Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 06/17/2008	Task #: 2008061618983747001	Request #: 20080616189837
Procedure: VOR/DME-A AMDT 9		Airport ID: KMCD	Airport: MACKINAC ISLAND		Reimbursable #:
City: MACKINAC ISLAND	ST: MI	GPS #:		Estimated Chart Date: 07/26/2012	FICO #:
Fac ID: PLN	Fac. Type: VORTAC	Specialist: DONALD LANIER			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	02/01/2012	03/22/2012	JILL OLSON	
QA:	03/22/2012	03/28/2012	STEVEN SZUKALA	
Liaison:	03/28/2012		Alfonso	

P1

Procedure Comments:

Remark Type: INFORMATION

pks 4 of 4

MACKINAC ISLAND, MI MACKINAC ISLAND (KMCD) VOR/DME-A, AMDT 9 ENROUTE-NO FC: 6.12.12 PUB: 7.26.12

ATTACHED FORMS: 8260-5; 8260-9; 8260-7(S): AMDEE-INT, REV 3; MABEH-INT, REV 1; PELSTON (PLN) VTAC, REV 14.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568

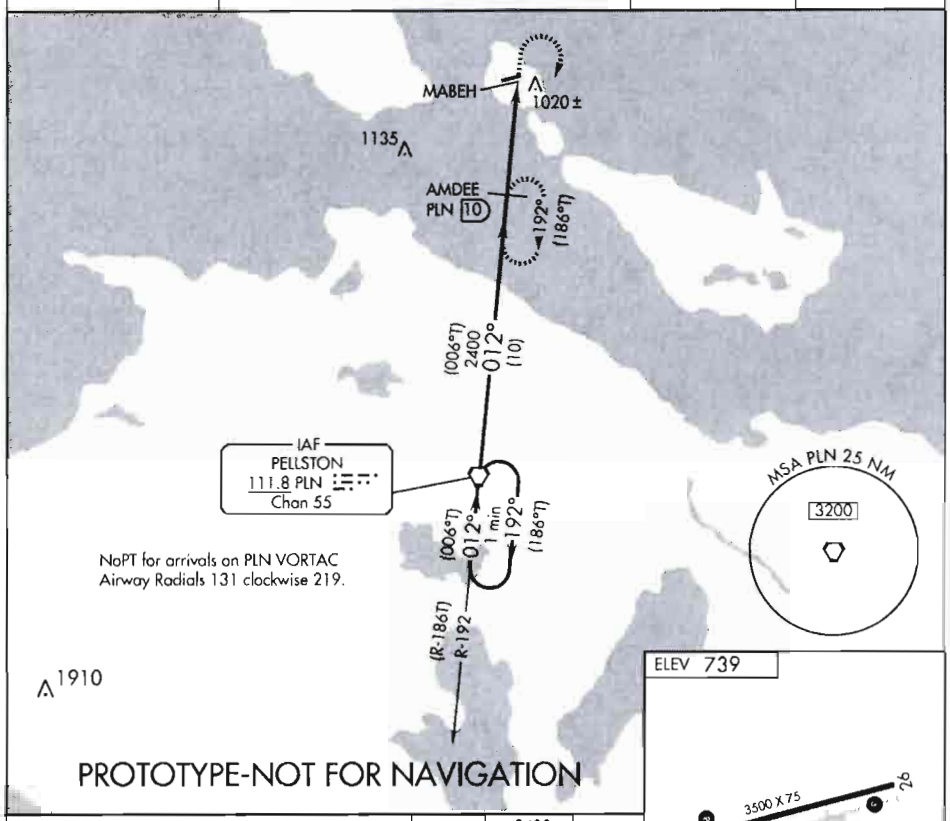
VOR/DME-A
MACKINAC ISLAND (MCD)

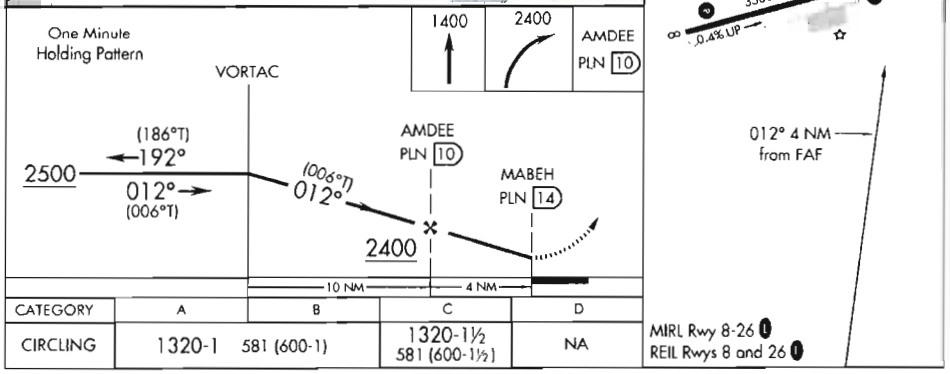
VORTAC PLN	APP CRS	Rwy ldg	N/A
111.8	012°	TDZE	N/A
Chan 55		Apt Elev	740

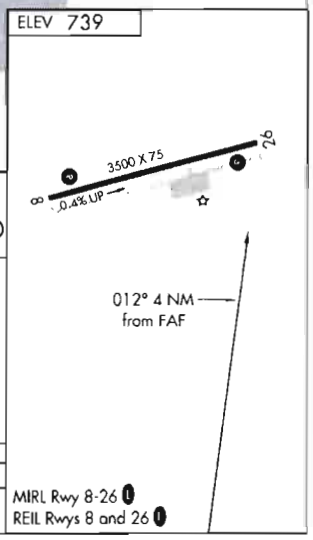
When VGSI inop, procedure NA at night.
When local altimeter setting not received, use Pellston altimeter setting and increase all MDA 60 feet, increase Cat C visibility 1/4 mile. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 1400 then climbing right turn to 2400 direct AMDEE 10 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM	
118.275	134.6 354.05	122.7 (CTAF)	122.8







CATEGORY	A	B	C	D
CIRCLING	1320-1 581 (600-1)		1320-1½ 581 (600-1½)	NA

MIRL Rwy 8-26
REIL Rwys 8 and 26

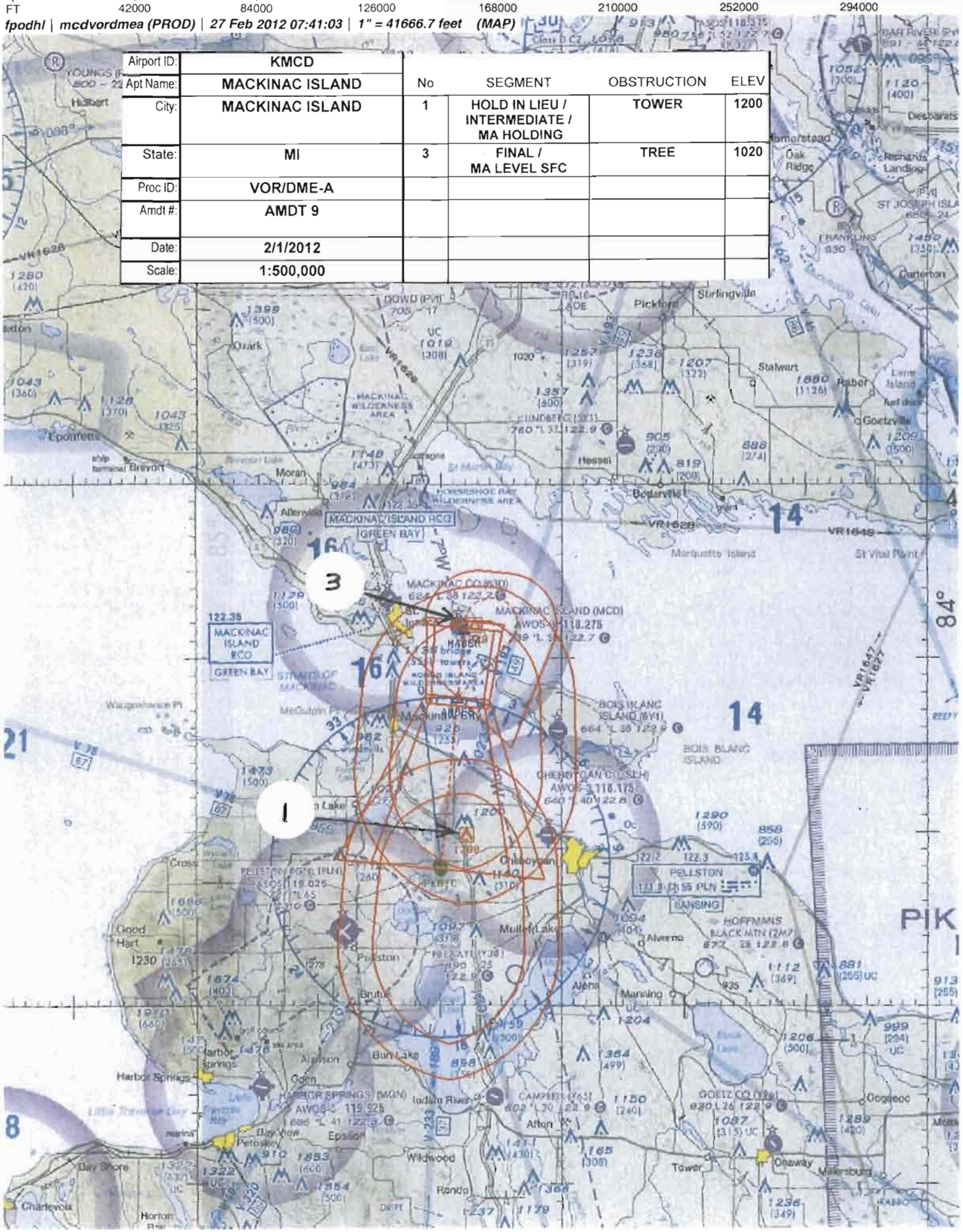
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodhl | mcdvordmea (PROD) | 27 Feb 2012 07:41:03 | 1" = 41666.7 feet (MAP)

Airport ID:	KMCD
Apt Name:	MACKINAC ISLAND
City:	MACKINAC ISLAND
State:	MI
Proc ID:	VOR/DME-A
Amdt #:	AMDT 9
Date:	2/1/2012
Scale:	1:500,000

No	SEGMENT	OBSTRUCTION	ELEV
1	HOLD IN LIEU / INTERMEDIATE / MA HOLDING	TOWER	1200
3	FINAL / MA LEVEL SFC	TREE	1020

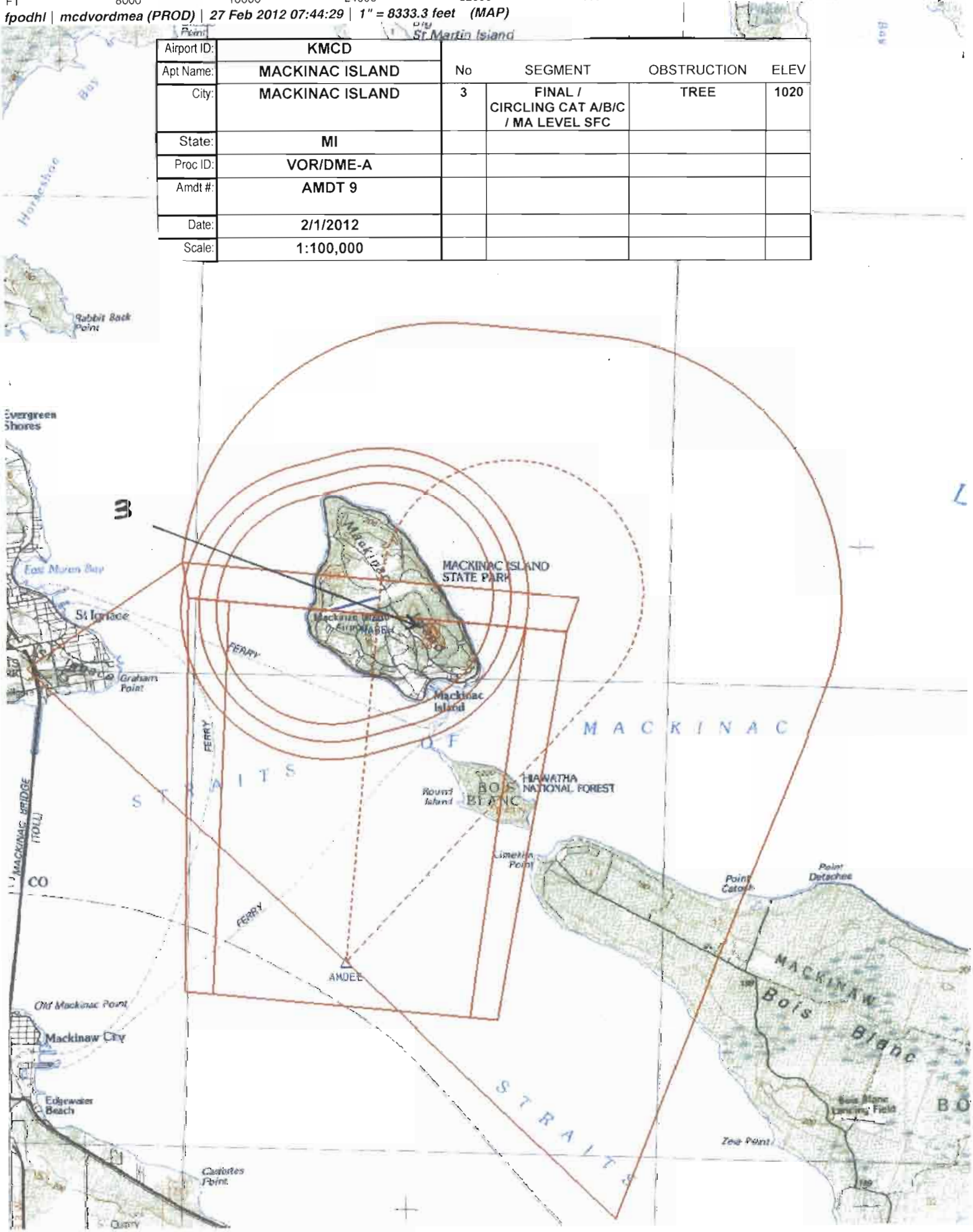

3
1
MACKINAC ISLAND (MCD)
MACKINAC ISLAND RCO
GREEN BAY
PELLSTON
LANSING
Mackinaw City
Cheboygan
Petoskey
Harbor Springs
Alpena
Gaylord
Grayling
Mackinac Island
Bois Blanc Island
Mackinac Bridge
Straits of Mackinac
Mullett Lake
Burt Lake
Indian River
Wildwood
Tower
Onaway
Rogers City
Charlevoix
Boyne City
Alanson
Ogden
Atlanta
Hillsdale
Sturgeon Point
Alverno
Hoffmans Black Mtn
Cross Lake
Good Hart
Brutus
Mackinac Island Wilderness Area
Horseshoe Bay Wilderness Area
Hessel
Moran
Epoufette
Brevort
Ozark
Stalwart
Raber
Goetzville
Pickford
Sterlingville
Bodaville
Marquette Island
St Vital Point
Cedarville
Hulbert
Deckerville
Richards Landing
Oak Ridge
Cogdeac
Millersburg
Rondo
Norton Bay
Bay View
Bay Shore
Epsilon
Atlanta
Alpena
Manning
Harbor Springs
Petoskey
Cheboygan
Mackinac Island
Bois Blanc Island
Pellston
Lansing
Gaylord
Grayling

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | mcdvordmea (PROD) | 27 Feb 2012 07:44:29 | 1" = 8333.3 feet (MAP)

Airport ID:	KMCD				
Apt Name:	MACKINAC ISLAND	No	SEGMENT	OBSTRUCTION	ELEV
City:	MACKINAC ISLAND	3	FINAL / CIRCLING CAT A/B/C / MA LEVEL SFC	TREE	1020
State:	MI				
Proc ID:	VOR/DME-A				
Amdt #:	AMDT 9				
Date:	2/1/2012				
Scale:	1:100,000				



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PLN VORTAC (IF/IAF)	AMDEE/ 10.00 DME	011.66 / 10.00	2400

MISSED APPROACH

MAP: MABEH/ 14.00 DME

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 2400 DIRECT AMDEE/10.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 011.66 INBOUND.
CHART FAS OBST: 1020 TREE 455130N/0843658W
FAC CROSSES APCH END OF RWY 26.
CHART APT ELEV 739.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S PLN VORTAC, RT, 011.66 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC 011.66 FAF AMDEE/ 10.00 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT PLN VORTAC 2500, AMDEE 2400
8. MSA FROM: PLN VORTAC 3200

MAG VAR: 6W EPOCH YEAR:1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A CIRCLING: STANDARD @

CATEGORY ====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1320	1	581	1320	1	581	1320	1 1/2	581		NA				

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PELLSTON ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE CAT C VISIBILITY 1/4 MILE.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON PLN VORTAC AIRWAY RADIALS 131 CW 219.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 739 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
MACKINAC ISLAND, MI	MACKINAC ISLAND	PLN	VOR/DME-A, AMDT 9	SUP VOR/DME OR GPS-A AMDT 8A DATE 09/01/2005

FAA FORM 8260-5 / April 2006 (computer generated)

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **ZMP, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **DONALD H. LANIER**	FIFO **AJV-353**	DATE: **02/24/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. REMOVED "OR GPS" FROM PROCEDURE NAME.
2. REMOVED CNF DESIGNATION PARENTHESES FROM FIX MABEH.
3. RAISED INTERMEDIATE BEGINNING ALTITUDE AT PLN VORTAC FROM 2400 TO 2500.
4. RAISED MSA ALTITUDE FROM 3100 TO 3200.
5. ADDED CLIMB TO ALTITUDE OF 1400 TO MISSED APPROACH INSTRUCTIONS.
6. ADDED ALTERNATE MINIMUMS.
7. MODIFIED BACKUP ALTIMETER NOTE.
8. ADDED WHEN VGSI INOP, PROCEDURE NA AT NIGHT NOTE.
9. ADDED VISIBILITY REDUCTION BY HELICOPTERS NA NOTE.
10. HAA CHANGED FROM 580 TO 581.

REASONS:

1. AFS 420 MEMO DATED 9/8/00.
2. NO LONGER CNF.
3. DESIGN CHANGE/DESCENT IN INITIAL NOT NEEDED.
4. OBSTACLE DATA.
5. MISSED APPROACH ALTITUDE REACHED PRIOR TO END OF SECTION 1. CLIMB TO ALTITUDE REQUIRED.
6. KMCD AWOS ON SERVICE A.
7. KMCD AWOS AND KPLN ASOS ON SERVICE A.
8, 9. 20:1 PENETRATIONS.
10. APT ELEV CHANGED FROM 740 TO 739.

QUALITY 1 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	PLN VORTAC	AMDEE/ 10.00 DME	1. TOWER (26-001896)	453923.00N/0843742.00W	1200 (5D)	500		1700
	(IF/IAF)		2. TERRAIN	453815.00N/0844350.00W	920 (900)		AS1500	2400
FINAL	AMDEE/ 10.00 DME	MABEH/ 14.00 DME	3. TREE	455130.00N/0843658.00W	1020 (2C)	250		1280
2. HOLD-IN-LIEU-OF-PT	PLN VORTAC	P-4	1. TOWER (26-001896)	453923.00N/0843742.00W	1200 (5D)	1000	AT300	2500
			2. TERRAIN	453815.00N/0844350.00W	920 (900)		AS1500	2400
3. MISSED APPROACH — MAP:	MABEH/ 14.00 DME	AMDEE/10.00 DME				ASC		2400
			3. TREE	455130.00N/0843658.00W	1020 (2C)	1000		2100
ELEV:	1020		4. TERRAIN	455145.00N/0843718.00W	899 (900)		AS1500	2400

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	581		3. TREE	455130.00N/0843658.00W	1020 (2C)	300		1320
CATEGORY B	1.5 NM	450	581		3. TREE	455130.00N/0843658.00W	1020 (2C)	300		1320
CATEGORY C	1.7 NM	450	581		3. TREE	455130.00N/0843658.00W	1020 (2C)	300		1320
CATEGORY D	2.3 NM	550								
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **PLN VORTAC**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (26-001587)	194/ 27.9	2168 (5D)	3200					

QUALITY CHECKED 6

CITY AND STATE	ELEVATION: 739 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MACKINAC ISLAND, MI	MACKINAC ISLAND	PLN	VOR/DME-A, AMDT 9	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZMP ARTCC		N W S	OTHER: AWOS-3	SOURCE: KMCD / KPLN
		F A A		DISTANCE: 0 / 18.88
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / 24
X V H F X U H F H F	LOCATION: KMCD			ADJUSTMENT: 0 / 46

4. MONITOR STATUS	PRIMARY NAVAID: PLN VORTAC		
	MONITOR POINT: ZMP ARTCC		
	HRS OPTN:	CAT 1	24
		CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 08 (PCL), 26 (PCL)
	X	REIL 08 (PCL), 26 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 08 (PCL), 26 (PCL)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-F 08, 26
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: DONALD H. LANIER	DATE: 02/24/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL IS CIRCLING ONLY.

PARA 251, 20:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KMCD AWOS AND KPLN ASOS ON SERVICE A.

RWY 8 VGSI DATA: 3.50/20
RWY 26 VGSI DATA: 4.00/40.

RASS PRESSURE PATTERNS SAME
KMCD 738.9, KPLN 720.7
RA = 45.98.
SEE ATTACHED AIRSPACE LETTER.

TERPS, VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:
RWY 26 20:1 (FPT NOTIFIED)
819 TREE 455157.82N/0843734.26W (36.56)
825 TREE 455159.12N/0843732.50W (36.16)
828 TREE 455158.44N/0843731.01W (33.65)
833 TREE 455158.92N/0843728.48W (29.38)
829 TREE 455158.77N/0843724.97W (13.56)
833 TREE 455157.82N/0843722.43W (7.96)
790 TREE 455159.22N/0843731.01W (0.73)

RWY 8 20:1 (FPT NOTIFIED)
809 TREE 455149.68N/0843847.66W (63.44)
809 TREE 455145.62N/0843848.05W (56.88)
734 ROAD 455148.69N/0843843.27W (2.18)

100' VEGETATION USED PER FPT.

CIRCLING RWY 8/26 NA AT NIGHT WHEN VGSI INOP DUE TO 20:1 PENETRATIONS.

QUALITY CHECKED 6

RADIO FIX AND HOLDING DATA RECORD

NAME: AMDEE **STATE:** MI **COUNTRY:** US

LATITUDE/LONGITUDE: 454747.19N/0843826.24W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PELLSTON	PLN	VORTAC	L	011.66	005.66	10.00	10.00	60755	2400	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	PLN	VORTAC	191.66	011.66	R		4	2400	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001896)	453923.00N/0843742.00W	1200	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR/DME-A	1	1	KMCD	MACKINAC ISLAND	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE.
CHANGED FAC 1 MAG BRG/TRUE BRG FROM 011.65/005.65 TO 011.66/005.66.
ADDED FAC 1 DIST FROM FAC 10.00 NM/60755 FT.
CHANGED HOLDING PAT 1 RAD/CRS/BRG FROM 192.00 TO 191.66.
CHANGED HOLDING PAT 1 CRS INBOUND FROM 012.00 TO 011.66.
CHANGED HOLDING PAT 1 AIRSPEED FROM 230 TO 200 AND UPDATED CONTROLLING OBSTACLE DATA (NEW OBSTACLE).

DEVELOPED BY: **DATE:** 02/08/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY 6 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MABEH **STATE:** MI **COUNTRY:** US

LATITUDE/LONGITUDE: 455145.95N/0843752.33W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PELLSTON	PLN	VORTAC	L	011.66	005.66	14.00	14.00		1220	2400

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR/DME-A	1		KMCD	MACKINAC ISLAND	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
CONVERTED FIX TYPE FROM CNF TO DME.
ADDED FIX USE DATA.
ADDED FAC 1 DATA.
ADDED CHART IAP DATA.

DEVELOPED BY: **DATE:** 02/08/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PELLSTON VORTAC **STATE:** MI **COUNTRY:** US

LATITUDE/LONGITUDE: 453750.32N/0843950.82W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PELLSTON	PLN	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	PLN	VORTAC	066.00	246.00	R	1		2400	10000	4	9
2	W	PLN	VORTAC	262.15	082.15	R	1		2800	10000	4	9
3	S	PLN	VORTAC	191.66	011.66	R	1		2400	10000	4	9
4	NE	PLN	VORTAC	046.61	226.61	R	1		3000	10000	4	9
5	NE	PLN	VORTAC	063.00	243.00	R	1		2400	10000	4	9
6	NE		WP	066.00	246.00	R		4	2400	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	AAO	453233.00N/0845142.00W	1349	4E
1	200	TOWER (26-001896)	453923.00N/0843742.00W	1200	5D
2	200	AAO	453239.00N/0845118.00W	1273	4E
3	200	TOWER (26-001896)	453923.00N/0843742.00W	1200	5D
4	200	TOWER (26-001896)	453923.00N/0843742.00W	1200	5D
5	200	TOWER (26-001896)	453923.00N/0843742.00W	1200	5D
6	200	TOWER (26-001896)	453923.00N/0843742.00W	1200	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V193					(US)
EN ROUTE	V193-320					(US)
EN ROUTE	V233					(US)
EN ROUTE	V609					(US)
EN ROUTE	V78					(US)
IAP	NDB RWY 27			KSJX	BEAVER ISLAND	MI (US)
IAP	RNAV (GPS) RWY 27			KSJX	BEAVER ISLAND	MI (US)
IAP	RNAV (GPS) RWY 9			KN98	BOYNE CITY	MI (US)
IAP	RNAV (GPS) RWY 17			KBFA	BOYNE FALLS	MI (US)
IAP	RNAV (GPS) RWY 27			KCVX	CHARLEVOIX	MI (US)
IAP	RNAV (GPS) RWY 9			KCVX	CHARLEVOIX	MI (US)
IAP	RNAV (GPS) RWY 10			KSLH	CHEBOYGAN	MI (US)
IAP	RNAV (GPS) RWY 28			KSLH	CHEBOYGAN	MI (US)
IAP	VOR RWY 10		2	KSLH	CHEBOYGAN	MI (US)
IAP	VOR-A		4	KMGN	HARBOR SPRINGS	MI (US)
IAP	RNAV (GPS) RWY 26			KMCD	MACKINAC ISLAND	MI (US)
IAP	RNAV (GPS) RWY 8			KMCD	MACKINAC ISLAND	MI (US)
IAP	VOR/DME-A		3	KMCD	MACKINAC ISLAND	MI (US)
IAP	ILS OR LOC RWY 32		1	KPLN	PELLSTON	MI (US)
IAP	RNAV (GPS) RWY 23			KPLN	PELLSTON	MI (US)
IAP	RNAV (GPS) RWY 32		6	KPLN	PELLSTON	MI (US)
IAP	VOR RWY 23		1	KPLN	PELLSTON	MI (US)
IAP	VOR/DME RWY 5		5	KPLN	PELLSTON	MI (US)
IAP	RNAV (GPS) RWY 27			KPZQ	ROGERS CITY	MI (US)
IAP	RNAV (GPS) RWY 9			KPZQ	ROGERS CITY	MI (US)
IAP	NDB RWY 34			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 27			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 9			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 25			K83D	ST. IGNACE	MI (US)
IAP	RNAV (GPS) RWY 7			K83D	ST. IGNACE	MI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 07/26/2012

QUALITY CHECKED

REASON FOR REVISION:
UPDATED FIX USE.
CHANGED HOLDING PAT 3 CRS INBOUND FROM 11.65 TO 11.66.
CHANGED HOLDING PAT 2 CONTROLLING OBSTACLE DATA.

DEVELOPED BY:	**DATE:** 02/08/2012	**OFFICE:** AJV-353	**NAME:** DONALD LANIER
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: APN APP CON
OTHER: AIRPORT MANAGER

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MACKINAC ISLAND** STATE: **MI**

AIRPORT NAME: **MACKINAC ISLAND** ID: **KMCD**

PROCEDURE: **VOR/DME-A** AMDT: **9**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **FACILITY** to 1000' point **12.33**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **2.82**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **005.66**
4. High Terrain in **FINAL** segment containing 1000' point **739**
5. Distance from **FACILITY** to 1500' point **10.40**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.02**
7. True Course of **FINAL** segment containing 1500' point **005.66**
8. High Terrain in **FINAL** segment containing 1500' point **739**
9. Threshold Coordinates (if straight-in) ... **NA** / **NA**
10. ARP Coordinates ..... **455153.80N** / **0843814.4W**
11. Runway Approach End and distance furthest from ARP ..... RWY **8**
    Distance **0.29** NM
12. FAF Coordinates ..... **454747.18N** / **0843826.24W**

REMARKS: Approach/Drawing attached.