

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: SID	Estimated Chart Date: 10/31/2024	APWS Task ID: 73E1429E1BA74E7D85E11675A0632F00	APWS Project ID: 3B24E0D0B2BB4AFBB7E772CA26D0CCFD
Procedure: KINGSLEY SEVEN DEPARTURE		Enroute: YES	Specialist: Bruce, Richard		Agreement Number:
Airport ID: KLMT			Airport City: KLAMATH FALLS		State: OR
Facility ID:	Facility Type:	Flight Inspection Remark Type: Hold FC Slot			
<div>Procedure Comments:</div> <div>ASSIGNED MAGVAR: KLMT: OLD 17E - NEW 14E. RUNWAY 7/25 RENUMBERED TO 8/26.</div> <div>8260-1: 8260.3 SECTION 13-2, DIVERSE DEPARTURE ASSESSMENT APPLIED TO A SID SUPPORTING ATC ISSUING A RANGE OF INITIAL HEADINGS WITH A MAINTAINED ALTITUDE LOWER THAN UNRESTRICTED CLIMB ALLOWED BY TERPS.</div> <div>PENDING DATA USED FOR KLMT AIRPORT AND RUNWAYS.</div> <div>CONTACT RAKE MCGRAW, AJV-A422, (405) 954-8711.</div> <div>07/15/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/03/24.</div> <div>1. 8260-1; BLOCK 3: MOVED PARAGRAPH "THE RANGE OF HEADINGS 144° CW 323° HAS BEEN EVALUATED AND HAS NO PENETRATIONS OF THE SURFACE THROUGH THE MVA ALTITUDE OF 8600. ALSO THE EXISTING DEPARTURE ROUTES HAVE BEEN ANALYZED AND THERE IS NO PENETRATION OF THE DEPARTURE SURFACE THROUGH THE MVA, AS LONG AS THE REQUIRED CLIMB GRADIENTS ARE ADHERED TO" TO BLOCK 4.</div> <div>2. 8260-1; BLOCK 4: DELETED "(AIS PLEASE INCLUDE THE MATH AND OTHER SUPPORTING DATA AS REQUIRED)".</div> <div><div>QUALITY 33 CHECKED</div><div>QUALITY 23 CHECKED</div></div>					

FIPC BASIC FORM						
PROCEDURE: SID KINGSLEY SEVEN KLAMATH FALLS WA KLMT			AIRPORT NAME: CRATER LAKE/KLAMATH RGNL		AIRPORT ID: KLMT	SPECIAL CONTROL NO: SP-05-186-24
FAC ID: LMT7		CITY: KLAMATH FALLS			ST: OR	ORIG CHART DATE: 09/05/2024
DFL TYPE: PROC/T	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.4	REIMB. NUMBER:	PTS TASK ID: 73E1429E1BA74E7D85E11675A0632F00		
PREFLIGHT NOTES						
REVIEWER:					DATE:	
COMMENTS:					CHECK ONE: <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT <div style="display: flex; justify-content: flex-end; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">YES</div> <div style="border: 1px solid black; padding: 2px 5px;">NO</div> </div>	
					<div style="display: flex; justify-content: flex-end; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">CPV COMPLETE?</div> <div style="border: 1px solid black; padding: 2px 5px;">X</div> <div style="border: 1px solid black; padding: 2px 5px;"></div> </div>	
PROCEDURE RESULTS						
INSPECTION DATE: 06/14/2024	CREW #: VN569	N #: N75	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: wendi s gima @ 06/14/2024 15:37			PRINTED NAME: GIMA, WENDI SUEMI			NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FLIGHT INSPECTOR REMARKS: CRATER LAKE/KLAMATH RGNL (LMT) KLAMATH FALLS, OREGON. RNAV (GPS) RWY 14, AMDT 2, Sat. Course change numbers changed to reflect MagVar update, many fixes changed names/positions, minimums changed slightly. Flew entire approach including both initial legs and the missed approach.						
IN-FLIGHT OBSTACLE REPORT						
OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:		

1. FLIGHT PROCEDURE IDENTIFICATION:

KLAMATH FALLS OR (KLMT)
KINGSLEY DEPARTURE

2. WAIVER REQUIRED AND APPLICABLE STANDARD:

FAA Order 8260.3 does not describe how to assess obstacles for a RADAR SID supporting a range of initial headings. In accordance with Flight Standards memo dated May 23, 2023, Clarification to FAA Order 8260.46, Departure Procedure (DP) Program, Standard Instrument Departure (SID), a diverse departure assessment can be used to evaluate obstacle clearance for this type of operation, but a waiver is required.

3. REASON FOR WAIVER (JUSTIFICATION FOR NONSTANDARD TREATMENT):

8260.3 does not describe how to assess obstacles for a SID supporting a range of initial headings when ATC requests a maintain altitude lower than unrestricted climb allowed by TERPS. AFS issued a Memo dated May 23, 2023 with the subject "Clarification to FAA Order 8260.46, Departure Procedure (DP) Program, Standard Instrument Departure (SID)", which states a waiver is required to apply 8260.3, 13-2 in this case.

Proposed departure will be as follows:

Takeoff Rwy 14: Climb on heading 144° (or ATC assigned heading 144° CW 323°). Thence....

Takeoff Rwy 26: Climb on heading 256°. Thence...

Takeoff Rwy 32: Climb on heading 324°. Thence...

...for vectors to assigned route. Maintain 10000. Expect clearance to assigned altitude five minutes after departure.

This approval request allows ATC to continue operations and traffic flows essential to the unique mixed fleet environment at KLMT.

4. EQUIVALENT LEVEL OF SAFETY PROVIDED:

Methodology from FAA Order 8260.3, Section 13-2, Diverse Departure Assessment was applied to assess obstacles to ensure obstacle clearance to the requested altitude. Climb gradients, termination altitudes, and sectors will be applied as follows:

RWY 08: NA-Terrain.

RWY 14: Sector 144 CW 323; CG 410 ft/NM to 7500 ft.

RWY 26: CG 315 ft/NM to 9800 ft.

RWY 32: CG 370 ft/NM to 7200 ft.

The range of headings 144° CW 323° has been evaluated and has no penetrations of the surface through the MVA altitude of 8600. Also the existing departure routes have been analyzed and there is no penetration of the departure surface through the MVA, as long as the required climb gradients are adhered to.

5. ALTERNATIVE ACTIONS DEEMED NOT FEASIBLE:

N/A

6. COORDINATION WITH USER ORGANIZATIONS (SPECIFY):

7. SUBMITTED BY:

DATE	OFFICE IDENTIFICATION	TITLE	SIGNATURE
	AJV-A4	Manager, Instrument Flight Procedures Group	Lonnie Everhart

Digitally signed by

8. AFS ACTIONS:

RAKE MCGRAW

☐ APPROVED ☐ DISAPPROVED ☐ NOT REQUIRED

Jul 17, 2024

COMMENTS:

DATE	ROUTING SYMBOL	SIGNATURE
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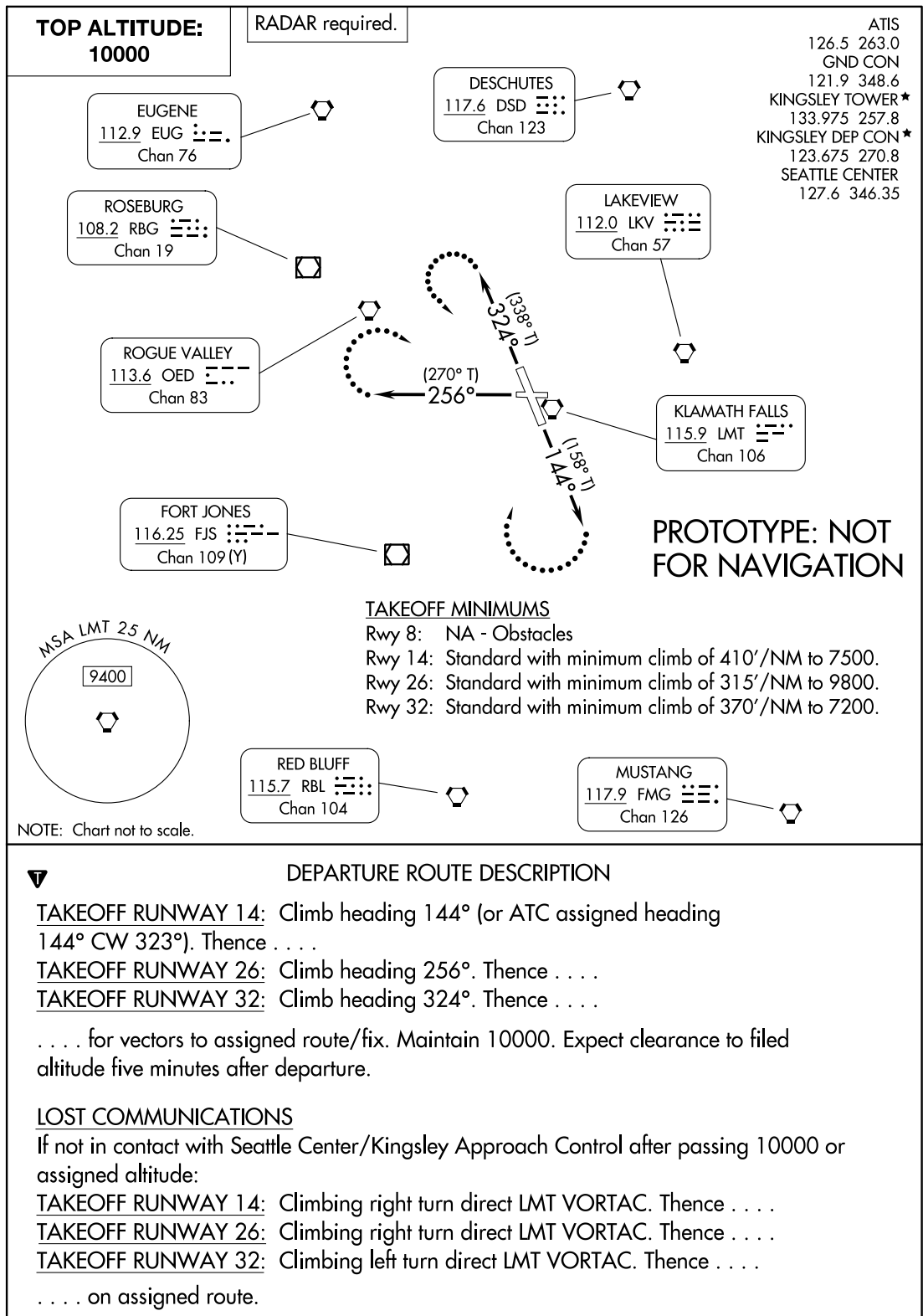
(LMT7.LMT) FIG

KINGSLEY SEVEN DEPARTURE

AL-473 (FAA)

CRATER LAKE/KLAMATH RGNL (LMT')

KLAMATH FALLS, OREGON



AUTOMATED AL-473 KINGSLEY DEPARTURE

NW-1

13 MAR 2024

COMPILER: CG

REVIEWER:

DBL CHKR:

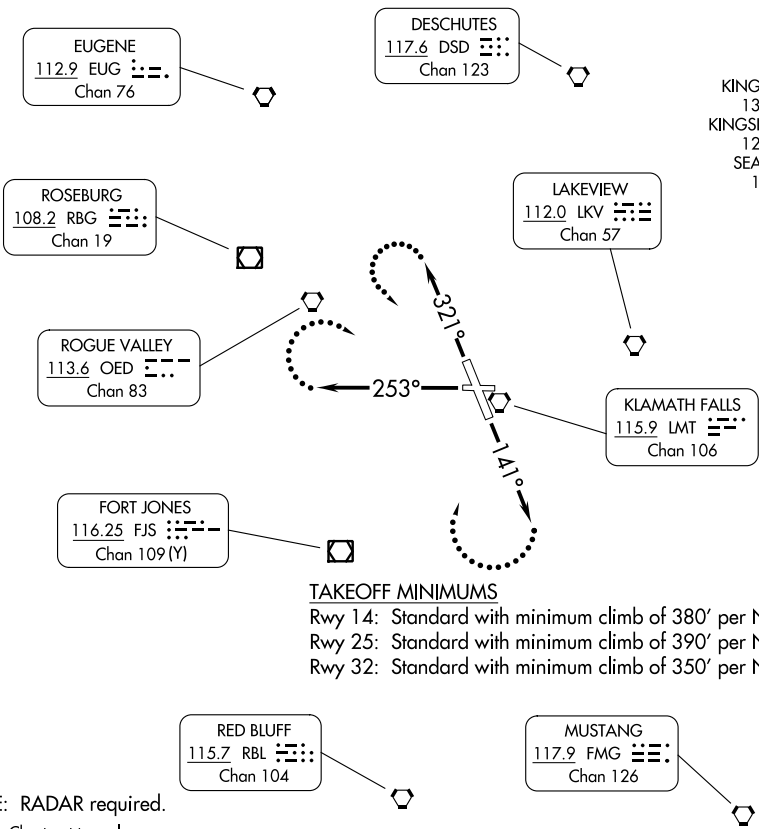
EFF: FIG

KINGSLEY SEVEN DEPARTURE

(LMT7.LMT) FIG

KLAMATH FALLS, OREGON

CRATER LAKE/KLAMATH RGNL (LMT')



ATIS
126.5 263.0
GND CON
121.9 348.6
KINGSLEY TOWER*
133.975 257.8
KINGSLEY DEP CON*
123.675 270.8
SEATTLE CENTER
127.6 346.35

NW-1, 28 DEC 2023 to 25 JAN 2024

NW-1, 28 DEC 2023 to 25 JAN 2024

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb heading 141° (or ATC assigned heading 140° CW 320°). Thence

TAKEOFF RUNWAY 25: Climb heading 253°. Thence

TAKEOFF RUNWAY 32: Climb heading 321°. Thence

. . . . all aircraft expect vectors to assigned route/fix. Maintain 10000 or assigned altitude. Expect clearance to filed altitude five minutes after departure.

LOST COMMUNICATIONS

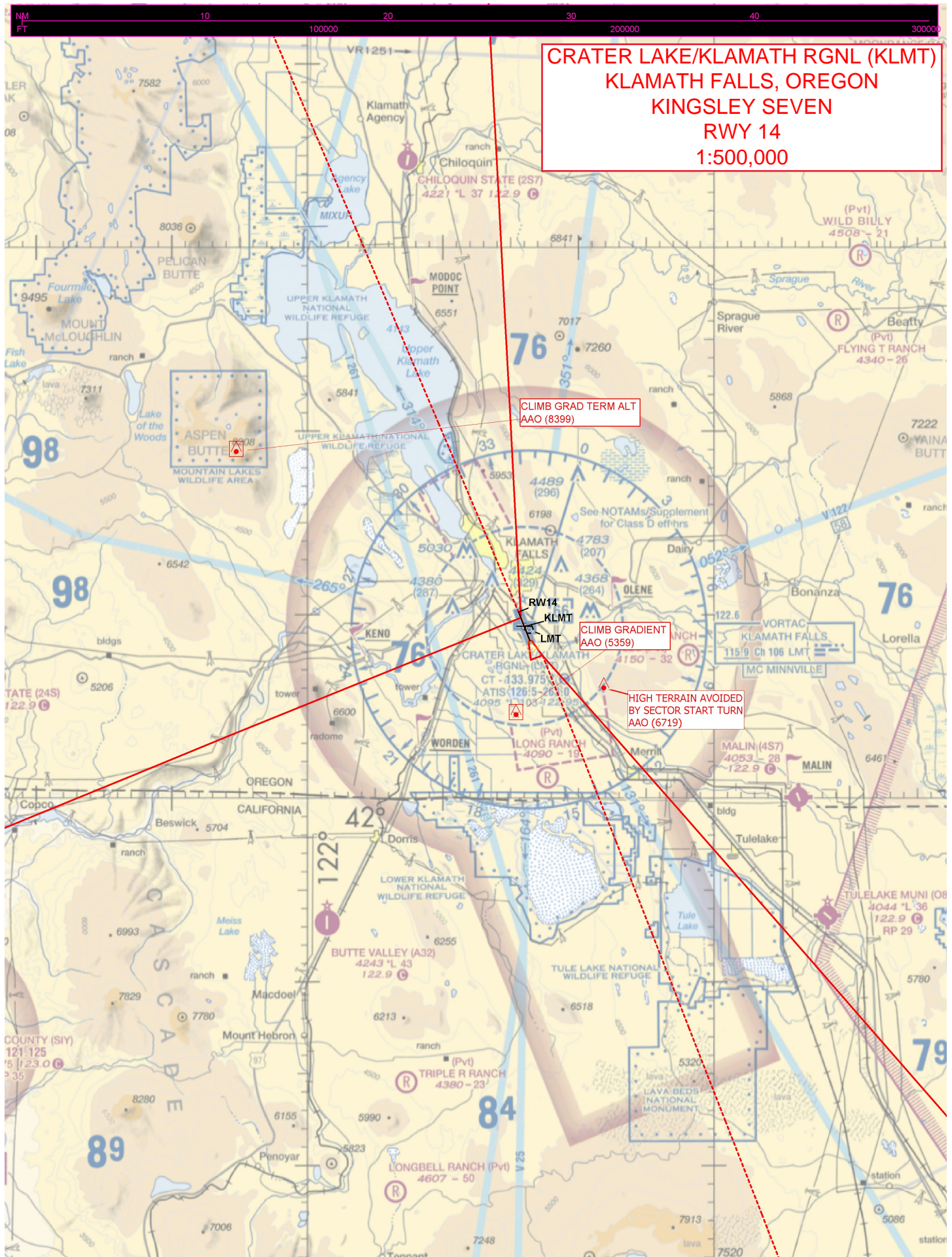
If not in contact with Seattle Center/Kingsley Approach Control after passing 10000 or assigned altitude:

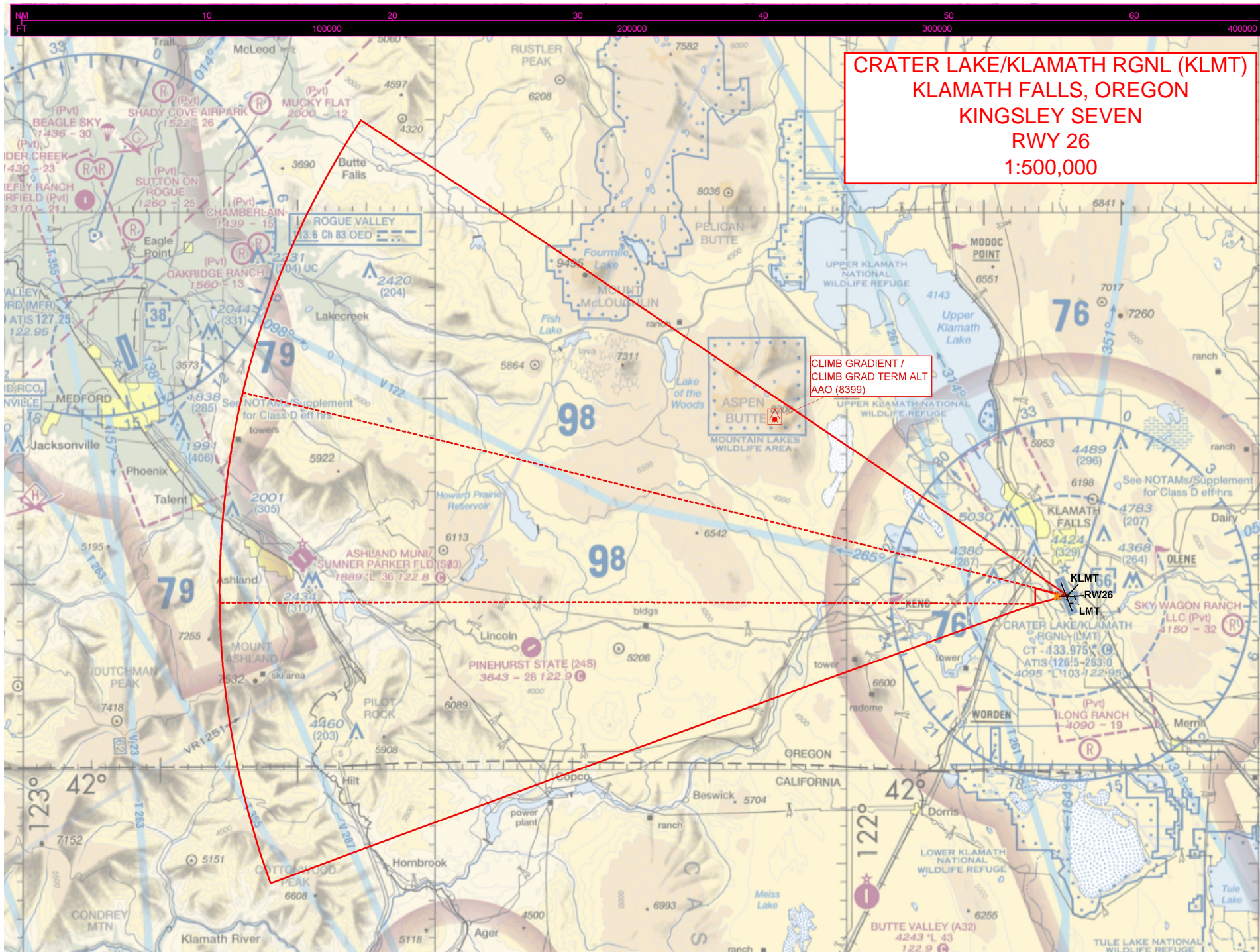
TAKEOFF RUNWAY 14: Climbing right turn direct LMT VORTAC. Thence

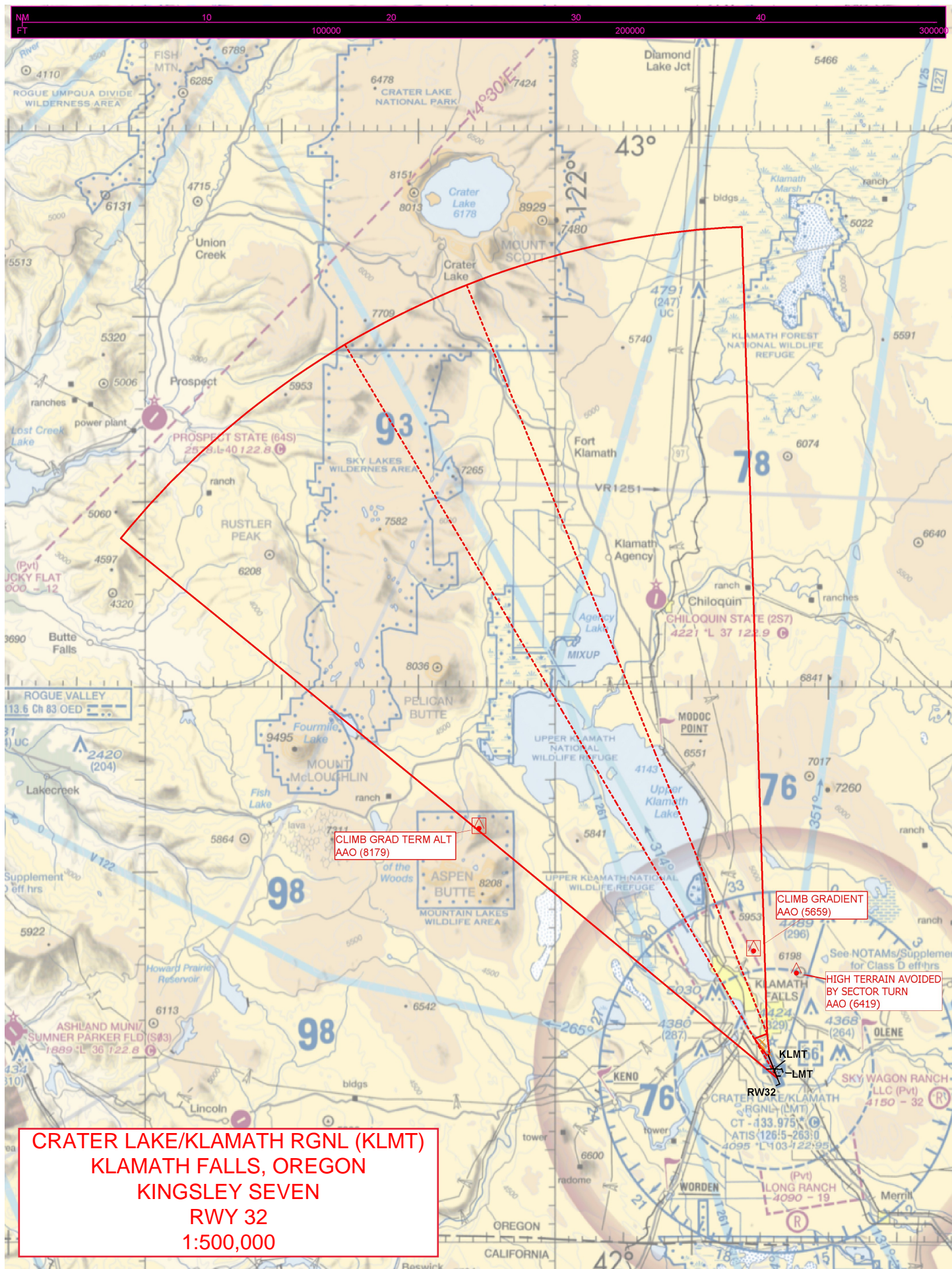
TAKEOFF RUNWAY 25: Climbing right turn direct LMT VORTAC. Thence

TAKEOFF RUNWAY 32: Climbing left turn direct LMT VORTAC. Thence

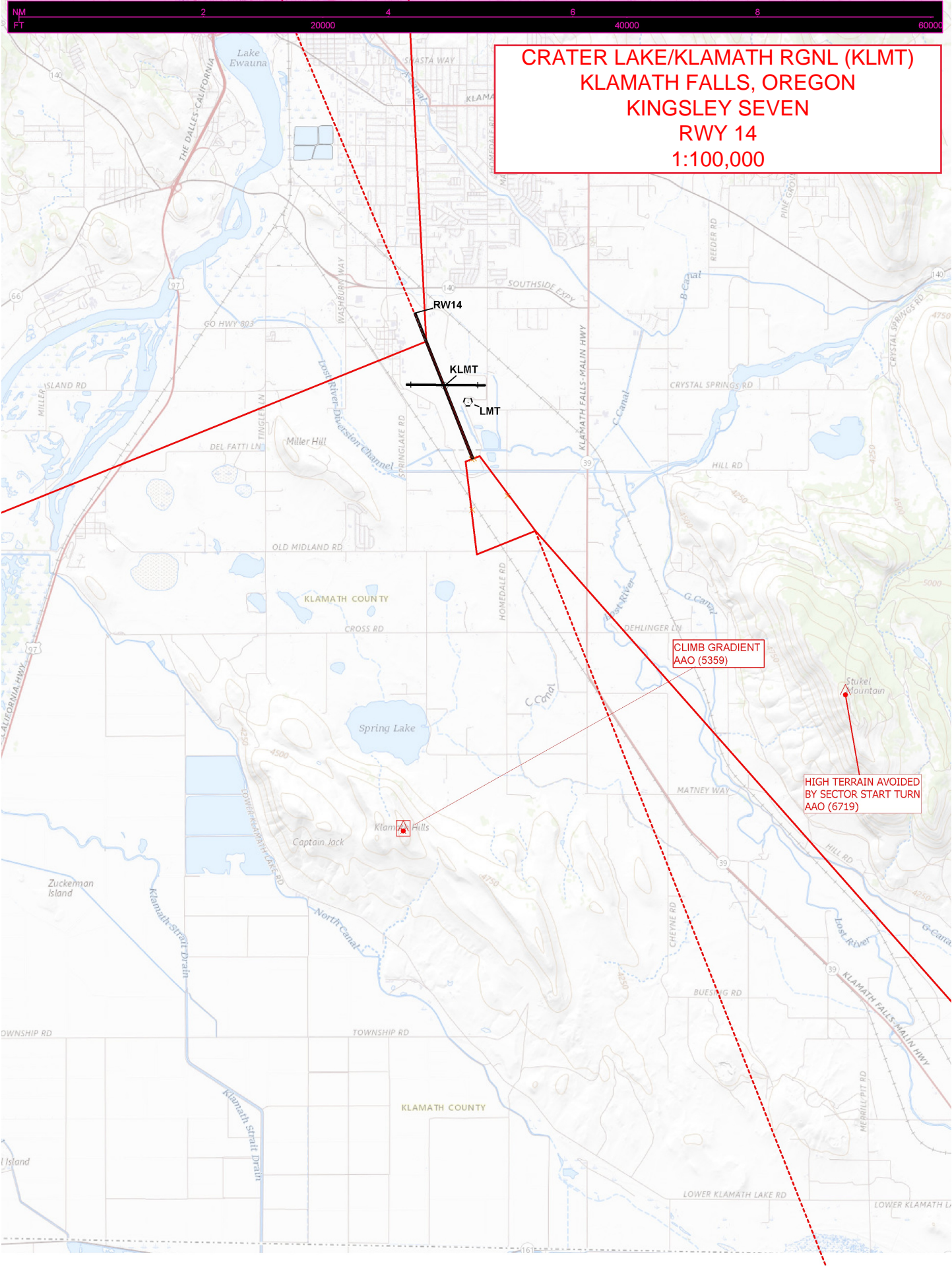
. . . . via assigned route.

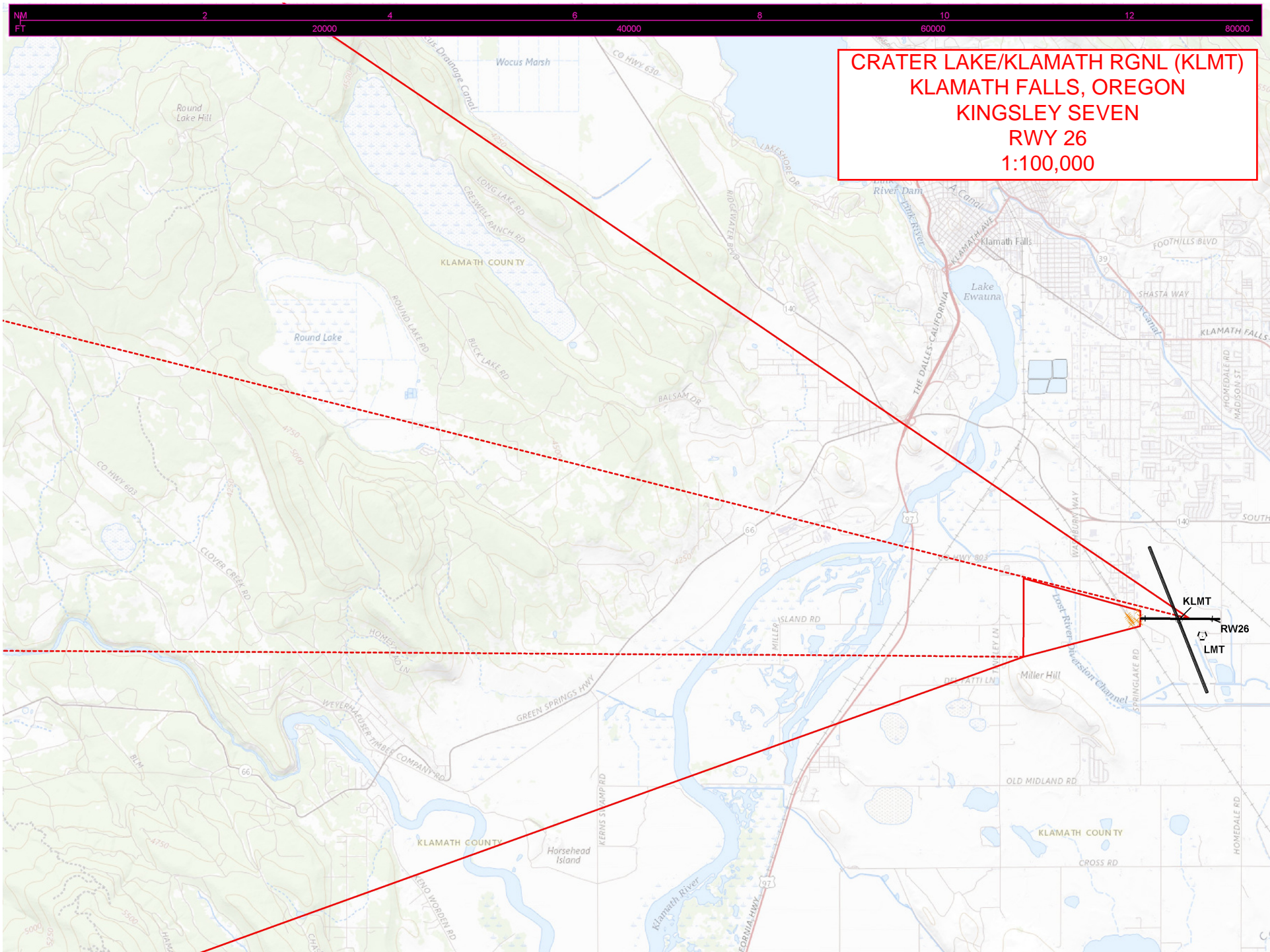


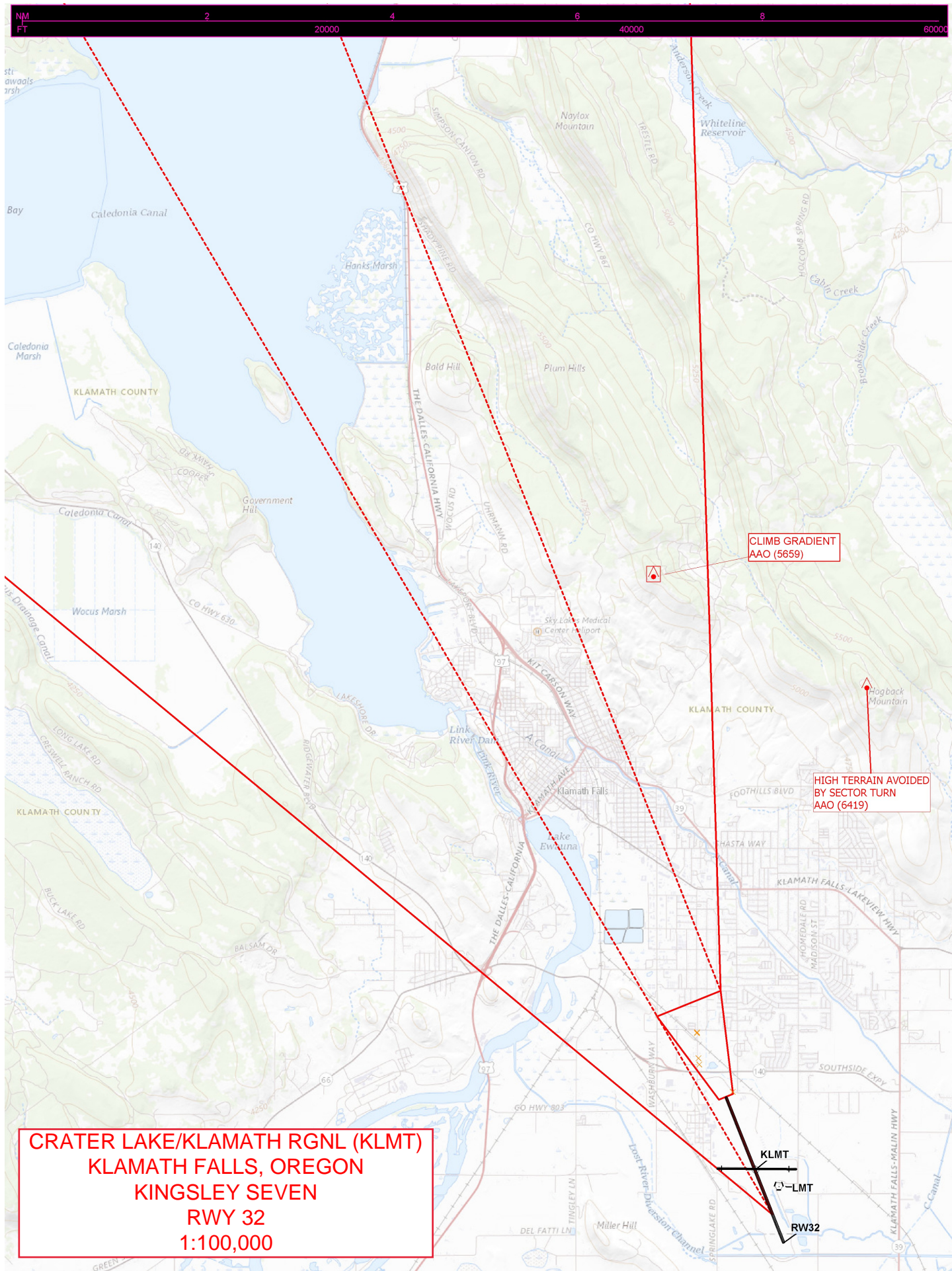




CRATER LAKE/KLAMATH RGNL (KLMT)
KLAMATH FALLS, OREGON
KINGSLEY SEVEN
RWY 14
1:100,000









Federal Aviation Administration

Initial Development Notification for AIRNAV Pending Records

To: Julie Morgan, Manager Aeronautical Data Team, AJV-A31

From: Marlon Robinson, Manager Instrument Flight Procedures Projects Team, AJV-A45

Subject: **ACTION:** Request for Pending Records **KLMT___CRATER LAKE/KLAMATH RGNL, , OR US**

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed will be revised effective concurrent with the publication of the procedure(s) listed below. Estimated Chart Date: 7/11/2024

Current/Assigned MV E 17 1990 New MV E 14 2025

ECD	Airport ID	Procedure Name	AMDT #	Task Report Type Selections
7/11/2024	KLMT	CRATER ONE DEPARTURE (OBSTACLE)		MAGVAR
7/11/2024	KLMT	HI - ILS Z OR LOC Z RWY 32 AMDT 8		MAGVAR
7/11/2024	KLMT	ILS OR LOC RWY 14 ORIG		MAGVAR
7/11/2024	KLMT	ILS Y OR LOC/DME Y RWY 32 AMDT 21		MAGVAR
7/11/2024	KLMT	RNAV (GPS) RWY 14 AMDT 2		MAGVAR
7/11/2024	KLMT	RNAV (GPS) RWY 32 AMDT 1		MAGVAR
7/11/2024	KLMT	SID KINGSLEY SEVEN KLAMATH FALLS WA KLMT		MAGVAR
7/11/2024	KLMT	TAKEOFF MINIMUMS AND OBSTACLE DP AMDT 6		MAGVAR

NAVAID ID / RWY	Type / Old No.	Use / New RWY/Note
I-LMT	ILS	ILS
I-LZO	ILS	ILS
RWY	25	26
RWY	7	8

RUNWAY 14/32 WILL NOT CHANGE AND THE KLAMATH FALLS (LMT) VORTAC WILL NOT BE UPDATED. - UPDATED TO ADD CRATER ONE DP

IF you have any questions please notify: john.bordy@faa.gov

Processed Monday, March 11, 2024