

- JU3841 DESIGNATION - BOUNDARY MON 87 DE MD PA=RM 2
- JU3824 DESIGNATION - MDP CORNER
- JU3960 DESIGNATION - IRWIN 2
- JU3959 DESIGNATION - IRWIN
- JV4816 DESIGNATION - BOUNDARY MON NR STA MADIX 1935
- JV4817 DESIGNATION - MADIX
- JV6739 DESIGNATION - DIXON
- JV6740 DESIGNATION - DIXON AZ MK
- JV6738 DESIGNATION - DELP AZ MK
- JV6725 DESIGNATION - CARDIFF
- JV6100 DESIGNATION - BOUNDARY MON 43 MD PA
- JV1500 DESIGNATION - BOUNDARY MON 46 MD PA
- JV6120 DESIGNATION - BOUNDARY MON 50 MD PA
- JV6123 DESIGNATION - BOUNDARY MON 54 MD PA
- JV6569 DESIGNATION - BOUNDARY MON 55 MD PA RESET
- AB4727 DESIGNATION - COLE
- JV3369 DESIGNATION - BOUNDARY MON 97 MD PA
- JW1390 DESIGNATION - BOUNDARY MONUMENT 130 MD PA
- JW1391 DESIGNATION - BOUNDARY MONUMENT 131 MD PA MASON DIXON
- JV4731 DESIGNATION - CRAIG
- JV4754 DESIGNATION - DITTO
- JW1407 DESIGNATION - MARPENN
- JW1408 DESIGNATION - RAGGED
- JV4719 DESIGNATION - STATE LINE MON SHANK 1935 RM 1
- JV4729 DESIGNATION - VACANT
- JW1491 DESIGNATION - WILLS RM A AMS 1968
- JX1874 DESIGNATION - BDRY MON GARRISON 1941 RM 2
- JX1865 DESIGNATION - BDRY MON WV PA NEAR THOMAS
- JX1871 DESIGNATION - BOUNDARY MONUMENT WV PA 1941
- JX1870 DESIGNATION - FORDYCE
- JW1242 DESIGNATION - MAUST
- JX1871 DESIGNATION - BOUNDARY MONUMENT WV PA 1941

JU3841 DESIGNATION - BOUNDARY MON 87 DE MD PA=RM 2

JU3841 PID - JU3841
 JU3841 STATE/COUNTY- MD/CECIL
 JU3841 USGS QUAD - NEWARK WEST (1992)
 JU3841
 JU3841 *CURRENT SURVEY CONTROL
 JU3841

JU3841*	NAD 83(1991)-	39 43	19.92216(N)	075 47	18.93851(W)	ADJUSTED
JU3841*	NAVD 88	-	78.	(meters)	256.	(feet) SCALED

JU3841
 JU3841 LAPLACE CORR- 0.78 (seconds) DEFLEC99
 JU3841 GEOID HEIGHT- -32.99 (meters) GEOID99
 JU3841
 JU3841 HORZ ORDER - SECOND

JU3824 DESIGNATION - MDP CORNER

JU3824 PID - JU3824
 JU3824 STATE/COUNTY- PA/CHESTER
 JU3824 USGS QUAD - NEWARK WEST (1992)
 JU3824
 JU3824 *CURRENT SURVEY CONTROL
 JU3824
 JU3824* NAD 83(1991)- 39 43 20.83487(N) 075 47 18.90941(W) ADJUSTED
 JU3824* NAVD 88 - 77.6 (meters) 255. (feet) VERTCON
 JU3824
 JU3824 LAPLACE CORR- 0.78 (seconds) DEFLEC99
 JU3824 GEOID HEIGHT- -32.99 (meters) GEOID99
 JU3824
 JU3824 HORZ ORDER - SECOND
 JU3824

JU3824.The horizontal coordinates were established by classical geodetic methods

JU3824.and adjusted by the National Geodetic Survey in January 1992.

JU3824

JU3824.The NAVD 88 height was computed by applying the VERTCON shift value to JU3824.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JU3824

JU3824.The Laplace correction was computed from DEFLEC99 derived deflections.

JU3824

JU3824.The geoid height was determined by GEOID99.

JU3824

JU3824;		North	East	Units	Scale	Converg.
JU3824;SPC PA S	-	45,073.779	768,161.700	MT	1.00003967	+1 16 21.2
JU3824;SPC DE	-	191,279.732	168,112.287	MT	1.00000751	-0 14 15.7
JU3824;UTM 18	-	4,397,250.326	432,414.410	MT	0.99965624	-0 30 14.3

JU3960 DESIGNATION - IRWIN 2

(RMI is on the line)

JU3960 PID - JU3960
 JU3960 STATE/COUNTY- MD/CECIL
 JU3960 USGS QUAD - BAY VIEW (1997)
 JU3960
 JU3960 *CURRENT SURVEY CONTROL
 JU3960
 JU3960* NAD 83(1991)- 39 43 13.18946(N) 075 56 08.62293(W) ADJUSTED
 JU3960* NAVD 88 - 139.5 (meters) 458. (feet) VERTCON

JU3960
 JU3960 LAPLACE CORR- -0.37 (seconds) DEFLEC99
 JU3960 GEOID HEIGHT- -33.03 (meters) GEOID99
 JU3960
 JU3960 HORZ ORDER - SECOND

JU3960.The horizontal coordinates were established by classical geodetic methods

JU3960.and adjusted by the National Geodetic Survey in January 1992.

JU3960

JU3960.The NAVD 88 height was computed by applying the VERTCON shift value to
 JU3960.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JU3960

JU3960.The Laplace correction was computed from DEFLEC99 derived deflections.

JU3960

JU3960.The geoid height was determined by GEOID99.

JU3960

JU3960;		North	East	Units	Scale	Converg.
JU3960;SPC MD	-	228,510.312	491,255.188	MT	1.00005848	+0 40 04.7
JU3960;SPC MD	-	749,704.25	1,611,726.40	SFT	1.00005848	+0 40 04.7
JU3960;SPC PA S	-	44,568.344	755,553.126	MT	1.00004013	+1 10 37.5
JU3960;UTM 18	-	4,397,135.900	419,800.929	MT	0.99967918	-0 35 52.8

JU3959 DESIGNATION - IRWIN

JU3959 PID - JU3959
 JU3959 STATE/COUNTY- MD/CECIL
 JU3959 USGS QUAD - BAY VIEW (1997)

JU3959

JU3959 *CURRENT SURVEY CONTROL

JU3959

JU3959*	NAD 83(1991)-	39 43 13.97567(N)	075 56 07.03312(W)	ADJUSTED
JU3959*	NAVD 88	- 139.88 (+/-2cm)	458.9 (feet)	VERTCON

JU3959

JU3959	LAPLACE CORR-	-0.36 (seconds)	DEFLEC99
JU3959	GEOID HEIGHT-	-33.03 (meters)	GEOID99

JU3959

JU3959 HORZ ORDER - FIRST

JU3959 VERT ORDER - THIRD ? (See Below)

JU3959

JU3959.The horizontal coordinates were established by classical geodetic methods

JU3959.and adjusted by the National Geodetic Survey in January 1992.

JU3959

JU3959.The NAVD 88 height was computed by applying the VERTCON shift value to
 JU3959.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JU3959.The vertical order pertains to the superseded datum.

JU3959

JU3959.The Laplace correction was computed from DEFLEC99 derived deflections.

JU3959

JU3959.The geoid height was determined by GEOID99.

JU3959

JU3959;		North	East	Units	Scale	Converg.
JU3959;SPC MD	-	228,535.001	491,292.769	MT	1.00005854	+0 40 05.7
JU3959;SPC MD	-	749,785.25	1,611,849.69	sFT	1.00005854	+0 40 05.7
JU3959;SPC PA S	-	44,593.366	755,590.486	MT	1.00004008	+1 10 38.5
JU3959;UTM 18	-	4,397,159.744	419,839.032	MT	0.99967911	-0 35 51.8

JV4816 DESIGNATION - BOUNDARY MON NR STA MADIX 1935

JV4816 PID - JV4816

JV4816 STATE/COUNTY- MD/CECIL

JV4816 USGS QUAD - CONOWINGO DAM (1995)

JV4816

JV4816 *CURRENT SURVEY CONTROL

JV4816

JV4816* NAD 83(1991)- 39 43 16.88306(N) 076 09 15.22320(W) ADJUSTED

JV4816* NAVD 88 - 143. (meters) 469. (feet) SCALED

JV4816

JV4816 LAPLACE CORR- -1.06 (seconds) DEFLEC99

JV4816 GEOID HEIGHT- -32.95 (meters) GEOID99

JV4816

JV4816 HORZ ORDER - SECOND

JV4816

JV4816.The horizontal coordinates were established by classical geodetic methods

JV4816.and adjusted by the National Geodetic Survey in January 1992.

JV4816

JV4816.The orthometric height was scaled from a topographic map.

JV4816

JV4816.The Laplace correction was computed from DEFLEC99 derived deflections.

JV4816

JV4816.The geoid height was determined by GEOID99.

JV4816

JV4816;		North	East	Units	Scale	Converg.
JV4816;SPC MD	-	228,428.230	472,519.606	MT	1.00005875	+0 31 51.0
JV4816;SPC MD	-	749,434.95	1,550,258.07	sFT	1.00005875	+0 31 51.0
JV4816;SPC PA S	-	44,320.549	736,819.352	MT	1.00003991	+1 02 07.2
JV4816;UTM 18	-	4,397,468.070	401,074.848	MT	0.99972048	-0 44 15.6

JV4817 DESIGNATION - MADIX

JV4817 PID - JV4817

JV4817 STATE/COUNTY- MD/CECIL

JV4817 USGS QUAD - CONOWINGO DAM (1995)

JV4817

JV4817 *CURRENT SURVEY CONTROL

JV4817

JV4817* NAD 83(1991)- 39 43 16.89054(N) 076 09 15.17376(W) ADJUSTED

JV4817* NAVD 88 - 142.77 (+/-2cm) 468.4 (feet) VERTCON

JV4817

JV4817 LAPLACE CORR- -1.06 (seconds) DEFLEC99

JV4817 GEOID HEIGHT- -32.95 (meters) GEOID99

JV4817

JV4817 HORZ ORDER - FIRST

JV4817 VERT ORDER - THIRD ? (See Below)

JV4817

JV4817.The horizontal coordinates were established by classical geodetic methods

JV4817.and adjusted by the National Geodetic Survey in January 1992.

JV4817

JV4817.The NAVD 88 height was computed by applying the VERTCON shift value to JV4817.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV4817.The vertical order pertains to the superseded datum.

JV4817

JV4817.The Laplace correction was computed from DEFLEC99 derived deflections.

JV4817

JV4817.The geoid height was determined by GEOID99.

JV4817

JV4817;		North	East	Units	Scale	Converg.
JV4817;SPC MD	-	228,428.471	472,520.781	MT	1.00005875	+0 31 51.0
JV4817;SPC MD	-	749,435.74	1,550,261.93	sFT	1.00005875	+0 31 51.0
JV4817;SPC PA S	-	44,320.801	736,820.525	MT	1.00003991	+1 02 07.2
JV4817;UTM 18	-	4,397,468.285	401,076.028	MT	0.99972048	-0 44 15.6

JV6739 DESIGNATION - DIXON

JV6739 PID - JV6739

JV6739 STATE/COUNTY- MD/HARFORD

JV6739 USGS QUAD - DELTA (1990)

JV6739

JV6739 *CURRENT SURVEY CONTROL

JV6739

JV6739* NAD 83(1991)- 39 43 16.23924(N) 076 15 38.70958(W) ADJUSTED

JV6739* NAVD 88 - 104.5 (meters) 343. (feet) VERTCON

JV6739

JV6739 X - 1,166,761.230 (meters) COMP

JV6739 Y - -4,772,038.434 (meters) COMP

JV6739 Z - 4,054,267.665 (meters) COMP

JV6739 LAPLACE CORR- -2.48 (seconds) DEFLEC99

JV6739 ELLIP HEIGHT- 71.63 (meters) GPS OBS

JV6739 GEOID HEIGHT- -32.90 (meters) GEOID99

JV6739

JV6739 HORZ ORDER - FIRST
 JV6739 ELLP ORDER - FOURTH CLASS I
 JV6739

JV6739.The horizontal coordinates were established by GPS observations
 JV6739.and adjusted by the National Geodetic Survey in January 1992.

JV6739
 JV6739.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6739.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6739
 JV6739.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6739
 JV6739.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6739
 JV6739.The ellipsoidal height was determined by GPS observations
 JV6739.and is referenced to NAD 83.

JV6739
 JV6739.The geoid height was determined by GEOID99.

JV6739;		North	East	Units	Scale	Converg.
JV6739;SPC MD	-	228,329.079	463,386.214	MT	1.00005870	+0 27 50.3
JV6739;SPC MD	-	749,109.65	1,520,292.94	sFT	1.00005870	+0 27 50.3
JV6739;UTM 18	-	4,397,571.202	391,944.485	MT	0.99974375	-0 48 20.8

JV6740 DESIGNATION - DIXON AZ MK

JV6740 PID - JV6740
 JV6740 STATE/COUNTY- MD/HARFORD
 JV6740 USGS QUAD - DELTA (1990)

JV6740
 JV6740 *CURRENT SURVEY CONTROL

JV6740*	NAD 83(1991)-	39 43 12.35333(N)	076 16 00.56293(W)	ADJUSTED
JV6740*	NAVD 88	- 128.7 (meters)	422. (feet)	VERTCON

JV6740	X	- 1,166,278.239 (meters)	COMP
JV6740	Y	-4,772,254.512 (meters)	COMP
JV6740	Z	4,054,190.953 (meters)	COMP
JV6740	LAPLACE CORR-	-2.47 (seconds)	DEFLEC99
JV6740	ELLIP HEIGHT-	95.84 (meters)	GPS OBS
JV6740	GEOID HEIGHT-	-32.89 (meters)	GEOID99

JV6740
 JV6740 HORZ ORDER - FIRST
 JV6740 ELLP ORDER - FOURTH CLASS I

JV6740
 JV6740.The horizontal coordinates were established by GPS observations
 JV6740.and adjusted by the National Geodetic Survey in January 1992.

JV6740
 JV6740.The NAVD 88 height was computed by applying the VERTCON shift value to

JV6740.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
 JV6740
 JV6740.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 JV6740
 JV6740.The Laplace correction was computed from DEFLEC99 derived deflections.
 JV6740
 JV6740.The ellipsoidal height was determined by GPS observations
 JV6740.and is referenced to NAD 83.
 JV6740
 JV6740.The geoid height was determined by GEOID99.

JV6740;		North	East	Units	Scale	Converg.
JV6740;SPC MD	-	228,205.031	462,866.688	MT	1.00005842	+0 27 36.6
JV6740;SPC MD	-	748,702.67	1,518,588.46	sFT	1.00005842	+0 27 36.6
JV6740;UTM 18	-	4,397,458.732	391,422.502	MT	0.99974514	-0 48 34.7

JV6738 DESIGNATION - DELP AZ MK

JV6738 PID - JV6738
 JV6738 STATE/COUNTY- MD/HARFORD
 JV6738 USGS QUAD - DELTA (1990)
 JV6738
 JV6738 *CURRENT SURVEY CONTROL
 JV6738

JV6738*	NAD 83(1991)-	39 43 13.53562(N)	076 17 43.26201(W)	ADJUSTED
JV6738*	NAVD 88 -	141.8 (meters)	465. (feet)	VERTCON

JV6738 X - 1,163,898.874 (meters) COMP
 JV6738 Y - -4,772,821.820 (meters) COMP
 JV6738 Z - 4,054,227.422 (meters) COMP
 JV6738 LAPLACE CORR- -2.66 (seconds) DEFLEC99
 JV6738 ELLIP HEIGHT- 109.02 (meters) GPS OBS
 JV6738 GEOID HEIGHT- -32.85 (meters) GEOID99
 JV6738
 JV6738 HORZ ORDER - FIRST
 JV6738 ELLP ORDER - FOURTH CLASS I
 JV6738

JV6738.The horizontal coordinates were established by GPS observations
 JV6738.and adjusted by the National Geodetic Survey in January 1992.
 JV6738
 JV6738.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6738.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
 JV6738
 JV6738.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 JV6738
 JV6738.The Laplace correction was computed from DEFLEC99 derived deflections.
 JV6738
 JV6738.The ellipsoidal height was determined by GPS observations

JV6738.and is referenced to NAD 83.

JV6738

JV6738.The geoid height was determined by GEOID99.

JV6738

JV6738;		North	East	Units	Scale	Converg.
JV6738;SPC MD	-	228,222.232	460,420.347	MT	1.00005851	+0 26 32.1
JV6738;SPC MD	-	748,759.11	1,510,562.42	sFT	1.00005851	+0 26 32.1
JV6738;UTM 18	-	4,397,530.125	388,977.901	MT	0.99975175	-0 49 40.3

JV6725 DESIGNATION - CARDIFF

JV6725 PID - JV6725

JV6725 STATE/COUNTY- MD/HARFORD

JV6725 USGS QUAD - DELTA (1990)

JV6725

JV6725 *CURRENT SURVEY CONTROL

JV6725

JV6725* NAD 83(1991)- 39 43 15.52035(N) 076 20 07.57240(W) ADJUSTED

JV6725* NAVD 88 - 132.7 (meters) 435. (feet) VERTCON

JV6725

JV6725 X - 1,160,548.463 (meters) COMP

JV6725 Y - -4,773,590.183 (meters) COMP

JV6725 Z - 4,054,268.722 (meters) COMP

JV6725 LAPLACE CORR- -2.52 (seconds) DEFLEC99

JV6725 ELLIP HEIGHT- 99.97 (meters) GPS OBS

JV6725 GEOID HEIGHT- -32.80 (meters) GEOID99

JV6725

JV6725 HORZ ORDER - FIRST

JV6725 ELLP ORDER - FOURTH CLASS I

JV6725

JV6725.The horizontal coordinates were established by GPS observations

JV6725.and adjusted by the National Geodetic Survey in January 1992.

JV6725

JV6725.The NAVD 88 height was computed by applying the VERTCON shift value to

JV6725.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6725

JV6725.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6725

JV6725.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6725

JV6725.The ellipsoidal height was determined by GPS observations

JV6725.and is referenced to NAD 83.

JV6725

JV6725.The geoid height was determined by GEOID99.

JV6725

JV6725;		North	East	Units	Scale	Converg.
JV6725;SPC MD	-	228,257.669	456,982.761	MT	1.00005865	+0 25 01.6
JV6725;SPC MD	-	748,875.37	1,499,284.28	sFT	1.00005865	+0 25 01.6

JV6725;UTM 18 - 4,397,641.732 385,542.983 MT 0.99976128 -0 51 12.6

JV6100 DESIGNATION - BOUNDARY MON 43 MD PA

JV6100 PID - JV6100
 JV6100 STATE/COUNTY- MD/BALTIMORE
 JV6100 USGS QUAD - NORRISVILLE (1984)
 JV6100
 JV6100 *CURRENT SURVEY CONTROL
 JV6100

 JV6100* NAD 83(1991)- 39 43 16.22929(N) 076 35 49.16917(W) ADJUSTED
 JV6100* NAVD 88 - 214. (meters) 702. (feet) SCALED

 JV6100 LAPLACE CORR- -1.74 (seconds) DEFLEC99
 JV6100 GEOID HEIGHT- -32.45 (meters) GEOID99
 JV6100
 JV6100 HORZ ORDER - FIRST
 JV6100

JV6100.The horizontal coordinates were established by classical geodetic methods and adjusted by the National Geodetic Survey in January 1992.
 JV6100
 JV6100.The orthometric height was scaled from a topographic map.
 JV6100
 JV6100.The Laplace correction was computed from DEFLEC99 derived deflections.
 JV6100
 JV6100.The geoid height was determined by GEOID99.
 JV6100

JV6100;		North	East	Units	Scale	Converg.
JV6100;SPC MD	-	228,148.399	434,555.937	MT	1.00005870	+0 15 10.6
JV6100;SPC MD	-	748,516.87	1,425,705.60	sFT	1.00005870	+0 15 10.6
JV6100;SPC PA S	-	43,709.578	698,860.284	MT	1.00003995	+0 44 53.0
JV6100;UTM 18	-	4,398,030.286	363,125.175	MT	0.99983065	-1 01 14.6
JV6100:		Primary Azimuth Mark				Grid Az
JV6100:SPC MD	-	BOUNDARY MON 43 RM 1 AZIMUTH				026 12 27.0
JV6100:SPC PA S	-	BOUNDARY MON 43 RM 1 AZIMUTH				025 42 44.6
JV6100:UTM 18	-	BOUNDARY MON 43 RM 1 AZIMUTH				027 28 52.2

JV6100	PID	Reference Object	Distance	Geod. Az
JV6100				dddmmss.s
JV6100		BOUNDARY MON 43 RM 1 AZIMUTH		0262737.6
JV6100		BOUNDARY MON 43 RM 2	24.049 METERS	09033
JV6100		BOUNDARY MON 43 RM 3	24.308 METERS	30258

JV6100
 JV6100 SUPERSEDED SURVEY CONTROL
 JV6100

JV6100 NAD 83(1986)- 39 43 16.22156(N) 076 35 49.17120(W) AD() 1
 JV6100 NAD 27 - 39 43 15.84900(N) 076 35 50.28500(W) AD() 1

JV1500 DESIGNATION - BOUNDARY MON 46 MD PA

JV1500 PID - JV1500
 JV1500 STATE/COUNTY- MD/BALTIMORE
 JV1500 USGS QUAD - NEW FREEDOM (1974)
 JV1500
 JV1500 *CURRENT SURVEY CONTROL
 JV1500
 JV1500* NAD 83(1991)- 39 43 16.17456(N) 076 39 21.59085(W) ADJUSTED
 JV1500* NAVD 88 - 265.080 (meters) 869.68 (feet) ADJUSTED
 JV1500
 JV1500 LAPLACE CORR- -0.98 (seconds) DEFLEC99
 JV1500 GEOID HEIGHT- -32.40 (meters) GEOID99
 JV1500 DYNAMIC HT - 264.947 (meters) 869.25 (feet) COMP
 JV1500 MODELED GRAV- 980,117.1 (mgal) NAVD 88
 JV1500
 JV1500 HORZ ORDER - FIRST
 JV1500 VERT ORDER - SECOND CLASS 0
 JV1500

JV1500.The horizontal coordinates were established by classical geodetic methods

JV1500.and adjusted by the National Geodetic Survey in January 1992.

JV1500

JV1500.The orthometric height was determined by differential leveling

JV1500.and adjusted by the National Geodetic Survey in June 1991.

JV1500

JV1500.The Laplace correction was computed from DEFLEC99 derived deflections.

JV1500

JV1500.The geoid height was determined by GEOID99.

JV1500

JV1500.The dynamic height is computed by dividing the NAVD 88

JV1500.geopotential number by the normal gravity value computed on the

JV1500.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

JV1500.degrees latitude (g = 980.6199 gals.).

JV1500

JV1500.The modeled gravity was interpolated from observed gravity values.

JV1500

JV1500;		North	East	Units	Scale	Converg.
JV1500;SPC MD	-	228,126.010	429,496.502	MT	1.00005870	+0 12 57.3
JV1500;SPC MD	-	748,443.42	1,409,106.44	sFT	1.00005870	+0 12 57.3
JV1500;SPC PA S	-	43,643.526	693,801.327	MT	1.00003995	+0 42 35.2
JV1500;UTM 18	-	4,398,120.373	358,067.603	MT	0.99984801	-1 03 30.4

JV6120 DESIGNATION - BOUNDARY MON 50 MD PA

JV6120 PID - JV6120
 JV6120 STATE/COUNTY- MD/BALTIMORE
 JV6120 USGS QUAD - NEW FREEDOM (1974)
 JV6120
 JV6120 *CURRENT SURVEY CONTROL
 JV6120

 JV6120* NAD 83(1991)- 39 43 15.36789(N) 076 43 44.46393(W) ADJUSTED
 JV6120* NAVD 88 - 255. (meters) 837. (feet) SCALED

 JV6120 LAPLACE CORR- 0.32 (seconds) DEFLEC99
 JV6120 GEOID HEIGHT- -32.39 (meters) GEOID99
 JV6120
 JV6120 HORZ ORDER - FIRST
 JV6120

JV6120.The horizontal coordinates were established by classical geodetic methods
 and adjusted by the National Geodetic Survey in January 1992.
 JV6120
 JV6120.The orthometric height was scaled from a topographic map.
 JV6120
 JV6120.The Laplace correction was computed from DEFLEC99 derived deflections.
 JV6120
 JV6120.The geoid height was determined by GEOID99.
 JV6120

JV6120;		North	East	Units	Scale	Converg.
JV6120;SPC MD	-	228,080.040	423,235.471	MT	1.00005864	+0 10 12.3
JV6120;SPC MD	-	748,292.60	1,388,565.04	sFT	1.00005864	+0 10 12.3
JV6120;SPC PA S	-	43,543.676	687,541.039	MT	1.00004000	+0 39 44.7
JV6120;UTM 18	-	4,398,213.687	351,808.348	MT	0.99987037	-1 06 18.5

JV6123 DESIGNATION - BOUNDARY MON 54 MD PA

JV6123 PID - JV6123
 JV6123 STATE/COUNTY- MD/CARROLL
 JV6123 USGS QUAD - LINEBORO (1984)
 JV6123
 JV6123 *CURRENT SURVEY CONTROL
 JV6123

 JV6123* NAD 83(1991)- 39 43 14.50754(N) 076 48 23.88777(W) ADJUSTED
 JV6123* NAVD 88 - 268. (meters) 879. (feet) SCALED

 JV6123 LAPLACE CORR- 2.14 (seconds) DEFLEC99
 JV6123 GEOID HEIGHT- -32.44 (meters) GEOID99
 JV6123
 JV6123 HORZ ORDER - FIRST
 JV6123

JV6123.The horizontal coordinates were established by classical geodetic methods

JV6123.and adjusted by the National Geodetic Survey in January 1992.

JV6123

JV6123.The orthometric height was scaled from a topographic map.

JV6123

JV6123.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6123

JV6123.The geoid height was determined by GEOID99.

JV6123

JV6123;		North	East	Units	Scale	Converg.
JV6123;SPC MD	-	228,036.578	416,580.178	MT	1.00005858	+0 07 16.9
JV6123;SPC MD	-	748,150.01	1,366,730.13	sFT	1.00005858	+0 07 16.9
JV6123;SPC PA S	-	43,443.126	680,886.488	MT	1.00004005	+0 36 43.4
JV6123;UTM 18	-	4,398,318.381	345,154.908	MT	0.99989520	-1 09 17.1

JV6569 DESIGNATION - BOUNDARY MON 55 MD PA RESET

JV6569 PID - JV6569

JV6569 STATE/COUNTY- MD/CARROLL

JV6569 USGS QUAD - LINEBORO (1984)

JV6569

JV6569 *CURRENT SURVEY CONTROL

JV6569

JV6569* NAD 83(1991)- 39 43 14.40665(N) 076 49 25.27426(W) ADJUSTED

JV6569* NAVD 88 - 209. (meters) 686. (feet) SCALED

JV6569

JV6569 LAPLACE CORR- 2.29 (seconds) DEFLEC99

JV6569 GEOID HEIGHT- -32.46 (meters) GEOID99

JV6569

JV6569 HORZ ORDER - SECOND

JV6569

JV6569.The horizontal coordinates were established by classical geodetic methods

JV6569.and adjusted by the National Geodetic Survey in January 1992.

JV6569

JV6569.The orthometric height was scaled from a topographic map.

JV6569

JV6569.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6569

JV6569.The geoid height was determined by GEOID99.

JV6569

JV6569;		North	East	Units	Scale	Converg.
JV6569;SPC MD	-	228,030.506	415,118.067	MT	1.00005857	+0 06 38.4
JV6569;SPC MD	-	748,130.09	1,361,933.19	sFT	1.00005857	+0 06 38.4
JV6569;SPC PA S	-	43,424.537	679,424.510	MT	1.00004006	+0 36 03.5
JV6569;UTM 18	-	4,398,344.871	343,693.259	MT	0.99990080	-1 09 56.4

AB4727 |-----|

AB4727

AB4727

SUPERSEDED SURVEY CONTROL

AB4727

AB4727.No superseded survey control is available for this station.

AB4727

AB4727_MARKER: DD = SURVEY DISK

AB4727_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AB4727_STAMPING: COLE 1995

AB4727_MARK LOGO: MD-013

AB4727_MAGNETIC: O = OTHER; SEE DESCRIPTION

AB4727_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AB4727+STABILITY: SURFACE MOTION

AB4727_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AB4727+SATELLITE: SATELLITE OBSERVATIONS - 1995

AB4727

AB4727 HISTORY - Date Condition Report By

AB4727 HISTORY - 1995 MONUMENTED MD-013

AB4727

AB4727 STATION DESCRIPTION

AB4727

AB4727'DESCRIBED BY CARROLL COUNTY MARYLAND 1995

AB4727'STATION IS LOCATED ABOUT 11.0 MI (17.7 KM) NORTHEAST OF THE CENTER OF

AB4727'WESTMINSTER AND ABOUT 4.5 MI (7.2 KM) NORTHWEST OF MANCHESTER AT THE

AB4727'MARYLAND/PENNSYLVANIA STATE LINE. STATION IS LOCATED ON THE EAST SIDE

AB4727'OF MD ROUTE 30 (HANOVER PIKE) AT ITS INTERSECTION WITH THE

AB4727'MARYLAND/PENNSYLVANIA STATE LINE. STATION MARK IS SET IN THE TOP OF 10

AB4727'IN DIAMETER CONCRETE MONUMENT SET FLUSH WITH THE GROUND. IT IS 55.5 FT

AB4727'(16.9 M) EAST OF THE CENTERLINE OF THE ROAD, 115.0 FT (35.1 M) NORTH

AB4727'OF THE THE CENTERLINE OF THE INTERSECTION OF THE ROAD WITH A DIRT

AB4727'DRIVEWAY LEADING TO HOUSE NO.3820, 46.6 FT (14.2 M) SOUTHWEST OF A

AB4727'MASON-DIXON LINE MARKER AND 42.0 FT (12.8 M) SOUTHEAST OF A

AB4727'MASON-DIXON LINE SIGN ALONG THE EAST SIDE OF THE ROAD.

JV3369 DESIGNATION - BOUNDARY MON 97 MD PA

JV3369 PID - JV3369

JV3369 STATE/COUNTY- MD/WASHINGTON

JV3369 USGS QUAD - SMITHSBURG (1994)

JV3369

JV3369 *CURRENT SURVEY CONTROL

JV3369

JV3369* NAD 83(1991)- 39 43 13.85466(N) 077 36 58.33287(W) ADJUSTED

JV3369* NAVD 88 - 196.432 (meters) 644.46 (feet) ADJUSTED

JV3369

JV3369 LAPLACE CORR- 5.19 (seconds) DEFLEC99

JV3369 GEOID HEIGHT- -34.02 (meters) GEOID99

JV3369 DYNAMIC HT - 196.318 (meters) 644.09 (feet) COMP

JV3369 MODELED GRAV- 980,044.1 (mgal) NAVD 88

JV3369

JV3369 HORZ ORDER - FIRST

JV3369 VERT ORDER - SECOND CLASS 0

JV3369

JV3369.The horizontal coordinates were established by classical geodetic methods

JV3369.and adjusted by the National Geodetic Survey in January 1992.

JV3369

JV3369.The orthometric height was determined by differential leveling

JV3369.and adjusted by the National Geodetic Survey in June 1991.

JV3369

JV3369.The Laplace correction was computed from DEFLEC99 derived deflections.

JV3369

JV3369.The geoid height was determined by GEOID99.

JV3369

JV3369.The dynamic height is computed by dividing the NAVD 88

JV3369.geopotential number by the normal gravity value computed on the

JV3369.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

JV3369.degrees latitude (g = 980.6199 gals.).

JV3369

JV3369.The modeled gravity was interpolated from observed gravity values.

JV3369

JV3369;		North	East	Units	Scale	Converg.
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JV3369;SPC MD	-	228,177.207	347,163.410	MT	1.00005853	-0 23 12.3
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JV3369;SPC MD	-	748,611.39	1,138,985.29	SFT	1.00005853	-0 23 12.3
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JV3369;SPC PA S	-	42,999.650	611,472.292	MT	1.00004009	+0 05 12.5
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JV3369;UTM 18	-	4,400,010.762	275,759.423	MT	1.00021911	-1 40 21.2
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JW1390 DESIGNATION - BOUNDARY MONUMENT 130 MD PA

JW1390 PID - JW1390

JW1390 STATE/COUNTY- MD/WASHINGTON

JW1390 USGS QUAD - HANCOCK (1971)

JW1390

JW1390 *CURRENT SURVEY CONTROL

JW1390

JW1390* NAD 83(1991)- 39 43 21.01015(N) 078 14 12.65950(W) ADJUSTED

JW1390* NAVD 88 - 218. (meters) 715. (feet) SCALED
 JW1390

JW1390 LAPLACE CORR- -5.19 (seconds) DEFLEC99
 JW1390 GEOID HEIGHT- -33.85 (meters) GEOID99

JW1390
 JW1390 HORZ ORDER - SECOND

JW1390.The horizontal coordinates were established by classical geodetic methods

JW1390.and adjusted by the National Geodetic Survey in January 1992.

JW1390

JW1390.The orthometric height was scaled from a topographic map.

JW1390

JW1390.The Laplace correction was computed from DEFLEC99 derived deflections.

JW1390

JW1390.The geoid height was determined by GEOID99.

JW1390

JW1390;		North	East	Units	Scale	Converg.
JW1390;SPC MD	-	228,938.007	293,951.307	MT	1.00005905	-0 46 34.6
JW1390;SPC MD	-	751,107.44	964,405.25	sFT	1.00005905	-0 46 34.6
JW1390;SPC PA S	-	43,326.717	558,256.770	MT	1.00003965	-0 18 57.1
JW1390;SPC WV N	-	136,480.609	708,290.791	MT	0.99994216	+0 48 20.2
JW1390;UTM 17	-	4,400,609.582	736,830.645	MT	1.00029059	+1 45 60.0

JW1390

JW1390:		Primary Azimuth Mark	Grid Az
JW1390:SPC MD	-	BOUNDARY MONUMENT 130 AZ MK	253 19 13.6
JW1390:SPC PA S	-	BOUNDARY MONUMENT 130 AZ MK	252 51 36.1
JW1390:SPC WV N	-	BOUNDARY MONUMENT 130 AZ MK	251 44 18.8
JW1390:UTM 17	-	BOUNDARY MONUMENT 130 AZ MK	250 46 39.0

JW1391 DESIGNATION - BOUNDARY MONUMENT 131 MD PA MASON DIXON

JW1391 PID - JW1391
 JW1391 STATE/COUNTY- PA/FULTON
 JW1391 USGS QUAD - HANCOCK (1971)

JW1391

JW1391 *CURRENT SURVEY CONTROL

JW1391

JW1391* NAD 83(1995)- 39 43 20.87256(N) 078 10 53.52320(W) ADJUSTED
 JW1391* NAVD 88 - 168. (meters) 551. (feet) SCALED

JW1391

JW1391 LAPLACE CORR- -3.34 (seconds) DEFLEC99
 JW1391 GEOID HEIGHT- -33.96 (meters) GEOID99

JW1391

JW1391 HORZ ORDER - SECOND

JW1391

JW1391.The horizontal coordinates were established by classical geodetic methods

JW1391.and adjusted by the National Geodetic Survey in April 1998.

JW1391

JW1391.The orthometric height was scaled from a topographic map.

JW1391

JW1391.The Laplace correction was computed from DEFLEC99 derived deflections.

JW1391

JW1391.The geoid height was determined by GEOID99.

JW1391

JW1391;		North	East	Units	Scale	Converg.
JW1391;SPC PA S	-	43,297.812	562,999.554	MT	1.00003966	-0 16 47.9
JW1391;SPC MD	-	228,870.941	298,693.797	MT	1.00005904	-0 44 29.7
JW1391;SPC MD	-	750,887.41	979,964.57	sFT	1.00005904	-0 44 29.7
JW1391;UTM 17	-	4,400,753.062	741,572.603	MT	1.00031852	+1 48 07.4

JV4731 DESIGNATION - CRAIG

JV4731 PID - JV4731

JV4731 STATE/COUNTY- MD/WASHINGTON

JV4731 USGS QUAD - MASON-DIXON (1971)

JV4731

JV4731 *CURRENT SURVEY CONTROL

JV4731

JV4731* NAD 83(1991)- 39 43 18.43778(N) 077 50 28.21554(W) ADJUSTED

JV4731* NAVD 88 - 165. (meters) 541. (feet) SCALED

JV4731

JV4731 LAPLACE CORR- -0.67 (seconds) DEFLEC99

JV4731 GEOID HEIGHT- -34.30 (meters) GEOID99

JV4731

JV4731 HORZ ORDER - SECOND

JV4731

JV4731.The horizontal coordinates were established by classical geodetic methods

JV4731.and adjusted by the National Geodetic Survey in January 1992.

JV4731

JV4731.The orthometric height was scaled from a topographic map.

JV4731

JV4731.The Laplace correction was computed from DEFLEC99 derived deflections.

JV4731

JV4731.The geoid height was determined by GEOID99.

JV4731

JV4731;		North	East	Units	Scale	Converg.
JV4731;SPC MD	-	228,472.536	327,875.276	MT	1.00005886	-0 31 40.6
JV4731;SPC MD	-	749,580.31	1,075,704.13	sFT	1.00005886	-0 31 40.6
JV4731;SPC PA S	-	43,136.351	592,182.744	MT	1.00003981	-0 03 32.9
JV4731;SPC WV N	-	136,952.943	742,210.701	MT	0.99994214	+1 03 28.6
JV4731;UTM 18	-	4,400,739.467	256,478.643	MT	1.00033016	-1 48 59.7

JV4754 DESIGNATION - DITTO

JV4754 PID - JV4754
 JV4754 STATE/COUNTY- MD/WASHINGTON
 JV4754 USGS QUAD - CLEAR SPRING (1971)
 JV4754
 JV4754 *CURRENT SURVEY CONTROL
 JV4754

JV4754* NAD 83(1991)- 39 43 19.31659(N) 077 52 52.04716(W) ADJUSTED
 JV4754* NAVD 88 - 176. (meters) 577. (feet) SCALED
 JV4754

JV4754 LAPLACE CORR- -2.34 (seconds) DEFLEC99
 JV4754 GEOID HEIGHT- -34.27 (meters) GEOID99
 JV4754
 JV4754 HORZ ORDER - SECOND
 JV4754

JV4754.The horizontal coordinates were established by classical geodetic methods
 and adjusted by the National Geodetic Survey in January 1992.
 JV4754
 JV4754.The orthometric height was scaled from a topographic map.
 JV4754
 JV4754.The Laplace correction was computed from DEFLEC99 derived deflections.
 JV4754
 JV4754.The geoid height was determined by GEOID99.
 JV4754

JV4754;		North	East	Units	Scale	Converg.
JV4754;SPC MD	-	228,531.956	324,449.923	MT	1.00005892	-0 33 10.9
JV4754;SPC MD	-	749,775.26	1,064,466.12	sFT	1.00005892	-0 33 10.9
JV4754;SPC PA S	-	43,167.767	588,757.085	MT	1.00003976	-0 05 06.3
JV4754;SPC WV N	-	136,917.557	738,785.415	MT	0.99994214	+1 01 56.9
JV4754;UTM 18	-	4,400,875.958	253,054.529	MT	1.00035084	-1 50 31.7

JW1407 DESIGNATION - MARPENN

JW1407 PID - JW1407
 JW1407 STATE/COUNTY- MD/ALLEGANY
 JW1407 USGS QUAD - ARTEMAS (1984)
 JW1407
 JW1407 *CURRENT SURVEY CONTROL
 JW1407

JW1407* NAD 83(1991)- 39 43 21.29309(N) 078 22 52.46831(W) ADJUSTED
 JW1407* NAVD 88 - 482. (meters) 1581. (feet) SCALED
 JW1407

JW1407 LAPLACE CORR- -5.48 (seconds) DEFLEC99
 JW1407 GEOID HEIGHT- -33.48 (meters) GEOID99
 JW1407
 JW1407 HORZ ORDER - FIRST
 JW1407

JW1407.The horizontal coordinates were established by classical geodetic

methods

JW1407.and adjusted by the National Geodetic Survey in January 1992.

JW1407

JW1407.The orthometric height was scaled from a topographic map.

JW1407

JW1407.The Laplace correction was computed from DEFLEC99 derived deflections.

JW1407

JW1407.The geoid height was determined by GEOID99.

JW1407

JW1407;		North	East	Units	Scale	Converg.
JW1407;SPC MD	-	229,124.261	281,572.082	MT	1.00005907	-0 52 00.9
JW1407;SPC MD	-	751,718.51	923,791.07	sFT	1.00005907	-0 52 00.9
JW1407;SPC PA S	-	43,413.816	545,876.691	MT	1.00003964	-0 24 34.4
JW1407;SPC WV N	-	136,325.231	695,912.588	MT	0.99994216	+0 42 48.7
JW1407;UTM 17	-	4,400,246.526	724,452.916	MT	1.00022028	+1 40 27.4

JW1408 DESIGNATION - RAGGED

JW1408 PID - JW1408

JW1408 STATE/COUNTY- MD/ALLEGANY

JW1408 USGS QUAD - ARTEMAS (1984)

JW1408

JW1408 *CURRENT SURVEY CONTROL

JW1408

JW1408* NAD 83(1991)- 39 43 21.72577(N) 078 29 36.92870(W) ADJUSTED

JW1408* NAVD 88 - 500. (meters) 1640. (feet) SCALED

JW1408

JW1408 LAPLACE CORR- -5.24 (seconds) DEFLEC99

JW1408 GEOID HEIGHT- -33.19 (meters) GEOID99

JW1408

JW1408 HORZ ORDER - FIRST

JW1408

JW1408.The horizontal coordinates were established by classical geodetic

methods

JW1408.and adjusted by the National Geodetic Survey in January 1992.

JW1408

JW1408.The orthometric height was scaled from a topographic map.

JW1408

JW1408.The Laplace correction was computed from DEFLEC99 derived deflections.

JW1408

JW1408.The geoid height was determined by GEOID99.

JW1408

JW1408;		North	East	Units	Scale	Converg.
JW1408;SPC MD	-	229,289.283	271,940.206	MT	1.00005910	-0 56 14.7
JW1408;SPC MD	-	752,259.92	892,190.49	sFT	1.00005910	-0 56 14.7
JW1408;UTM 17	-	4,399,984.412	714,821.891	MT	1.00016819	+1 36 08.6

JV4719 DESIGNATION - STATE LINE MON SHANK 1935 RM 1

JV4719 PID - JV4719
 JV4719 STATE/COUNTY- MD/WASHINGTON
 JV4719 USGS QUAD - MASON-DIXON (1971)
 JV4719
 JV4719 *CURRENT SURVEY CONTROL
 JV4719

JV4719*	NAD 83(1991)-	39 43 16.94510(N)	077 46 00.54790(W)	ADJUSTED
JV4719*	NAVD 88	- 165.	(meters) 541.	(feet) SCALED

JV4719	LAPLACE CORR-	1.67	(seconds)	DEFLEC99
JV4719	GEOID HEIGHT-	-34.28	(meters)	GEOID99

JV4719
 JV4719 HORZ ORDER - SECOND
 JV4719

JV4719.The horizontal coordinates were established by classical geodetic methods
 and adjusted by the National Geodetic Survey in January 1992.
 JV4719
 JV4719.The orthometric height was scaled from a topographic map.
 JV4719
 JV4719.The Laplace correction was computed from DEFLEC99 derived deflections.
 JV4719
 JV4719.The geoid height was determined by GEOID99.
 JV4719

JV4719;		North	East	Units	Scale	Converg.
JV4719;SPC MD	-	228,370.351	334,249.924	MT	1.00005875	-0 28 52.6
JV4719;SPC MD	-	749,245.06	1,096,618.29	sFT	1.00005875	-0 28 52.6
JV4719;SPC PA S	-	43,086.414	598,557.895	MT	1.00003990	-0 00 39.3
JV4719;SPC WV N	-	137,027.253	748,584.991	MT	0.99994212	+1 06 19.4
JV4719;UTM 18	-	4,400,493.939	262,850.991	MT	1.00029245	-1 46 08.3

JV4729 DESIGNATION - VACANT

JV4729 PID - JV4729
 JV4729 STATE/COUNTY- MD/WASHINGTON
 JV4729 USGS QUAD - MASON-DIXON (1971)
 JV4729
 JV4729 *CURRENT SURVEY CONTROL
 JV4729

JV4729*	NAD 83(1991)-	39 43 16.26329(N)	077 47 09.43549(W)	ADJUSTED
JV4729*	NAVD 88	- 172.	(meters) 564.	(feet) SCALED

JV4729	LAPLACE CORR-	1.11	(seconds)	DEFLEC99
JV4729	GEOID HEIGHT-	-34.29	(meters)	GEOID99

JV4729

JV4729 HORZ ORDER - SECOND

JV4729

JV4729.The horizontal coordinates were established by classical geodetic methods

JV4729.and adjusted by the National Geodetic Survey in January 1992.

JV4729

JV4729.The orthometric height was scaled from a topographic map.

JV4729

JV4729.The Laplace correction was computed from DEFLEC99 derived deflections.

JV4729

JV4729.The geoid height was determined by GEOID99.

JV4729

JV4729;		North	East	Units	Scale	Converg.
JV4729;SPC MD	-	228,363.277	332,609.035	MT	1.00005870	-0 29 35.9
JV4729;SPC MD	-	749,221.85	1,091,234.81	sFT	1.00005870	-0 29 35.9
JV4729;SPC PA S	-	43,065.876	596,917.150	MT	1.00003994	-0 01 24.0
JV4729;SPC WV N	-	136,974.756	746,945.118	MT	0.99994212	+1 05 35.4
JV4729;UTM 18	-	4,400,523.752	261,209.966	MT	1.00030206	-1 46 52.4

JV4729

JV4729:		Primary Azimuth Mark	Grid Az
JV4729:SPC MD	-	VACANT AZ MK	257 30 06.7
JV4729:SPC PA S	-	VACANT AZ MK	257 01 54.8
JV4729:SPC WV N	-	VACANT AZ MK	255 54 55.4
JV4729:UTM 18	-	VACANT AZ MK	258 47 23.2

JV4729

JV4729	-----		
JV4729	PID	Reference Object	Distance
JV4729			Geod. Az
JV4729			dddmss.s
JV4729		VACANT RM 1	43.629 METERS 03517
JV4729		VACANT AZ MK	2570030.8
JV4729	-----		

JV4729

JV4729 SUPERSEDED SURVEY CONTROL

JV4729

JV4729	NAD 83(1986)-	39 43 16.26150(N)	077 47 09.44566(W)	AD() 2
JV4729	NAD 27	- 39 43 15.92400(N)	077 47 10.46500(W)	AD() 2

JV4729

JV4729.Superseded values are not recommended for survey control.

JV4729.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JV4729.See file dsdata.txt to determine how the superseded data were derived.

JV4729

JV4729_MARKER: DS = TRIANGULATION STATION DISK

JV4729_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JV4729

JV4729	HISTORY	- Date	Condition	Report By
JV4729	HISTORY	- 1935	MONUMENTED	CGS

JV4729

JV4729 STATION DESCRIPTION

JV4729

JV4729'DESCRIBED BY COAST AND GEODETIC SURVEY 1935 (JB)
JV4729'THIS STATION IS LOCATED ABOUT 6 MILES NW FROM HAGERSTOWN ON
JV4729'PROPERTY BELONGING TO MRS. HERBERT, AND OCCUPIED BY JOHN
JV4729'CRAWFORD. IT IS ON A HIGH HILL ABOUT 0.2 MILE E FROM CONOCOCHIEGUE
JV4729'CREEK AND 0.6 MILE NE FROM MACADAM ROAD BETWEEN HAGERSTOWN AND
JV4729'WELCH RUN IN REAR OF HOUSE. IT IS 13.7 FEET NW FROM THE SW
JV4729'CORNER OF SHED, 29.4 FEET N FROM THE CHIMNEY OF HOUSE, AND 19.5
JV4729'FEET S FROM FENCE CORNER. MARK 4 INCHES BELOW SURFACE.
JV4729'
JV4729'STATION, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
JV4729'BRONZE DISKS SET IN CONCRETE, AS DESCRIBED IN NOTES 1A, 7A AND 11A.
JV4729'

**JV4729'REFERENCE MARK NO.1 IS SET IN THE TOP OF A STATE BOUNDARY
MONUMENT**

JV4729'143.14 FEET N FROM THE STATION.

JV4729'
JV4729'THE AZIMUTH MARK IS LOCATED ABOUT 0.6 MILE SW FROM THE STATION
JV4729'ON THE PROPERTY OF GEORGE FAULDER. IT IS 23 PACES NNW FROM THE NW
JV4729'CORNER OF A LARGE BARN, 15 PACES N FROM CENTER LINE OF MACADAM ROAD
JV4729'NEAR GATE TO APPLE ORCHARD.
JV4729'
JV4729'TO REACH FROM THE STATION, GO S TO MACADAM ROAD. TURN RIGHT AND
JV4729'GO TO 0.7 MILE TO MARK ON N SIDE OF ROAD.
JV4729'
JV4729'TO REACH FROM MIDDLEBURG OR STATE LINE, ON U.S. 11, GO W ON STATE
JV4729'LINE ROAD FOR 2.4 MILES TO T-ROAD, TURN LEFT AND GO ABOUT 200 YARDS
JV4729'AND THEN TURN RIGHT ON DIRT ROAD AND GO 1.0 MILE TO THE STATION ON
JV4729'RIGHT SIDE OF ROAD.
JV4729'
JV4729'A 37-FOOT TOWER USED FOR 1935 OBSERVATIONS.

1 National Geodetic Survey, Retrieval Date = JANUARY 28, 2002

JW1491 *****

JW1491 DESIGNATION - WILLS RM A AMS 1968

JW1491 PID - JW1491
JW1491 STATE/COUNTY- MD/ALLEGANY
JW1491 USGS QUAD - EVITTS CREEK (1974)
JW1491
JW1491 *CURRENT SURVEY CONTROL
JW1491
JW1491* NAD 83(1991)- 39 43 21.83904(N) 078 44 34.06206(W) ADJUSTED
JW1491* NAVD 88 - 595.0 (meters) 1952. (feet) VERTCON
JW1491
JW1491 LAPLACE CORR- -4.52 (seconds) DEFLEC99
JW1491 GEOID HEIGHT- -32.62 (meters) GEOID99
JW1491

JW1491 HORZ ORDER - FIRST

JW1491

JW1491.The horizontal coordinates were established by classical geodetic methods

JW1491.and adjusted by the National Geodetic Survey in April 1998.

JW1491

JW1491.The NAVD 88 height was computed by applying the VERTCON shift value to JW1491.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JW1491

JW1491.The Laplace correction was computed from DEFLEC99 derived deflections.

JW1491

JW1491.The geoid height was determined by GEOID99.

JW1491

JW1491;		North	East	Units	Scale	Converg.
JW1491;SPC MD	-	229,671.520	250,576.077	MT	1.00005910	-1 05 37.8
JW1491;SPC MD	-	753,513.98	822,098.35	sFT	1.00005910	-1 05 37.8
JW1491;SPC PA S	-	43,715.695	514,877.930	MT	1.00003960	-0 38 38.8
JW1491;UTM 17	-	4,399,420.083	693,460.634	MT	1.00006080	+1 26 34.7

JW1491

JW1491:		Primary Azimuth Mark	Grid Az
JW1491:SPC MD	-	PITTSBURGH WASH AWY BN 10	093 13 14.1
JW1491:SPC PA S	-	PITTSBURGH WASH AWY BN 10	092 46 15.1
JW1491:UTM 17	-	PITTSBURGH WASH AWY BN 10	090 41 01.6

JW1491

JW1491	PID	Reference Object	Distance	Geod. Az
JW1491				dddmmss.s
JW1491	JW1487	PITTSBURGH WASH AWY BN 10	APPROX. 7.1 KM	0920736.3
JW1491	JW1484	WILLS	28.471 METERS	33813

JW1491

JW1491

SUPERSEDED SURVEY CONTROL

JW1491

JW1491	NAD 83(1991)-	39 43 21.83905(N)	078 44 34.06455(W)	AD() 1
JW1491	NAD 83(1986)-	39 43 21.84242(N)	078 44 34.06902(W)	AD() 1
JW1491	NAD 27	- 39 43 21.53167(N)	078 44 35.00472(W)	AD() 1
JW1491	NGVD 29	- 595.2 (m)	1953. (f)	VERT ANG

JW1491

JW1491.Superseded values are not recommended for survey control.

JW1491.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JW1491.See file dsdata.txt to determine how the superseded data were derived.

JW1491

JW1491_MARKER: DD = SURVEY DISK

JW1491_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JW1491_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JW1491+STABILITY: SURFACE MOTION

JW1491

JW1491	HISTORY	- Date	Condition	Report By
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JW1491 HISTORY - 1968 MONUMENTED DMA
JW1491 HISTORY - 1968 GOOD CGS

JW1491

JW1491 STATION DESCRIPTION

JW1491

JW1491 'DESCRIBED BY DEFENSE MAP AGENCY 1968 (WOK)

JW1491 'THE STATION IS LOCATED AT THE SITE OF TRIANGULATION STATION

JW1491 'WILLS (USC AND GS).

JW1491 'TO REACH FROM THE MARYLAND-PENNSYLVANIA STATE LINE ON U.S. HIGHWAY
JW1491 '220, ABOUT 5.5 MILES NORTH OF CUMBERLAND, MARYLAND, GO NORTHERLY ON
JW1491 'U.S. HIGHWAY 220 FOR 1.25 MILES TO A SIDE ROAD LEFT AT SIGN HAY
JW1491 'RIDES ON RIGHT. TURN LEFT ON NARROW MACADAM ROAD AND GO WEST FOR
JW1491 '0.1 MILE TO THE NORTH SIDE OF MR. BERNARD ANDERSONS HOUSE. STOP
JW1491 'AND CHECK WITH PROPERTY OWNER FOR ACCESS TO STATION. CONTINUE
JW1491 'WEST, PAST HOUSE, ON PRIVATE ROAD FOR 0.1 MILE TO A FORK. KEEP LEFT
JW1491 'AND GO 0.1 MILE TO ANOTHER FORK. TAKE RIGHT FORK AND GO WESTERLY
JW1491 'FOR 0.2 MILE TO A WOODEN GATE. PASS THROUGH GATE KEEPING LEFT ON
JW1491 'NARROW WOODS ROAD AND GO 0.6 MILE TO WHERE ROAD SPLITS THREE
JW1491 'WAYS. TAKE LEFT MOST ROAD AND GO 1.1 MILES (PASSING A CAMP
JW1491 'SITE WITH AN OPEN SHED) TO A EAST-WEST PIPELINE CLEARING. CROSS
JW1491 'THIS CLEARING TO SECOND CLEARING (SECOND PIPELINE) AND TURN
JW1491 'RIGHT FOR 0.05 MILE TO STATION SITE IN WOODS ON THE LEFT.

JW1491 '

JW1491 'THE STATION IS A CORPS OF ENGINEERS, U.S. ARMY DISK STAMPED
JW1491 'WILLS RM A 1968 ARMY MAP SERVICE, AND IS SET IN THE TOP OF A
JW1491 'SQUARE CONCRETE MONUMENT THAT IS FLUSH WITH THE SURFACE OF THE
JW1491 'GROUND. A SUB-SURFACE MARK IN A BLOCK OF CONCRETE WAS SET AND
JW1491 'STAMPED THE SAME AS THE SURFACE DISK.

JW1491 '

JW1491 'A TRAVERSE CONNECTION WAS MADE TO STATION WILLS USC AND GS,
JW1491 'DISTANCE BEING 28.470 METERS OR 93.40 FEET SOUTH.

JW1491

JW1491 STATION RECOVERY (1968)

JW1491

JW1491 'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1968 (WOK)

JW1491 'THE STATION AND REFERENCE MARKS WERE RECOVERED IN GOOD CONDITION. A
JW1491 'SATISFACTORY HORIZONTAL CHECK WAS MADE. DISTANCES TO THE REFERENCE
JW1491 'MARKS VARIED FROM THE ORIGINAL SURVEY AND WERE DOUBLE MEASURED FOR
JW1491 'CHECK ON ACCURACY. THE 1955 AZIMUTH MARK WAS DESTROYED. DUE TO
JW1491 'LIMITATIONS IN VISIBILITY BECAUSE OF TREES AND BRUSH AN AZIMUTH
JW1491 'MARK WAS NOT RE-ESTABLISHED FOR THIS STATION.

JW1491 '

JW1491 'THE ROAD USED TO REACH THIS STATION IS ON THE PROPERTY OF MR. BERNARD
JW1491 'ANDERSON. THIS ROAD IS PERSONALLY MAINTAINED BY MR. ANDERSON AND
JW1491 'HAS PREVIOUSLY BEEN RUTTED AND DAMAGED DUE TO USE IN INCLEMENT
JW1491 'WEATHER. MR. ANDERSON NOW CHARGES 5.00 DOLLARS PER TRIP FOR ACCESS
JW1491 'TO STATION SITE, UNLESS OTHER ARRANGEMENTS CAN BE MADE. A COMPLETE
JW1491 'DESCRIPTION FOLLOWS--

JW1491 '

JW1491'THE STATION IS LOCATED ON A SUMMIT OF WILLS MOUNTAIN, ABOUT 5 MILES
JW1491'NORTH-NORTHEAST OF CUMBERLAND, MARYLAND AND 6.5 MILES
JW1491'SOUTH-SOUTHWEST OF HYNDMAN, PENNSYLVANIA. IT IS 1.8 MILES WEST OF
JW1491'U.S. HIGHWAY 220 AND 1.8 MILES EAST OF PENNSYLVANIA STATE HIGHWAY
JW1491'96, ON THE MARYLAND-PENNSYLVANIA STATE LINE.

JW1491'

JW1491'TO REACH FROM THE MARYLAND-PENNSYLVANIA STATE LINE ON U.S. HIGHWAY
JW1491'220, ABOUT 5.5 MILES NORTH OF CUMBERLAND, MARYLAND, GO NORTHERLY ON
JW1491'U.S. HIGHWAY 220 FOR 1.25 MILES TO A SIDE ROAD LEFT AT SIGN HAY
JW1491'RIDES ON RIGHT. TURN LEFT ON NARROW MACADAM ROAD AND GO WEST FOR
JW1491'0.1 MILE TO THE NORTH SIDE OF MR. BERNARD ANDERSONS HOUSE. STOP
JW1491'AND CHECK WITH PROPERTY OWNER FOR ACCESS TO STATION. CONTINUE
JW1491'WEST, PAST HOUSE, ON PRIVATE ROAD FOR 0.1 MILE TO A FORK. KEEP LEFT
JW1491'AND GO 0.1 MILE TO ANOTHER FORK. TAKE RIGHT FORK AND GO WESTERLY
JW1491'FOR 0.2 MILE TO A WOODEN GATE. PASS THROUGH GATE KEEPING LEFT ON
JW1491'NARROW WOODS ROAD AND GO 0.6 MILE TO WHERE ROAD SPLITS THREE
JW1491'WAYS. TAKE LEFT MOST ROAD AND GO 1.1 MILES (PASSING A CAMP
JW1491'SITE WITH AN OPEN SHED) TO A EAST-WEST PIPELINE CLEARING. CROSS
JW1491'THIS CLEARING TO SECOND CLEARING (SECOND PIPELINE) AND TURN
JW1491'RIGHT FOR 0.05 MILE TO STATION SITE IN WOODS ON THE LEFT.

JW1491'

JW1491'THE STATION MARK IS A STANDARD DISK STAMPED WILLS 1955, CEMENTED IN
JW1491'A DRILL HOLE ATOP AN 8 INCH X 8 INCH SANDSTONE POST WHICH IS AN
JW1491'ORIGINAL MARKER FOR THE MASON-DIXON LINE. THE POST PROJECTS 2.5
JW1491'FEET AND IS ALSO THE MARYLAND-PENNSYLVANIA STATE LINE MONUMENT.
JW1491'IT IS 58 FEET SOUTH OF THE CENTERLINE OF THE EAST-WEST PIPELINE
JW1491'CLEARING, 7 FEET SOUTHEAST OF A 14 INCH ASH TREE, 7.5 FEET
JW1491'NORTHEAST OF A METAL WITNESS POST AND 19 FEET WEST OF A 12 INCH ASH
JW1491'TREE.

JW1491'

JW1491'REFERENCE MARK 1 IS STAMPED WILLS NO 1 1955 AND PROJECTS 0.3 FOOT.
JW1491'IT IS 12 FEET NORTHEAST OF THE CENTERLINE OF THE MOST SOUTHERN
JW1491'PIPELINE OF TWO, 20 FEET EAST-SOUTHEAST OF AN 8 INCH OAK TREE AND
JW1491'60 FEET SOUTH OF THE CENTERLINE OF THE NORTH MOST PIPELINE CLEARING
JW1491'OF TWO. THE MARK IS ALSO AN AMS ASTRO ECC.

JW1491'

JW1491'REFERENCE MARK 2 IS STAMPED WILLS NO 2 1955 AND PROJECTS 0.3 FOOT.
JW1491'IT IS 9.3 FEET NORTHWEST OF AN OLD TELEPHONE POLE AND 70 FEET SOUTH
JW1491'OF THE CENTERLINE OF THE NORTH MOST PIPELINE CLEARING OF TWO.

JW1491'

JW1491'A TRAVERSE TIE WAS MADE TO STATION WILLS RM A (AMS).

JW1491'

JW1491'AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--5 MILES NORTH OF
JW1491'CUMBERLAND.

JW1491'

JW1491'HEIGHT OF LIGHT ABOVE STATION MARK 70.3 FEET.

JX1874 DESIGNATION - BDRY MON GARRISON 1941 RM 2

JX1874 PID - JX1874
 JX1874 STATE/COUNTY- WV/WETZEL
 JX1874 USGS QUAD - HUNDRED (1976)
 JX1874
 JX1874 *CURRENT SURVEY CONTROL
 JX1874

JX1874* NAD 83(1995)- 39 43 16.60506(N) 080 25 16.62747(W) ADJUSTED
 JX1874* NAVD 88 - 472. (meters) 1549. (feet) SCALED
 JX1874

JX1874 LAPLACE CORR- 2.11 (seconds) DEFLEC99
 JX1874 GEOID HEIGHT- -33.08 (meters) GEOID99
 JX1874
 JX1874 HORZ ORDER - SECOND
 JX1874

JX1874.The horizontal coordinates were established by classical geodetic methods

JX1874.and adjusted by the National Geodetic Survey in April 1998.

JX1874

JX1874.The orthometric height was scaled from a topographic map.

JX1874

JX1874.The Laplace correction was computed from DEFLEC99 derived deflections.

JX1874

JX1874.The geoid height was determined by GEOID99.

JX1874

JX1874;		North	East	Units	Scale	Converg.
JX1874;SPC WV N	-	135,988.439	521,014.913	MT	0.99994212	-0 35 15.3
JX1874;SPC PA S	-	46,539.663	370,989.678	MT	1.00003992	-1 43 59.2
JX1874;UTM 17	-	4,396,982.758	549,599.318	MT	0.99963029	+0 22 11.4

JX1865 DESIGNATION - BDRY MON WV PA NEAR THOMAS

JX1865 PID - JX1865
 JX1865 STATE/COUNTY- WV/MONONGALIA
 JX1865 USGS QUAD - WADESTOWN (1976)
 JX1865
 JX1865 *CURRENT SURVEY CONTROL
 JX1865

JX1865* NAD 83(1995)- 39 43 16.43270(N) 080 20 20.60632(W) ADJUSTED
 JX1865* NAVD 88 - 439. (meters) 1440. (feet) SCALED
 JX1865

JX1865 LAPLACE CORR- 1.70 (seconds) DEFLEC99
 JX1865 GEOID HEIGHT- -33.00 (meters) GEOID99
 JX1865
 JX1865 HORZ ORDER - SECOND
 JX1865

JX1865.The horizontal coordinates were established by classical geodetic

methods

JX1865.and adjusted by the National Geodetic Survey in April 1998.

JX1865

JX1865.The orthometric height was scaled from a topographic map.

JX1865

JX1865.The Laplace correction was computed from DEFLEC99 derived deflections.

JX1865

JX1865.The geoid height was determined by GEOID99.

JX1865

JX1865;		North	East	Units	Scale	Converg.
JX1865;SPC WV N	-	135,914.055	528,064.357	MT	0.99994212	-0 32 06.5
JX1865;SPC PA S	-	46,324.395	378,036.916	MT	1.00003993	-1 40 47.1
JX1865;UTM 17	-	4,397,026.168	556,646.854	MT	0.99963950	+0 25 20.6

JX1865

SUPERSEDED SURVEY CONTROL

JX1865

JX1865 NAD 83(1986)- 39 43 16.43699(N) 080 20 20.61258(W) AD() 2

JX1865 NAD 27 - 39 43 16.14620(N) 080 20 21.34150(W) AD() 2

JX1865

JX1865.Superseded values are not recommended for survey control.

JX1865.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JX1865.See file dsdata.txt to determine how the superseded data were derived.

JX1865

JX1865_MARKER: U = CONCRETE POST

JX1865_SETTING: 0 = UNSPECIFIED SETTING

JX1865_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

JX1865

JX1865	HISTORY	- Date	Condition	Report By
JX1865	HISTORY	- 1941	MONUMENTED	CGS

JX1865

STATION DESCRIPTION

JX1865

JX1865'DESCRIBED BY COAST AND GEODETIC SURVEY 1941 (GWL)

JX1865'THE STATION IS ABOUT 7 MILES

JX1865'W OF THE SMALL

JX1865'TOWN OF BLACKSVILLE AT THE HOME OF MR. THOMAS. IT

JX1865'IS A FOOT SQUARE CONCRETE POST

JX1865'PROJECTING ABOUT 4 FEET AND LOCATED

JX1865'ABOUT 50 YARDS W OF MR. THOMAS HOUSE AND WITHIN A

JX1865'FEW FEET OF THE

JX1865'MOST WESTERLY OF HIS BARNS. IT IS 277.819 METERS OR 911.48 FEET N

JX1865'OF STATION

JX1865'THOMAS. IT IS NOW UNSTABLE.

JX1865'

JX1865'TO REACH FROM THE INTERSECTION OF PENNSYLVANIA STATE HIGHWAY 218

JX1865'AND WEST VIRGINIA

JX1865'STATE HIGHWAY 7 IN THE CENTER OF BLACKSVILLE, GO

JX1865'WESTERLY ON HIGHWAY 7 FOR 5.7 MILES

JX1865 'TO THE BRIDGE OVER DUNKARD
 JX1865 'CREEK AT THE VILLAGE OF WANA, THENCE CONTINUE STRAIGHT
 JX1865 'AHEAD 1.4
 JX1865 'MILES AND TURN RIGHT ONTO A GRADED ROAD, THENCE NORTHERLY 2.3
 JX1865 'MILES TO THE TOP OF
 JX1865 'THE RIDGE AND TURN RIGHT, THENCE ALONG THE
 JX1865 'RIDGFE 0.4 MILE TO A WARPED-CROSS
 JX1865 'CROSSROADS AND TAKE THE LEFT
 JX1865 'FORK, THENCE 0.4 MILE TO SEVERAL BARNs AND THE
 JX1865 'STATION ON THE LEFT.

JX1865 '
 JX1865 'THIS STATION WAS LOCATED BY TRAVERSE FROM STATION THOMAS.

1 National Geodetic Survey, Retrieval Date = JANUARY 28, 2002

JX1871 *****

JX1871 DESIGNATION - BOUNDARY MONUMENT WV PA 1941

JX1871 PID - JX1871
 JX1871 STATE/COUNTY- WV/WETZEL
 JX1871 USGS QUAD - HUNDRED (1976)

JX1871
 JX1871 *CURRENT SURVEY CONTROL

JX1871*	NAD 83(1995)-	39 43 16.65123(N)	080 29 10.54795(W)	ADJUSTED
JX1871*	NAVD 88 -	500. (meters)	1640. (feet)	SCALED
JX1871	LAPLACE CORR-	2.54 (seconds)		DEFLEC99
JX1871	GEOID HEIGHT-	-33.16 (meters)		GEOID99

JX1871
 JX1871 HORZ ORDER - SECOND

JX1871.The horizontal coordinates were established by classical geodetic methods
 JX1871.and adjusted by the National Geodetic Survey in April 1998.
 JX1871
 JX1871.The orthometric height was scaled from a topographic map.
 JX1871
 JX1871.The Laplace correction was computed from DEFLEC99 derived deflections.
 JX1871
 JX1871.The geoid height was determined by GEOID99.

JX1871;		North	East	Units	Scale	Converg.
JX1871;SPC WV N	-	136,049.006	515,444.357	MT	0.99994212	-0 37 44.4
JX1871;SPC PA S	-	46,711.637	365,420.902	MT	1.00003992	-1 46 31.0
JX1871;UTM 17	-	4,396,950.252	544,030.283	MT	0.99962387	+0 19 41.9

JX1870 DESIGNATION - FORDYCE

JX1870 PID - JX1870
 JX1870 STATE/COUNTY- WV/WETZEL

JX1870 USGS QUAD - HUNDRED (1976)

JX1870

JX1870 *CURRENT SURVEY CONTROL

JX1870

JX1870* NAD 83(1995)- 39 43 15.38024(N) 080 29 11.16474(W) ADJUSTED

JX1870* NAVD 88 - 501. (meters) 1644. (feet) SCALED

JX1870

JX1870 LAPLACE CORR- 2.54 (seconds) DEFLEC99

JX1870 GEOID HEIGHT- -33.16 (meters) GEOID99

JX1870

JX1870 HORZ ORDER - SECOND

JX1870

JX1870.The horizontal coordinates were established by classical geodetic methods

JX1870.and adjusted by the National Geodetic Survey in April 1998.

JX1870

JX1870.The orthometric height was scaled from a topographic map.

JX1870

JX1870.The Laplace correction was computed from DEFLEC99 derived deflections.

JX1870

JX1870.The geoid height was determined by GEOID99.

JX1870

JX1870;		North	East	Units	Scale	Converg.
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JX1870;SPC WV N	-	136,009.973	515,429.238	MT	0.99994211	-0 37 44.8
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JX1870;SPC PA S	-	46,672.910	365,405.004	MT	1.00004000	-1 46 31.4
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JX1870;UTM 17	-	4,396,910.984	544,015.824	MT	0.99962385	+0 19 41.5
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JX1870

JX1870:		Primary Azimuth Mark		Grid Az
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JX1870:SPC WV N	-	FORDYCE AZ MK		036 37 15.8
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JX1870:SPC PA S	-	FORDYCE AZ MK		037 46 02.4
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JX1870:UTM 17	-	FORDYCE AZ MK		035 39 49.5
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JX1870

JX1870	-----			
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JX1870	PID	Reference Object	Distance	Geod. Az
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JX1870				ddmmss.s
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JX1870	JX1871	BOUNDARY MONUMENT WV PA 1941	41.861 METERS	02033
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JX1870		FORDYCE AZ MK		0355931.0
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JX1870		FORDYCE RM 1	4.942 METERS	11053
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JX1870	JX1872	HUNDRED MICROWAVE TOWER	APPROX. 6.8 KM	1393501.3
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JX1870		FORDYCE RM 2	4.970 METERS	20605
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JX1870	-----			
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JX1870

JX1870 SUPERSEDED SURVEY CONTROL

JX1870

JX1870 NAD 83(1986)- 39 43 15.38535(N) 080 29 11.17259(W) AD() 2

JX1870 NAD 27 - 39 43 15.08320(N) 080 29 11.89410(W) AD() 2

JX1870

JX1870.Superseded values are not recommended for survey control.

JX1870.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
JX1870.See file dsdata.txt to determine how the superseded data were derived.

JX1870

JX1870_MARKER: DS = TRIANGULATION STATION DISK

JX1870_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JX1870

JX1870	HISTORY	- Date	Condition	Report By
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JX1870	HISTORY	- 1941	MONUMENTED	CGS
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JX1870	HISTORY	- 1963	GOOD	CGS
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JX1870

JX1870 STATION DESCRIPTION

JX1870

JX1870'DESCRIBED BY COAST AND GEODETIC SURVEY 1941 (GWL)

JX1870'THE STATION IS

JX1870'LOCATED ABOUT 5

JX1870'MILES W BY S OF THE VILLAGE OF GARRISON. IT IS

JX1870'ON THE HIGHEST POINT OF A PASTURE

JX1870'KNOLL OWNED BY J.A. FORDYCE

JX1870'WHO LIVES 0.05 MILE W OF THE STATION. IT IS 145

JX1870'FEET S OF A

JX1870'FENCE LINE WHICH IS THE WEST VIRGINIA-PENNSYLVANIA STATE LINE.

JX1870'IT IS STAMPED

JX1870'FORDYCE 1941 AND PROJECTS 4 INCHES.

JX1870'

JX1870'SURFACE, UNDERGROUND, AND REFERENCE MARKS ARE STANDARD BRONZE

JX1870'DISKS SET IN CONCRETE.

JX1870'

JX1870'REFERENCE MARK NO. 1 IS STAMPED FORDYCE NO. 1 1941 AND PROJECTS

JX1870'6 INCHES.

JX1870'

JX1870'REFERENCE MARK NO. 2 IS STAMPED FORDYCE NO. 2 1941 AND PROJECTS

JX1870'6 INCHES.

JX1870'

JX1870'THE AZIMUTH MARK IS 130 FEET E OF A ROAD FORK, 10 FEET N OF

JX1870'THE CENTER OF THE

JX1870'ROAD. IT IS A STANDARD COAST AND GEODETIC SURVEY

JX1870'AZIMUTH MARK DISK SET FLUSH IN THE

JX1870'TOP AND W END OF A 1- BY 5-FOOT

JX1870'CONCRETE CULVERT HEAD ON THE N SIDE OF THE ROAD AND

JX1870'IS STAMPED FORDYCE 1941.

JX1870'

JX1870'A TRAVERSE CONNECTION WAS MADE AND THE DIRECTION OBSERVED TO

JX1870'A WEST VIRGINIA

JX1870'PENNSYLVANIA BOUNDARY MONUMENT. IT IS A SANDSTONE

JX1870'POST 12 INCHES SQUARE WITH A

JX1870'PYRAMIDAL TOP HAVING A 4-INCH SQUARE

**JX1870'TOP AND PROJECTING 2 FEET. INCISED ON THE S
JX1870'SIDE OF THE MONUMENT
JX1870'ARE THE LETTERS W V, ON THE N SIDE P AND ON THE W SIDE THE
JX1870'NUMERALS 1883.**

JX1870'

JX1870'TO REACH THE STATION FROM THE POST OFFICE IN GARRISON, GO

JX1870'WESTERLY ON A

JX1870'MACADAM ROAD FOR 0.7 MILE TO A SIDE ROAD RIGHT, TURN

JX1870'LEFT AND GO 0.6 MILE TO A FORKS,

JX1870'TAKE THE RIGHT FORK AND FOLLOW FOR

JX1870'1.3 MILES TO A FORKS. FOLLOW THE LEFT FORK FOR 0.9

JX1870'MILE TO A CROSS

JX1870'ROAD, CONTINUE STRAIGHT AHEAD FOR 0.3 MILE TO A FORKS (THE AZIMUTH

JX1870'MARK IS 130 FEET E

JX1870'OF THIS ROAD FORK) TAKE THE LEFT FORK AND GO

JX1870'0.75 MILE TO A T ROAD LEFT TURN LEFT

JX1870'AND GO 0.25 MILE TO THE J.A.

JX1870'FORDYCE FARMHOUSE AND THE END OF TRUCK TRAVEL. FROM

JX1870'HERE PROCEED

JX1870'ON FOOT EASTERLY FOR ABOUT 0.05 MILE TO THE HIGHEST POINT OF THE

JX1870'HILL AND THE STATION.

JX1870

JX1870

STATION RECOVERY (1963)

JX1870

JX1870'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1963 (VBM)

JX1870'THE STATION, AND ALL MARKS WAS RECOVERED AND FOUND IN GOOD CONDITION.

JX1870'THE DISTANCE TO REFERENCE MARKS

JX1870'1, 2 AND THE AZIMUTH MARK CHECKED. THE DISTANCE TO THE BOUNDARY

JX1870'MONUMENT DID NOT CHECK BY 0.143 METERS

JX1870'AND 0.47 FEET. THE DIRECTION TO THE BOUNDARY MONUMENT

JX1870'DID NOT CHECK BY 25.3 SECONDS. THE DIRECTION TO

JX1870'REFERENCE MARK 2 DID NOT CHECK

JX1870'BY 3 MINUTES AND 06 SECONDS. THE DIRECTION TO REFERENCE MARK 1 AND

JX1870'THE AZIMUTH MARK CHECKED. THE

JX1870'DESCRPTIONS ARE ADEQUATE.

JX1870'

JX1870'HEIGHT OF LIGHT ABOVE STATION MARK 1 METERS.

1 National Geodetic Survey, Retrieval Date = JANUARY 28, 2002

JX1873 *****

JW1242 DESIGNATION - MAUST

JW1242 PID - JW1242

JW1242 STATE/COUNTY- PA/SOMERSET

JW1242 USGS QUAD - AVILTON (1981)

JW1242

JW1242

*CURRENT SURVEY CONTROL

JW1242

JW1242* NAD 83(1995)- 39 43 20.37851(N) 079 05 44.04129(W) ADJUSTED
JW1242* NAVD 88 - 752.7 (meters) 2469. (feet) VERTCON

JW1242 LAPLACE CORR- -2.13 (seconds) DEFLEC99
JW1242 GEOID HEIGHT- -31.62 (meters) GEOID99
JW1242
JW1242 HORZ ORDER - SECOND
JW1242

JW1242.The horizontal coordinates were established by classical geodetic methods

JW1242.and adjusted by the National Geodetic Survey in April 1998.

JW1242
JW1242.The NAVD 88 height was computed by applying the VERTCON shift value to JW1242.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JW1242
JW1242.The Laplace correction was computed from DEFLEC99 derived deflections.

JW1242
JW1242.The geoid height was determined by GEOID99.

JW1242

JW1242;		North	East	Units	Scale	Converg.
JW1242;SPC PA S	-	44,071.095	484,632.667	MT	1.00003969	-0 52 22.8
JW1242;SPC MD	-	230,262.345	220,333.909	MT	1.00005900	-1 18 54.9
JW1242;SPC MD	-	755,452.38	722,878.83	sFT	1.00005900	-1 18 54.9
JW1242;UTM 17	-	4,398,672.943	663,223.937	MT	0.99992801	+1 13 02.4

JW1242

JW1242:		Primary Azimuth Mark	Grid Az
JW1242:SPC PA S	-	MAUST AZ MK	038 50 55.9
JW1242:SPC MD	-	MAUST AZ MK	039 17 28.0
JW1242:UTM 17	-	MAUST AZ MK	036 45 30.7

JX1871 DESIGNATION - BOUNDARY MONUMENT WV PA 1941

JX1871 PID - JX1871
JX1871 STATE/COUNTY- WV/WETZEL
JX1871 USGS QUAD - HUNDRED (1976)
JX1871
JX1871 *CURRENT SURVEY CONTROL

JX1871* NAD 83(1995)- 39 43 16.65123(N) 080 29 10.54795(W) ADJUSTED
JX1871* NAVD 88 - 500. (meters) 1640. (feet) SCALED

JX1871 LAPLACE CORR- 2.54 (seconds) DEFLEC99
JX1871 GEOID HEIGHT- -33.16 (meters) GEOID99
JX1871
JX1871 HORZ ORDER - SECOND
JX1871

JX1871.The horizontal coordinates were established by classical geodetic

methods

JX1871.and adjusted by the National Geodetic Survey in April 1998.

JX1871

JX1871.The orthometric height was scaled from a topographic map.

JX1871

JX1871.The Laplace correction was computed from DEFLEC99 derived deflections.

JX1871

JX1871.The geoid height was determined by GEOID99.

JX1871

JX1871;		North	East	Units	Scale	Converg.
JX1871;SPC WV N	-	136,049.006	515,444.357	MT	0.99994212	-0 37 44.4
JX1871;SPC PA S	-	46,711.637	365,420.902	MT	1.00003992	-1 46 31.0
JX1871;UTM 17	-	4,396,950.252	544,030.283	MT	0.99962387	+0 19 41.9

JX1871