OBSTRUCTION DATA SHEET

ODS 5203
CABLE AIRPORT
UPLAND, CALIFORNIA

DIGITIZED FROM

OC 5203
SURVEYED DECEMBER 1990
1ST EDITION

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THE NATIONAL OCEAN SERVICE
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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).

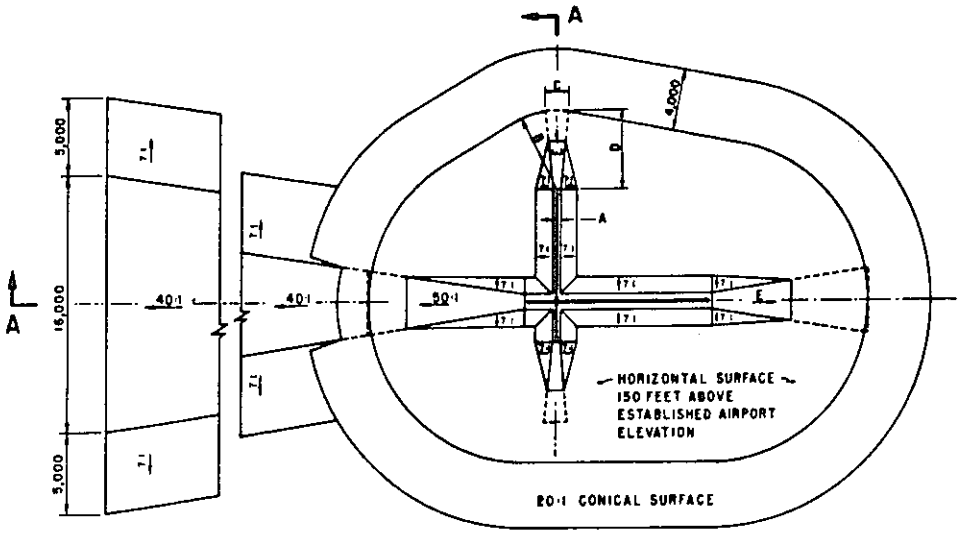
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

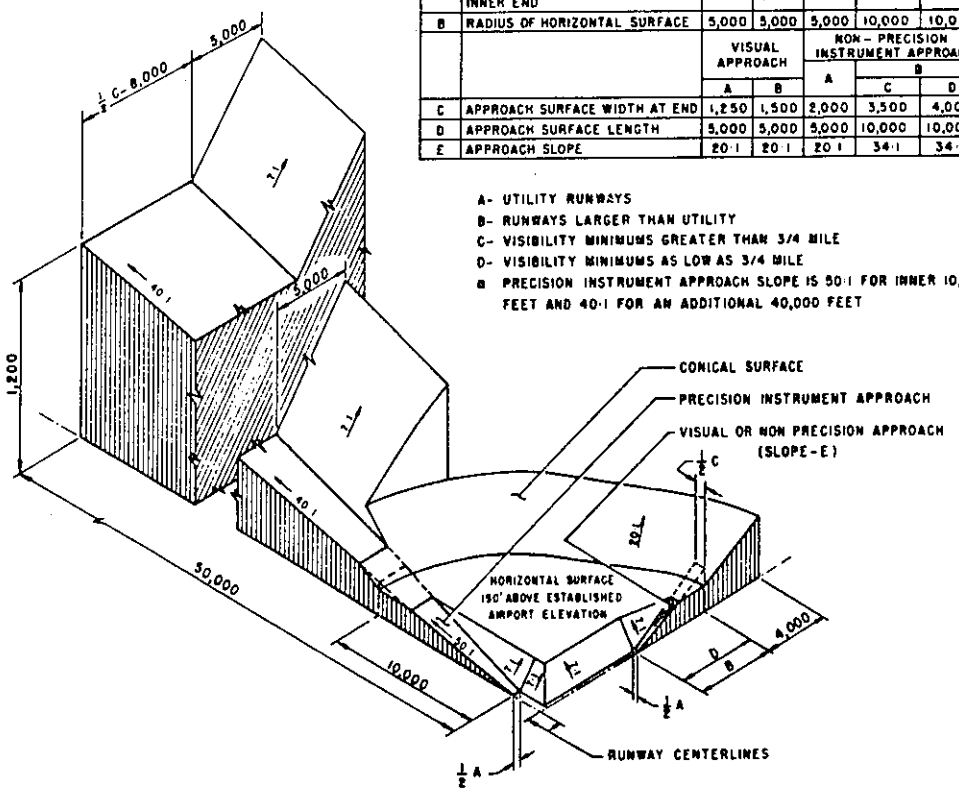
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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 C	B 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	B C	B 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	a
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	a

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
a 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}
XXXXXXXXXXX		XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX		XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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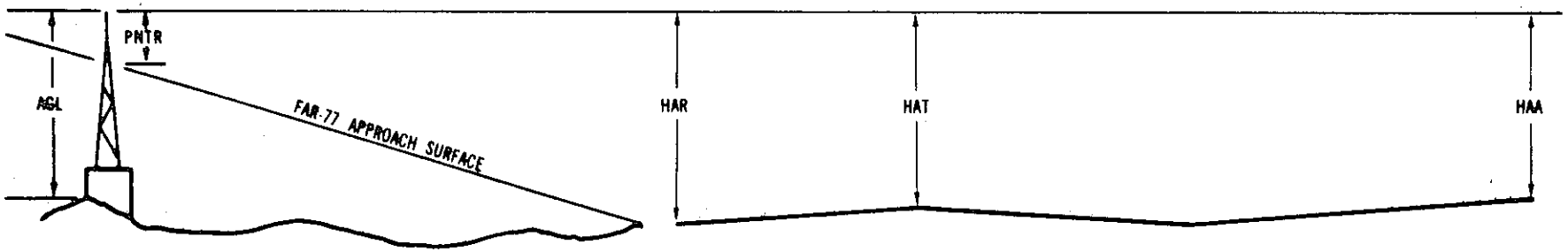
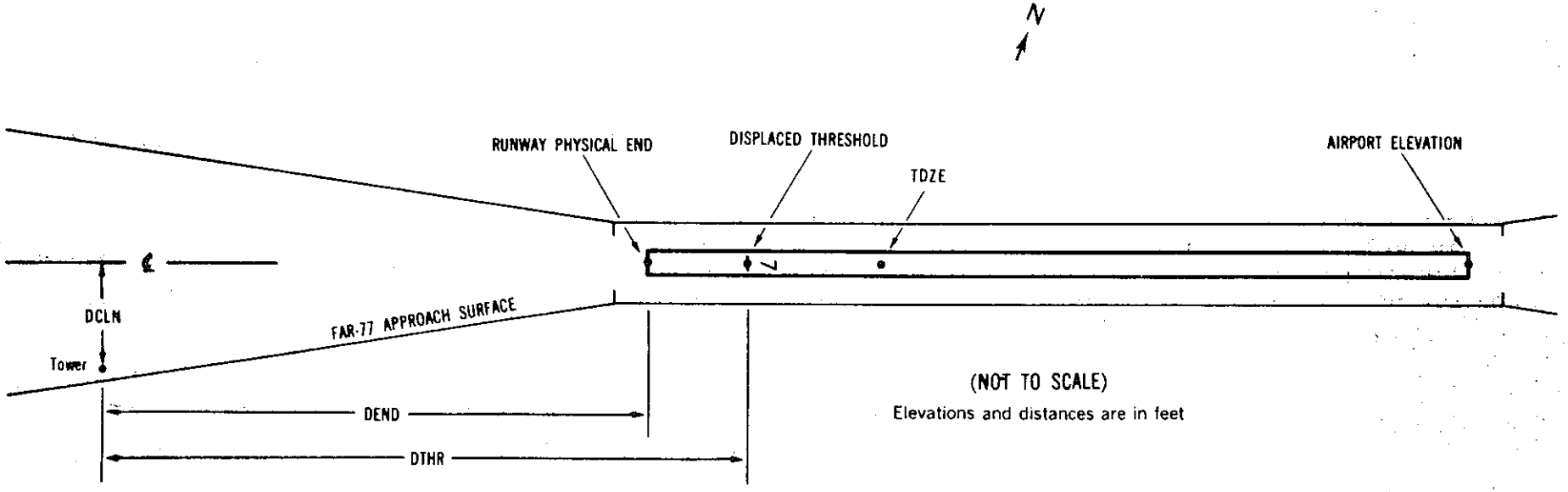




(NOT TO SCALE)

Elevations and distances are in feet

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).

OC5203

AIRPORT ELEVATION 1439

6 C 1390/1426 340634.937N 1174132.864W 2490750

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	340650.65	1174049.30	1A	1481		91	55	42	-3989		179L	42
POLE	340646.90	1174047.75	1A	1470		80	44	31	-3976		222R	31
SIGN	340649.61	1174050.02	1A	1451		61	25	12	-3895		103L	12
SIGN	340647.75	1174049.19	1A	1448		58	22	9	-3893		97R	9
POLE	340650.65	1174051.91	1A	1483		93	57	44	-3784		258L	44
HANGAR	340645.35	1174051.82	1A	1445		55	19	6	-3600		246R	10
WINDSOCK ON HANGAR	340648.12	1174059.44	1A	1458		68	32	19	-3101		244L	31
SIGN	340643.58	1174058.27	1A	1438		48	12	-1	-3029		219R	11
OL ON WINDSOCK ON BLDG	340641.21	1174104.43	1A	1443		53	17	4	-2460		259R	22
HANGAR	340643.31	1174115.26	1A	1432		42	6	-7	-1684		263L	22
HANGAR	340638.32	1174115.18	1A	1427		37	1	-12	-1511		210R	20
WINDSOCK	340640.03	1174121.84	1A	1422		32	-4	-17	-1050		151L	23
BUSH	340636.35	1174121.64	1A	1407		17	-19	-32	-933		203R	10
BUSH	340635.70	1174125.48	1A	1402		12	-24	-37	-608		149R	8
TREE	340638.64	1174129.26	1A	1427		37	1	-12	-416		242L	35
BUSH	340634.42	1174129.95	1A	1397		7	-29	-42	-210		136R	6
SIGN	340633.90	1174132.94	1A	1396		6	-30	-43	43		95R	6
TREE	340635.26	1174141.50	1A	1409		19	-17	-30	667		289L	5
POLE	340633.76	1174150.46	1A	1420		30	-6	-19	1425		416L	-6

OC5203

AIRPORT ELEVATION 1439

24 C 1439/1439 340648.252N 1174050.870W 0690814

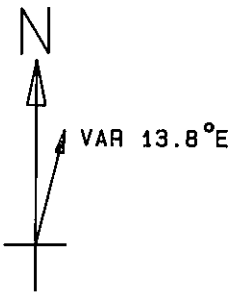
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	340633.90	1174132.94	1A	1396		-43	-43	-43	-3822		95L	6
BUSH	340634.42	1174129.95	1A	1397		-42	-42	-42	-3569		136L	6
TREE	340638.64	1174129.26	1A	1427		-12	-12	-12	-3363		242R	35
BUSH	340635.70	1174125.48	1A	1402		-37	-37	-37	-3171		149L	8
BUSH	340636.35	1174121.64	1A	1407		-32	-32	-32	-2846		203L	10
WINDSOCK	340640.03	1174121.84	1A	1422		-17	-17	-17	-2729		151R	23
HANGAR	340638.32	1174115.18	1A	1427		-12	-12	-12	-2268		210L	20
HANGAR	340643.31	1174115.26	1A	1432		-7	-7	-7	-2095		263R	22
OL ON WINDSOCK ON BLDG	340641.21	1174104.43	1A	1443		4	4	4	-1319		259L	22
SIGN	340643.58	1174058.27	1A	1438		-1	-1	-1	-750		219L	11
WINDSOCK ON HANGAR	340648.12	1174059.44	1A	1458		19	19	19	-678		244R	31
HANGAR	340645.35	1174051.82	1A	1445		6	6	6	-179		246L	10
POLE	340650.65	1174051.91	1A	1483		44	44	44	5		258R	44
SIGN	340647.75	1174049.19	1A	1448		9	9	9	114		97L	9
SIGN	340649.61	1174050.02	1A	1451		12	12	12	116		103R	12
POLE	340646.90	1174047.75	1A	1470		31	31	31	197		222L	31
POLE	340650.65	1174049.30	1A	1481		42	42	42	210		179R	42
TREE	340647.60	1174047.43	1A	1461		22	22	22	247		165L	21
POLE	340651.28	1174047.78	1A	1487		48	48	48	352		193R	44
POLE	340652.38	1174047.78	1A	1491		52	52	52	392		298R	46
OL ON BUILDING	340653.55	1174042.41	1A	1489		50	50	50	856		247R	31
TREE	340649.60	1174031.79	1A	1487		48	48	48	1548		444L	8
TREE	340653.62	1174031.31	1A	1491		52	52	52	1730		79L	7
TREE	340652.02	1174027.84	1A	1506		67	67	67	1945		333L	16
TREE	340655.84	1174029.57	1A	1502		63	63	63	1946		79R	12
TREE	340659.24	1174028.57	1A	1533		94	94	94	2147		370R	37
TREE	340655.94	1174026.14	1A	1504		65	65	65	2220		14L	6
TREE	340658.38	1174018.96	1A	1524		85	85	85	2871		1R	6

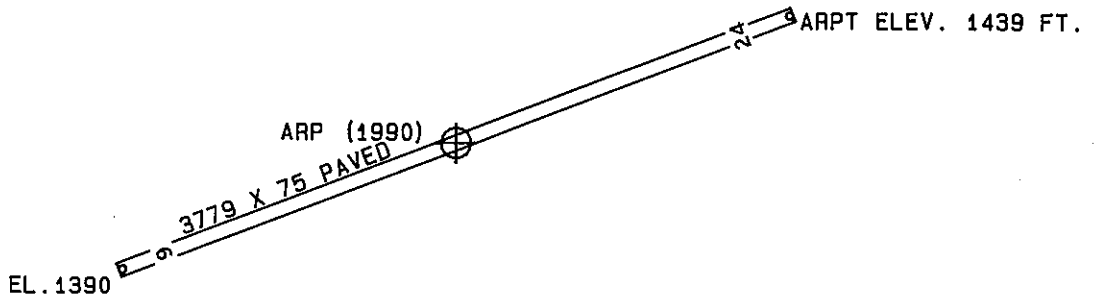
OC5203

AIRPORT ELEVATION 1439

ARP 340641.595N 1174111.868W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
VENT ON HANGAR	340645.19	1174114.49	1A	1451		12	314 57	425
ANEMOMETER ON OL BUILDING	340641.62	1174100.89	1A	1456		17	76 3	923
TREE	340640.49	1174124.40	1A	1430		-9	250 10	1060
AIRPORT BEACON	340639.63	1174058.75	1A	1463		24	86 24	1121
TREE	340639.55	1174127.41	1A	1432		-7	247 12	1323
HANGAR	340649.71	1174056.62	1A	1458		19	43 34	1522
OL ON CONVEYOR	340646.88	1174130.27	1A	1496		57	275 16	1637
POLE	340743.79	1174119.75	1B	1711		272	340 11	6322
POLE	340742.50	1174134.96	1B	1683		244	328 42	6456
POLE	340743.91	1174049.09	1B	1725		286	3 6	6584
TREE	340743.07	1174032.50	1B	1729		290	14 14	7041
TREE	340744.01	1174008.13	1B	1704		265	26 32	8278
FLOODLIGHT ON ELEVATOR	340806.44	1174101.17	1B	1852		413	352 11	8624
POLE	340809.34	1174048.86	1B	1844		405	358 30	9079
POLE	340809.26	1174135.47	1B	1777		338	333 35	9081
POLE	340809.22	1174207.09	1B	1712		273	318 33	10001
POLE	340809.31	1174009.32	1B	1835		396	16 52	10309
TREE	340743.10	1173926.80	1B	1666		227	41 3	10802
TRANSMISSION TOWER	340811.75	1174235.34	2C	1765		326	308 37	11502
POLE	340823.23	1174009.68	2C	1866		427	13 10	11527
POLE	340809.47	1173935.40	2C	1776		337	28 35	12029
TRANSMISSION TOWER	340840.75	1174149.03	2C	1953		514	331 40	12444
BUSH	340844.40	1174222.58	2C	1850		411	320 37	13764
GROUND	340839.13	1174245.63	2C	1916		477	312 39	14258
TREE	340849.17	1173956.76	2C	1990		551	12 17	14359
TRANSMISSION TOWER	340811.62	1174327.65	2C	2224		785	294 46	14599
TRANSMISSION TOWER	340906.12	1174108.73	2C	2148		709	347 14	14612





TOUCHDOWN ZONE RUNWAY	ELEVATION
6	1426
24	1439

CABLE AIRPORT

UPLAND, CALIFORNIA

(NOT TO SCALE)