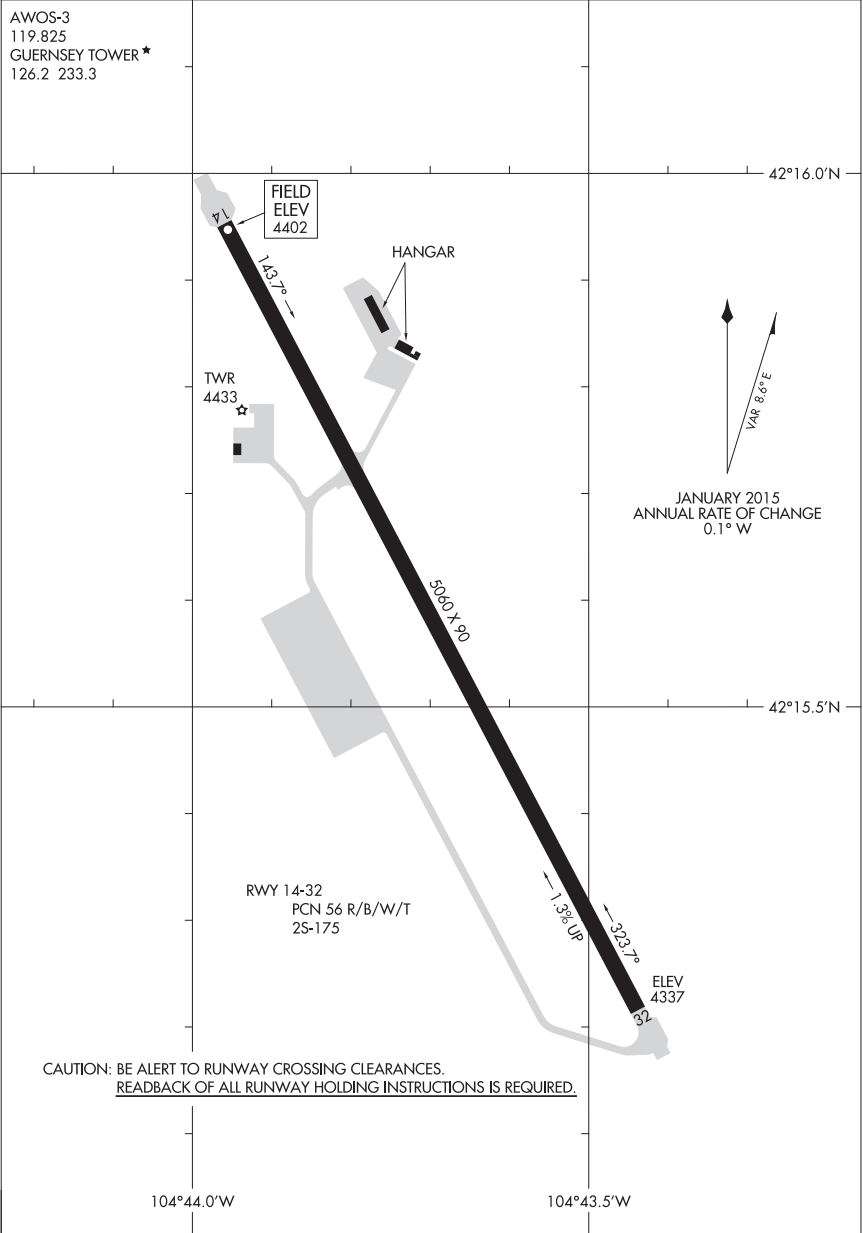
GREAT FALLS, MONTANA
GREAT FALLS INTL (GTF)

15064

AIRPORT DIAGRAM

AL-9220 (FAA)

CAMP GUERNSEY (GUR)
GUERNSEY, WYOMING



AIRPORT DIAGRAM

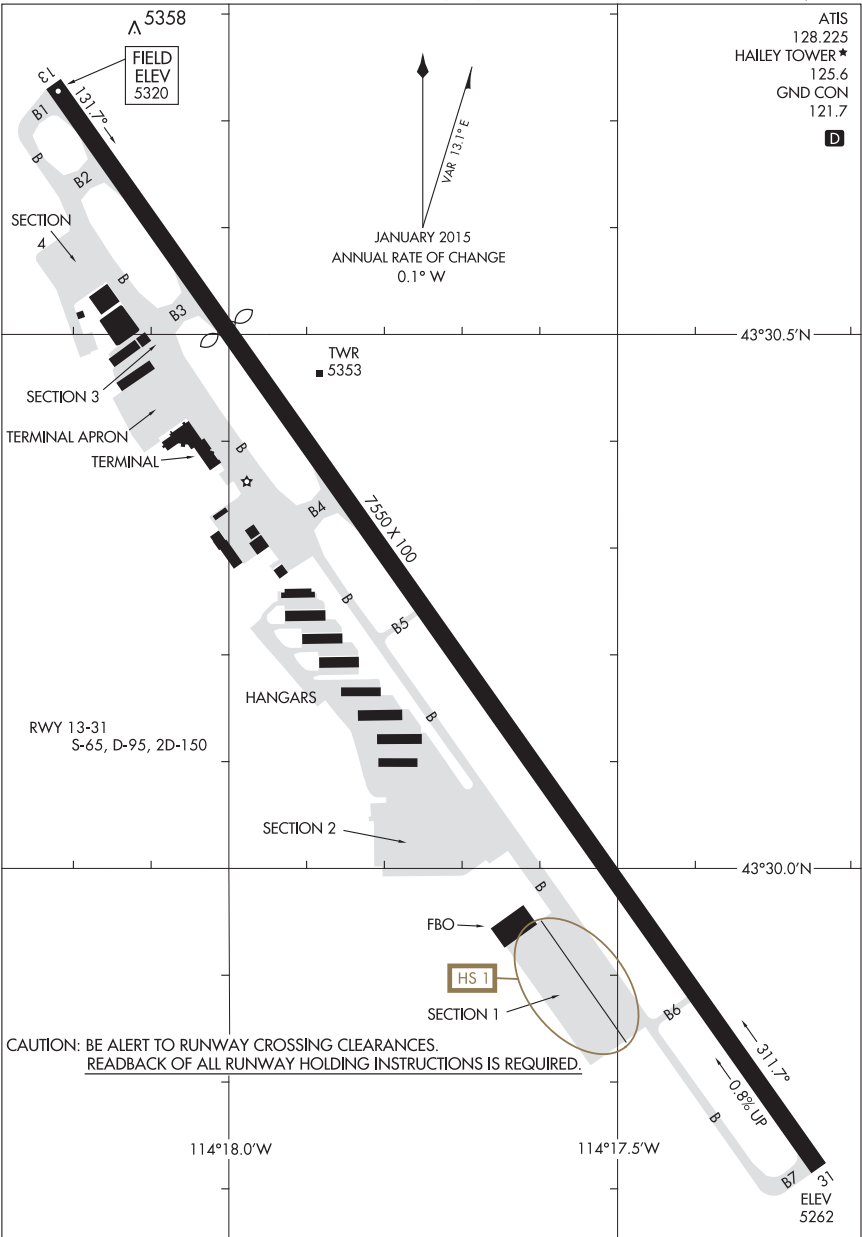
15064

GUERNSEY, WYOMING
CAMP GUERNSEY (GUR)

15344

AIRPORT DIAGRAM

FRIEDMAN MEMORIAL (SUN)
HAILEY, IDAHO



AIRPORT DIAGRAM

HAILEY, IDAHO
FRIEDMAN MEMORIAL (SUN)

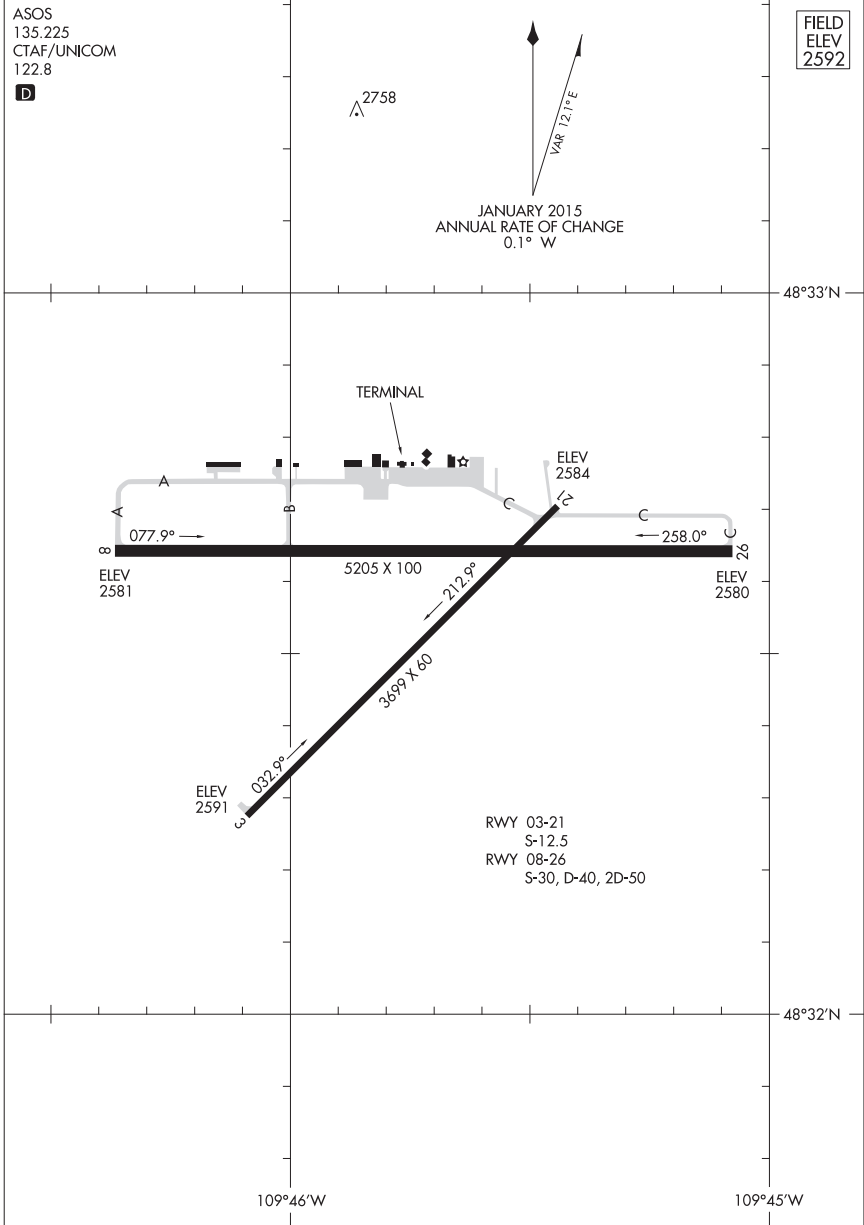
15344

15064

AIRPORT DIAGRAM

AL-5575 (FAA)

HAVRE CITY-COUNTY (HVR)
HAVRE, MONTANA



AIRPORT DIAGRAM

15064

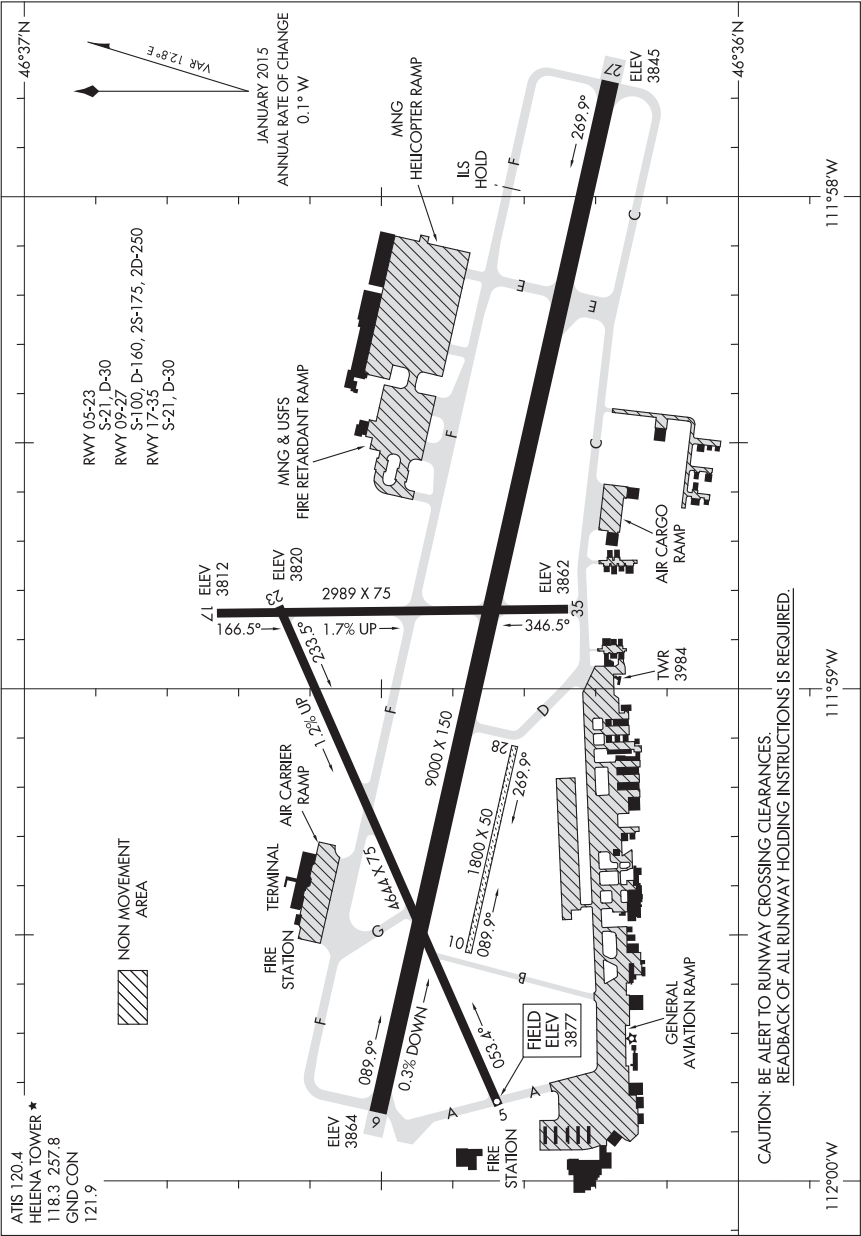
HAVRE, MONTANA
HAVRE CITY-COUNTY (HVR)

15120

AIRPORT DIAGRAM

AL-192 (FAA)

HELENA RGNL (HLN)
HELENA, MONTANA



AIRPORT DIAGRAM

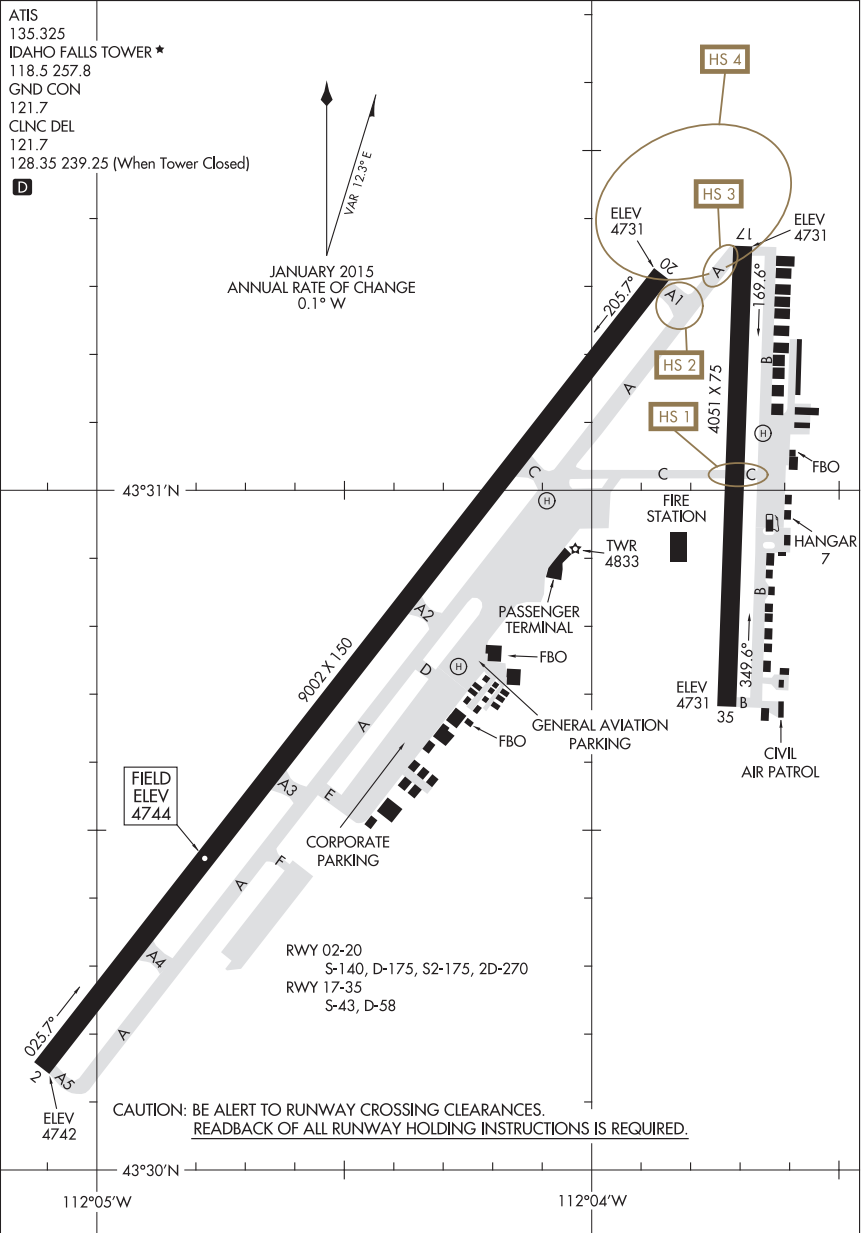
15120

HELENA, MONTANA
HELENA RGNL (HLN)

15120
AIRPORT DIAGRAM

AL-590 (FAA)

IDAHO FALLS RGNL (IDA)
IDAHO FALLS, IDAHO



AIRPORT DIAGRAM

15120

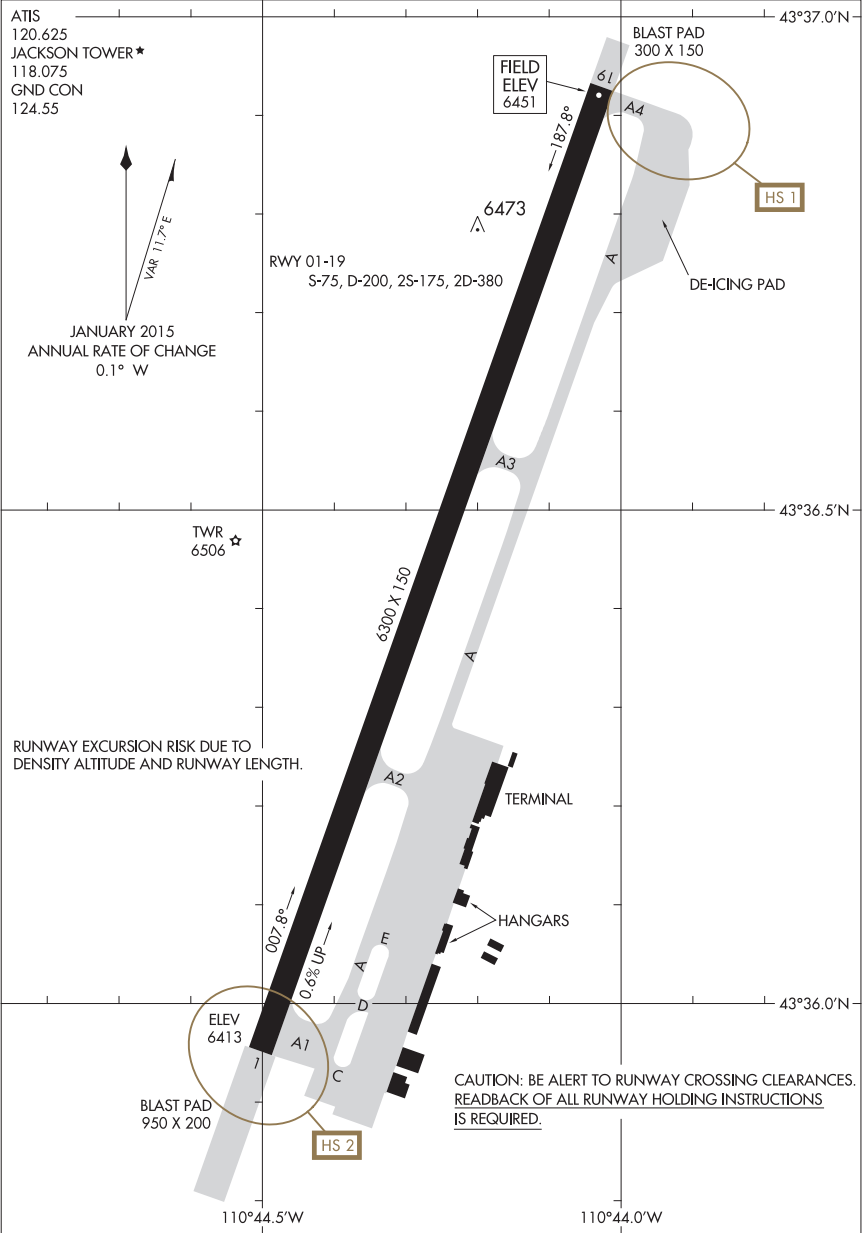
IDAHO FALLS, IDAHO
IDAHO FALLS RGNL (IDA)

15064

AIRPORT DIAGRAM

AL-504 (FAA)

JACKSON HOLE (JAC)
JACKSON, WYOMING



AIRPORT DIAGRAM

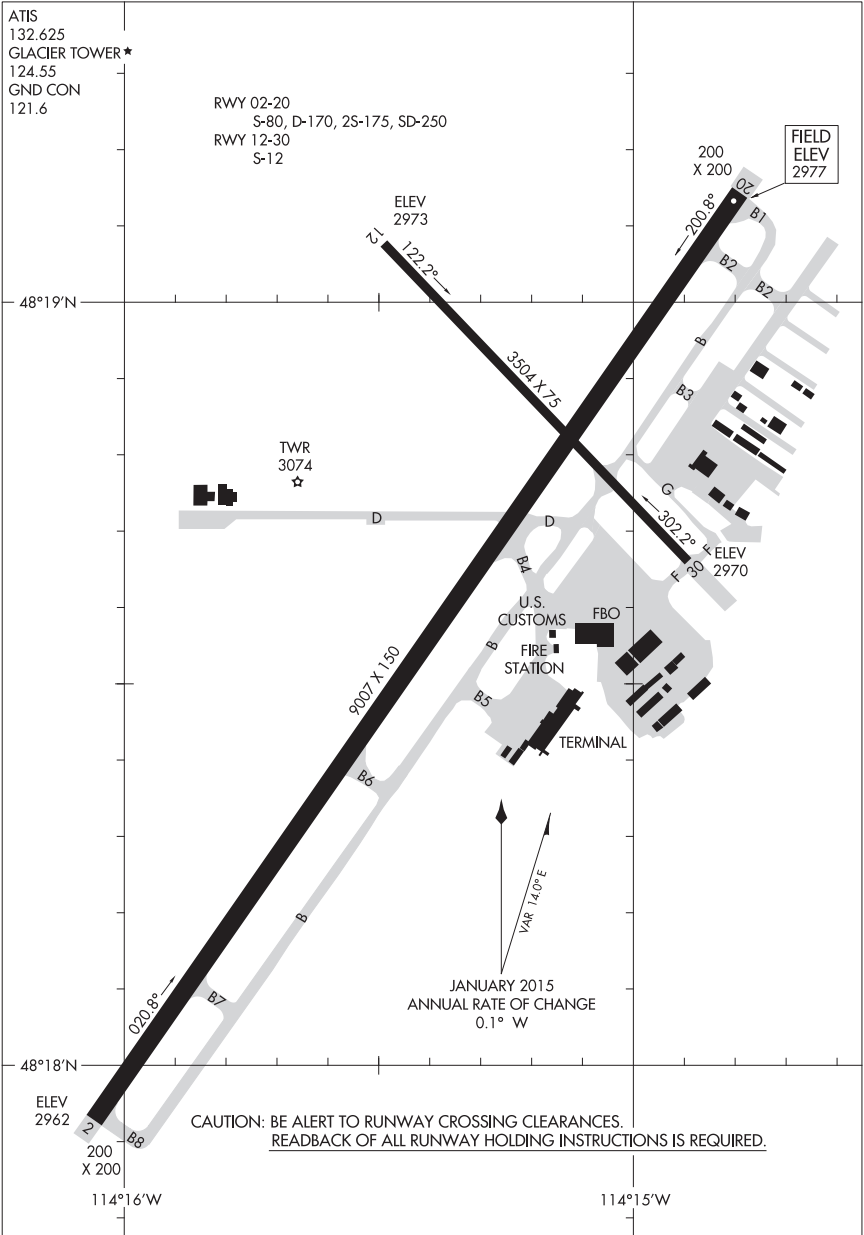
15064

JACKSON, WYOMING
JACKSON HOLE (JAC)

15064
AIRPORT DIAGRAM

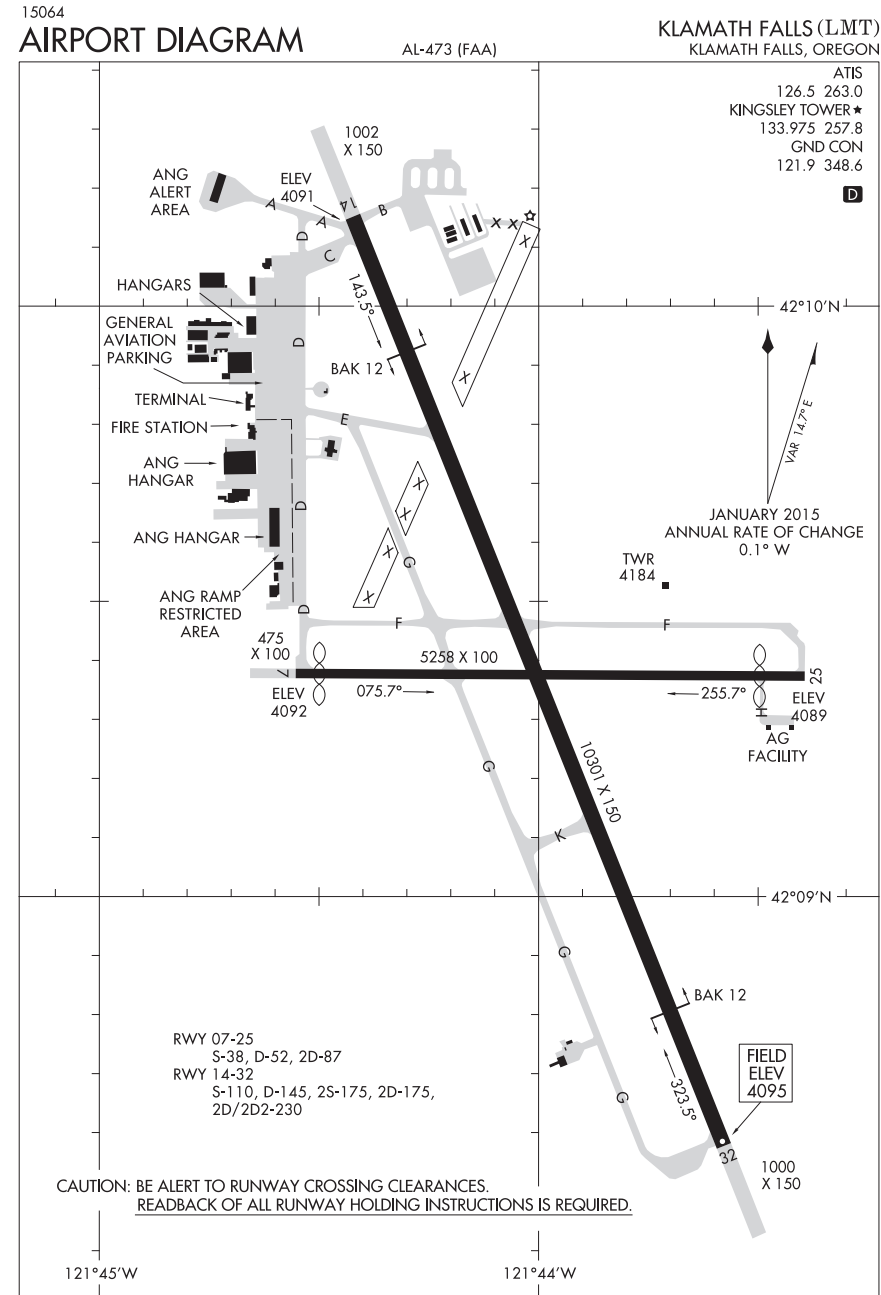
AL-887 (FAA)

GLACIER PARK INTL (GPI)
KALISPELL, MONTANA



AIRPORT DIAGRAM
15064

KALISPELL, MONTANA
GLACIER PARK INTL (GPI)



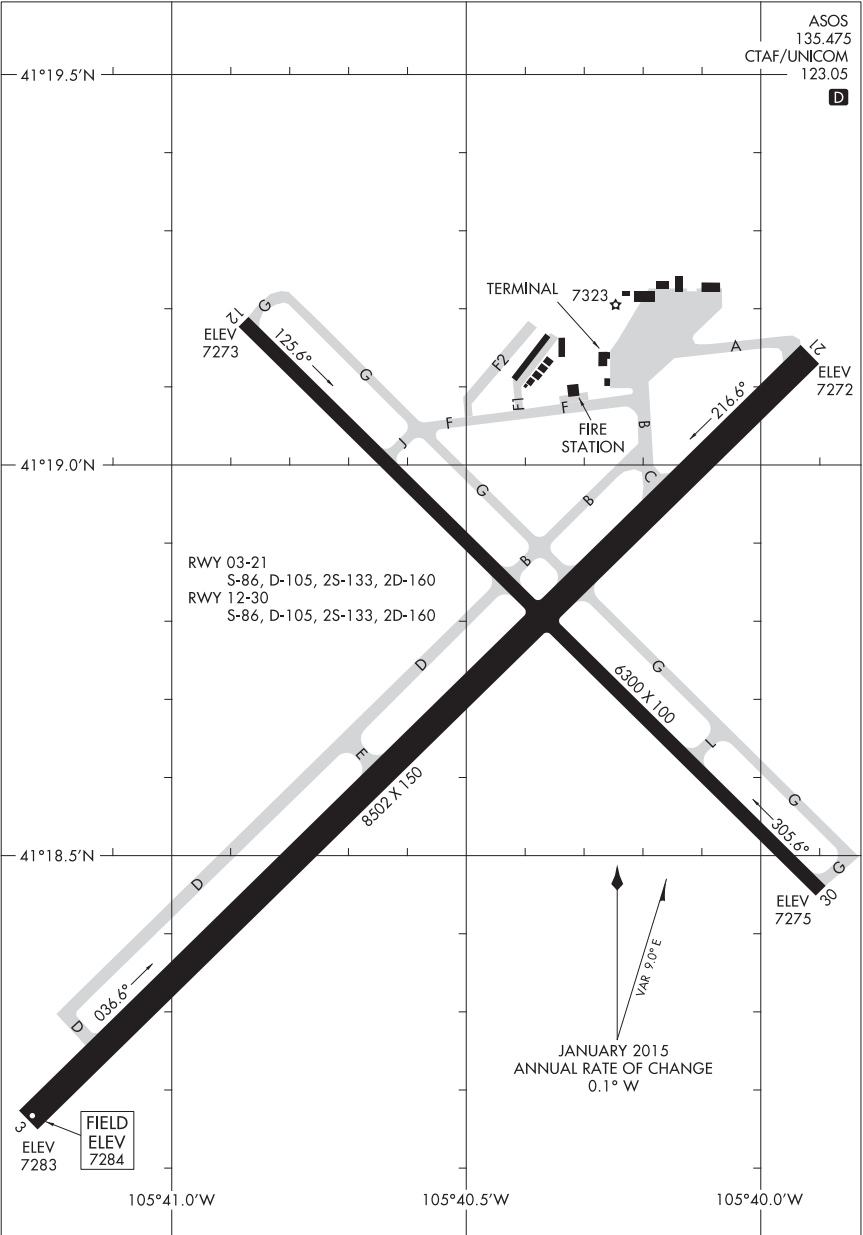
AIRPORT DIAGRAM
15064

KLAMATH FALLS, OREGON
KLAMATH FALLS (LMT)

15064
AIRPORT DIAGRAM

AL-225 (FAA)

LARAMIE RGNL (LAR)
LARAMIE, WYOMING



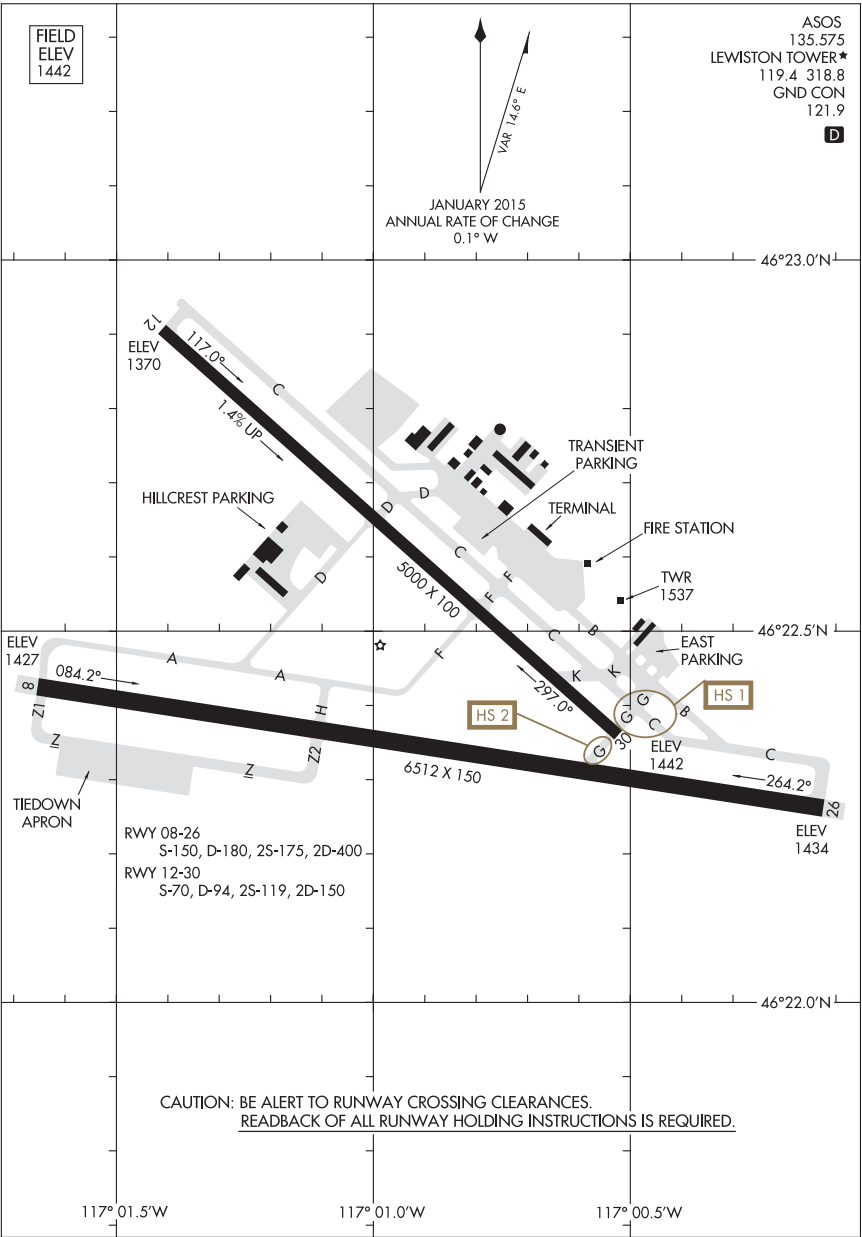
AIRPORT DIAGRAM
15064

LARAMIE, WYOMING
LARAMIE RGNL (LAR)

16035

LEWISTON-NEZ PERCE COUNTY (LWS)
LEWISTON, IDAHO

AIRPORT DIAGRAM



AIRPORT DIAGRAM

16035

LEWISTON, IDAHO
LEWISTON-NEZ PERCE COUNTY (LWS)

13010

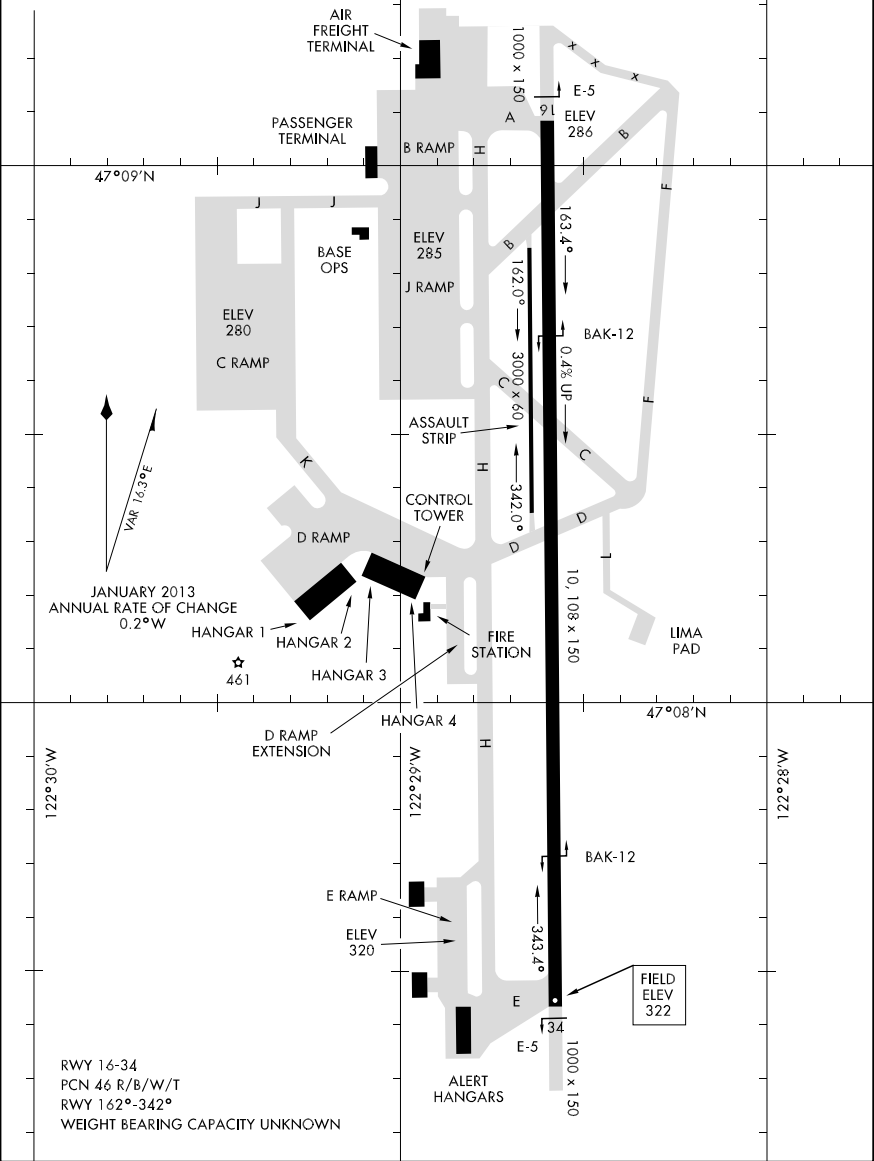
AIRPORT DIAGRAM

AFD-414 [USAF]

MC CHORD FIELD (KTCM)

TACOMA, WASHINGTON

ATIS 109.6 270.1
MC CHORD TOWER
124.8 259.3
GND CON
118.175 279.65



AIRPORT DIAGRAM

TACOMA, WASHINGTON

MC CHORD FIELD (KTCM)

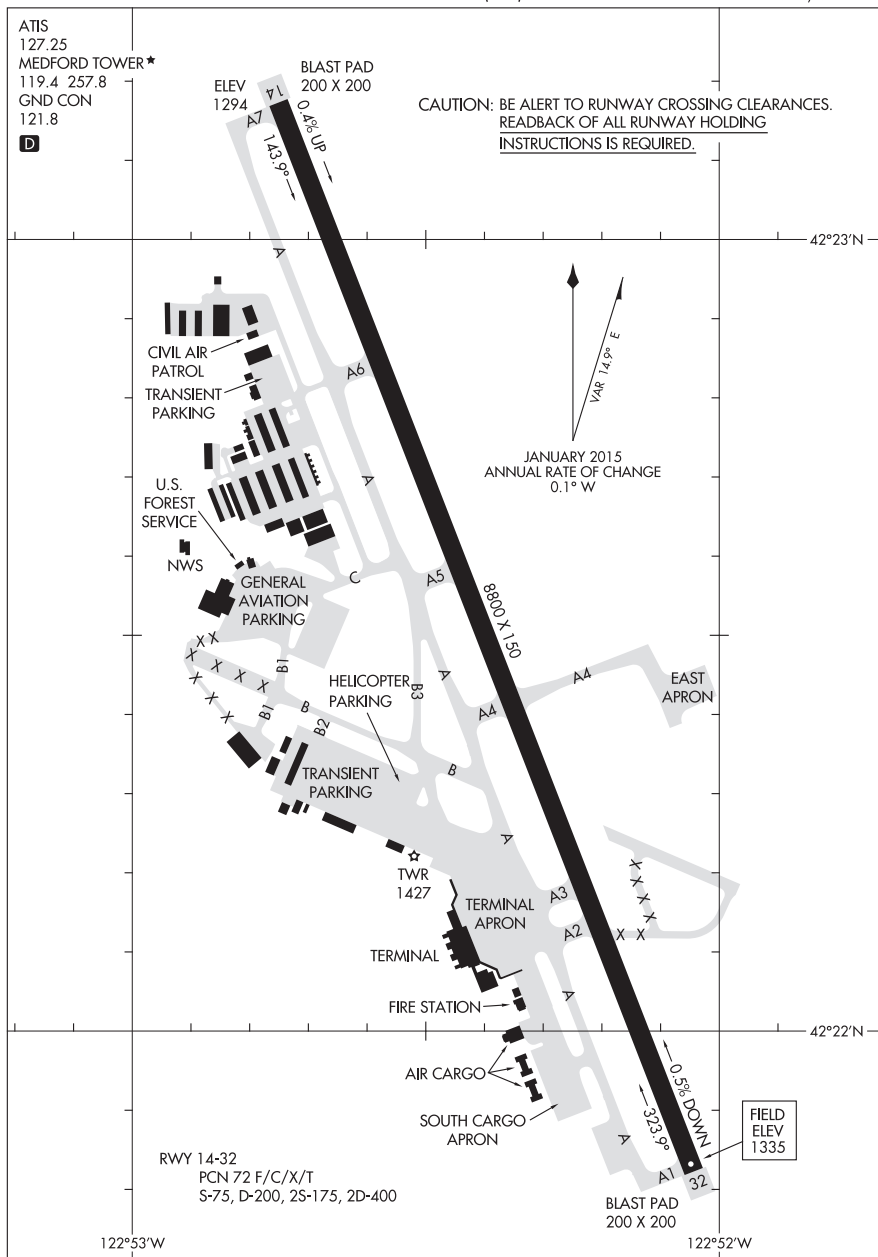
16091

AIRPORT DIAGRAM

ROGUE VALLEY INTL - MEDFORD (MFR)

AL-251 (FAA)

MEDFORD, OREGON



AIRPORT DIAGRAM

MEDFORD, OREGON

ROGUE VALLEY INTL - MEDFORD(MFR)

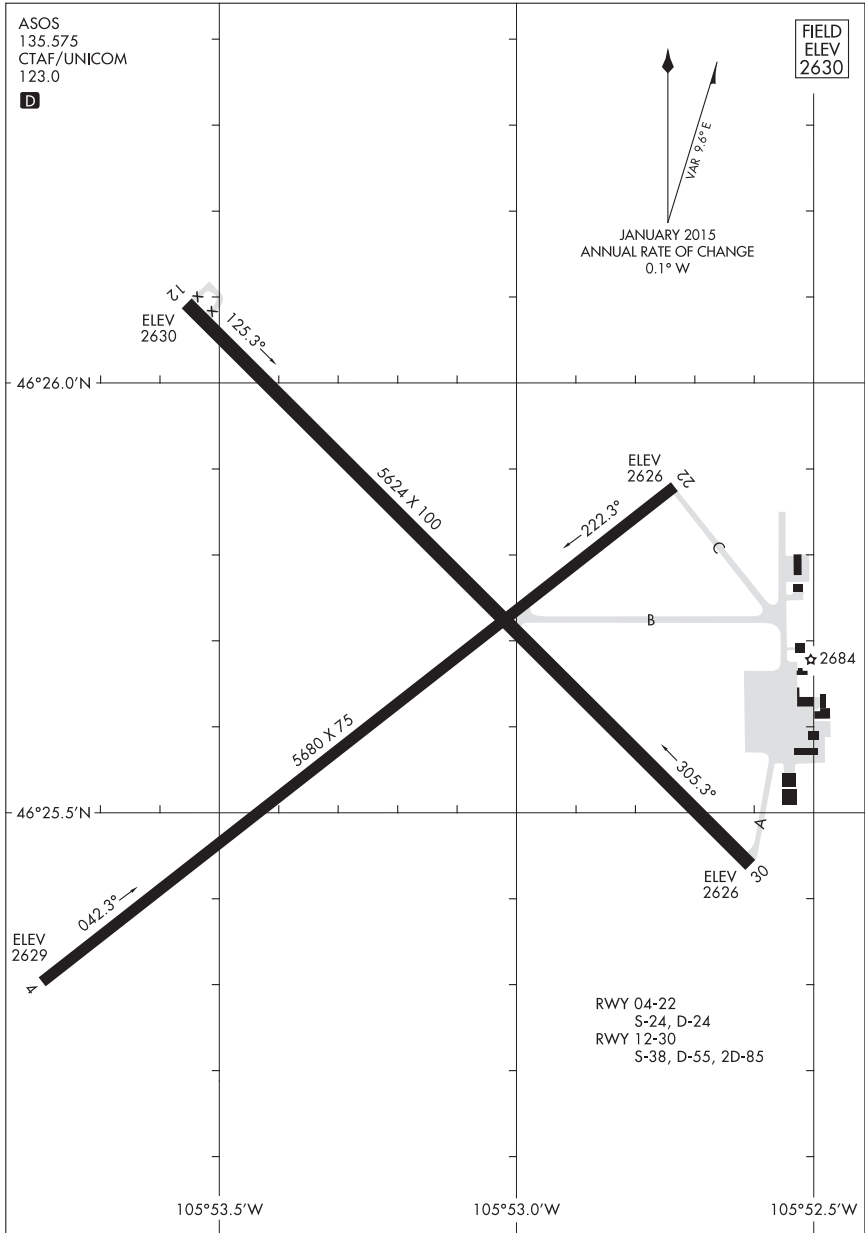
16091

16091

AIRPORT DIAGRAM

AL-259 (FAA)

FRANK WILEY FIELD (MLS)
MILES CITY, MONTANA



AIRPORT DIAGRAM

16091

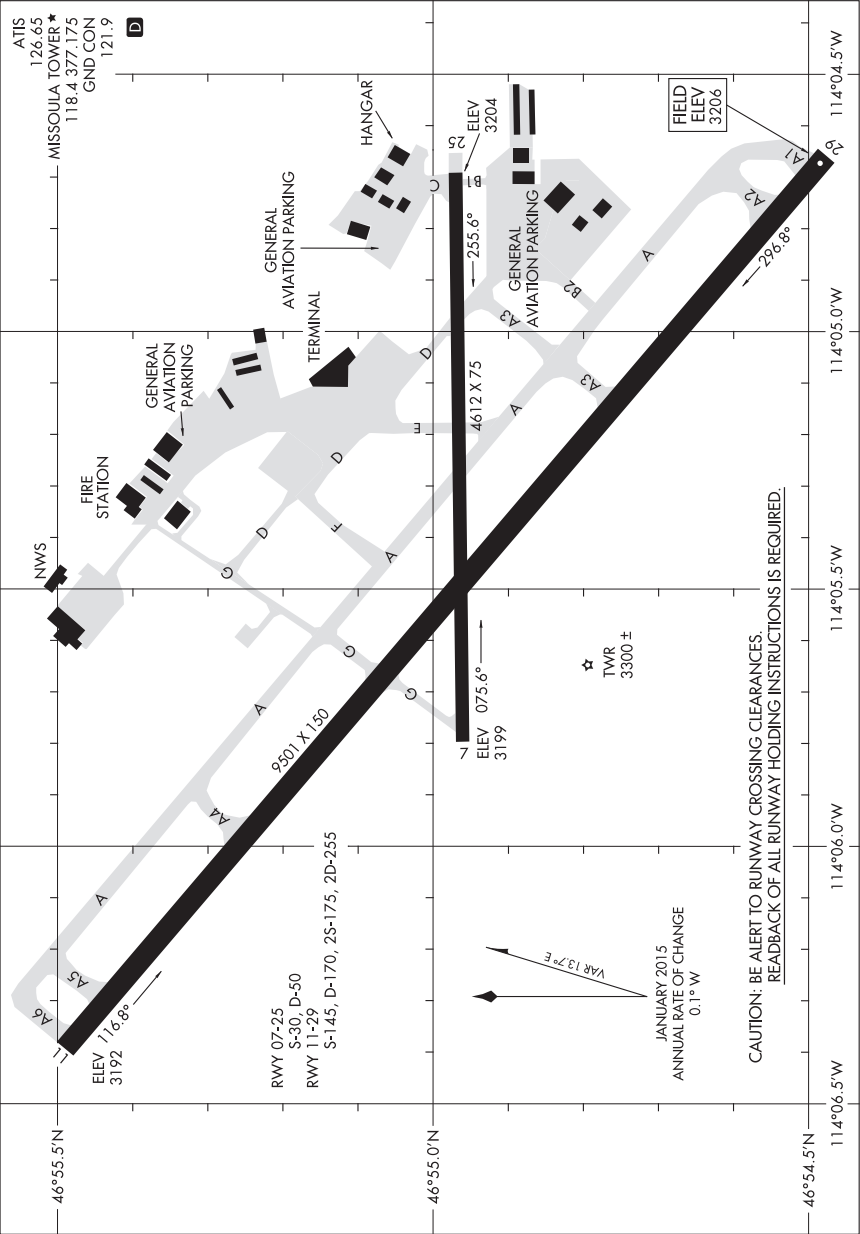
MILES CITY, MONTANA
FRANK WILEY FIELD (MLS)

16035

AIRPORT DIAGRAM

AL-266 (FAA)

MISSOULA INTL (MSO)
MISSOULA, MONTANA



AIRPORT DIAGRAM

16035

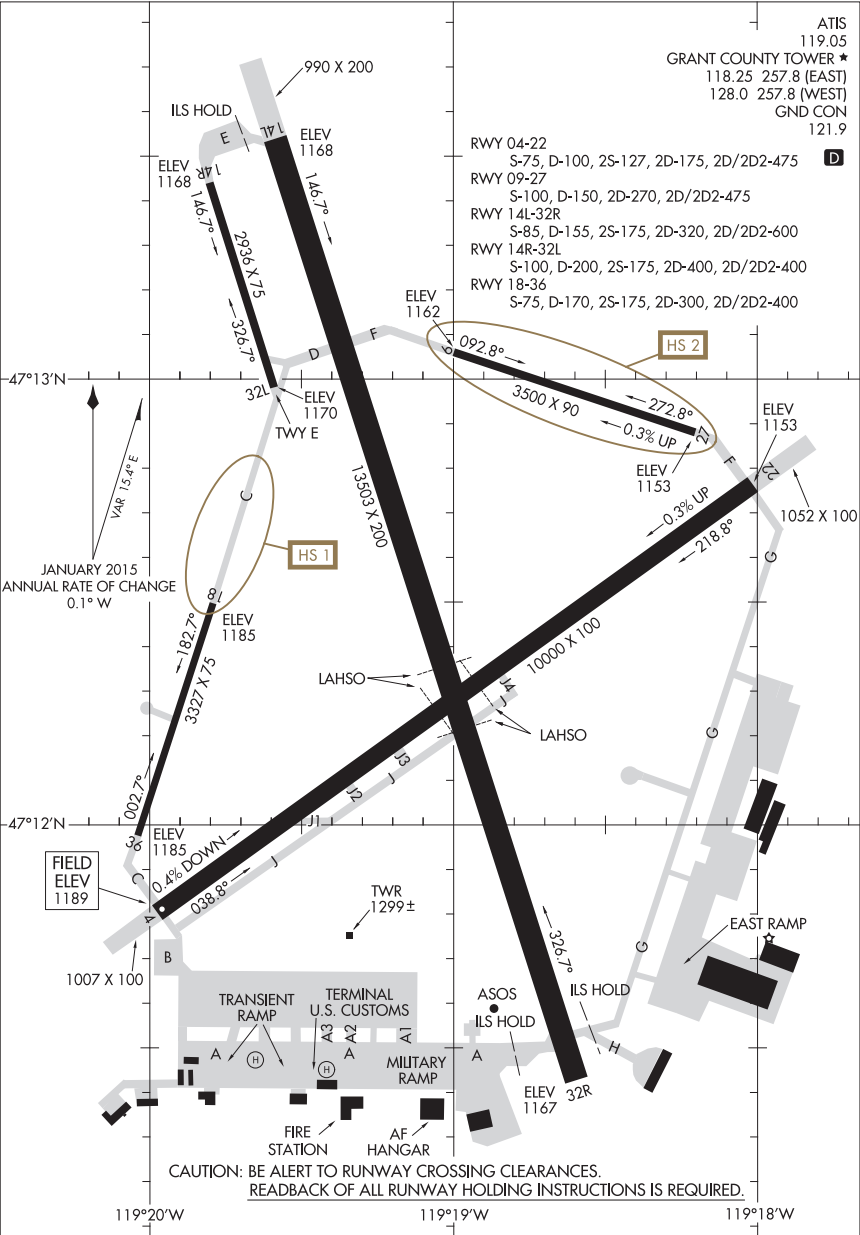
MISSOULA, MONTANA
MISSOULA INTL (MSO)

15064

AIRPORT DIAGRAM

AL-961 (FAA)

GRANT COUNTY INTL (MWH)
MOSES LAKE, WASHINGTON



AIRPORT DIAGRAM

15064

MOSES LAKE, WASHINGTON
GRANT COUNTY INTL (MWH)

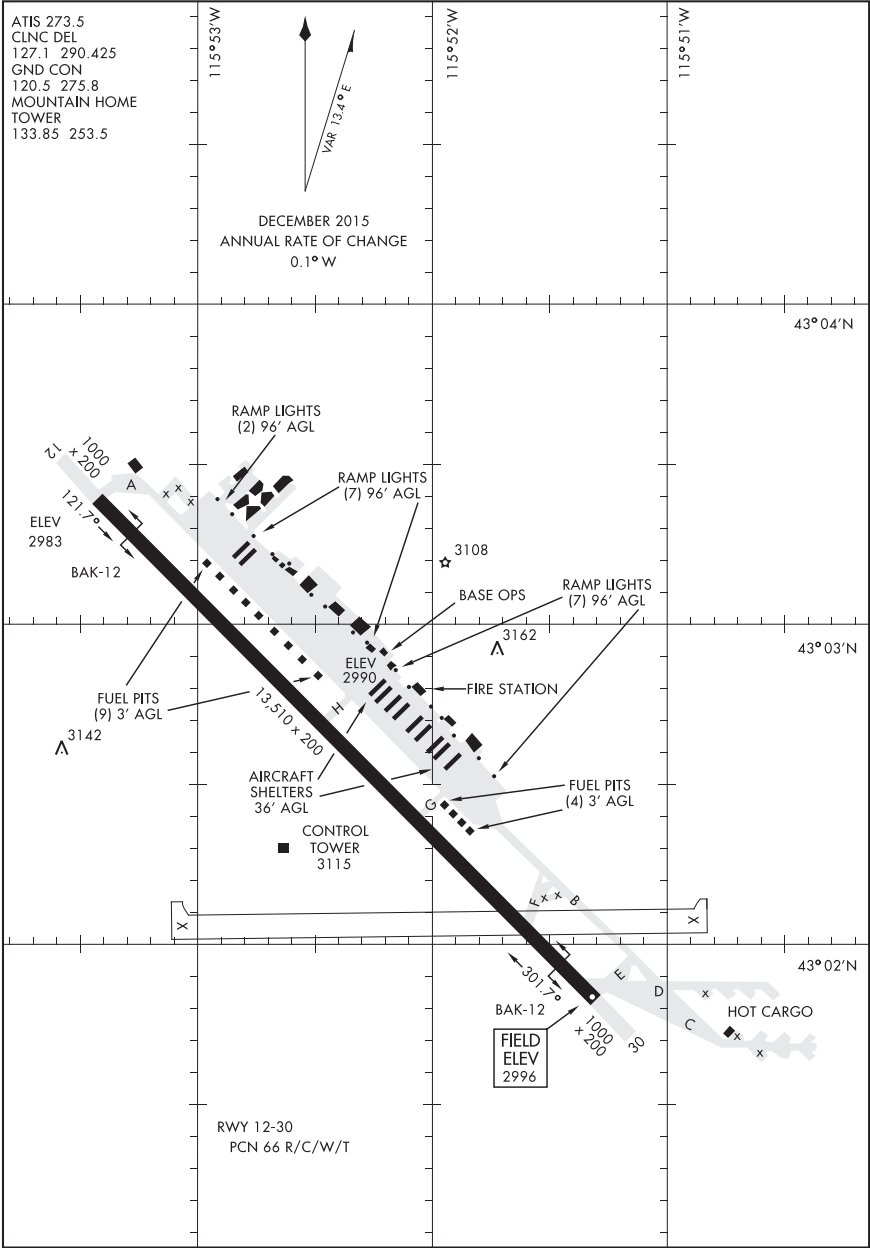
15344

AIRPORT DIAGRAM

AFD-323 [USAF]

MOUNTAIN HOME AFB (KMUO)

MOUNTAIN HOME, IDAHO



AIRPORT DIAGRAM

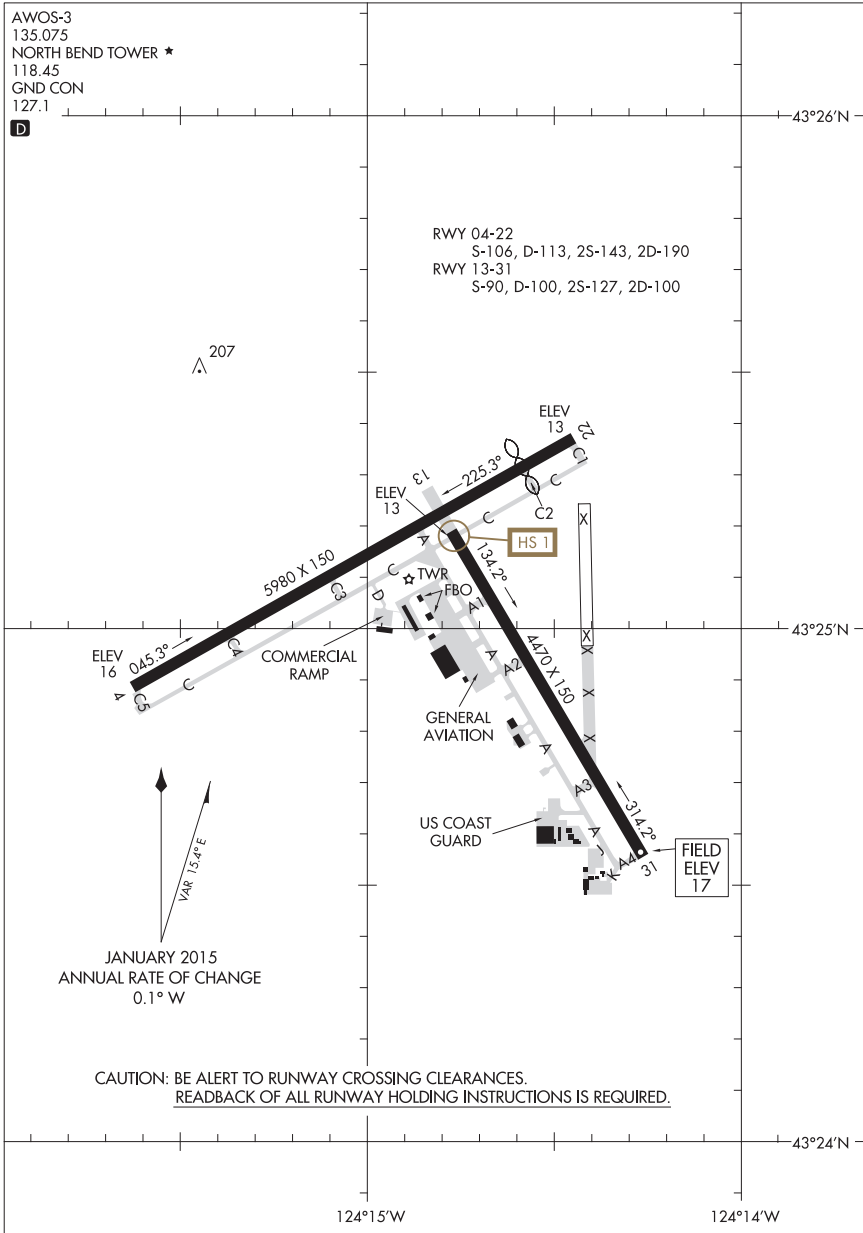
MOUNTAIN HOME, IDAHO
MOUNTAIN HOME AFB (KMUO)

15064

AIRPORT DIAGRAM

SOUTHWEST OREGON RGNL (OTH)
NORTH BEND, OREGON

AL-929 (FAA)



AIRPORT DIAGRAM

15064

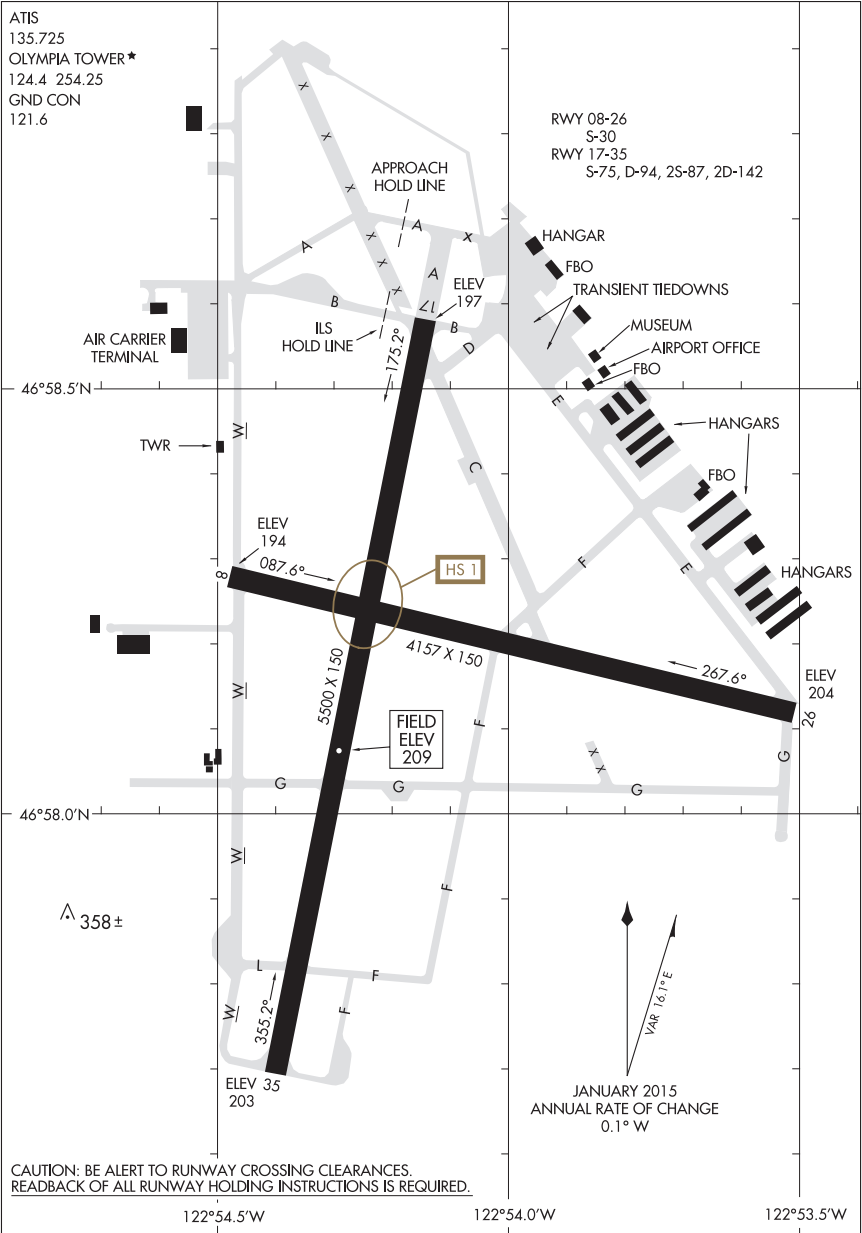
NORTH BEND, OREGON
SOUTHWEST OREGON RGNL (OTH)

15232

AIRPORT DIAGRAM

AL-645 (FAA)

OLYMPIA RGNL (OLM)
OLYMPIA, WASHINGTON



AIRPORT DIAGRAM

15232

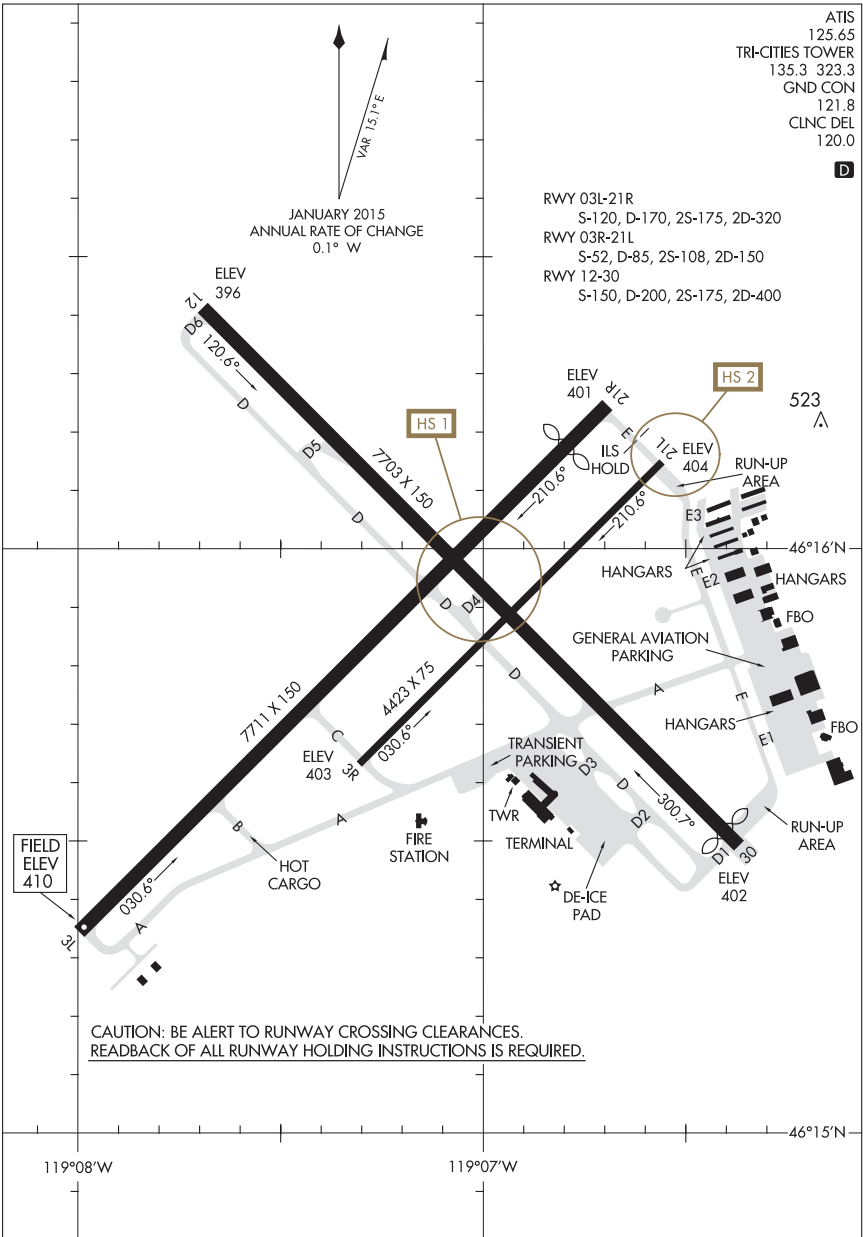
OLYMPIA, WASHINGTON
OLYMPIA RGNL (OLM)

15344

AIRPORT DIAGRAM

AL-474 (FAA)

TRI-CITIES (PSC)
PASCO, WASHINGTON



AIRPORT DIAGRAM

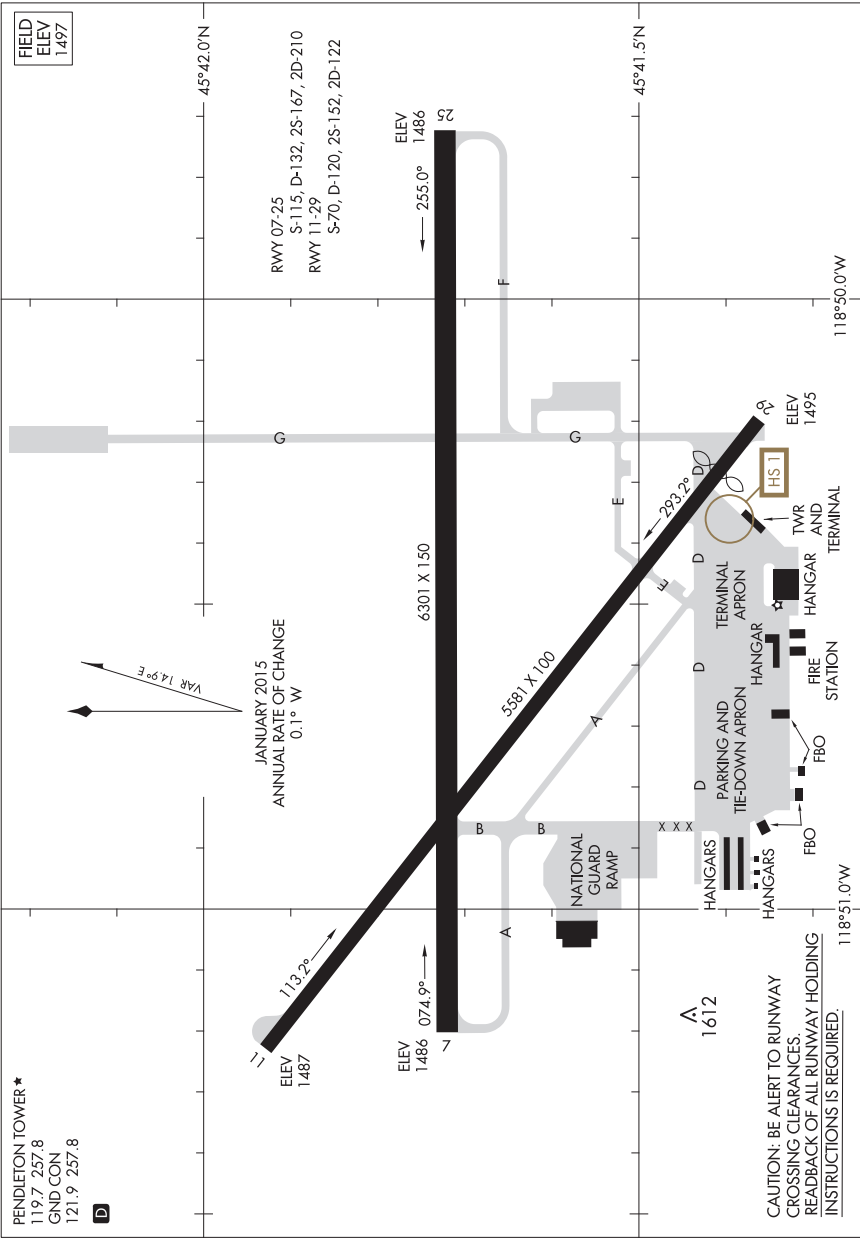
15344

PASCO, WASHINGTON
TRI-CITIES (PSC)

15064

AIRPORT DIAGRAM

EASTERN OREGON RGNL AT PENDLETON (PDT)
AL-316 (FAA)
PENDLETON, OREGON



AIRPORT DIAGRAM

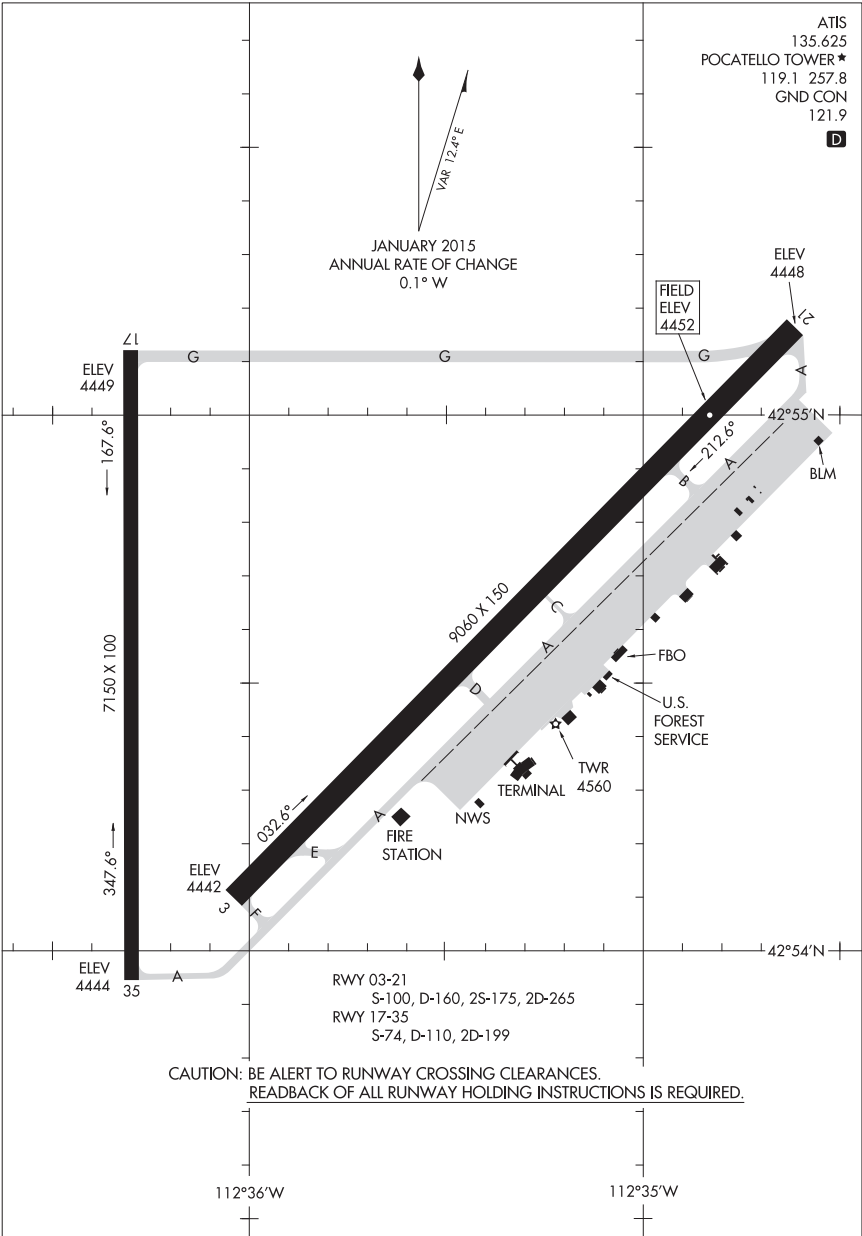
15064

EASTERN OREGON RGNL AT PENDLETON (PDT)

15064

AIRPORT DIAGRAM

POCATELLO RGNL (PIH)
POCATELLO, IDAHO



AIRPORT DIAGRAM

15064

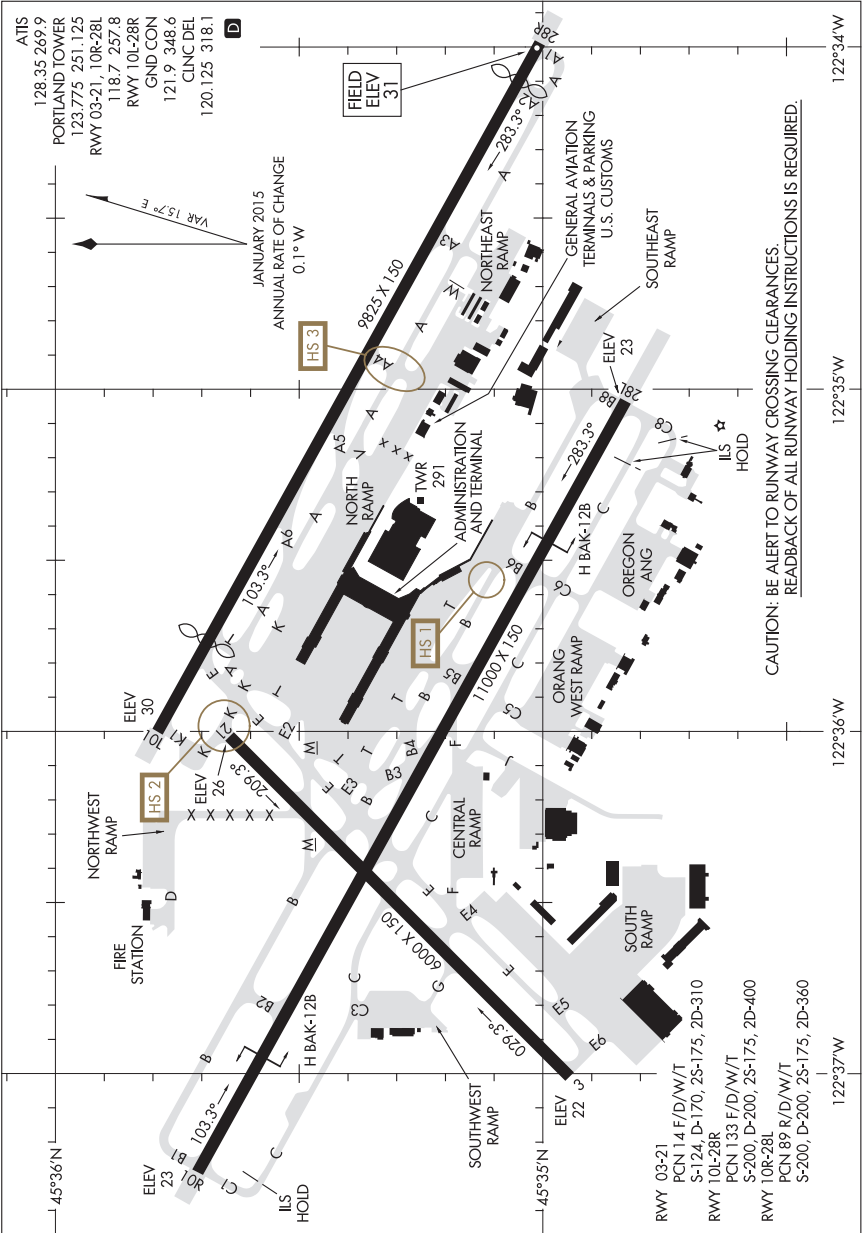
POCATELLO, IDAHO
POCATELLO RGNL (PIH)

16035

AIRPORT DIAGRAM

AL-330 (FAA)

PORTLAND INTL (PDX)
PORTLAND, OREGON



AIRPORT DIAGRAM

16035

PORTLAND, OREGON
PORTLAND INTL (PDX)

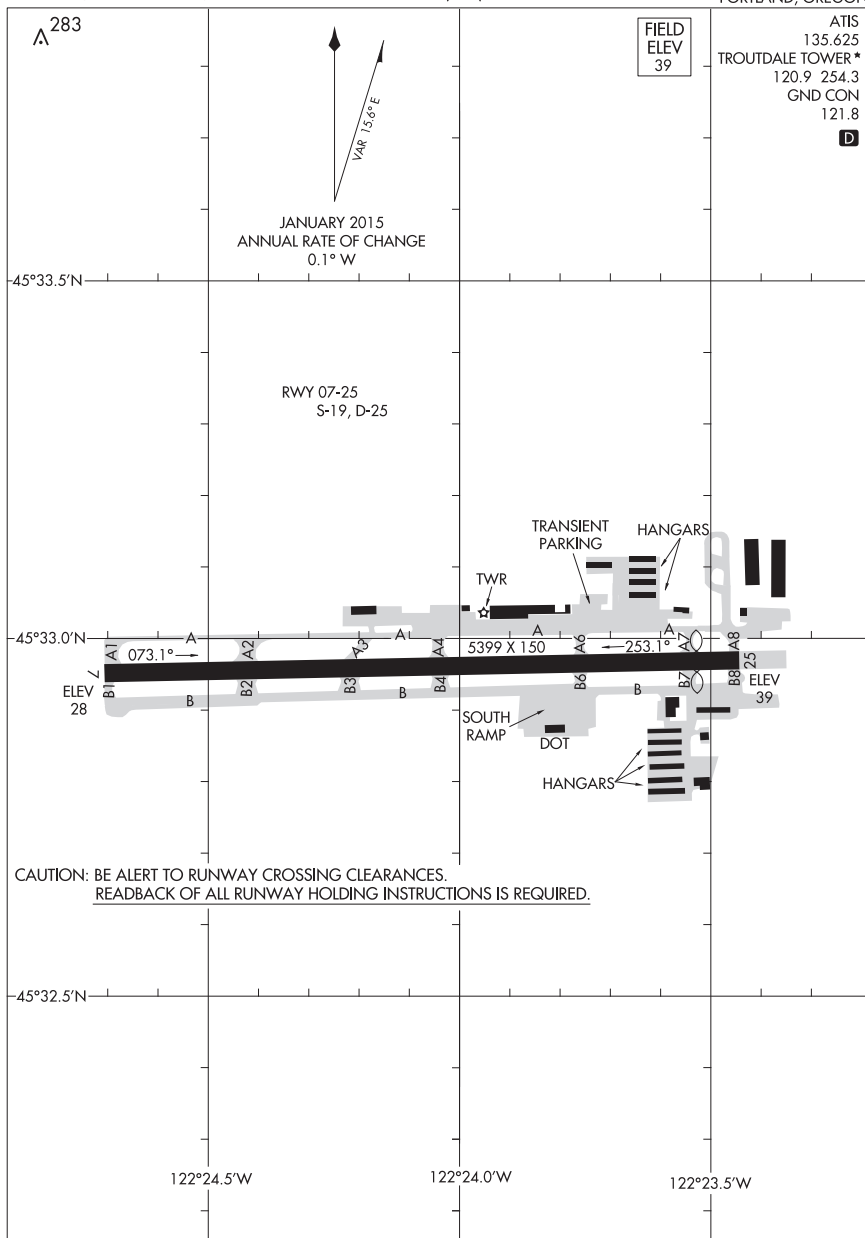
15064

AIRPORT DIAGRAM

AL-649 (FAA)

PORTLAND-TROUTDALE (TTD)

PORTLAND, OREGON



AIRPORT DIAGRAM

15064

PORTLAND, OREGON

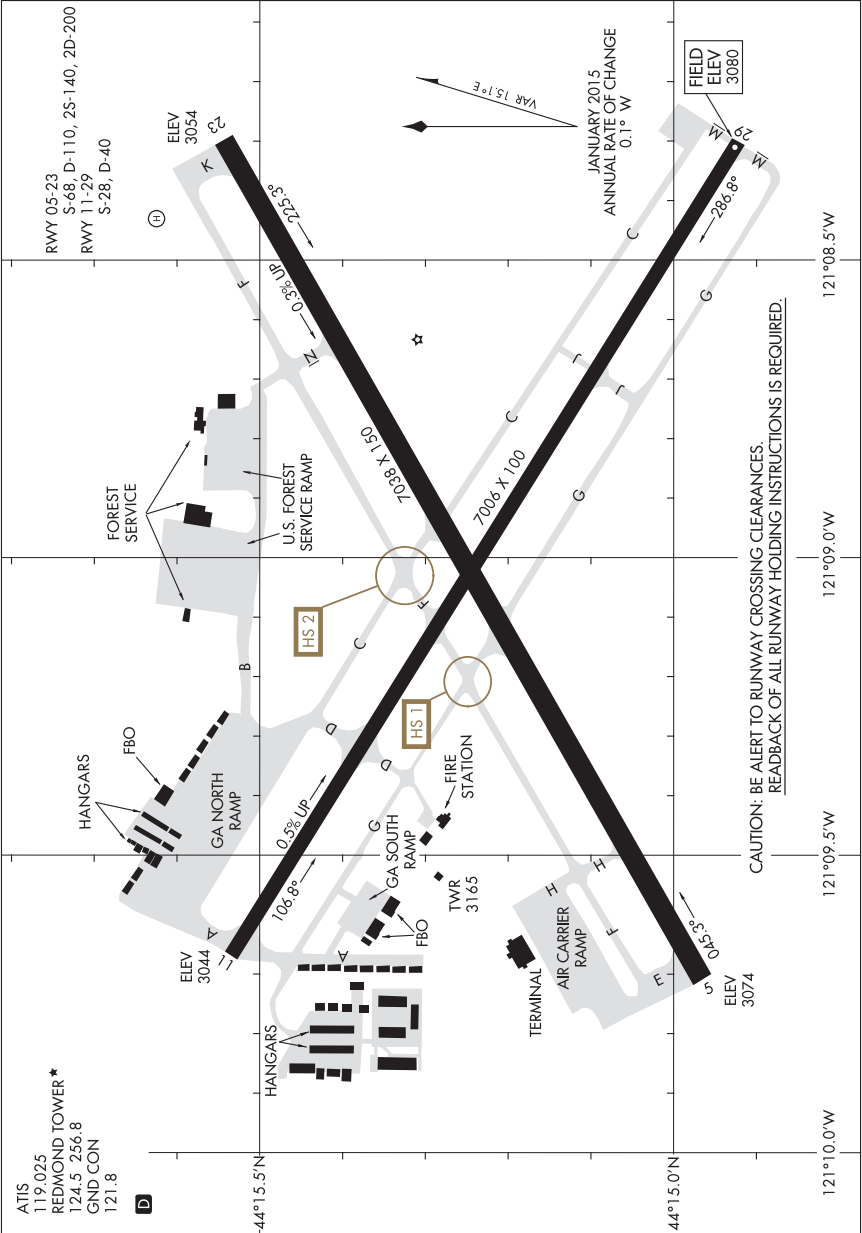
PORTLAND-TROUTDALE (TTD)

15232

AIRPORT DIAGRAM

AL-345 (FAA)

ROBERTS FIELD (RDM)
REDMOND, OREGON



AIRPORT DIAGRAM

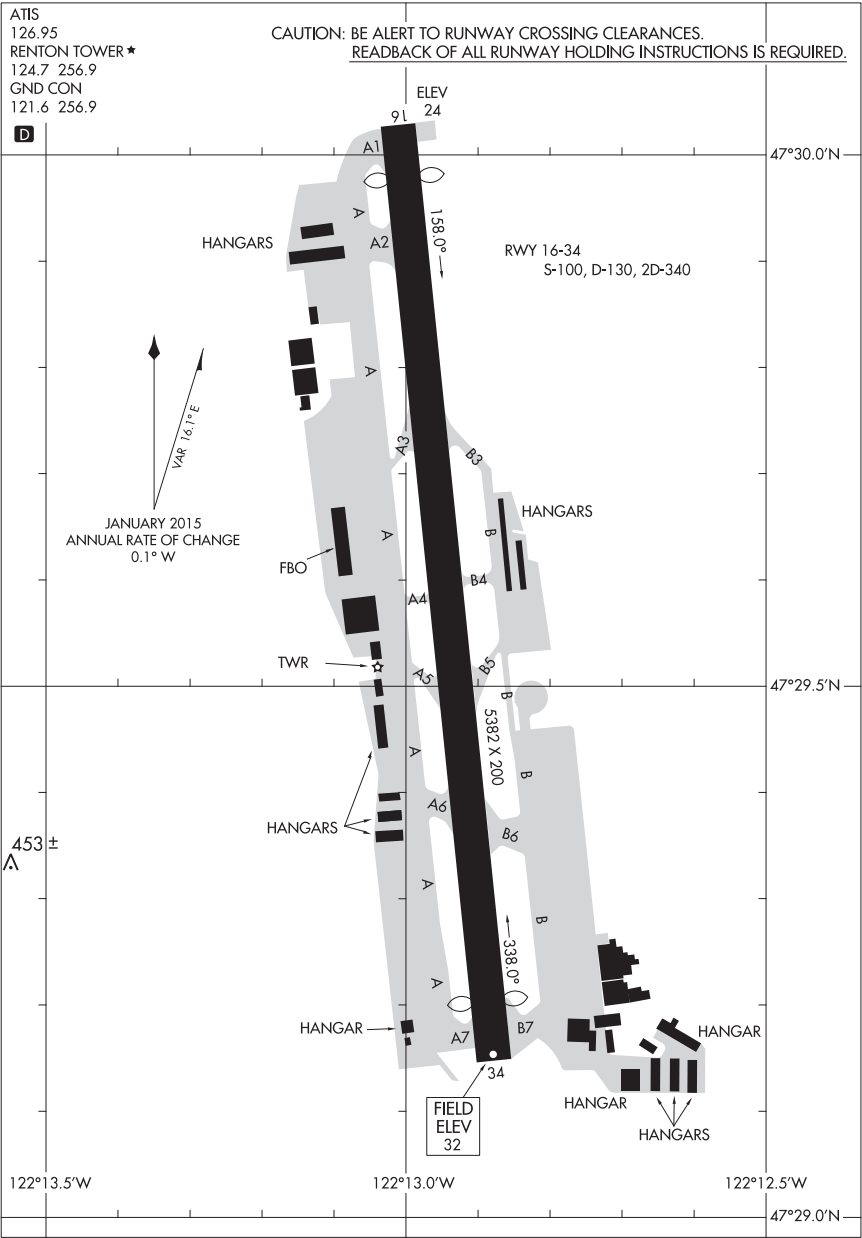
15232

REDMOND, OREGON
ROBERTS FIELD (RDM)

15064

AIRPORT DIAGRAM

RENTON MUNI (R.N.T)
RENTON, WASHINGTON



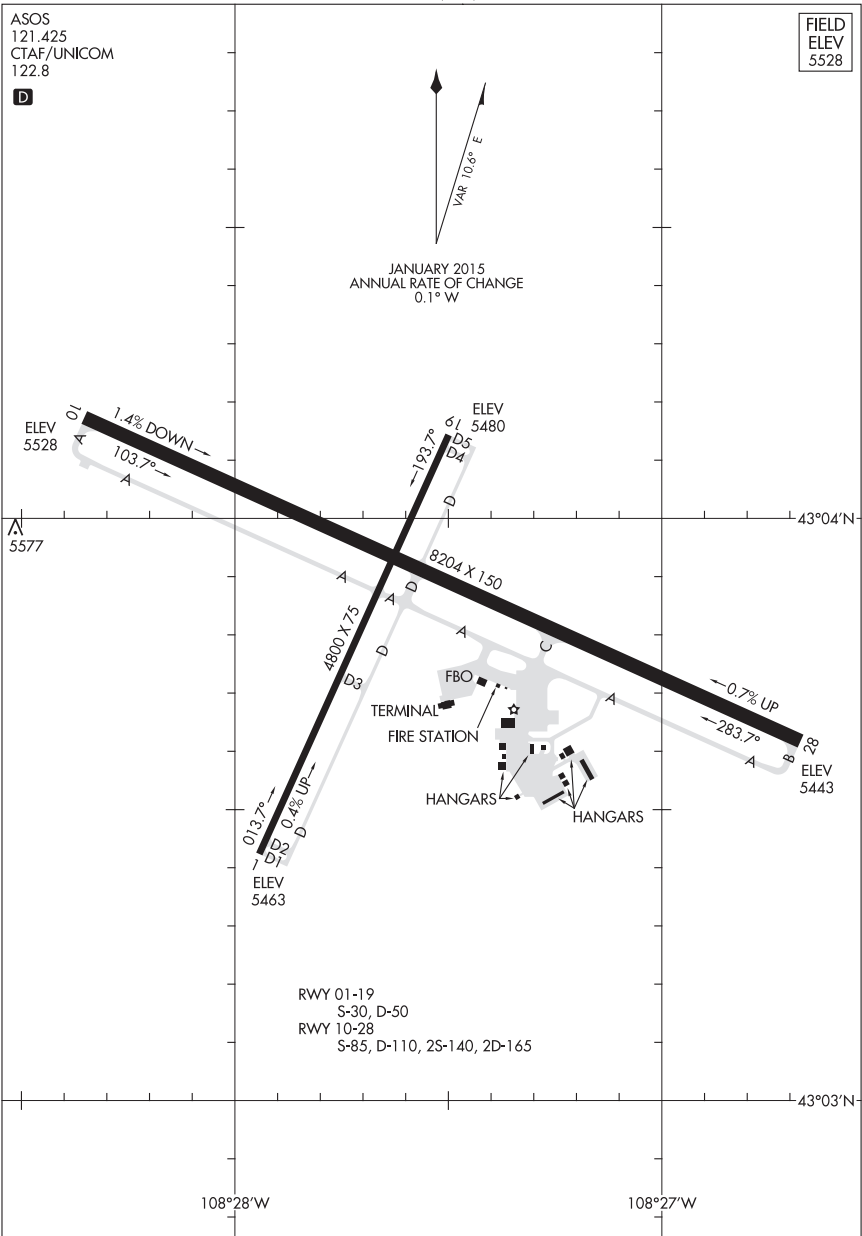
AIRPORT DIAGRAM

15064

RENTON, WASHINGTON
RENTON MUNI (R.N.T)

16091
AIRPORT DIAGRAM

RIVERTON RGNL (RIW)
RIVERTON, WYOMING



AIRPORT DIAGRAM
16091

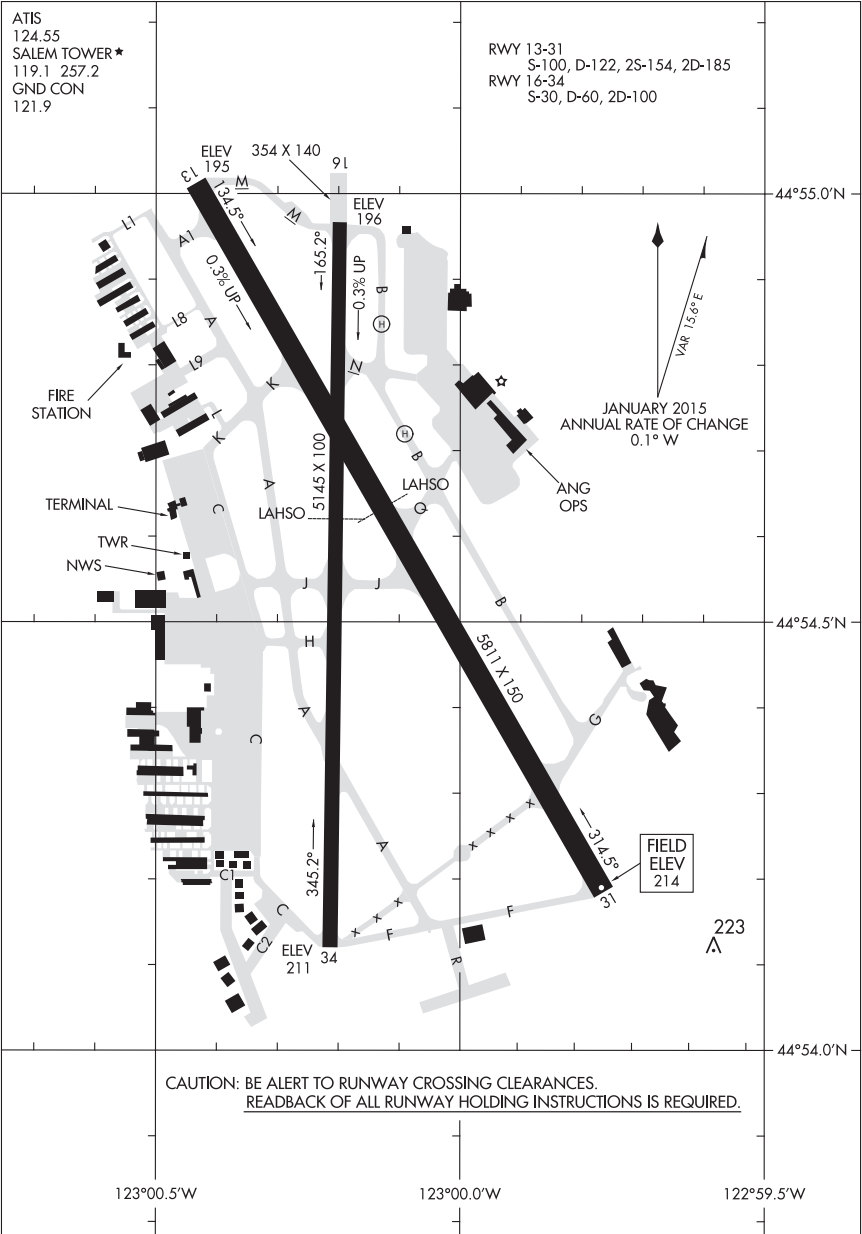
RIVERTON, WYOMING
RIVERTON RGNL (RIW)

15232

AIRPORT DIAGRAM

AL-361 (FAA)

MCNARY FIELD (SLE)
SALEM, OREGON



AIRPORT DIAGRAM

15232

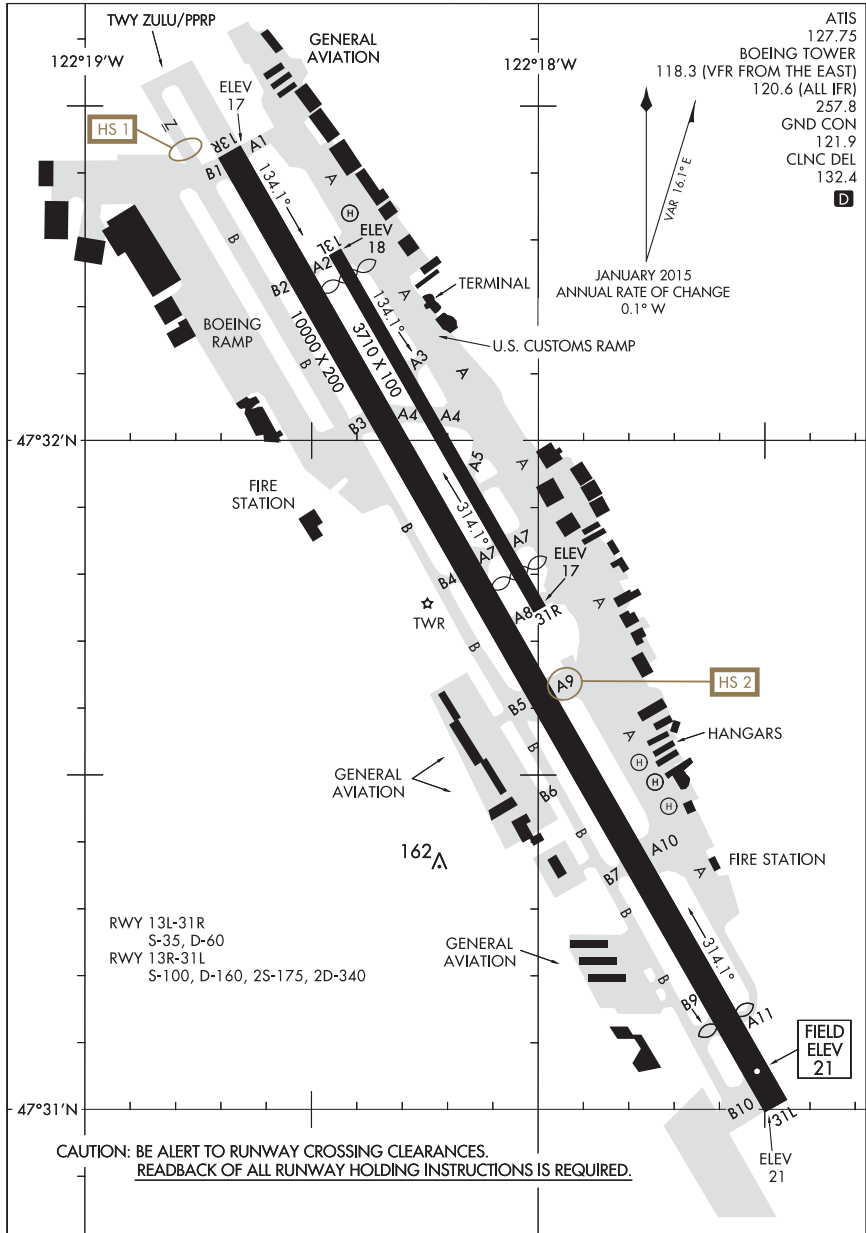
SALEM, OREGON
MCNARY FIELD (SLE)

15288

AIRPORT DIAGRAM

AL-384 (FAA)

BOEING FIELD/KING COUNTY INTL (BFI)
SEATTLE, WASHINGTON



AIRPORT DIAGRAM

15288

SEATTLE, WASHINGTON
BOEING FIELD/KING COUNTY INTL (BFI)

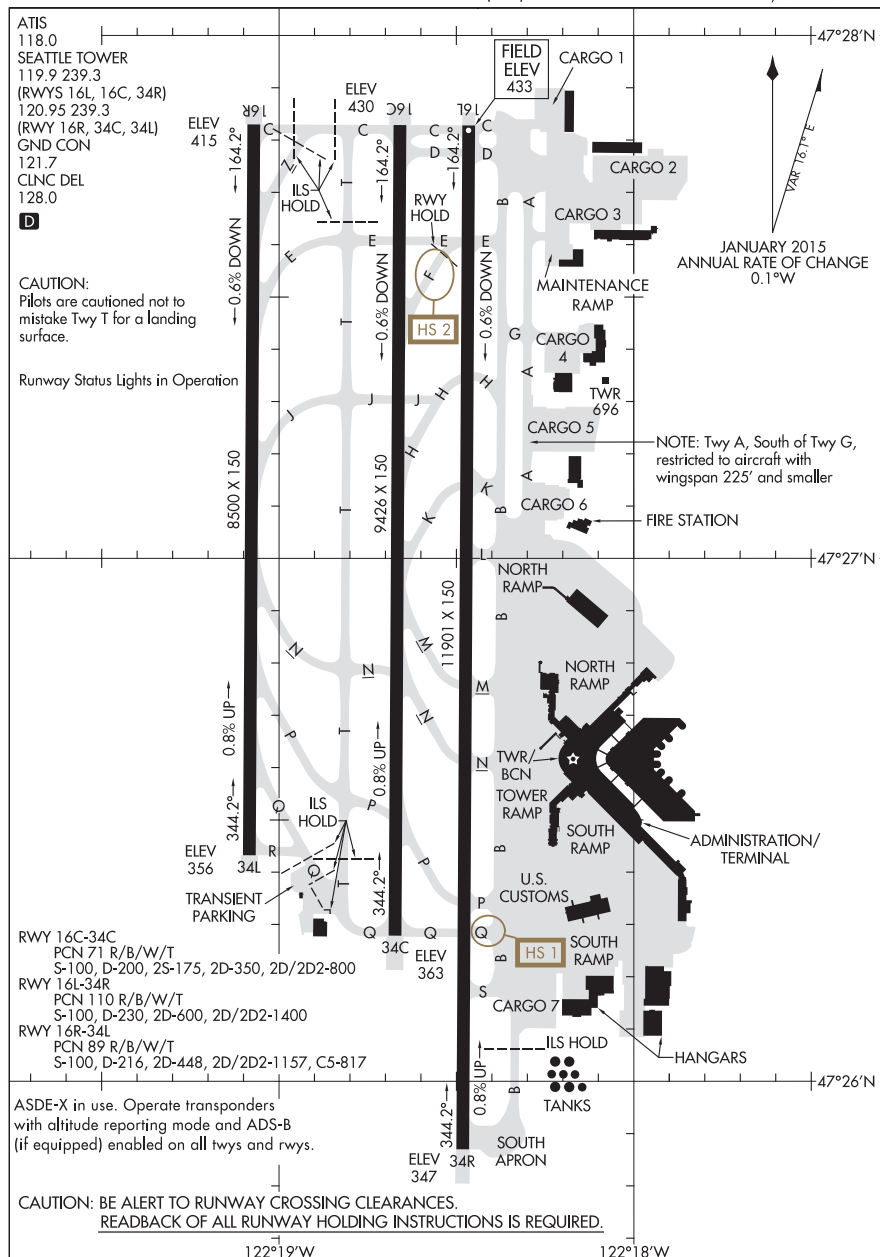
16091

AIRPORT DIAGRAM

AL-582 (FAA)

SEATTLE-TACOMA INTL (SEA)

SEATTLE, WASHINGTON



AIRPORT DIAGRAM

SEATTLE, WASHINGTON

SEATTLE-TACOMA INTL (SEA)

16091

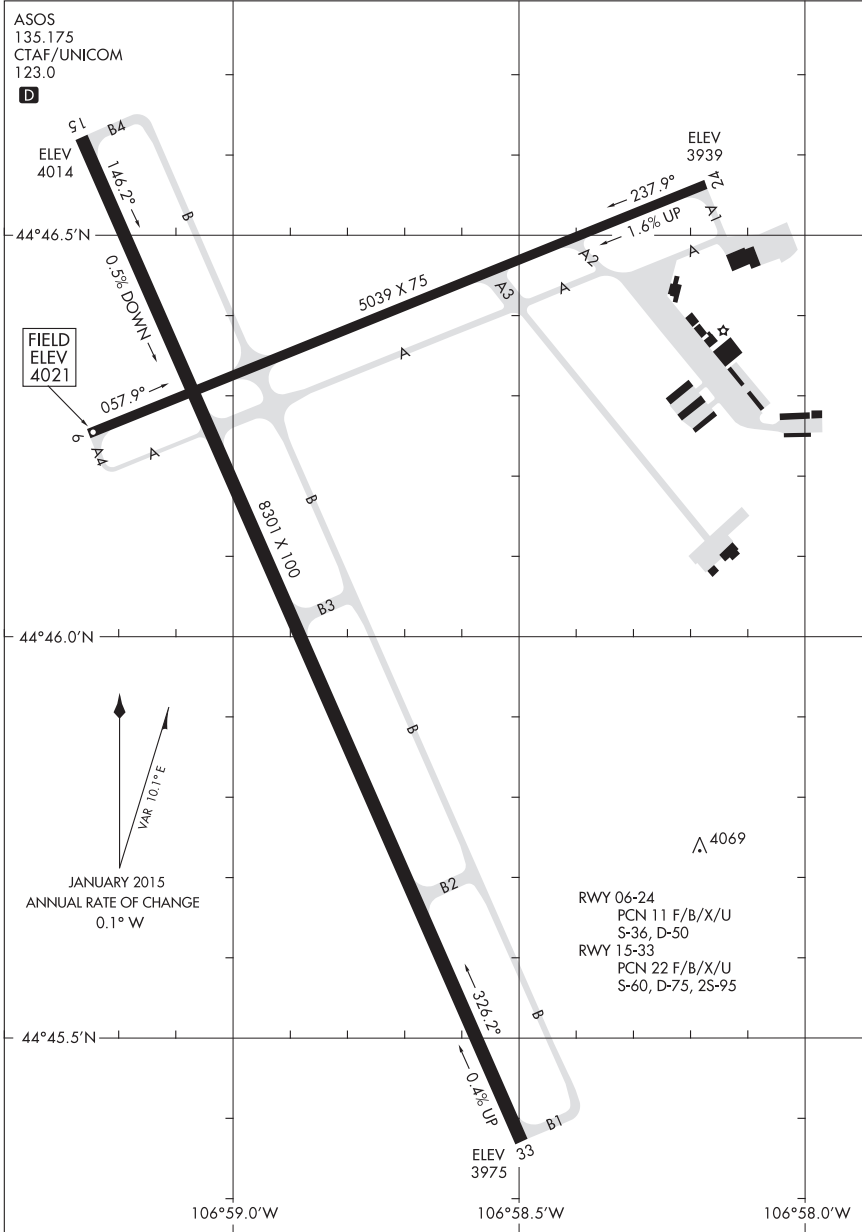
16035

AIRPORT DIAGRAM

AL-388 (FAA)

SHERIDAN COUNTY (SHR)

SHERIDAN, WYOMING



AIRPORT DIAGRAM

16035

SHERIDAN, WYOMING

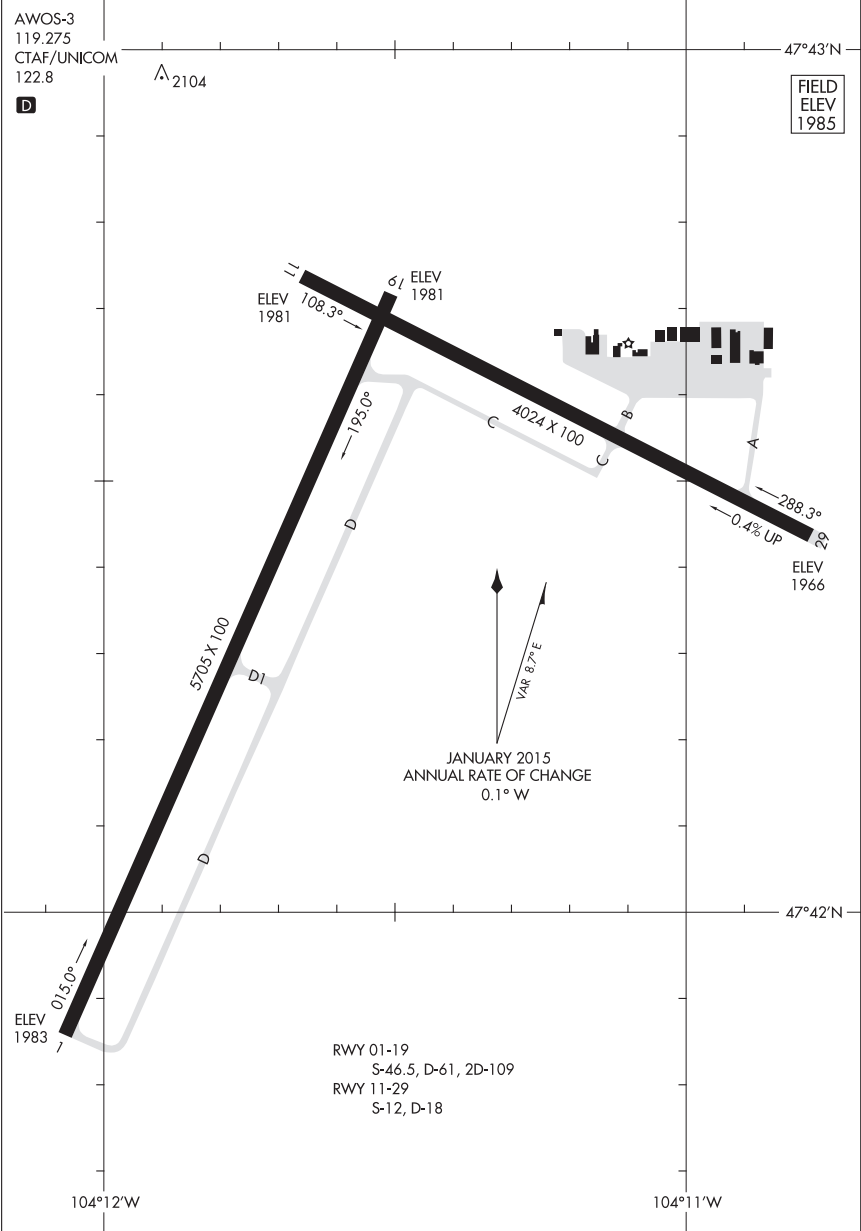
SHERIDAN COUNTY (SHR)

16035

AIRPORT DIAGRAM

AL-5303 (FAA)

SIDNEY-RICHLAND MUNI (SDY)
SIDNEY, MONTANA



AIRPORT DIAGRAM

16035

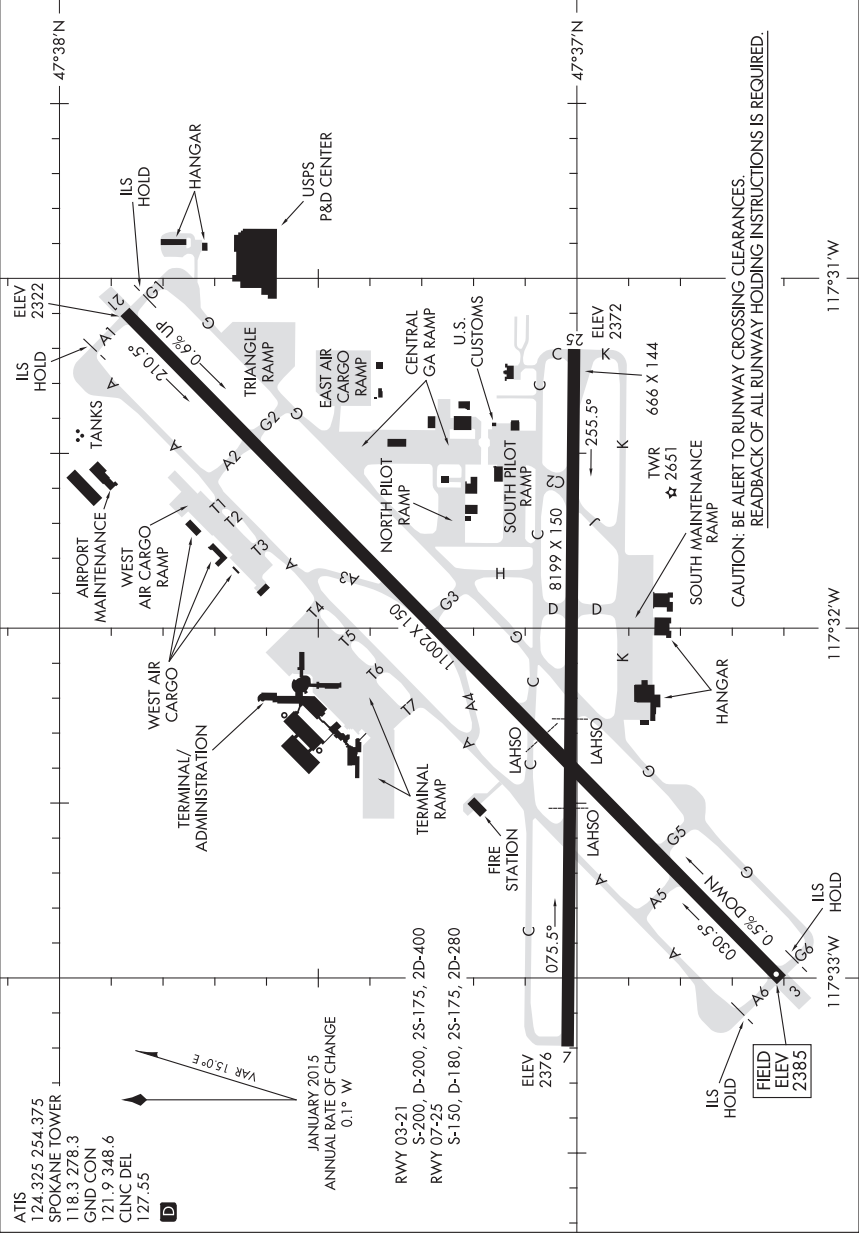
SIDNEY, MONTANA
SIDNEY-RICHLAND MUNI (SDY)

15344

AIRPORT DIAGRAM

AL-403 (FAA)

SPOKANE INTL (GEG)
SPOKANE, WASHINGTON



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
REARBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

15344

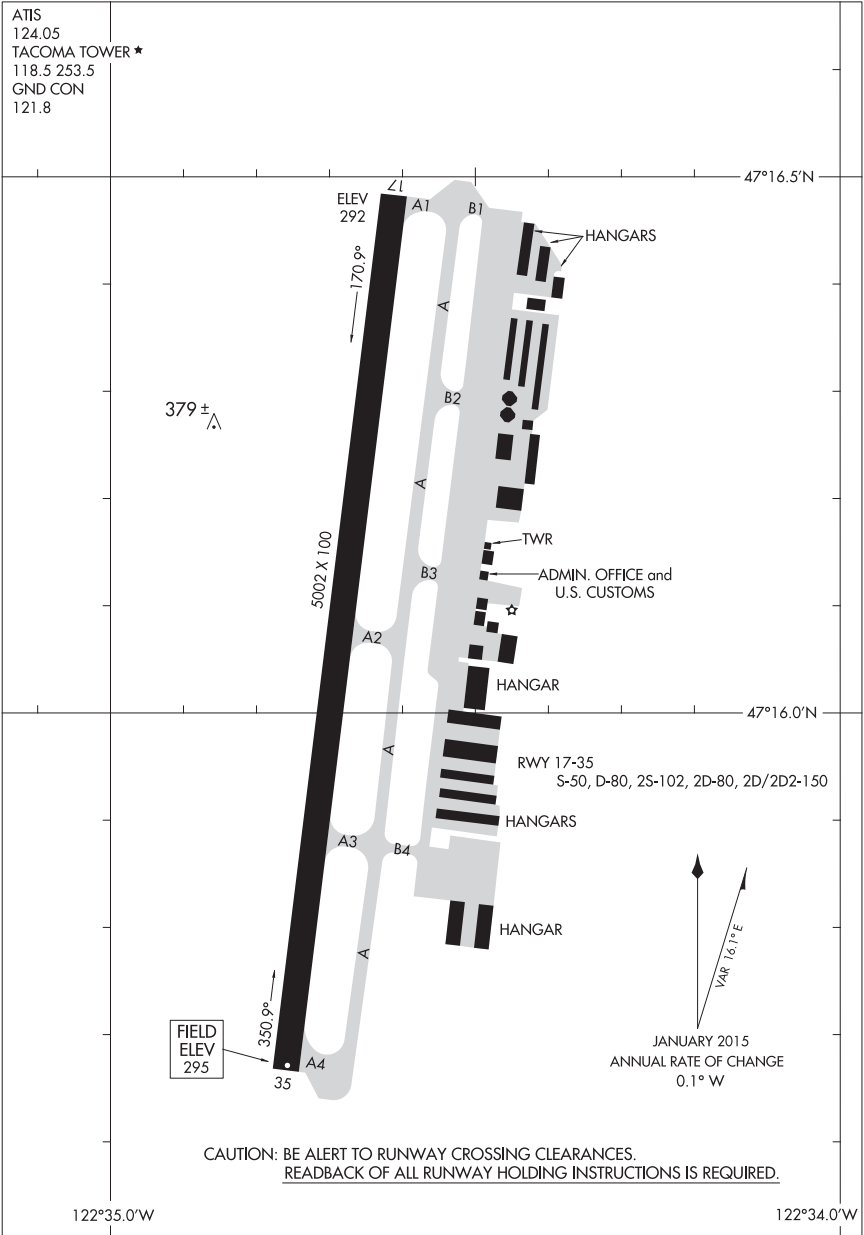
SPOKANE, WASHINGTON
SPOKANE INTL (GEG)

15064

AIRPORT DIAGRAM

AL-5186 (FAA)

TACOMA NARROWS (TIW)
TACOMA, WASHINGTON



AIRPORT DIAGRAM

15064

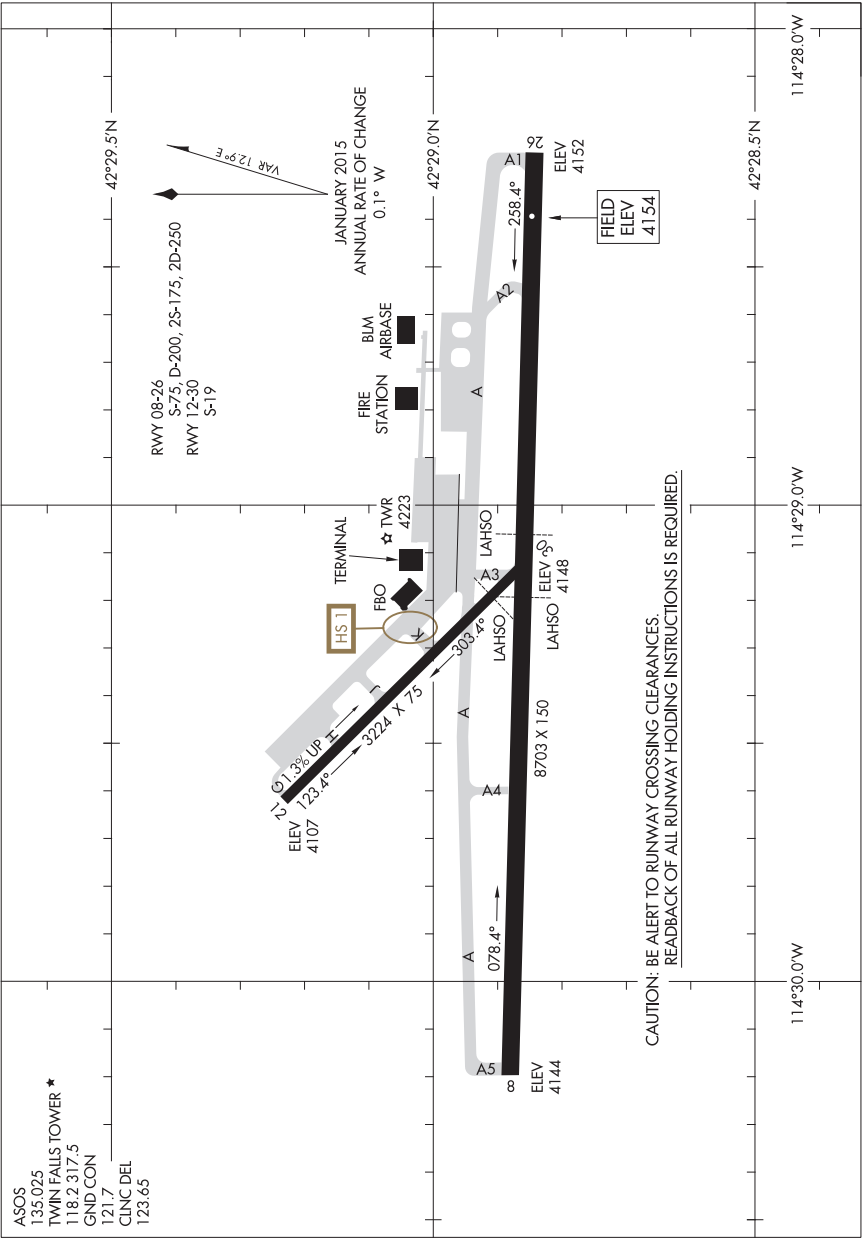
TACOMA, WASHINGTON
TACOMA NARROWS (TIW)

15064

AIRPORT DIAGRAM

AL-885 (FAA)

JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)
TWIN FALLS, IDAHO



AIRPORT DIAGRAM

TWIN FALLS, IDAHO

JOSLIN FIELD-MAGIC VALLEY RGNL (TWF)

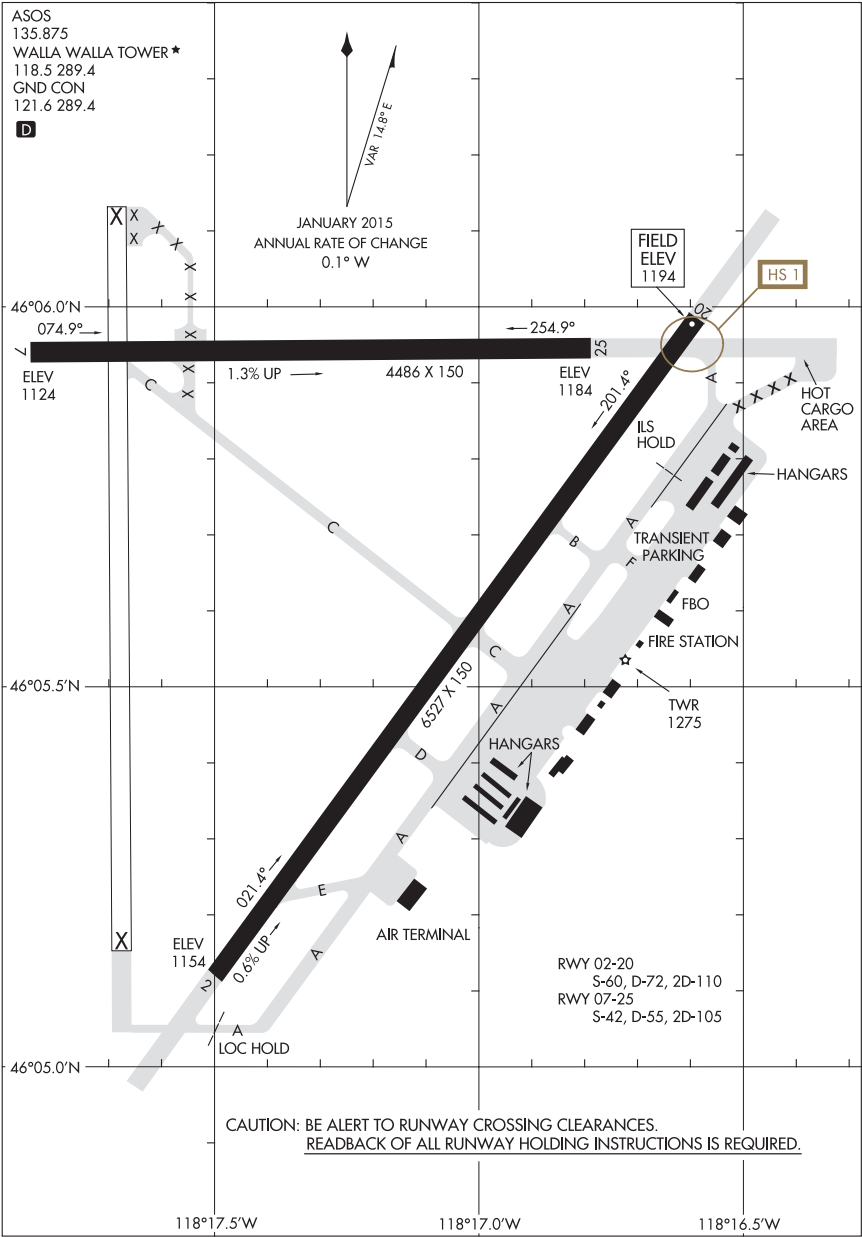
15064

16035

AIRPORT DIAGRAM

AL-440 (FAA)

WALLA WALLA RGNL (A.L.W)
WALLA WALLA, WASHINGTON



AIRPORT DIAGRAM

16035

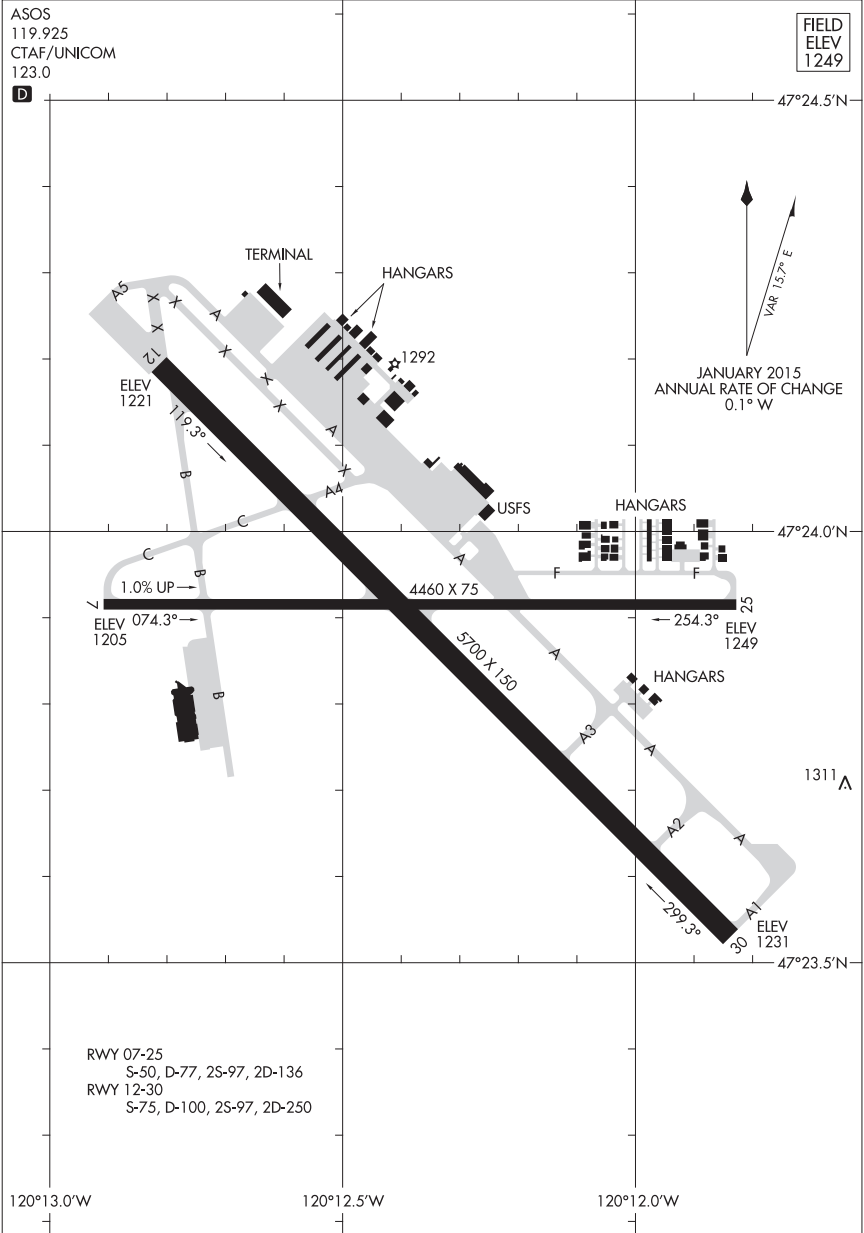
WALLA WALLA, WASHINGTON
WALLA WALLA RGNL (A.L.W)

15064

AIRPORT DIAGRAM

AL-641 (FAA)

PANGBORN MEMORIAL (EAT)
WENATCHEE, WASHINGTON



AIRPORT DIAGRAM

15064

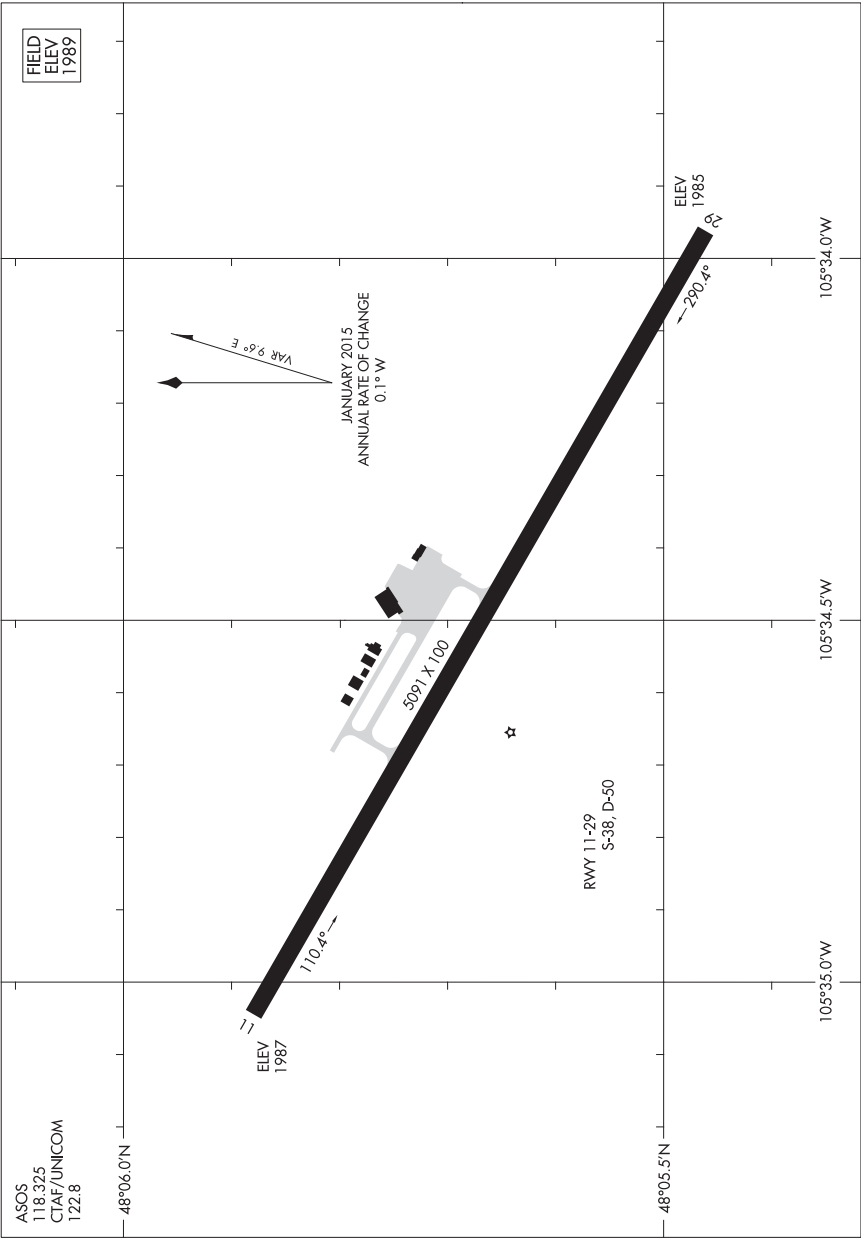
WENATCHEE, WASHINGTON
PANGBORN MEMORIAL (EAT)

15064

AIRPORT DIAGRAM

AL-6018 (FAA)

L M CLAYTON (OLF)
WOLF POINT, MONTANA



AIRPORT DIAGRAM

15064

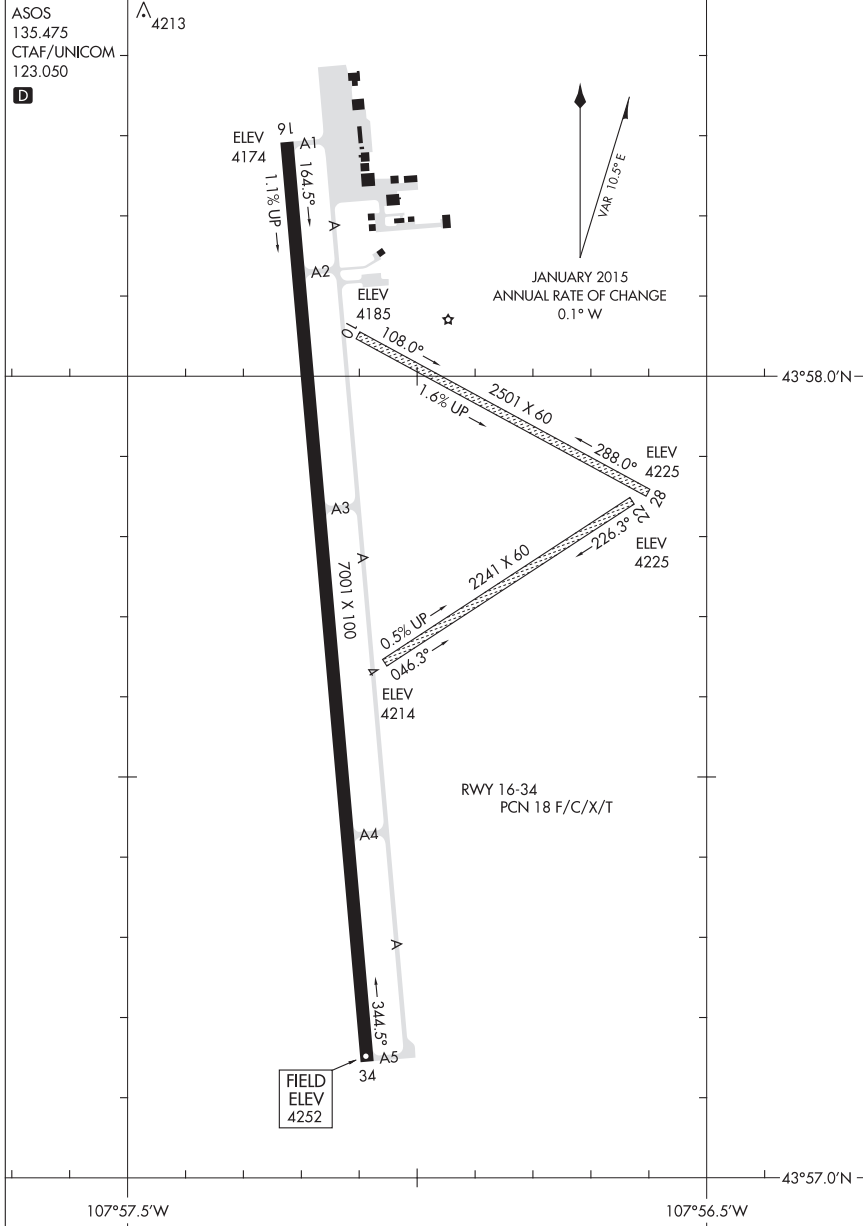
WOLF POINT, MONTANA
L M CLAYTON (OLF)

16091

AIRPORT DIAGRAM

AL-801 (FAA)

WORLAND MUNI (WRL)
WORLAND, WYOMING



AIRPORT DIAGRAM

16091

WORLAND, WYOMING
WORLAND MUNI (WRL)

**INTENTIONALLY
LEFT
BLANK**

**INTENTIONALLY
LEFT
BLANK**

**INTENTIONALLY
LEFT
BLANK**

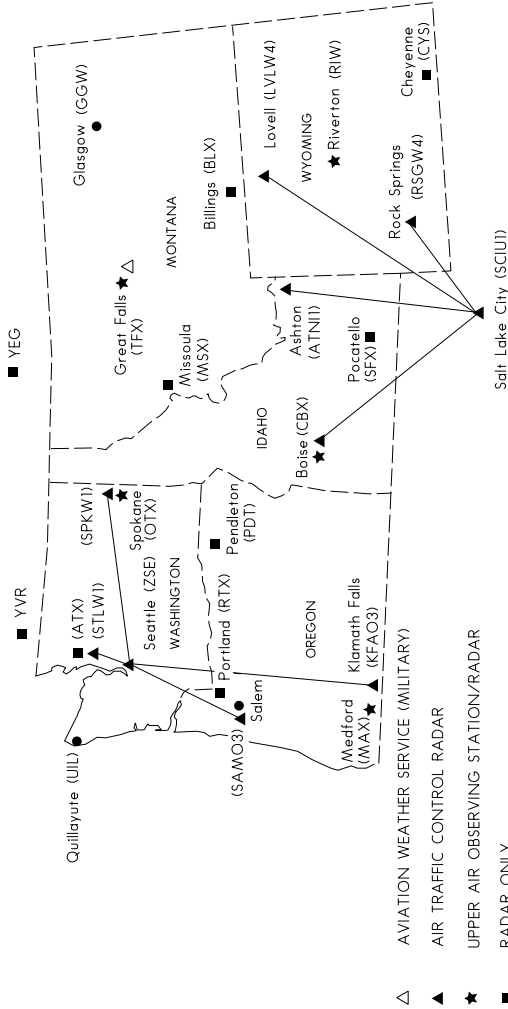
**INTENTIONALLY
LEFT
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**INTENTIONALLY
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**INTENTIONALLY
LEFT
BLANK**

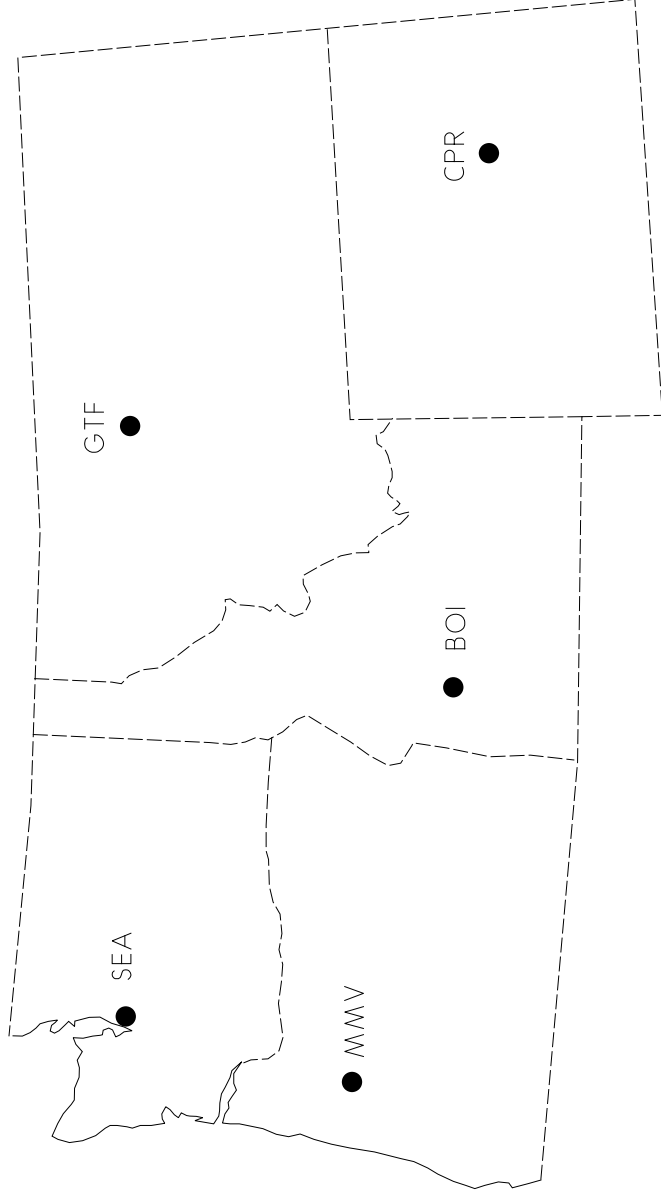
NATIONAL WEATHER SERVICE (NWS)
UPPER AIR OBSERVING STATIONS (UAOS)
AND
WEATHER RADAR NETWORK

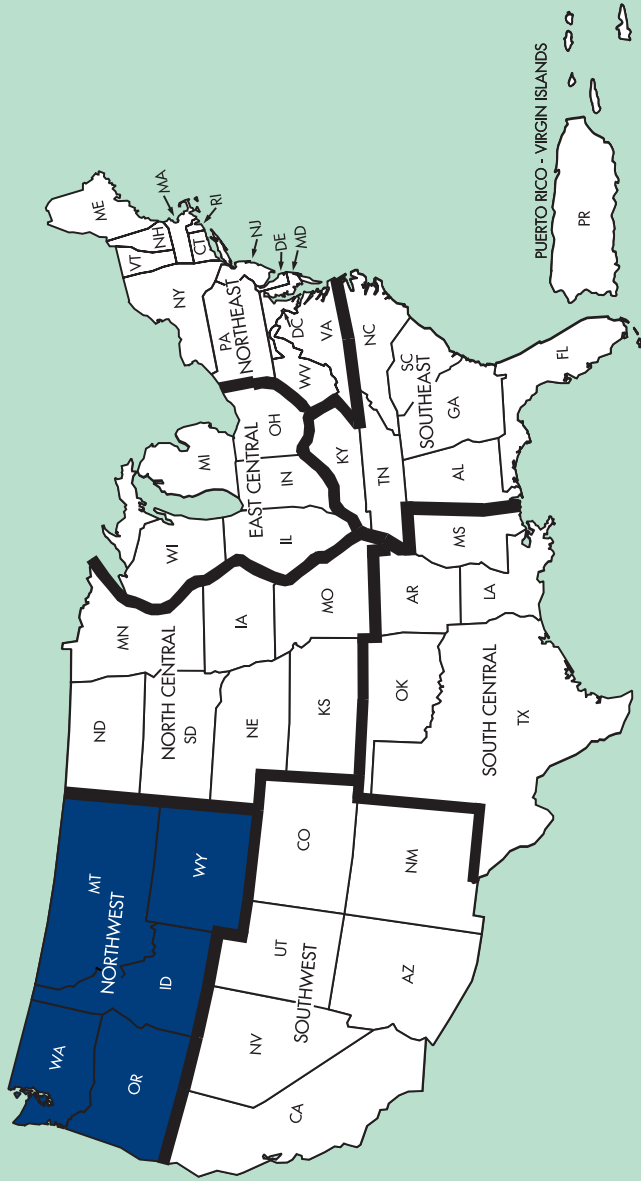


NOTE: FOR RELEASE LATER THAN 1130 UTC AND 2330 UTC, AND FOR SPECIAL RELEASES AT OTHER THAN THE SCHEDULED HOURS, AN AERONAUTICAL INFORMATION MESSAGE WILL BE FILED.

ENROUTE FLIGHT ADVISORY SERVICE (EFAS)

Enroute Advisories are available on ALL Flight Service Inflight Frequencies
(See ARTCC/FSS Frequency Tab)





FAA Product ID: AFDNW



NSN 7641014004627



EFF. DATE 16091

NGA REF. NO. ENRXXAFDUSNW

NW ID MT OR WA WY

31 MAR 2016 TO 26 MAY 2016