Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: TEXTUAL DP	Date Open: 02/01/2012	Task #: 2009031715550401001	Request #: 20090317155504
Procedure: MACKINAC ISLAND MI KMCD AMDT 2		Airport ID: KMCD	Airport: MACKINAC ISLAND		Reimbursable #:
City: MACKINAC ISLAND	ST: MI	GPS #:		Estimated Chart Date: 07/26/2012	FICO #:
Fac ID:	Fac. Type: Proc T	Specialist: DONALD LANIER			

Procedure Review

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

P1

Procedure Comments:

Remark Type: INFORMATION

Pkg 3.f4

MACKINAC ISLAND, MI MACKINAC ISLAND (KMCD) TAKEOFF DEP/MINS, AMDT 2 ENROUTE-NO FC: 6.12.12 PUB: 7.26.12

ATTACHED FORMS: 8260-15A.

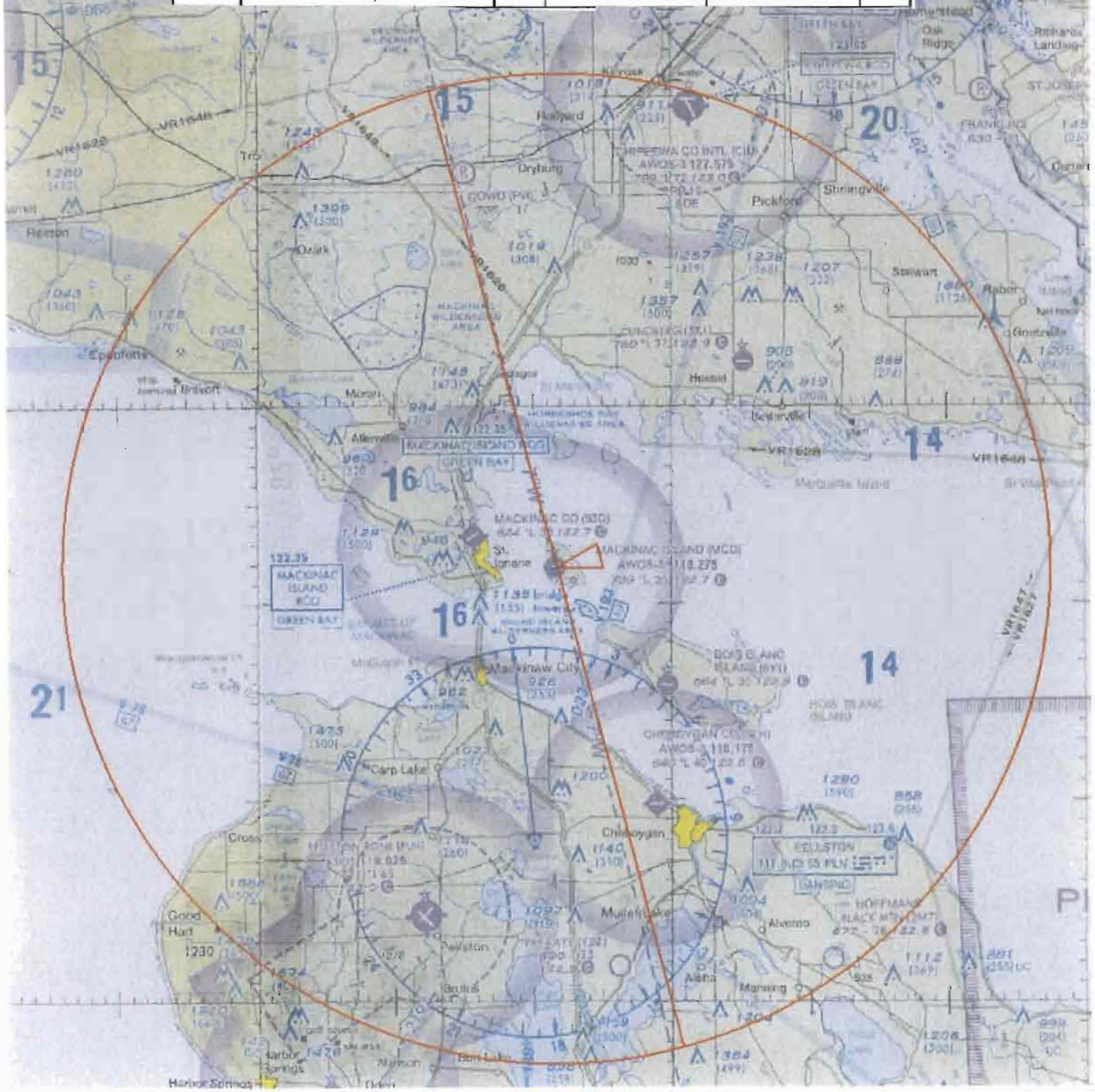
CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568

NM	7	14	21	28	35	42	49
FT	42000	84000	126000	168000	210000	252000	294000

fpodhl | mcddep8 (PROD) | 2 Feb 2012 09:37:07 | 1" = 41666.7 feet (MAP)

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

No	SEGMENT	OBSTRUCTION	ELEV
	RWY 8 DIVERSE A/B	ASC	



NM	7	14	21	28	35	42	49
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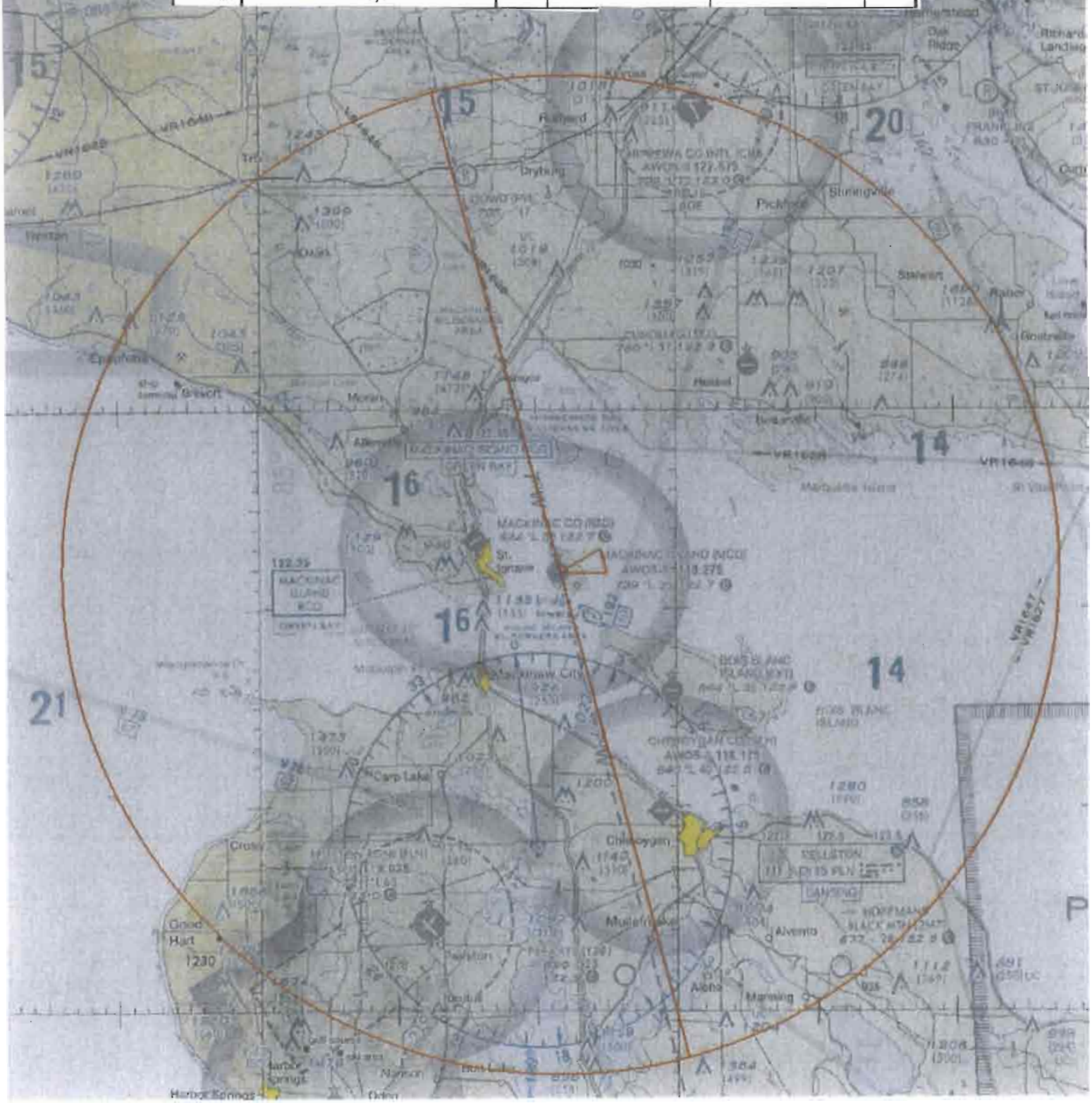
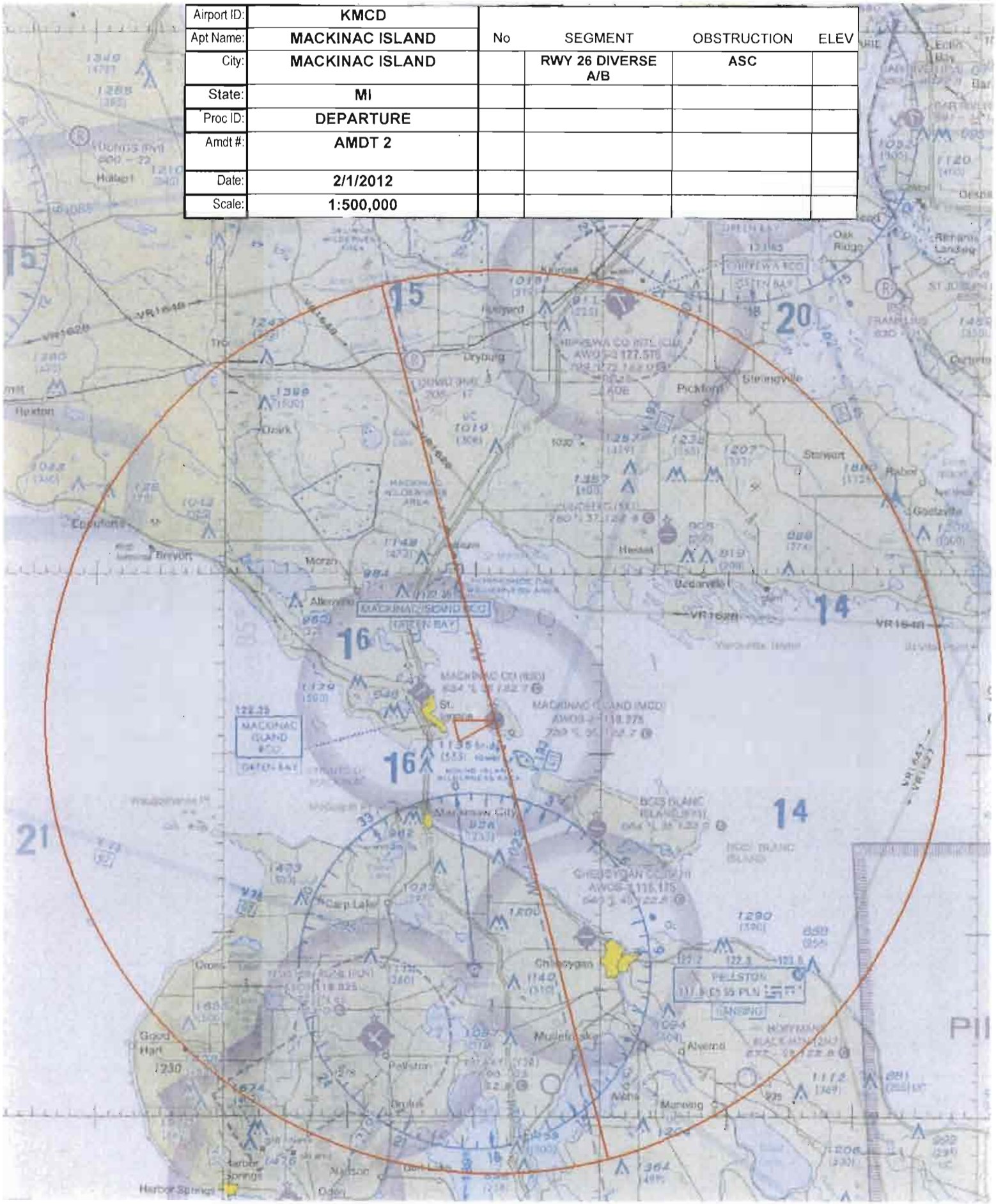
City:	MACKINAC ISLAND		RWY 8 DIVERSE A/B	ASC	
State:	MI				
Proc ID:	DEPARTURE				
Amdt #:	AMDT 2				
Date:	2/1/2012				
Scale:	1:500,000				



NM	7	14	21	28	35	42	49
FT	42000	84000	126000	168000	210000	252000	294000

fpodhl | mcddep26 (PROD) | 2 Feb 2012 12:25:50 | 1" = 41666.7 feet (MAP)

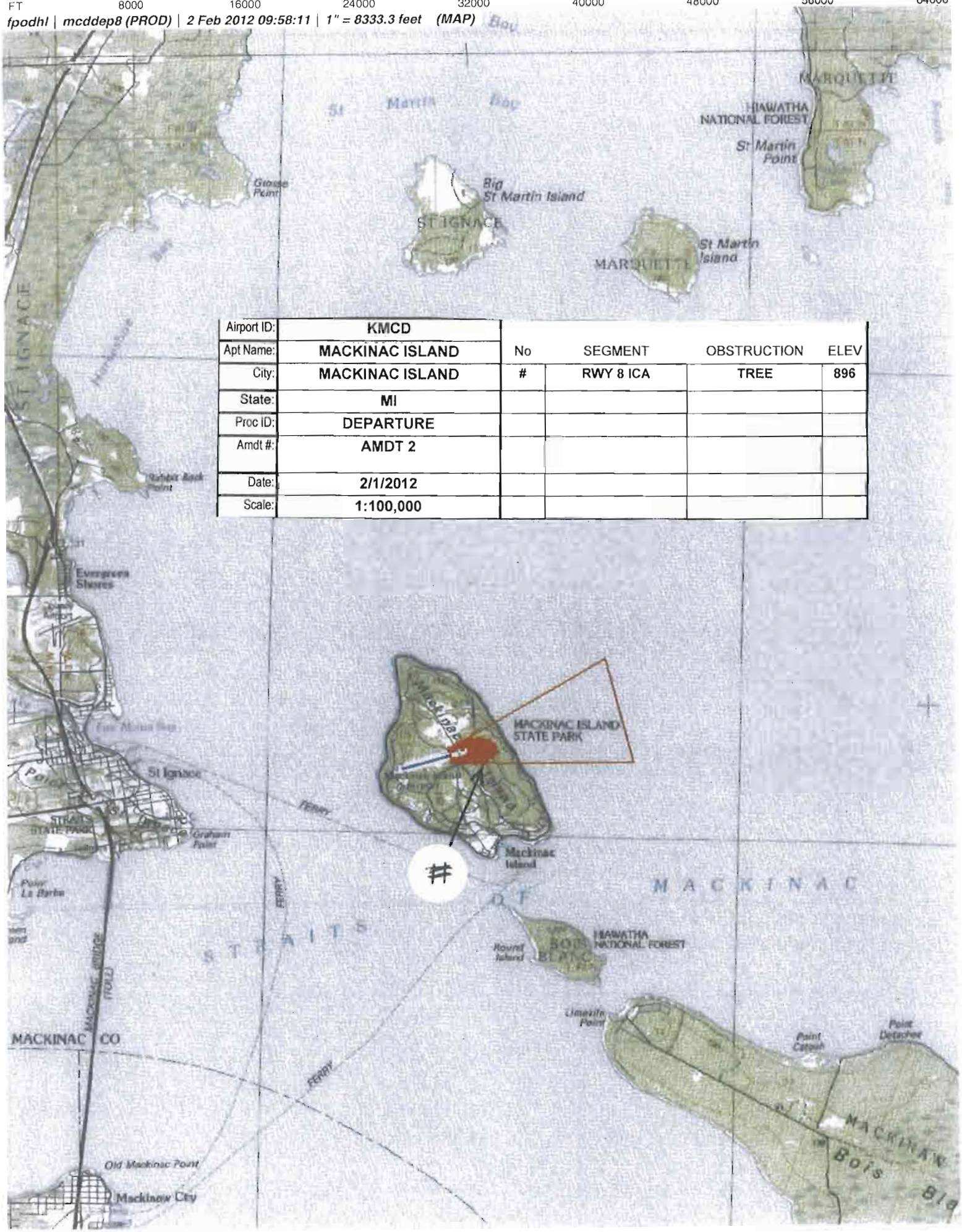
Airport ID:	**KMCD**				
Apt Name:	**MACKINAC ISLAND**	No	SEGMENT	OBSTRUCTION	ELEV
City:	**MACKINAC ISLAND**		**RWY 26 DIVERSE A/B**	**ASC**	
State:	**MI**				
Proc ID:	**DEPARTURE**				
Amdt #:	**AMDT 2**				
Date:	**2/1/2012**				
Scale:	**1:500,000**				



NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | mcddep8 (PROD) | 2 Feb 2012 09:58:11 | 1" = 8333.3 feet (MAP)

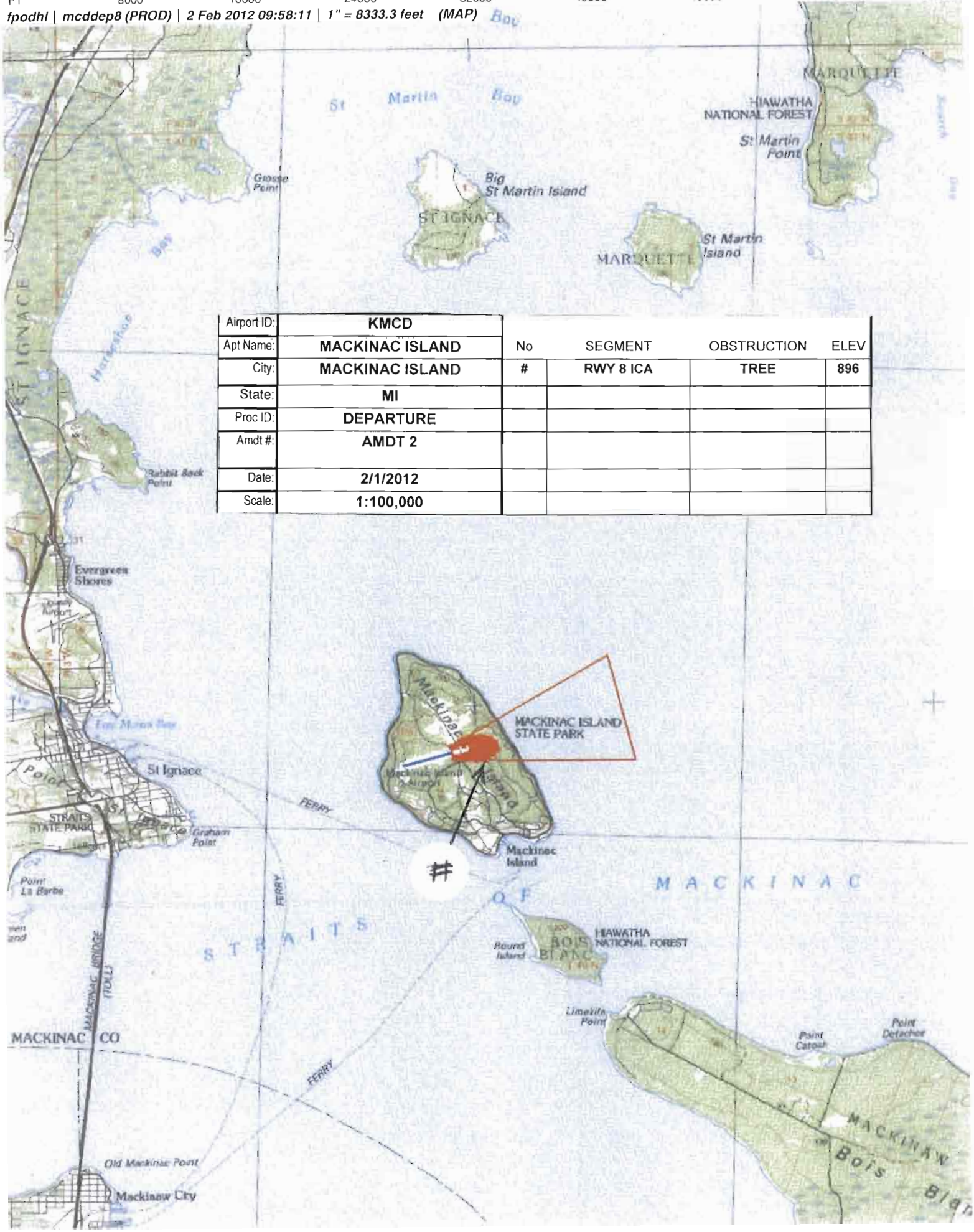


Airport ID:	KMCD				
Apt Name:	MACKINAC ISLAND	No	SEGMENT	OBSTRUCTION	ELEV
City:	MACKINAC ISLAND	#	RWY 8 ICA	TREE	896
State:	MI				
Proc ID:	DEPARTURE				
Amdt #:	AMDT 2				
Date:	2/1/2012				
Scale:	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | mcddep8 (PROD) | 2 Feb 2012 09:58:11 | 1" = 8333.3 feet (MAP)

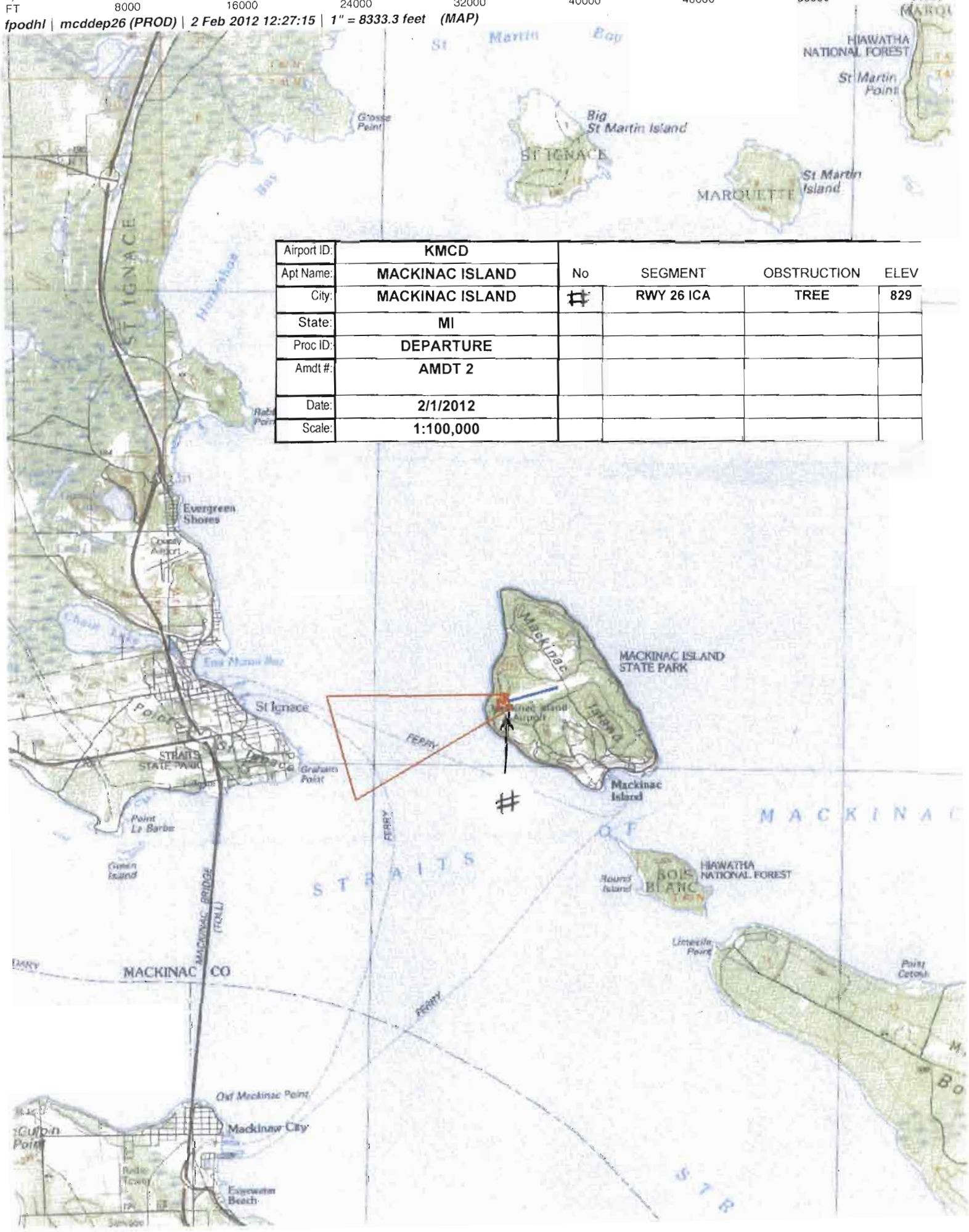


Airport ID:	KMCD				
Apt Name:	MACKINAC ISLAND	No	SEGMENT	OBSTRUCTION	ELEV
City:	MACKINAC ISLAND	#	RWY 8 ICA	TREE	896
State:	MI				
Proc ID:	DEPARTURE				
Amdt #:	AMDT 2				
Date:	2/1/2012				
Scale:	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | mcddep26 (PROD) | 2 Feb 2012 12:27:15 | 1" = 8333.3 feet (MAP)



Airport ID:	KMCD
Apt Name:	MACKINAC ISLAND
City:	MACKINAC ISLAND
State:	MI
Proc ID:	DEPARTURE
Amdt #:	AMDT 2
Date:	2/1/2012
Scale:	1:100,000

No	SEGMENT	OBSTRUCTION	ELEV
#	RWY 26 ICA	TREE	829

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MACKINAC ISLAND, MI	MACKINAC ISLAND		2

TAKEOFF MINIMUMS:

RWY 26, STANDARD.

RWY 8, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 608 FT PER NM TO 1000.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, TREES AND BUILDING BEGINNING 69 FT FROM DER, 16 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/841 FT MSL. TREES BEGINNING 34 FT FROM DER, 34 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/896 FT MSL. FENCE 49 FT FROM DER, 295 FT RIGHT OF CENTERLINE, 8 FT AGL/741 FT MSL. VEHICLE ON ROAD 525 FT FROM DER, 610 FT RIGHT OF CENTERLINE, 15 FT AGL/774 FT MSL.

NOTE: RWY 26, TREES BEGINNING 8 FT FROM DER, 193 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/829 FT MSL. VEHICLE ON ROAD 36 FT FROM DER, 334 FT LEFT OF CENTERLINE, 15 FT AGL/744 FT MSL. TREES BEGINNING AT DER, 196 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/829 FT MSL. FENCE 53 FT FROM DER, 202 FT RIGHT OF CENTERLINE, 8 FT AGL/727 FT MSL. BUILDING 129 FT FROM DER, 498 FT RIGHT OF CENTERLINE, 28 AGL/747 FT MSL. VEHICLE ON ROAD 354 FT FROM DER, 20 FT RIGHT OF CENTERLINE, 15 FT AGL/734 FT MSL.

CONTROLLING OBSTACLES:

RWY 8: 896 MSL TREE 455153.76N/0843719.21W.

REMARKS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MACKINAC ISLAND, MI	MACKINAC ISLAND		2

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DON LANIER AJV-353 2/1/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ALPA, AOPA, NBAA, ZMP ARTCC, AMGR.

CHANGES:

1. DELETED RWY 8 DEPARTURE PROCEDURE.
2. ADDED TAKE-OFF MINIMUMS: RWY 8, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 608 FT PER NM TO 1000.
3. ADDED RWY 8 AND RWY 26 TAKEOFF OBSTACLE NOTES.

REASONS:

1,2,3. NEW SURVEY/OBSTACLE DATA.

QUALITY CHECKED

Federal Aviation Administration

Memorandum

Date: 02/03/2012

To: Manager, Flight Procedure Standards

From: Chas. Frederic Anderson
Manager, National Flight Procedures Group

Subject: **ACTION:** Approval Request

Rwy 08 Takeoff Minimums and Obstacle Departure Procedures (ODP), Amdt 2, Mackinac Island, Mackinac Island, MI (KMCD).

Climb gradient exceeds 500 feet per NM, 8260.46D, para 2-1d(2).

The computed climb gradient is 608 feet per NM to an altitude 1000 feet MSL (261.1 feet above airport elevation). The obstacle driving this climb gradient is an 896 MSL surveyed tree (Obstacle #KMCDT0108).

Request approval to publish takeoff minimums for Rwy 8, 300-1 or standard minimums with a climb gradient of 608 feet per NM to 1000 to allow 40:1 obstacle penetrations within 3 SM to be seen and avoided.

Attachments:
1:500,000 & 1:100,000 Maps
IAPA Initial Climb Area Printout