

OBSTRUCTION DATA SHEET

**ODS 992
HANCOCK COUNTY - BAR HARBOR AIRPORT
BAR HARBOR, MAINE**

DIGITIZED FROM

**OC 992
SURVEYED JULY 1991
5TH EDITION**



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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 Nr. 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 OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

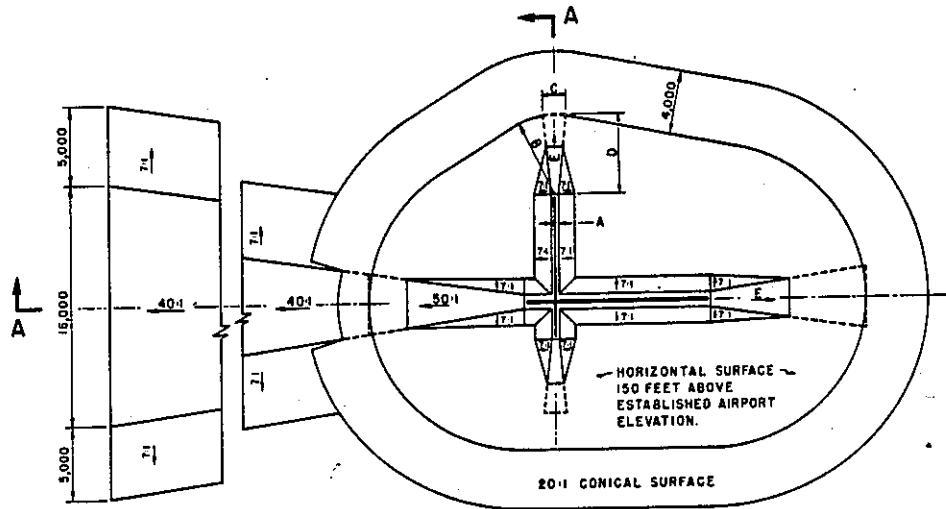
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)
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 (see footnote 2 on page 3):

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)

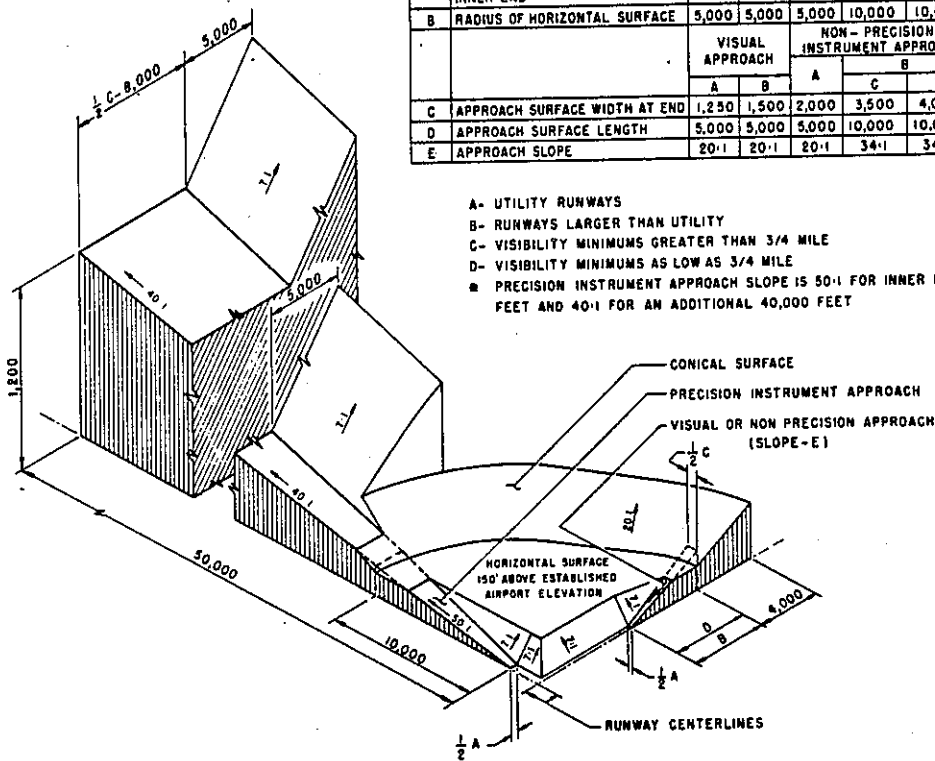
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
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
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
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 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

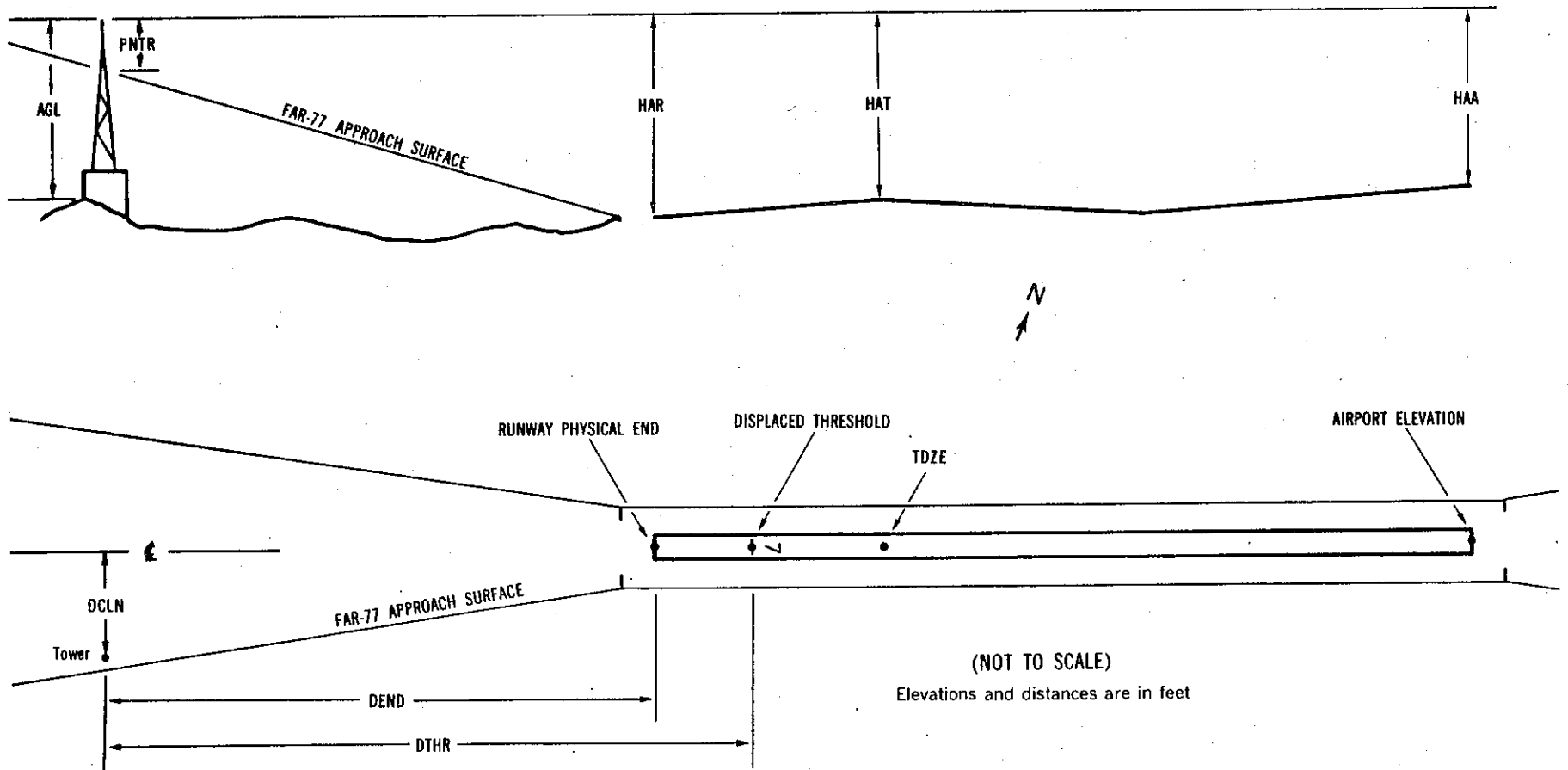
ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x^1 x^2 $xxxx/xxxx^3$ $xxxxxx.xxx^4$ $xxxxxxx.xxx^4$ $xxxxxxx^5$ $xxxx/xxxx^6$ $xxxxxx.xxx^7$ $xxxxxxx.xxx^7$

OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	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 area 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 Reference runway approach physical end elevation/touchdown zone elevation
- 4 Latitude and longitude of reference runway approach physical end
- 5 Reference runway geodetic azimuth reckoned clockwise from south
- 6 Reference runway displaced threshold elevation/touchdown zone elevation
- 7 Latitude and longitude of reference runway displaced threshold
- 8 Accuracy Code: Horizontal Vertical
 1 = 20 A = 2
 2 = 40 B = 5
 C = 20
- 9 Mean Sea Level (MSL) elevation 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). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ± 10 feet.
- 11 HAA - Height above airport
 HAR - Height above reference runway approach physical end
 HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
 DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway 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 object is in primary area on roll-out side of zero distance point.
- 13 PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0992

AIRPORT ELEVATION 84

4 C 67/84 442637.604N 06822 4.214W 2043532

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	442724.42	0682130.80	1A	76		9	-8	-8	-5320		231R	7
TREE	442718.11	0682132.39	1A	83		16	-1	-1	-4691		392R	12
ANT ON OL GLIDE SLOPE	442717.85	0682143.64	1A	124		57	40	40	-4327		339L	51
GROUND	442714.28	0682148.37	1A	83		16	-1	-1	-3856		501L	6
GROUND	442708.03	0682150.05	1A	87		20	3	3	-3229		348L	6
BUSH	442703.66	0682153.21	1A	94		27	10	10	-2732		372L	10
OL ON LIGHTED WINDSOCK	442659.22	0682145.10	1A	106		39	22	22	-2568		350R	23
GROUND	442700.43	0682155.45	1A	90		23	6	6	-2367		384L	7
BUSH	442644.23	0682205.38	1A	81		14	-3	-3	-574		356L	10
GROUND	442639.46	0682209.87	1A	70		3	-14	-14	0		451L	3
POLE	442635.39	0682213.37	1A	94		27	10	10	481		511L	19
POLE	442631.20	0682203.33	1A	86		19	2	2	562		328R	8
OL ON LOCALIZER	442631.79	0682207.94	1A	75		8	-9	-9	648		1L	-5
OL ON DME	442630.16	0682205.20	1A	81		14	-3	-3	715		249R	-1
POLE	442632.64	0682213.54	1A	96		29	12	12	738		406L	13
TREE	442628.12	0682204.10	1A	101		34	17	17	870		407R	14
TREE	442627.40	0682208.61	1A	101		34	17	17	1072		140R	8
TREE	442628.91	0682218.02	1A	137		70	53	53	1217		545L	40
TREE	442623.60	0682204.73	1A	127		60	43	43	1305		557R	27
TREE	442624.31	0682210.38	1A	107		40	23	23	1410		154R	4
TREE	442621.64	0682211.81	1A	114		47	30	30	1700		171R	3
TREE	442619.71	0682207.58	1A	129		62	45	45	1749		532R	16
TREE	442622.21	0682217.41	1A	122		55	38	38	1816		222L	7

OC0992

AIRPORT ELEVATION 84

22 PIR 69/84 442724.254N 0682134.406W 0243552

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	442639.46	0682209.87	1A	70		1	-14	-14	-5195		451R	3
BUSH	442644.23	0682205.38	1A	81		12	-3	-3	-4621		356R	10
GROUND	442700.43	0682155.45	1A	90		21	6	6	-2829		384R	7
OL ON LIGHTED WINDSOCK	442659.22	0682145.10	1A	106		37	22	22	-2628		350L	23
BUSH	442703.66	0682153.21	1A	94		25	10	10	-2464		372R	10
GROUND	442708.03	0682150.05	1A	87		18	3	3	-1966		348R	6
GROUND	442714.28	0682148.37	1A	83		14	-1	-1	-1340		501R	6
ANT ON OL GLIDE SLOPE	442717.85	0682143.64	1A	124		55	40	40	-868		339R	51
TREE	442718.11	0682132.39	1A	83		14	-1	-1	-504		392L	12
TREE	442724.42	0682130.80	1A	76		7	-8	-8	124		231L	7
TREE	442724.90	0682128.79	1A	72		3	-12	-12	229		343L	2
ROAD (N)	442729.36	0682139.09	1A	79		10	-5	-5	329		524R	7
TREE	442735.87	0682130.92	1A	85		16	1	1	1175		260R	-3
TREE	442734.90	0682120.79	1A	98		29	14	14	1392		449L	5
TREE	442741.00	0682125.30	1A	104		35	20	20	1817		105R	3
TREE	442746.25	0682110.88	1A	129		60	45	45	2736		624L	9
TREE	442803.74	0682052.73	1A	193		124	109	109	4894		1084L	30
TREE	442805.19	0682055.54	1A	180		111	96	96	4943		837L	16
TREE	442900.11	0682038.74	1A	252		183	168	168	10507		371R	-25
TREE	442901.89	0682023.70	1A	299		230	215	215	11124		545L	7
TREE	442902.87	0682015.40	1A	303		234	219	219	11465		1051L	2

17 A(V) 80/ 442709.414N 0682145.771W 3293237 80/80 442703.603N 0682141.001W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	442714.28	0682148.37	1A	83		3	3	-1	521	1203	87L	-13
TREE	442716.11	0682154.03	1A	148		68	68	64	888	1571	173R	34
TREE	442718.48	0682151.89	1A	146		66	66	62	1016	1699	83L	25
TREE	442720.93	0682156.34	1A	162		82	82	78	1394	2077	70R	22

OC0992

AIRPORT ELEVATION 84

35 A(V) 44/81 442640.790N 0682122.278W 1493254

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
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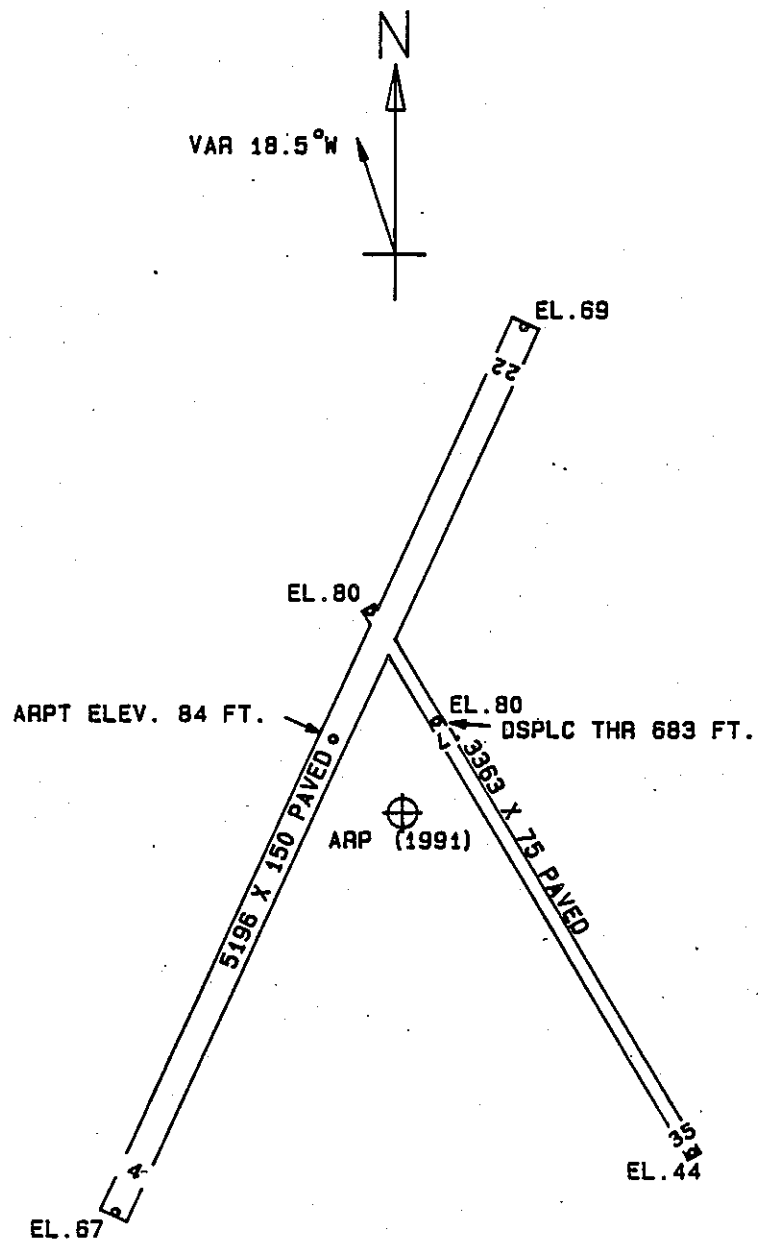
*** NO OBSTRUCTIONS ***

OC0992

AIRPORT ELEVATION 84

ARP 442658.640N 0682143.305W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	442702.64	0682132.59	1A	118		34	80 58	877
OL ON AIRPORT BEACON	442707.08	0682154.81	1A	152		68	334 10	1195
TREE	442655.98	0682126.92	1A	117		33	121 15	1219
OL ON HANGAR	442647.48	0682133.86	1A	87		3	167 16	1322
TREE	442709.83	0682155.89	1A	167		83	339 39	1455
TREE	442710.14	0682130.86	1A	131		47	56 18	1473
TREE	442651.38	0682124.73	1A	105		21	137 6	1535
TREE	442655.21	0682204.95	1A	148		64	276 1	1608
TREE	442714.87	0682155.04	1A	157		73	351 7	1851
TREE	442641.51	0682130.12	1A	87		3	169 38	1981
TREE	442715.09	0682128.37	1A	118		34	51 32	1987
TREE	442650.82	0682208.69	1A	130		46	265 15	2005
TREE	442717.37	0682157.36	1A	156		72	350 15	2153
ROD ON OL POLE	442721.02	0682144.41	1A	98		14	16 28	2268
TREE	442720.52	0682150.00	1A	144		60	6 8	2268
TREE	442636.06	0682152.14	1A	112		28	214 10	2375
TREE	442723.24	0682147.16	1A	137		53	12 6	2507
BUSH	442640.62	0682119.52	1A	47		-37	155 6	2512
TREE	442723.99	0682143.44	1A	119		35	18 17	2567
TREE	442636.97	0682124.68	1A	82		-2	166 53	2577
TREE	442643.38	0682212.81	1A	124		40	252 41	2640
TREE	442632.48	0682154.18	1A	131		47	215 5	2764
TREE	442726.70	0682145.69	1A	136		52	15 1	2846
TREE	442726.70	0682141.04	1A	98		14	21 49	2846
POLE	442637.84	0682212.89	1A	96		12	244 3	3007
POLE	442629.77	0682159.70	1A	90		6	220 38	3156
TREE	442627.91	0682159.10	1A	130		46	218 43	3316
TREE	442734.10	0682142.68	1A	136		52	19 13	3591
TREE	442625.62	0682201.59	1A	132		48	220 8	3598
TREE	442629.88	0682219.83	1A	140		56	240 48	3937
TREE	442811.03	0681934.77	1B	305		221	70 18	11860
TREE	442812.54	0681934.85	1B	312		228	69 43	11950
TREE	442813.69	0681935.08	1B	308		224	69 14	12011



TOUCHDOWN ZONE RUNWAY ELEVATION	
4	84
22	84
17	80
35	81

HANCOCK COUNTY - BAR HARBOR AIRPORT
 BAR HARBOR, MAINE
 (NOT TO SCALE)