

OBSTRUCTION DATA SHEET

ODS 5297
BAUDETTE INTERNATIONAL AIRPORT
BAUDETTE, MINNESOTA

DIGITIZED FROM

OC 5297
SURVEYED SEPTEMBER 1993
1ST EDITION

HORIZONTAL DATUM NAD 83
VERTICAL DATUM NGVD 29



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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA No. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS and the OC depict a representation of objects that existed at the time of the OC field survey.

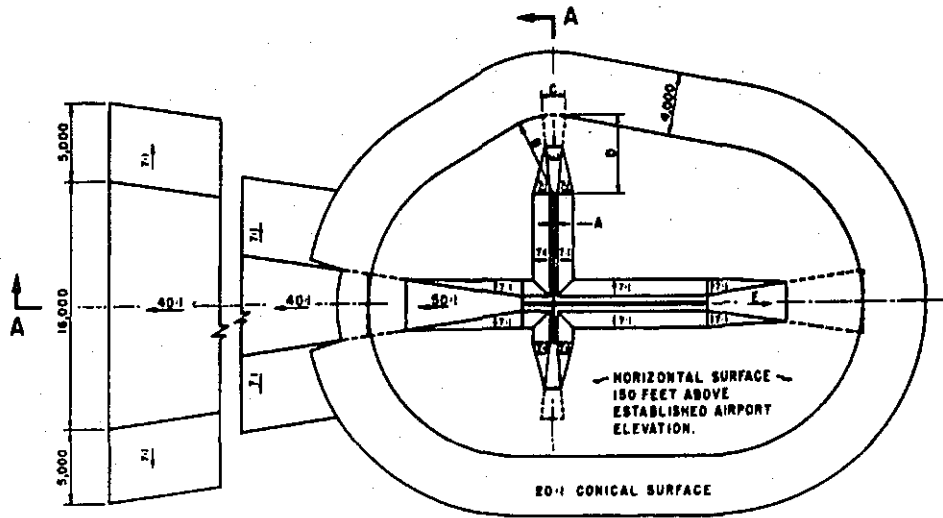
ODS information is arranged as follows:

1. Objects located in an FAR-77 approach or primary and listed with the associated runway (reference runway).
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

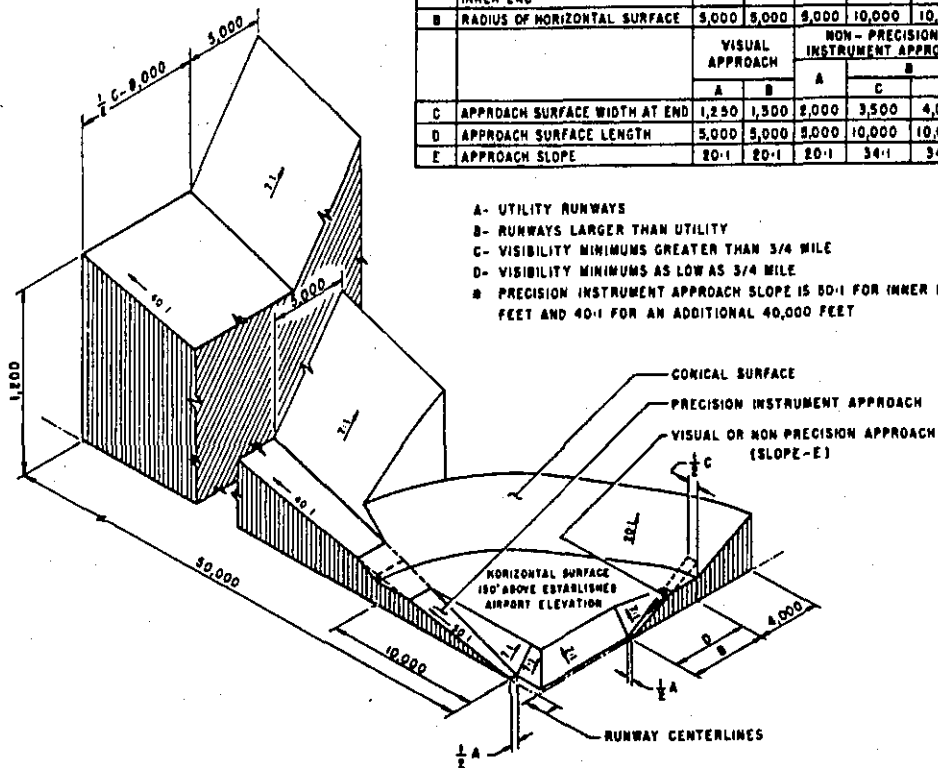
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

A(V) Utility runway - visual approach only
A(NP) Utility runway - nonprecision instrument approach
B(V) Nonutility runway - visual approach only
C Nonutility runway - nonprecision instrument
approach with visibility minimums greater than
3/4 mile
D Nonutility runway- nonprecision instrument approach
with visibility minimums as low as 3/4 mile
PIR Precision instrument runway
SUPLC Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY		PRECISION INSTRUMENT RUNWAY	
		A	B	A	C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		A	B	A	C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*



- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- * PRECISION INSTRUMENT APPROACH SLOPE IS 30:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

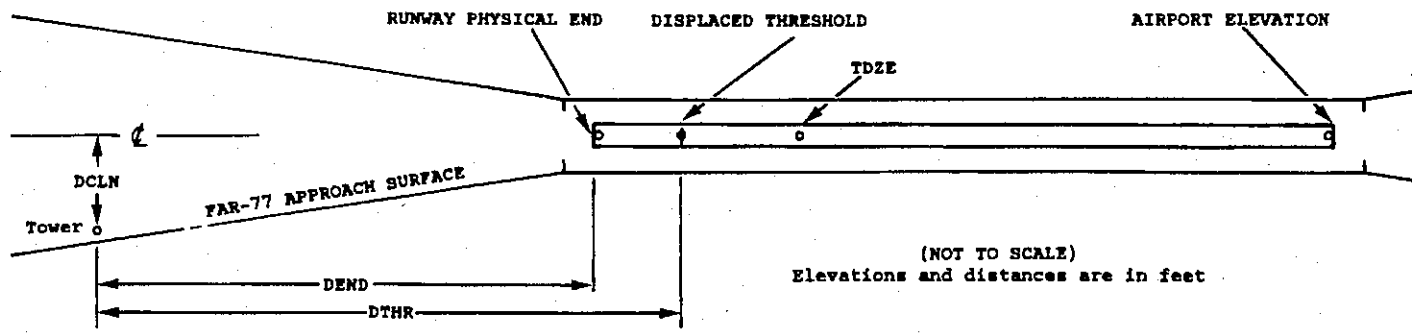
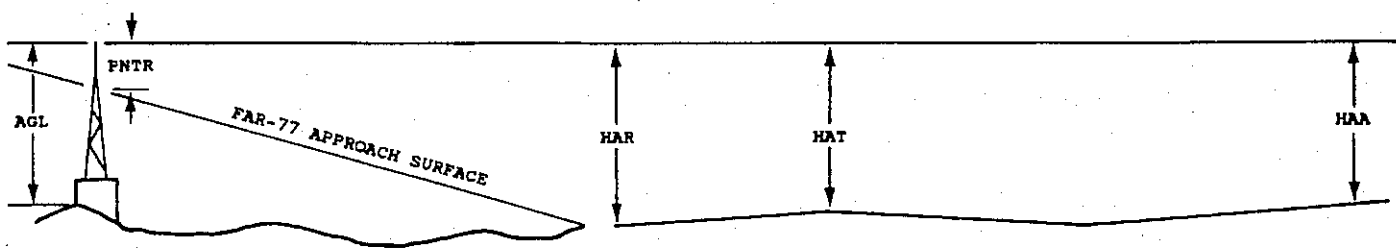
**FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES**

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

1 X	2 X	3 XXXX/XXXX	4 XXXXXX.XXX	4 XXXXXX.XXX	5 XXXXXX	6 XXXX/XXXX	7 XXXXXX.XXX	7 XXXXXX.XXX	8 A	9 ELEV	10 AGL	11 HAR	11 HAT	11 HAA	12 DEND	12 DTHR	12 DCLN	13 PNTR
XXXXXXXXXX			XXXXXX.XXX	XXXXXX.XXX	XX XXXX XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	XXXX	XXXXX	XXXXX	XXXX	XXXX	XXXX
XXXXXXXXXX			XXXXXX.XXX	XXXXXX.XXX	XX XXXX XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	XXXX	XXXXX	XXXXX	XXXX	XXXX	XXXX



EXPLANATION OF FOOTNOTES

- 1 Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary areas of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- 2 For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed).
- 3 Elevation at approach end of reference runway/touchdown zone elevation
- 4 Latitude and longitude at approach end of reference runway
- 5 Geodetic azimuth of reference runway reckoned from north
- 6 Elevation at reference runway displaced threshold/touchdown zone elevation
- 7 Latitude and longitude at reference runway displaced threshold
- 8 Accuracy codes: Horizontal (Ft.) Vertical (Ft.)
 1 = 20 A = 2
 2 = 40 B = 5
 C = 20
- 9 Elevation above mean sea level (MSL) at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- 10 Height above ground level (AGL). AGL's are provided only for manmade objects appearing on the OC and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.
- 11 HAA - Height above airport
HAR - Height above approach end of reference runway
HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway
DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displaced threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft
- A negative value for DEND or DTHR indicates that object is in primary on roll-out side of zero distance point.
- 13 PNTR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

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AIRPORT ELEVATION 1084

12 C 1084/1084 484356.277 -943719.156 1204906.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	484402.96	-943747.00	1A	1132		48	48	48	1950		375R	-3
TREE	484409.18	-943745.52	1A	1134		50	50	50	2188		218L	-8

30 C 1082/1084 484328.477 -943608.735 3004959.

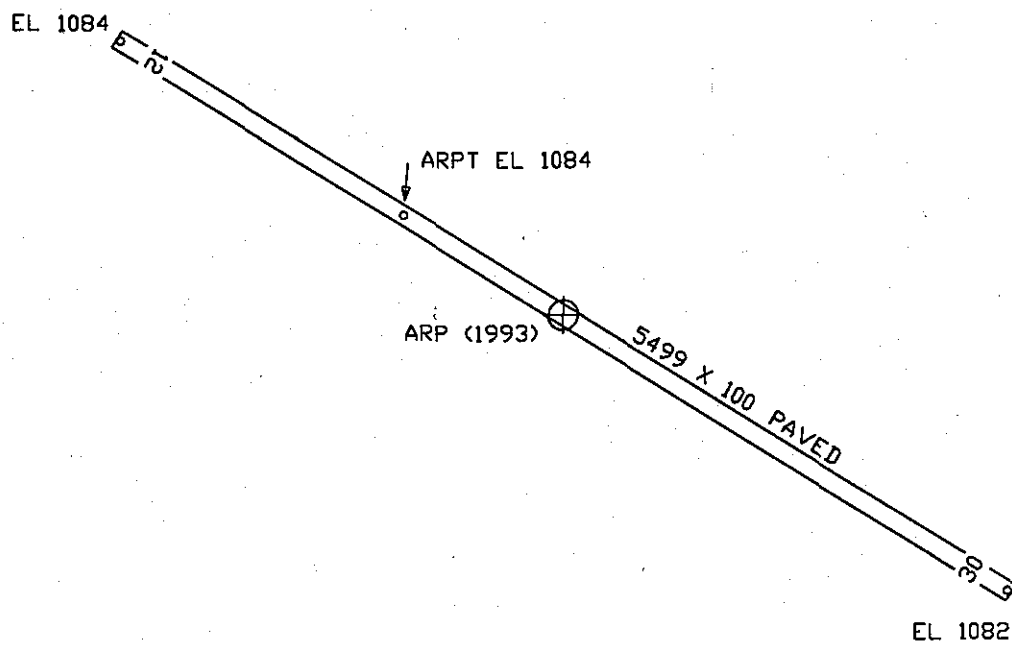
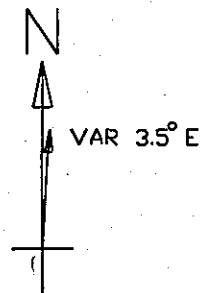
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD(N)	484323.70	-943605.01	1A	1093		11	9	9	462		288L	3
TREE	484324.70	-943602.82	1A	1095		13	11	11	537		126L	3
TREE	484326.67	-943600.07	1A	1100		18	16	16	592		141R	6
TREE	484324.94	-943601.36	1A	1097		15	13	13	608		54L	3
TREE	484324.19	-943559.62	1A	1099		17	15	15	747		60L	1
BRDG	484310.70	-943529.09	1A	1144		62	60	60	3206		185L	-27

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AIRPORT ELEVATION 1084

ARP 484342.379 -943643.943

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
TREE	484343.30	-943635.24	1A	1101		17	7725	591
TREE	484349.30	-943649.81	1A	1105		21	32712	804
ROD ON OL AMOM	484333.89	-943643.72	1A	1117		33	17531	861
TREE	484346.19	-943702.73	1A	1102		18	28334	1317
TREE	484352.15	-943658.51	1A	1105		21	31153	1391
TREE	484338.61	-943622.49	1A	1100		16	10122	1488
TREE	484350.49	-943715.20	1A	1111		27	28755	2251
DME	484322.33	-943626.16	1A	1118		34	14605	2356
OL ON WSK	484323.85	-943616.16	1A	1105		21	13143	2645
TREE	484333.15	-943606.23	1A	1104		20	10647	2696
TREE	484359.33	-943716.69	1A	1096		12	30432	2788
CLOM	484325.17	-943610.65	1A	1085		1	12429	2833
TREE	484322.79	-943604.64	1A	1091		7	12329	3299
ROD ON OL APBN	484316.20	-943611.30	1A	1138		54	13658	3440
TREE	484409.67	-943728.59	1A	1143		59	30914	4076
TREE	484402.09	-943749.32	1A	1143		59	29100	4817
ANT ON OL TANK	484246.17	-943604.84	1A	1236		152	15146	6271
ROD ON OL TANK	484257.16	-943525.22	1A	1204		120	12727	6991
ANT ON OL TWR	484325.52	-943359.23	1A	1351	276	267	9516	11176



TOUCHDOWN ZONE RUNWAY ELEVATION	
12	1084
30	1084

BAUDETTE INTERNATIONAL AIRPORT
BAUDETTE, MINNESOTA
(NOT TO SCALE)
(ELEVATIONS AND DISTANCES IN FEET)