

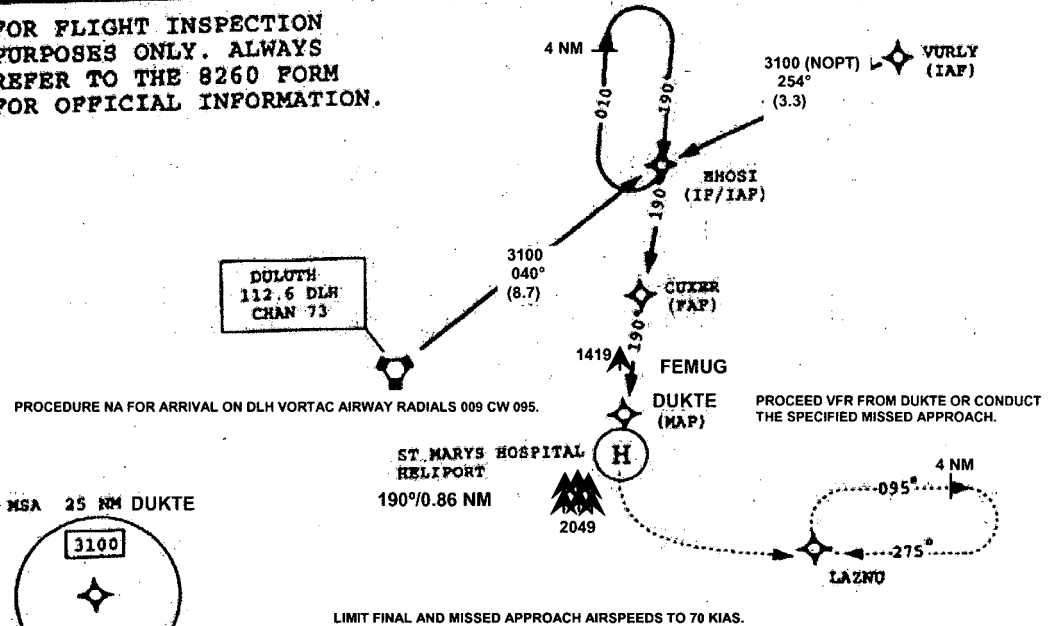
Flight Procedure Tracking Form		Action: FLIGHT CHECK	Task Type: IAP	Date Open: 01/28/2014	Task #: 2014012831853401001	Request #: 20140128318534
Procedure: COPTER RNAV (GPS) 193 AMDT 2			Airport ID: KMN33	Airport: ST MARY'S HOSPITAL	Reimbursable #: YES	
City: DULUTH	ST: MN	GPS #:	Estimated Chart Date: 06/22/2017		FICO #: 1153789	
Fac ID: NOCHANGE		Fac. Type:		Specialist: JERRY MCCULLOUGH		
Procedure Review						
	Rec'd	Rel'd	Full Name	Comments		
Lead:	01/29/2014	05/17/2017	ALLAN WILL	QUALITY		
QA:	03/15/2017	08/25/2015	TERRY HENSON	4	5/17CTabaka	
Liaison:	08/25/2015	08/26/2015	MARY MCDONALD	CHECKED		
Procedure Comments:			ENROUTE	Remark Type: INFORMATION		
<p>CONTACT: JACOB POWERS 405.954.8702</p> <p>ASSIGNED MAGVAR: KMN33: OLD 2E - NEW 1W</p> <p>5/17/17 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/28/17. UPDATED DATE OF REVISION FROM 10/15/15 TO 6/22/17 FOR ALL 8260-2S.</p>						

FIPC BASIC FORM							
PROCEDURE: COPTER RNAV (GPS) 193 2			AIRPORT NAME: ST MARY'S HOSPITAL		AIRPORT ID: KMN33	SPECIAL CONTROL NO: BG-08-164-15	
FAC ID: 30519.02		CITY: DULUTH			ST: MN	ORIG CHART DATE: 11/12/2015	
DFL TYPE: PROC/H	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.5	REIMB. NUMBER:		PTS TASK ID:		
PREFLIGHT NOTES							
REVIEWER:					DATE:		
COMMENTS:					CHECK ONE:		
					<input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT		
							YES
					CPV COMPLETE?		
PROCEDURE RESULTS							
INSPECTION DATE: 11/03/2015		CREW #: VN229	N #: HELO	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: robert cooper @ 11/05/2015 10:17			PRINTED NAME: COOPER, ROBERT BERNARD				NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FLIGHT INSPECTOR REMARKS: 30519.02 PROC/H, COPTER RNAV (GPS) 193 Duluth MN KMN33 St, Mary's Hospital BG-08-164-15, SAT. Please add confirmed flight inspected Frequencies DLH Tower: 118.3, DLH Approach Control: 125.45, DLH ATIS 124.1 and St. Mary's Helipad UNICOM: 123.05.							
IN-FLIGHT OBSTACLE REPORT							
OBSTRUCTION ID #:	COORDINATES OR LOCATION:		GNSS ALTITUDE (MSL):		BAROMETRIC ALTITUDE (MSL):		HEIGHT ABOVE GROUND LEVEL:

AMDT 1
COPTER RNAV (GPS) 190

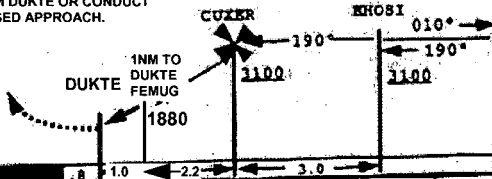
ST MARYS HOSPITAL HELIPORT (KMN33) DULUTH, MINNESOTA

FOR FLIGHT INSPECTION
PURPOSES ONLY. ALWAYS
REFER TO THE 8260 FORM
FOR OFFICIAL INFORMATION.



MISSSED APPROACH
Climbing left turn to 3100
direct LAZNU and hold.

PROCEED VFR FROM DUKTE OR CONDUCT
THE SPECIFIED MISSED APPROACH.



ELEV 860 WAYPOINT DATA:
DLH 4648.130N/09212.172W.
VURLY 4655.366N/09159.008W.
EHOSI 4654.546N/09203.721W.
CUXER 4651.613N/09204.632W.
FEMUG 4649.449N/09205.302W.
LAZNU 4646.741N/09200.706W.
HELIPAD 4647.631N/09205.865W

CATEGORY	COPTER			
H-190	1780 - 1 431			

USE DULUTH INTL ALTIMETER SETTING. HELIPORT BEACON AND
OBSTRUCTION LIGHTS OPERATED BY PRIOR ARRANGMENT OR ON
FREQUENCY 123.05. HELIPORT FLOOD LIGHTS OPERATED BY PRIOR
ARRANGEMENT. SPECIAL AIRCREW QUALIFICATIONS REQUIRED.
DME/DME RNP-0.3 NA.

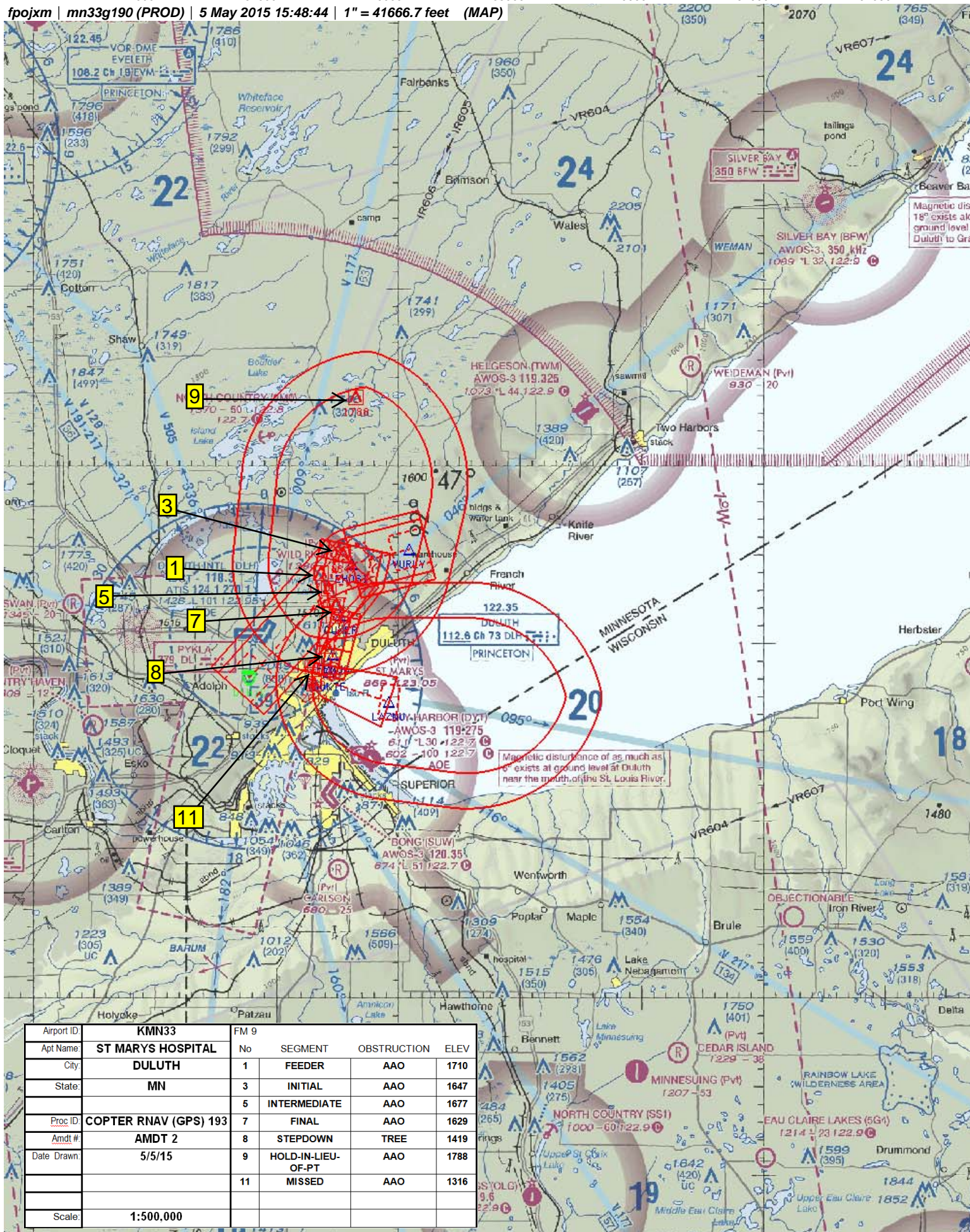


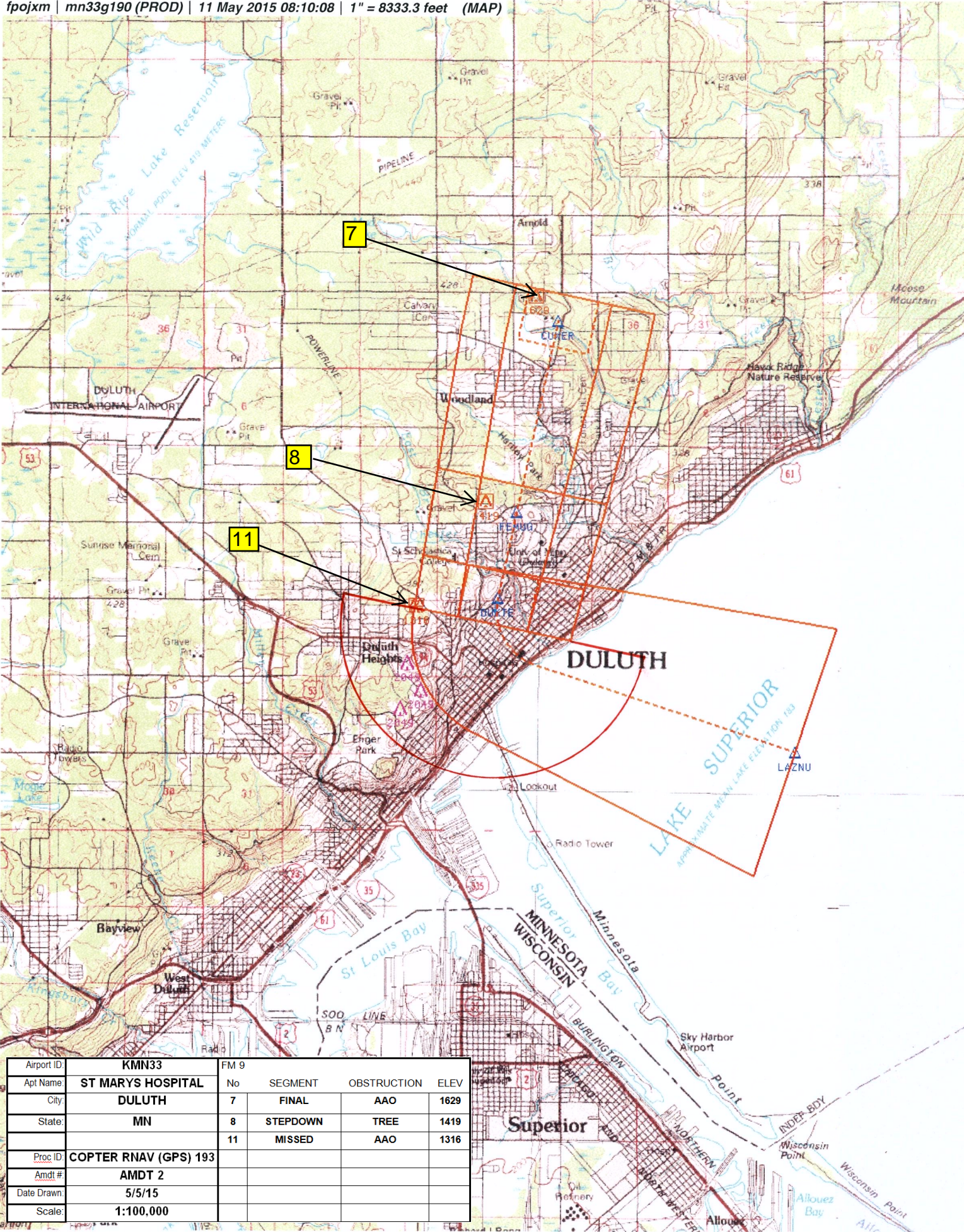
COPTER RNAV (GPS) 190
AMDT 1

DULUTH, MINNESOTA
ST MARYS HOSPITAL HELIPORT (KMN33)

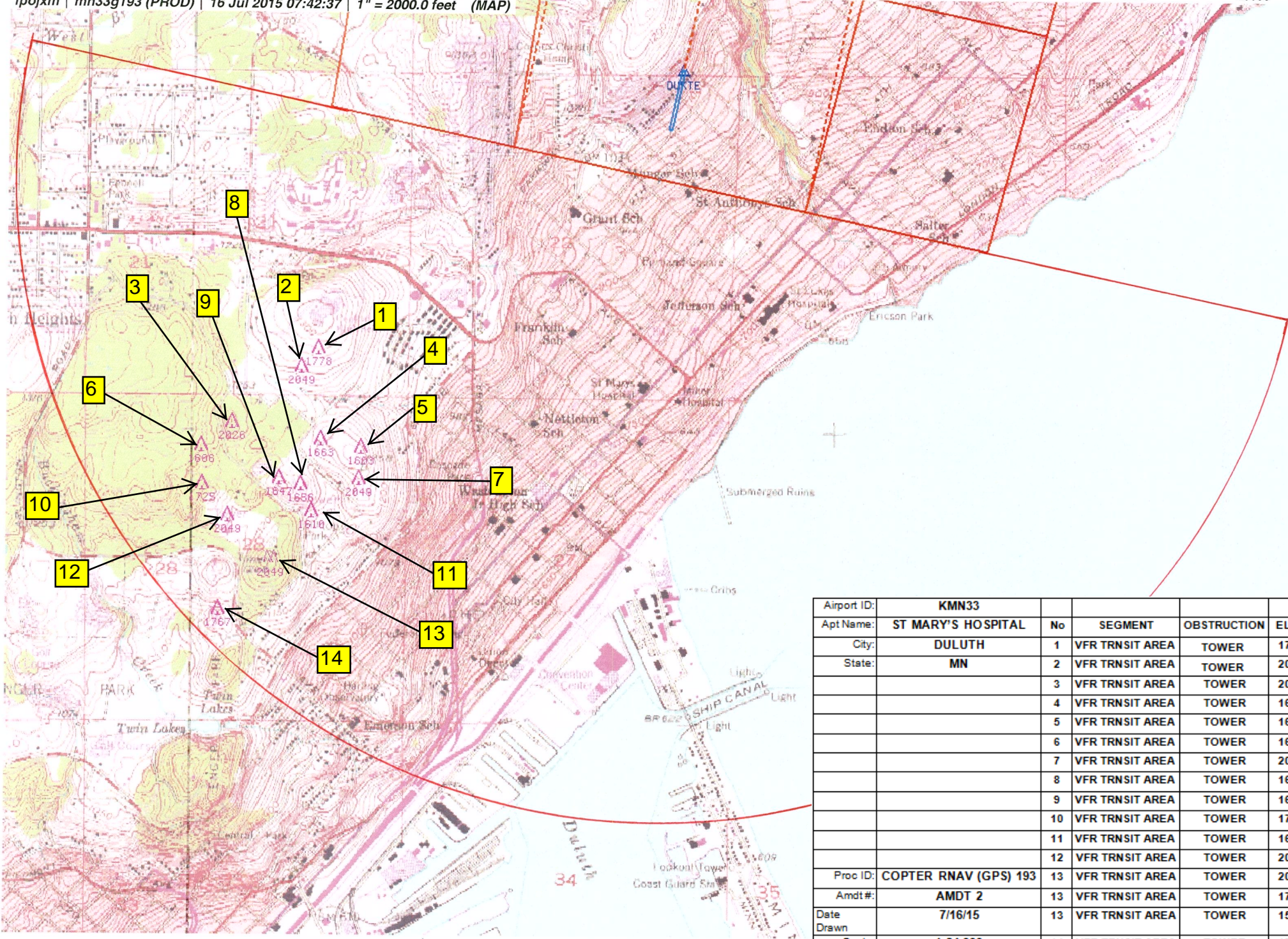
NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000

fpojxm | mn33g190 (PROD) | 5 May 2015 15:48:44 | 1" = 41666.7 feet (MAP)





Airport ID:	KMN33	FM 9			
Apt Name:	ST MARYS HOSPITAL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DULUTH	7	FINAL	AAO	1629
State:	MN	8	STEPDOWN	TREE	1419
		11	MISSED	AAO	1316
Proc ID:	COPTER RNAV (GPS) 193				
Amdt #:	AMDT 2				
Date Drawn:	5/5/15				
Scale:	1:100,000				



Airport ID:	KMN33	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ST MARY'S HOSPITAL	1	VFR TRNSIT AREA	TOWER	1778
City:	DULUTH	2	VFR TRNSIT AREA	TOWER	2049
State:	MN	3	VFR TRNSIT AREA	TOWER	2026
		4	VFR TRNSIT AREA	TOWER	1663
		5	VFR TRNSIT AREA	TOWER	1603
		6	VFR TRNSIT AREA	TOWER	1606
		7	VFR TRNSIT AREA	TOWER	2049
		8	VFR TRNSIT AREA	TOWER	1656
		9	VFR TRNSIT AREA	TOWER	1647
		10	VFR TRNSIT AREA	TOWER	1725
		11	VFR TRNSIT AREA	TOWER	1610
		12	VFR TRNSIT AREA	TOWER	2049
Proc ID:	COPTER RNAV (GPS) 193	13	VFR TRNSIT AREA	TOWER	2049
Amdt#:	AMDT 2	13	VFR TRNSIT AREA	TOWER	1740
Date Drawn	7/16/15	13	VFR TRNSIT AREA	TOWER	1541
Scale:	1:24,000	14	VFR TRNSIT AREA	TOWER	1767

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **DULUTH**

STATE: **MN**

AIRPORT NAME: **ST MARYS HOSPITAL**

ID: **KMN33**

PROCEDURE: **COPTER RNAV (GPS) 193**

AMDT: **2**

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 | <u>THLD</u> | to 1000' point | <u>1.88</u> |
| (Enter THLD, FAF, ARP, FACILITY, as appropriate) | | | |
| 2. Width of | <u>FINAL</u> | segment at 1000' point | <u>1.00</u> |
| (Enter appropriate segment, final, intermediate, etc.) | | | |
| 3. True Course of | <u>FINAL</u> | segment containing 1000' point | <u>192.01</u> |
| 4. High Terrain in | <u>FINAL</u> | segment containing 1000' point | <u>1629</u> |
| 5. Distance from | <u>THLD</u> | to 1500' point | <u>3.21</u> |
| (If 1500' point in PT maneuvering area or holding pattern note in remarks) | | | |
| 6. Width of | <u>FINAL</u> | segment at 1500' point | <u>1.10</u> |
| 7. True Course of | <u>FINAL</u> | segment containing 1500' point | <u>192.01</u> |
| 8. High Terrain in | <u>FINAL</u> | segment containing 1500' point | <u>1629</u> |
| 9. Threshold Coordinates (if straight-in) ... | <u>464828.26N / 0920536.31W</u> | | |
| 10. ARP Coordinates | <u>464737.86N / 0920551.91W</u> | | |
| 11. Runway Approach End and distance furthest from ARP | RWY | <u> </u> | |
| | Distance | <u> </u> | NM |
| 12. FAF Coordinates | <u>465136.78N / 0920437.89W</u> | | |

REMARKS: Approach/Drawing attached.

THIS IS A HELICOPTER POINT IN SPACE PROCEDURE "THRESHOLD COORDINATES" ARE THE COORDINATES OF THE WP DUKTE (MAP)

ARP COORDINATES ARE THE COORDINATES OF THE HELIPORT