

OBSTRUCTION DATA SHEET

ODS 128
ELKINS-RANDOLPH COUNTY-JENNINGS RANDOLPH FIELD
ELKINS, WEST VIRGINIA

DIGITIZED FROM

OC 128
SURVEYED DECEMBER 1986
7TH EDITION



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

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:

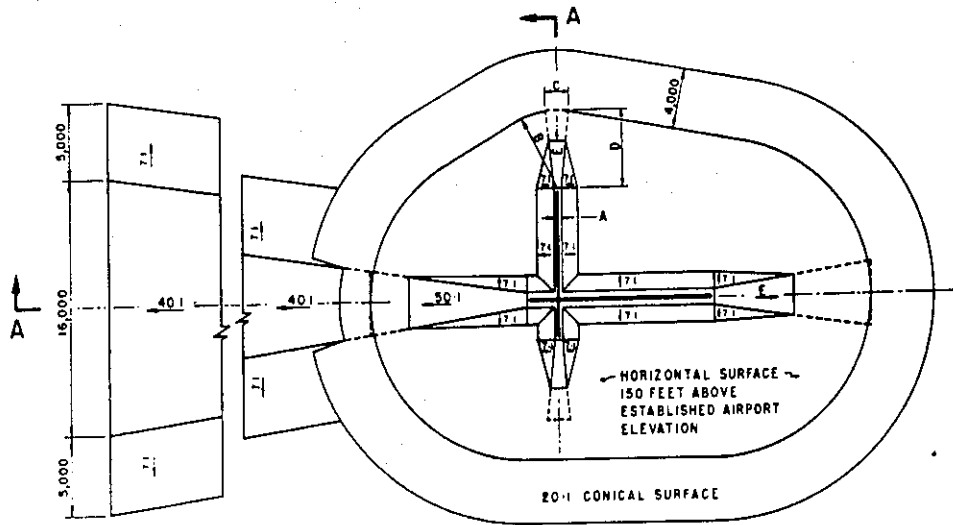
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the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

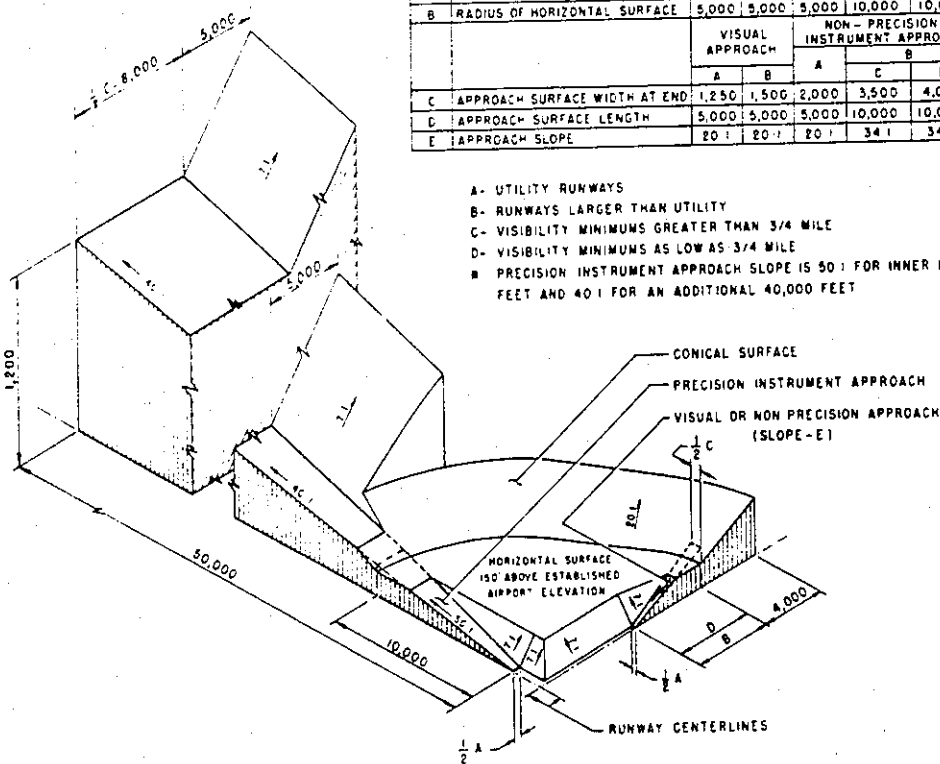
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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

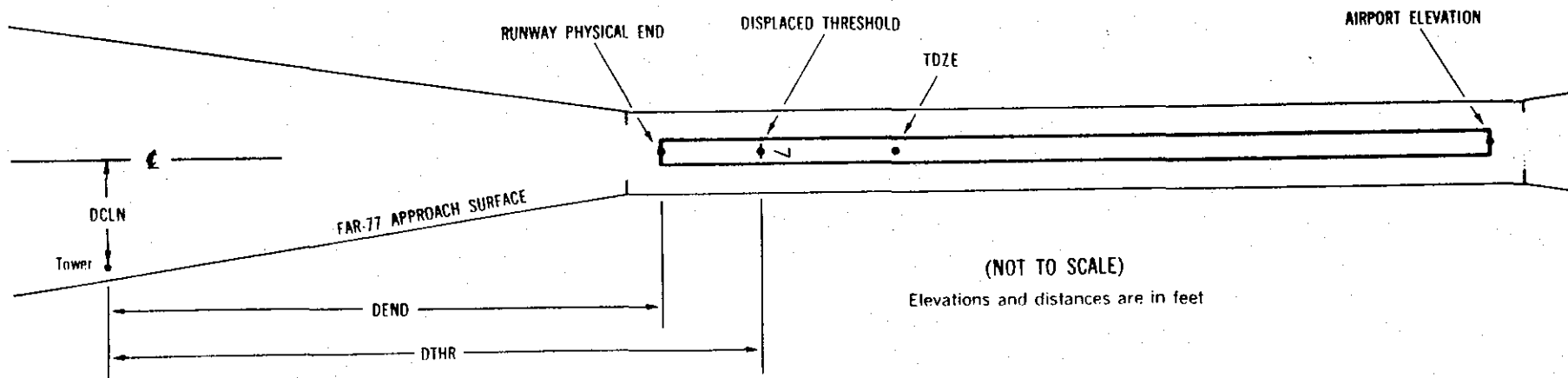
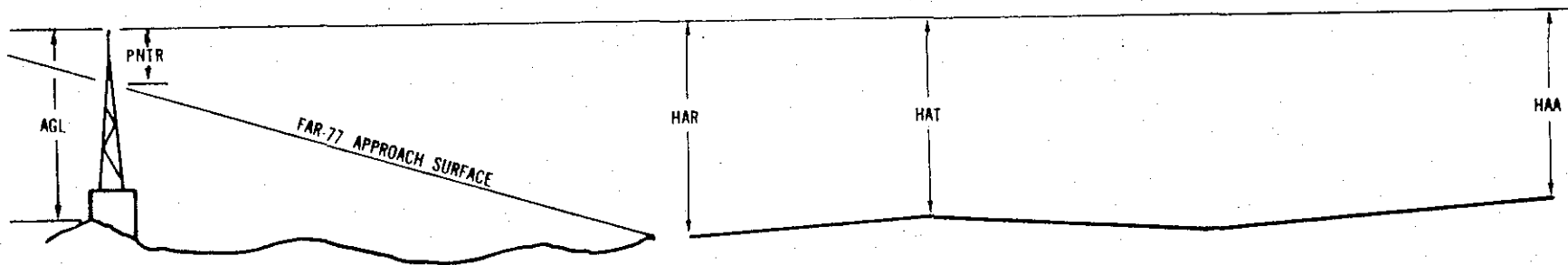
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

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



(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).

AIRPORT ELEVATION 1987

5 SUPLO 1973/1973 385305.598N 0795146.765W 2184708

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	385340.34	0795107.29	1A	1951		-22	-22	-36	-4695		231R	4
TREE	385334.68	0795120.81	1A	1981		8	8	-6	-3579		244L	32
TREE	385325.18	0795122.64	1A	1980		7	7	-7	-2738		245R	30
CEILOMETER	385310.57	0795137.47	1A	1973		0	0	-14	-853		258R	8
TREE	385313.51	0795142.76	1A	2019		46	46	32	-822		254L	54
TREE	385308.41	0795148.17	1A	2027		54	54	40	-152		265L	56
TREE	385303.40	0795145.93	1A	2023		50	50	36	132		191R	50
OL ON POLE	385302.63	0795146.15	1A	2005		32	32	18	203		226R	32
TREE	385305.28	0795150.39	1A	2008		35	35	21	205		203L	35
TREE	385303.48	0795151.57	1A	2016		43	43	29	405		162L	37
TREE	385258.24	0795150.96	1A	2058		85	85	71	788		208R	68
ROD ON OL ANT	385257.81	0795151.74	1A	2059		86	86	72	861		187R	67
TREE	385151.87	0795313.88	1A	2331		358	358	344	10130		699L	66

000128

AIRPORT ELEVATION 1987

23 SUPLC 1947/1958 385340.271N 0795111.111W 0384731

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	385305.28	0795150.39	1A	2008		61	50	21	-4705		203R	35
OL ON POLE	385302.63	0795146.15	1A	2005		58	47	18	-4704		226L	32
TREE	385303.40	0795145.93	1A	2023		76	65	36	-4632		191L	50
TREE	385308.41	0795148.17	1A	2027		80	69	40	-4348		265R	56
TREE	385313.51	0795142.76	1A	2019		72	61	32	-3678		254R	54
CEILOMETER	385310.57	0795137.47	1A	1973		26	15	-14	-3648		258L	8
TREE	385325.18	0795122.66	1A	1980		33	22	-7	-1762		245L	30
TREE	385334.68	0795120.81	1A	1981		34	23	-6	-921		244R	32
GROUND	385340.34	0795107.29	1A	1951		4	-7	-36	195		231L	4
FENCE	385342.46	0795108.65	1A	1953		6	-5	-34	294		13L	3
FENCE	385340.98	0795106.04	1A	1955		8	-3	-32	307		267L	5
ROAD (N)	385345.64	0795110.05	1A	1964		17	6	-23	476		275R	9
TREE	385345.19	0795102.91	1A	2019		72	61	32	794		194L	55
TREE	385350.66	0795106.58	1A	2046		99	88	59	1043		379R	74
TREE	385357.04	0795057.02	1A	2087		140	129	100	2021		194R	86
ROD ON OL ANT	385400.26	0795058.76	1A	2206		259	248	219	2188		506R	201
TREE	385401.42	0795050.23	1A	2114		167	156	127	2702		53R	93
HOUSE	385410.69	0795032.58	1A	2160		213	202	173	4307		446L	92
TREE	385415.30	0795032.72	1A	2218		271	260	231	4663		145L	140
TREE	385422.87	0795012.04	2C	2220		273	262	233	6285		939L	94

14 A(V) 1941/1969 385334.458N 0795146.290W 3084727

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	385336.14	0795146.31	1A	1956		15	-13	-31	108		132L	15
ROAD (N)	385336.29	0795149.47	1A	1955		14	-14	-32	312		13R	8
TREE	385338.03	0795156.04	1A	1994		53	25	7	827		202R	22
TREE	385347.60	0795202.45	1A	2057		116	88	70	1829		236L	35
TREE	385347.82	0795205.27	1A	2042		101	73	55	2016		113L	10

AIRPORT ELEVATION 1987

22 A(V) 1987/ 385306.326N 07951 1.514W 1284756 1970/1970 385314.937N 0795115.219W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	385336.14	0795146.31	1A	1956		-31	-14	-31	-4651	-3260	132R	15
TREE	385305.92	0795058.16	1A	2051		64	81	64	232	1623	135R	62
ROAD (N)	385302.69	0795058.71	1A	2047		60	77	60	403	1794	147L	50
BUSH	385301.93	0795057.73	1A	2064		77	94	77	512	1902	159L	61
TOMBSTONE	385302.57	0795053.98	1A	2050		63	80	63	702	2093	77R	38
TREE	385300.77	0795054.80	1A	2076		89	106	89	766	2156	105L	61
TREE	385300.62	0795050.40	1A	2092		105	122	105	1046	2437	101R	63
TREE	385258.67	0795051.08	1A	2097		110	127	110	1129	2519	87L	64
TREE	385258.06	0795045.92	1A	2112		125	142	125	1485	2876	121R	61
TREE	385246.99	0795025.50	1B	2194		207	224	207	3445	4835	260R	45

OC0128

AIRPORT ELEVATION 1987

ARP 385321.658N 0795126.498W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
WINDSOCK	385317.93	0795129.47	1A	1983		-4	219 53	448
OL ANEMOMETER	385322.56	0795120.60	1A	1977		-10	85 58	468
TREE	385320.94	0795118.45	1A	1990		3	103 49	633
TREE	385328.07	0795130.11	1A	2009		22	342 54	712
TREE	385321.62	0795136.00	1A	2012		25	276 55	758
TREE	385319.34	0795137.18	1A	2000		13	261 48	883
TREE	385326.42	0795140.06	1A	2012		25	301 14	1182
TREE	385310.83	0795135.81	1A	2028		41	221 22	1324
TREE	385331.81	0795115.35	1A	1977		-10	47 35	1349
TREE	385314.55	0795108.53	1A	2022		35	124 10	1587
TREE	385333.40	0795112.51	1A	2021		34	49 58	1618
TREE	385332.22	0795110.85	1A	2016		29	56 12	1629
TREE	385306.39	0795133.05	1A	2075		88	205 58	1631
ANT ON OL NDB	385306.60	0795117.30	1A	2019		32	161 54	1685
TREE	385334.77	0795141.12	1A	1978		-9	325 57	1764
TREE	385306.86	0795140.39	1A	2033		46	223 39	1861
TREE	385339.09	0795117.96	1A	2003		16	27 57	1885
OL ON LDA	385310.84	0795147.05	1A	1976		-11	243 21	1965
TREE	385332.23	0795147.29	1A	1997		10	310 9	1967
OL ON DME POLE	385310.48	0795147.95	1A	1987		0	243 38	2044
GROUND	385304.82	0795141.86	1A	1988		1	222 51	2096
TREE	385337.46	0795143.83	1A	1999		12	326 27	2110
TREE	385338.57	0795108.33	1A	1996		9	47 4	2230
TREE	385341.86	0795113.88	1A	1969		-18	33 4	2271
OL ON HANGAR	385305.22	0795102.95	1A	2023		36	139 5	2492
TREE *	385256.54	0795124.83	1B	2157		170	184 23	2544
TREE	385342.74	0795146.88	1A	2035		48	330 0	2678
TREE	385303.63	0795101.27	1A	2087		100	139 44	2697
TREE	385336.90	0795154.60	1A	1987		0	311 52	2711
TREE	385307.09	0795057.61	1A	2037		50	130 7	2712
ANT ON OL APBN	385255.24	0795116.02	1A	2162		175	170 7	2796
TREE	385304.52	0795054.87	1A	2069		82	132 1	3037
TREE	385347.40	0795146.22	1A	2135		148	336 11	3039

AIRPORT ELEVATION 1987

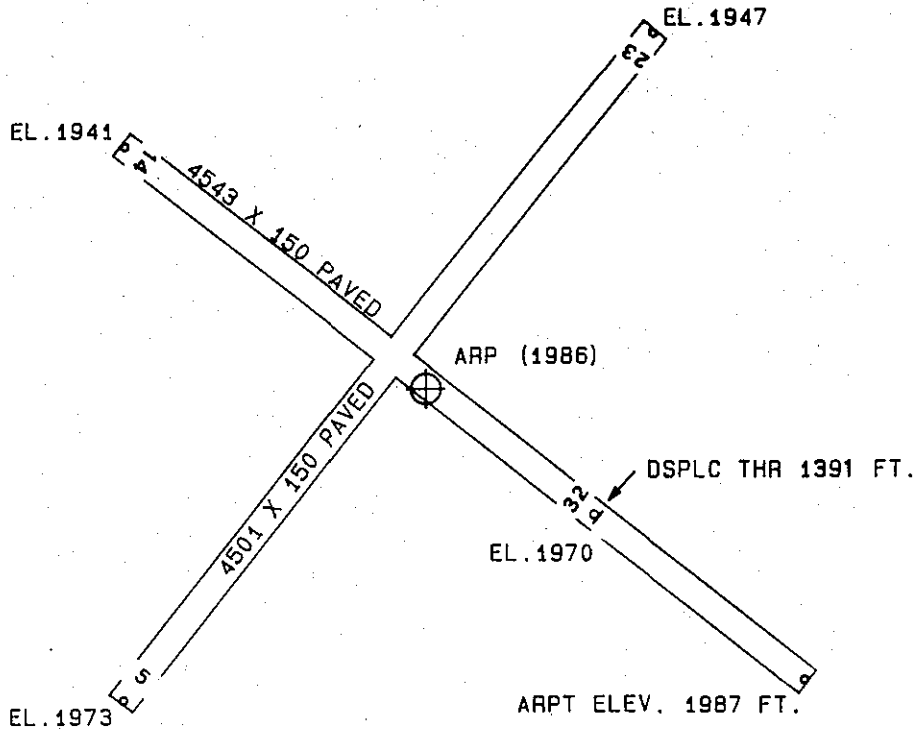
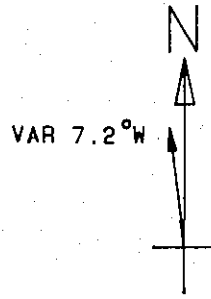
ARF 385321.658N 0795126.408W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	385352.83	0795126.53	1B	2155		168	7 2	3154
TREE	385342.73	0795056.93	1A	2047		60	54 45	3158
TREE	385248.69	0795122.06	1B	2209		222	181 19	3353
TREE	385345.12	0795157.84	1A	2037		50	320 53	3437
TREE	385350.87	0795153.61	1A	2191		204	331 9	3655
FLAGPOLE	385302.52	0795044.69	1A	2098		111	127 36	3825
TREE	385357.61	0795108.45	1A	2182		195	28 31	3905
TREE	385245.39	0795106.43	1B	2231		244	163 54	3995
TREE	385259.32	0795042.73	1A	2113		126	130 24	4127
TREE	385239.60	0795131.06	1B	2170		183	192 8	4271
TREE	385246.56	0795050.02	1B	2236		249	148 10	4570
TREE	385406.55	0795112.81	1B	2187		200	20 31	4667
TREE	385404.36	0795101.34	1A	2250		263	31 51	4753
TREE	385232.38	0795129.33	2C	2162		175	189 51	4990
TREE *	385232.02	0795131.62	1B	2184		197	191 54	5039
TREE	385407.02	0795057.32	1A	2150		163	33 49	5133
TREE	385238.11	0795052.67	1B	2286		299	156 0	5151
TREE	385409.27	0795151.05	1B	2298		311	345 11	5196
TREE	385337.58	0795022.64	1B	2186		199	79 29	5293
TREE *	385253.58	0795029.08	1B	2162		175	129 16	5350
TREE	385240.37	0795041.84	1B	2257		270	147 2	5465
TREE	385419.35	0795120.59	1B	2148		161	11 42	5855
TREE	385415.89	0795053.96	1B	2222		235	32 20	6060
TREE	385403.45	0795025.84	1B	2178		191	55 45	6388
TREE	385424.73	0795053.08	1B	2223		236	29 38	6904
TREE	385245.87	0795010.95	1A	2295		308	128 27	6980
TREE	385432.84	0795058.56	2C	2230		243	24 12	7530
TREE	385204.01	0795113.32	2C	2338		351	179 41	7924
TREE	385224.15	0795003.51	2C	2188		201	138 47	8765
TREE	385232.24	0794949.78	2C	2199		212	130 23	9132
TREE	385441.95	0795029.67	1A	2214		227	36 6	9280
TREE	385322.27	0794928.99	2C	2484		497	96 48	9285
TREE	385334.82	0795323.86	2C	2420		433	285 22	9381

AIRPORT ELEVATION 1987

ARP 385321.658N 0795126.408W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	385310.91	0795334.96	20	2444		457	271 6	10223
TREE	385235.12	0795321.51	20	2518		531	249 52	10248
TREE	385305.13	0794913.24	20	2521		534	106 13	10662
TREE*	385331.81	0795341.34	20	2465		478	282 43	10718
TREE	385251.37	0795338.12	20	2600		613	260 49	10857
TREE	385214.74	0794938.47	20	2335		348	135 36	10895
TREE*	385218.86	0794922.84	20	2465		478	130 13	11656
TREE	385454.87	0794939.66	20	2200		213	49 1	12655



TOUCHDOWN ZONE RUNWAY ELEVATION	
5	1973
23	1958
14	1969
32	1970

ELKINS-RANDOLPH COUNTY-JENNINGS RANDOLPH FIELD
 ELKINS, WEST VIRGINIA
 (NOT TO SCALE)