

# OBSTRUCTION DATA SHEET

**ODS 35**  
**BAKER MUNICIPAL AIRPORT**  
**BAKER, OREGON**

**DIGITIZED FROM**

**OC 35**  
**SURVEYED APRIL 1990**  
**4TH EDITION**



PREPARED AND DISTRIBUTED BY  
THE NATIONAL OCEAN SERVICE  
U.S. DEPARTMENT OF COMMERCE  
FOR THE FEDERAL AVIATION ADMINISTRATION

## **ATTENTION**

See SPECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Charts - Obstruction Data Sheets," for possible corrections. National Oceanic and Atmospheric Administration (NOAA) publications are available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990

## 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:

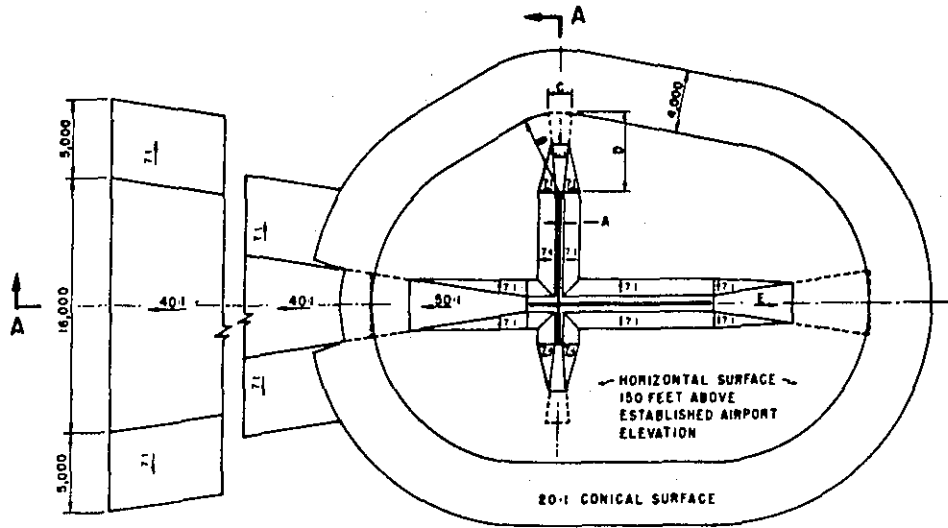
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the 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)

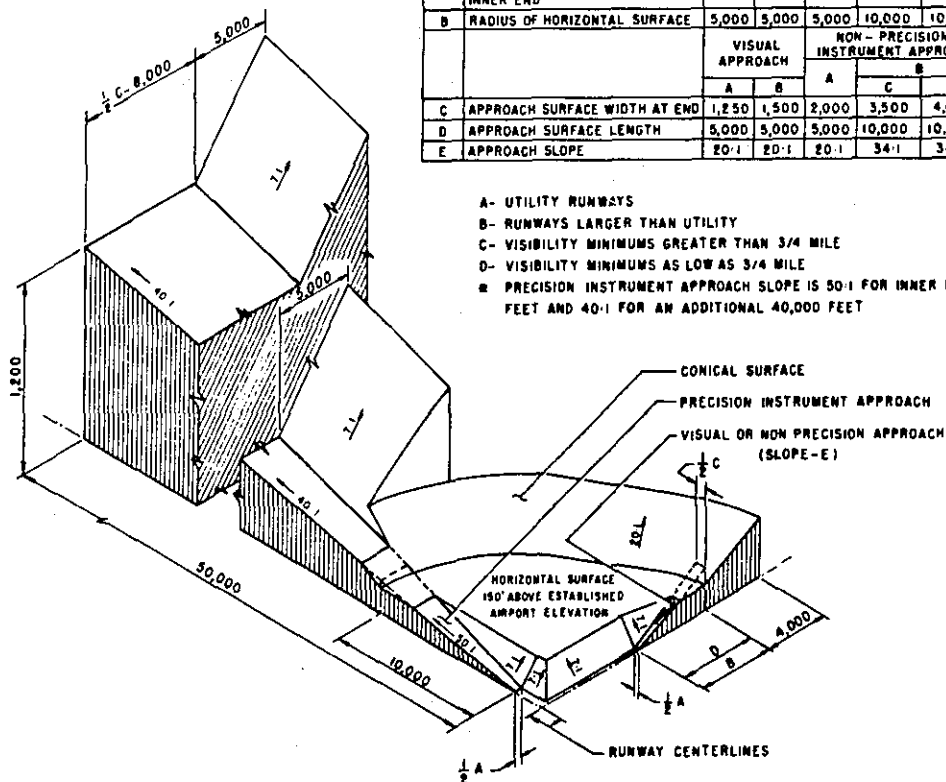
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	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
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
				A			
		A	B	C	D		
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

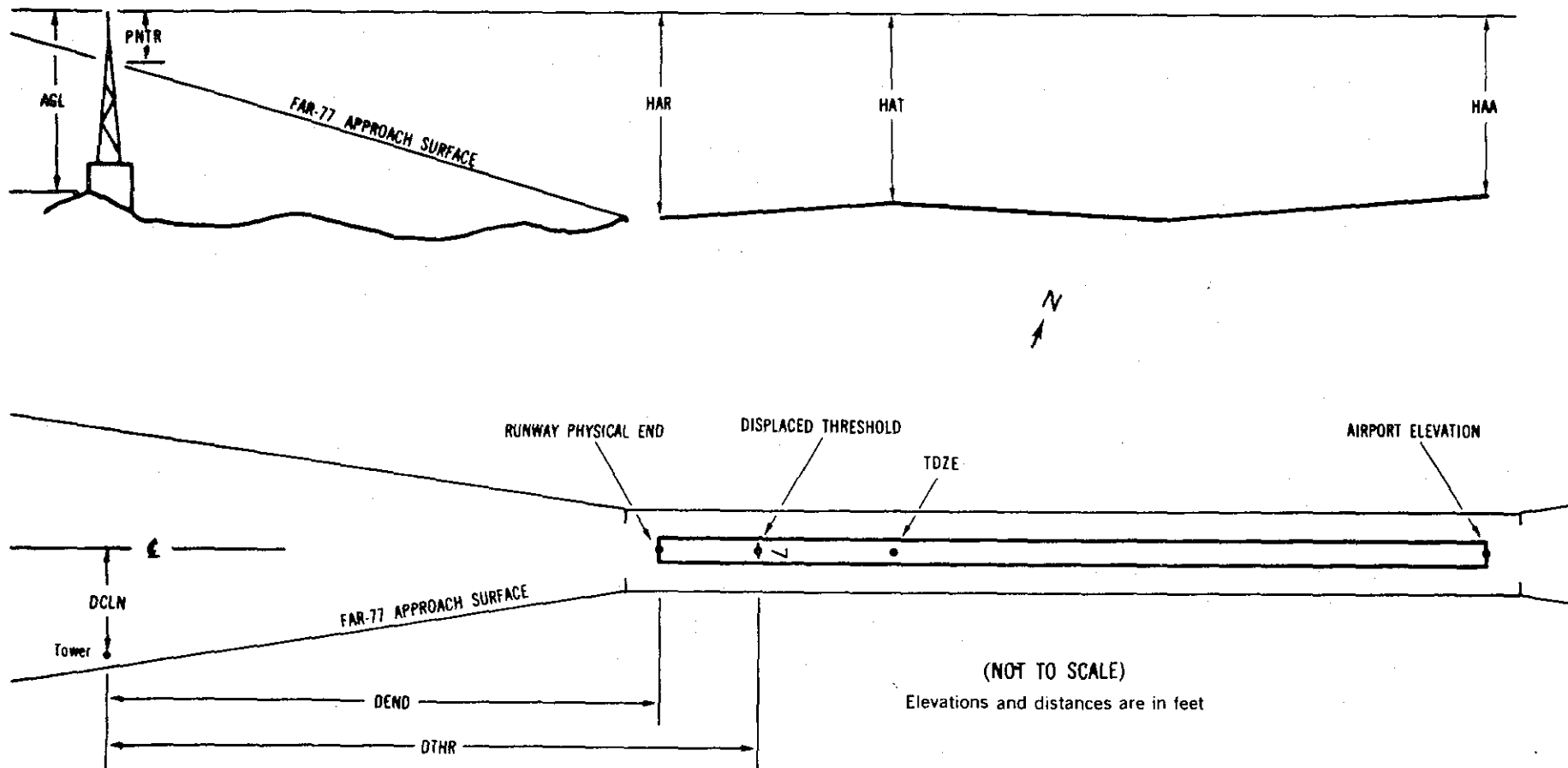
# ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X <sup>1</sup>	X <sup>2</sup>	XXXX/XXXX <sup>3</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXXXX.XXX <sup>4</sup>	XXXXXXXX <sup>5</sup>	XXXX/XXXX <sup>6</sup>	XXXXXX.XXX <sup>7</sup>	XXXXXXXX.XXX <sup>7</sup>				
OBJECT	LAT	LONG	A <sup>8</sup>	ELEV <sup>9</sup>	AGL <sup>10</sup>	HAR <sup>11</sup>	HAT <sup>11</sup>	HAA <sup>11</sup>	DEND <sup>12</sup>	DTHR <sup>12</sup>	DCLN <sup>12</sup>	PNTR <sup>13</sup>
XXXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

\*\*\*\*\*



## EXPLANATION OF FOOTNOTES

- <sup>1</sup> 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.
- <sup>2</sup> For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)
- <sup>3</sup> Reference runway approach physical end elevation/touchdown zone elevation
- <sup>4</sup> Latitude and longitude of reference runway approach physical end
- <sup>5</sup> Reference runway geodetic azimuth reckoned clockwise from south
- <sup>6</sup> Reference runway displaced threshold elevation/touchdown zone elevation
- <sup>7</sup> Latitude and longitude of reference runway displaced threshold
- <sup>8</sup> Accuracy Code:            Horizontal    Vertical
- |        |        |
|--------|--------|
| 1 = 20 | A = 2  |
| 2 = 40 | B = 5  |
|        | C = 20 |
- <sup>9</sup> 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.
- <sup>10</sup> 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  $\pm 10$  feet.
- <sup>11</sup> HAA - Height above airport  
 HAR - Height above reference runway approach physical end  
 HAT - Height above reference runway touchdown zone elevation
- <sup>12</sup> 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.
- <sup>13</sup> PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0035

AIRPORT ELEVATION 3369

8 SUPLC 3366/3366 445013.570N 1174849.501W 2764744

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	445008.69	1174752.63	1A	3380		14	14	11	-4128		5R	15
OL WINDSOCK	445009.58	1174832.73	1A	3393		27	27	24	-1248		258R	28
BUSH	445011.34	1174850.64	1A	3381		15	15	12	55		234R	15
BUSH	445013.10	1174850.67	1A	3377		11	11	8	78		57R	11
BUSH	445015.12	1174850.70	1A	3384		18	18	15	105		145L	18
ROAD (N)	445011.28	1174853.46	1A	3387		21	21	18	256		264R	19
ROAD (N)	445013.82	1174853.52	1A	3387		21	21	18	290		9R	18
OL POLE	445013.46	1174906.21	1A	3399		33	33	30	1195		153R	4
POLE	445017.79	1174906.11	1A	3403		37	37	34	1239		283L	6
TREE	445020.99	1174917.14	1A	3424		58	58	55	2067		510L	3
TREE	445017.49	1174923.50	1A	3441		75	75	72	2480		104L	8

26 SUPLC 3365/3366 445008.894N 1174754.402W 0964823

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	445015.12	1174850.70	1A	3384		19	18	15	-4103		145R	18
BUSH	445013.10	1174850.67	1A	3377		12	11	8	-4077		57L	11
BUSH	445011.34	1174850.64	1A	3381		16	15	12	-4054		234L	15
OL WINDSOCK	445009.58	1174832.73	1A	3393		28	27	24	-2750		258L	28
ROAD (N)	445008.69	1174752.63	1A	3380		15	14	11	129		5L	15
POLE	445006.31	1174725.24	1A	3399		34	33	30	2118		10L	-22

OC0035

AIRPORT ELEVATION 3369

12 C 3362/3366 445032.564N 1174844.394W 3213216

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	444958.33	1174809.92	1A	3370		8	4	1	-4260		211R	2
FENCE	445006.25	1174818.41	1A	3369		7	3	0	-3251		191R	2
ROAD (N)	445034.55	1174852.02	1A	3377		15	11	8	499		305R	6
ROAD (I)	445035.73	1174853.73	1A	3383		21	17	14	669		327R	7
POLE	445046.38	1174906.18	1A	3397		35	31	28	2072		359R	-20

30 SUPLC 3369/3369 444953.242N 11748 0.502W 1413247

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	445006.25	1174818.41	1A	3369		0	0	0	-1835		191L	2
FENCE	444958.33	1174809.92	1A	3370		1	1	1	-826		211L	2
ROAD (N)	444950.88	1174752.85	1A	3384		15	15	15	530		283R	5
BUSH	444944.73	1174744.94	1A	3390		21	21	21	1373		342R	-13

16 SUPLC 3362/3365 445041.832N 1174841.961W 0011240

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	444957.26	1174845.67	1A	3401		39	36	32	-4519		172R	32
ROAD (N)	444957.50	1174843.20	1A	3384		22	19	15	-4490		6L	15
GROUND	445004.10	1174840.78	1A	3371		9	6	2	-3819		166L	3
ROAD (N)	445048.75	1174841.78	1A	3371		9	6	2	701		2R	-6



OC0035

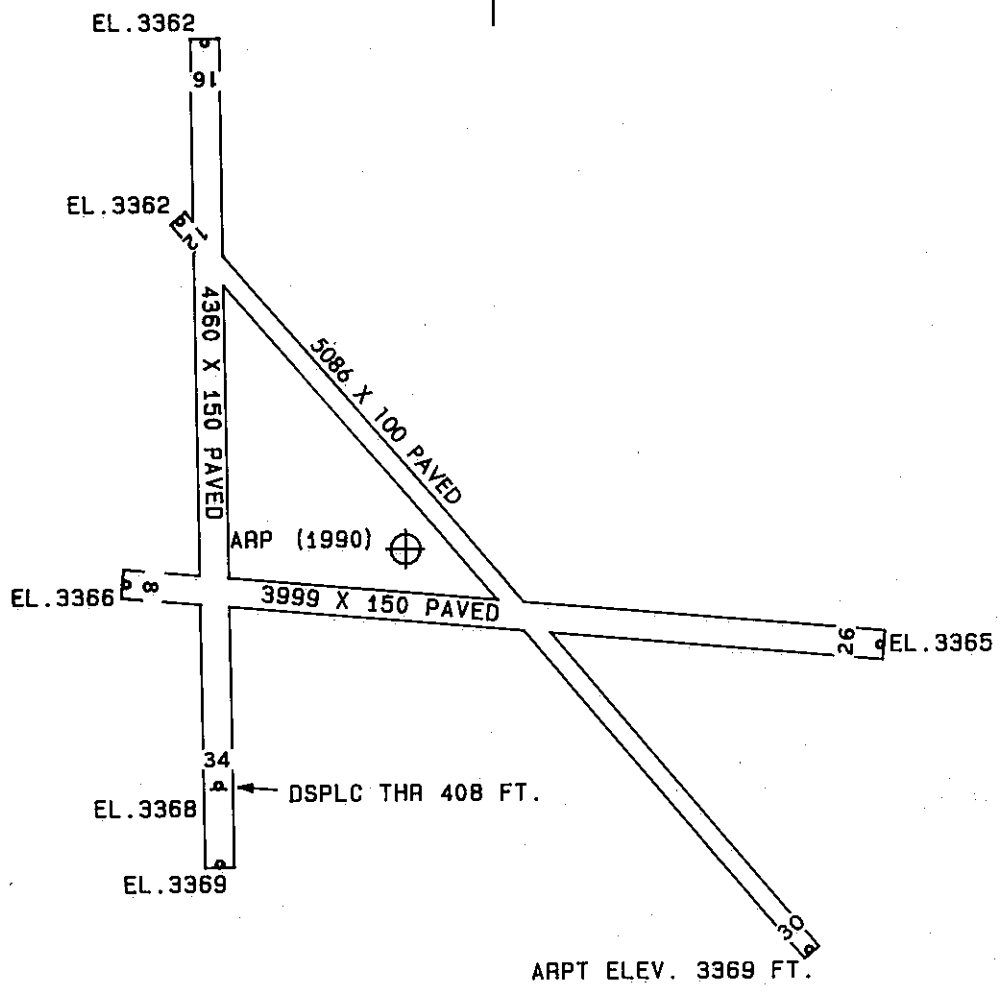
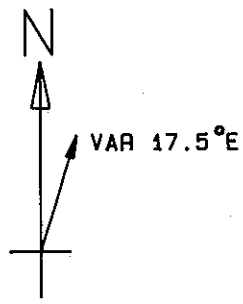
AIRPORT ELEVATION 3369

34 SUPLC 3369/ 444958.800N 1174843.239W 1811239 3368/3368 445002.825N 1174843.119W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	445004.10	1174840.78	1A	3371		2	3	2	-540	0	166R	3
ROAD (N)	444957.50	1174843.20	1A	3384		15	16	15	131	0	6R	15
TREE	444957.26	1174845.67	1A	3401		32	33	32	160	0	172L	32
BUILDING	444944.33	1174848.23	1A	3394		25	26	25	1473	0	329L	-12

ARP 445014.810N 1174828.834W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
OL ANEMOMETER	445016.28	1174833.12	1A	3384		15	278	15	343
ANTENNA ON TOWER	445004.77	1174827.86	1A	3419		50	158	33	1019
VORTAC	445026.63	1174824.52	1B	3397		28	357	4	1237
OL POLE	445023.30	1174847.94	1A	3389		20	284	29	1623
OL POLE	445027.28	1174847.99	1A	3387		18	294	58	1871
TREE	444957.91	1174818.28	1A	3439		70	138	33	1873
SIGN	445033.85	1174853.03	1A	3385		16	300	23	2600
POLE	445009.67	1174906.07	1A	3404		35	241	32	2733
BUSH	444833.91	1174519.46	2C	3837		468	109	18	17051



TOUCHDOWN ZONE RUNWAY ELEVATION	
8	3366
26	3366
12	3366
30	3369
34	3368
16	3365

BAKER MUNICIPAL AIRPORT  
 BAKER, OREGON  
 (NOT TO SCALE)