12/4/12 DATASHEETS

The NGS Data Sheet

See file ds data.txt for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.00
       National Geodetic Survey, Retrieval Date = DECEMBER 4, 2012
HE0689 DESIGNATION - KINNE
HE0689 PID
                - HE0689
HE0689 STATE/COUNTY- KS/NEOSHO
HE0689 COUNTRY - US
HE0689 USGS QUAD - SHAW (1973)
HE0689
                            *CURRENT SURVEY CONTROL
HE0689
HE0689
HE0689* NAD 83(1997) POSITION- 37 36 15.78151(N) 095 16 13.13856(W)
                                                               ADJUSTED
HE0689* NAVD 88 ORTHO HEIGHT - 306.74 (+/-2cm) 1006.4 (feet) VERTCON
HE0689
                             -30.82 (meters)
HE0689 GEOID HEIGHT -
                                                               GEOID12A
HE0689 LAPLACE CORR
                               -0.73 (seconds)
                                                               DEFLEC12A
HE0689 HORZ ORDER
                     - FIRST
HE0689 VERT ORDER
                     - THIRD ? (See Below)
HE0689
HE0689. The horizontal coordinates were established by classical geodetic methods
HE0689.and adjusted by the National Geodetic Survey in October 1998.
HE0689.
HE0689. The NAVD 88 height was computed by applying the VERTCON shift value to
HE0689.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
HE0689. The vertical order pertains to the NGVD 29 superseded value.
HE0689. The Laplace correction was computed from DEFLEC12A derived deflections.
HE0689. The following values were computed from the NAD 83(1997) position.
HE0689
HE0689;
                        North
                                     East Units Scale Factor Converg.
HE0689; SPC KS S
                 - 509,010.854 685,117.130 MT 0.99995078
                                                             +1 59 05.0
HE0689; SPC KS S
                  - 1,669,979.78 2,247,755.12 sFT 0.99995078
                                                              +1 59 05.0
HE0689;UTM 15
                  - 4,164,345.608 299,592.739 MT 1.00009473 -1 23 09.0
HE0689
                  - Elev Factor x Scale Factor =
HE0689!
                                                  Combined Factor
HE0689!SPC KS S
                     0.99995670 \times 0.99995078 =
                                                  0.99990749
HE0689!UTM 15
                  - 0.99995670 x 1.00009473 = 1.00005143
HE0689
HE0689:
                     Primary Azimuth Mark
                                                          Grid Az
                                                          085 43 51.7
HE0689:SPC KS S
                  - KINNE AZ MK 2
HE0689:UTM 15
                  - KINNE AZ MK 2
                                                          089 06 05.7
HE0689
HE0689|-----
HE0689 | PID Reference Object
                                                           Geod. Az
                                               Distance
HE06891
                                                           dddmmss.s |
HE0689| CL4667 KINNE RM 1
                                               23.058 METERS 03133
HE0689| CL4666 KINNE AZ MK 2
                                                            0874256.7
HE0689| CL4665 KINNE AZ MK
                                                            1011529.3
HE0689 | HE0685 ERIE MUNICIPAL TANK
                                             APPROX. 5.1 KM 1445016.9 |
HE0689| CL4668 KINNE RM 2
                                               26.185 METERS 15353
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HE0689| HE0695 CHANUTE KAN HWY COMM RAD MAST
                                                  APPROX.17.9 KM 2921935.5 |
HE0689| HE0702 CHANUTE S MUNICIPAL TANK
                                                  APPROX.18.9 KM 2943203.9 |
HE0689| HE0697 CHANUTE N MUNICIPAL TANK
                                                  APPROX.19.3 KM 2980849.3 |
HE0689| HE0699 CHANUTE GENERAL COM RADIO MAST
                                                 APPROX.17.8 KM 2990749.9 |
HE0689| HE0698 CHANUTE ASH GROVE CEMENT W STK
                                                  APPROX.19.9 KM 3012131.1 |
                                                  APPROX.19.7 KM 3021523.5 |
HE0689| HE0696 CHANUTE ASH GROVE CEMENT E STK
HE0689| HE0694 CHANUTE CABLE TV MAST
                                                   APPROX.15.2 KM 3054310.8 |
HE0689|------
HE0689
HE0689
                                SUPERSEDED SURVEY CONTROL
HE0689
HE0689 NAD 83(1993) - 37 36 15.78612(N) 095 16 13.13846(W) AD(
HE0689 NAD 83(1986) - 37 36 15.79092(N) 095 16 13.12732(W) AD(
HE0689 NAD 27 - 37 36 15.61279(N) 095 16 12.19534(W) AD(
HE0689 NGVD 29 (07/19/86) 306.61 (m)
                                                 1005.9
                                                        (f) LEVELING 3
HE0689. Superseded values are not recommended for survey control.
HE0689
HE0689.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
HE0689. See file dsdata.txt to determine how the superseded data were derived.
HE0689 U.S. NATIONAL GRID SPATIAL ADDRESS: 15STB9959264345 (NAD 83)
HE0689 MARKER: DS = TRIANGULATION STATION DISK
HE0689 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
HE0689 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
HE0689+SATELLITE: SATELLITE OBSERVATIONS - July 21, 2011
HE0689
HE0689 HISTORY - Date Condition
HE0689 HISTORY - 1940 MONUMENTED
                                                Report By
                             MONUMENTED
                                                CGS
HE0689 HISTORY - 1966 GOOD

HE0689 HISTORY - 20100401 GOOD
                                                CGS
                                                CGS
                                                KSDT
HE0689 HISTORY
                   - 20100401 GOOD
                                                KSDT
HE0689 HISTORY - 20110721 GOOD
                                                KSDT
HE0689
HE0689
                                STATION DESCRIPTION
HE0689
HE0689'DESCRIBED BY COAST AND GEODETIC SURVEY 1940 (KBJ)
HE0689'STATION IS 3 MILES NNW OF ERIE, 2.5 MILES E OF SHAW, ON THE
HE0689'W SIDE OF A COUNTY ROAD ON A PROMINENT PRAIRIE HILL IN THE SE 1/4
HE0689'OF SECTION 13, T 28 S, R 17 E. STATION MARK IS ON HIGHEST
HE0689'POINT OF HILL JUST SE OF AN OLD FARMHOUSE, 59 FEET SE OF SE
HE0689'CORNER OF THE HOUSE, 20 FEET W OF CENTER LINE OF COUNTY ROAD,
HE0689'65 FEET N OF FENCE CORNER, 6 INCHES E OF FENCE LINE, IS STAMPED
HE0689'KINNE 1940, AND FLUSH WITH THE SURFACE.
HE0689'SURFACE, UNDERGROUND AND REFERENCE MARKS ARE STANDARD BRONZE
HE0689'DISKS SET IN CONCRETE.
HE0689'REFERENCE MARK NO. 1 IS NE OF THE STATION ACROSS COUNTY ROAD,
HE0689'19 FEET E OF CENTER LINE OF ROAD, 1 FOOT W OF RIGHT-OF-WAY
HE0689'FENCE LINE, OPPOSITE YARD GATE, IS STAMPED KINNE NO. 1 1940,
HE0689'AND PROJECTS 6 INCHES.
HE0689'
HE0689'REFERENCE MARK NO. 2 IS SSE OF THE STATION ACROSS ROAD, 19 FEET
HE0689'E OF THE CENTER OF ROAD, 1 FOOT W OF RIGHT-OF-WAY FENCE, IS
HE0689'STAMPED KINNE NO. 2 1940, AND PROJECTS 8 INCHES.
HE0689'AZIMUTH MARK IS E BY S OF THE STATION, IN THE SE ANGLE OF
HE0689'A CROSSROADS INTERSECTION, 21-1/2 FEET S OF THE CENTER LINE
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www.ngs.noaa.gov/cgi-bin/ds_desig.prl

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DATASHEETS HE0689'OF U.S. HIGHWAY 59, 12 FEET E OF THE CENTER LINE OF N-S COUNTY HE0689'ROAD. MARK IS A STANDARD AZIMUTH DISK SET IN A DRILL HOLE IN THE HE0689'NE WING WALL ON THE E END OF A CONCRETE CULVERT, AND IS HE0689'STAMPED KINNE 1940. HE0689'TO REACH THE STATION FROM SHAW (RAILROAD DEPOT) GO E ON U.S. HE0689'HIGHWAY 59 FOR 2.55 MILES AND TURN LEFT, (N) ON GRAVEL ROAD. HE0689'(TO REACH THE AZIMUTH MARK CONTINUE E ON HIGHWAY 59 FOR 1.0 HE0689'MILE), GO 0.2 MILE N ON GRAVEL ROAD TO TOP OF HILL AND STATION. HE0689'HEIGHT OF LIGHT ABOVE STATION MARK - 22 METERS. HE0689 HE0689 STATION RECOVERY (1965) HE0689 HE0689'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1965 (JCC) HE0689'THE STATION, REFERENCE MARKS 1 AND 2 WERE RECOVERED. THE HE0689'AZIMUTH MARK WAS NOT RECOVERED. THE ERIE MUNICIPAL WATER TANK HE0689'IS NO LONGER VISIBLE FROM THE GROUND. A NEW AZIMUTH MARK WAS HE0689'ESTABLISHED. FOLLOWING IS A COMPLETE NEW DESCRIPTION. HE0689' HE0689'THE STATION IS ABOUT 3 MILES NORTH-NORTHWEST OF ERIE, 2-1/2 HE0689'MILES EAST OF SHAW, ON THE WEST RIGHT-OF-WAY OF A COUNTY ROAD HE0689'AND ADJACENT TO PROPERTY OWNED BY KENNITH KINNE. HE0689'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 59 HE0689'AND STATE HIGHWAY 108 AT THE WEST EDGE OF ERIE, GO NORTH HE0689'ON HIGHWAY 59 FOR 2.0 MILES TO A CROSSROAD AT A ROAD SIDE HE0689'PARK, (THE AZIMUTH MARK IS 0.25 MILE NORTH OF THIS POINT ON HE0689'THE WEST RIGHT-OF-WAY OF HIGHWAY 59.) TURN LEFT AND GO WEST HE0689'FOR 1.0 MILE TO A CROSSROAD. TURN RIGHT AND GO NORTH FOR HE0689'0.2 MILE TO THE STATION ON THE LEFT. HE0689' HE0689'THE STATION MARK IS A STANDARD DISK, STAMPED KINNE 1940, SET HE0689'IN THE TOP OF A 14-INCH SQUARE CONCRETE POST FLUSH WITH THE HE0689'GROUND. IT IS ABOUT 6 INCHES EAST OF THE YARD FENCE, 22.5 HE0689'FEET WEST OF THE CENTERLINE OF THE ROAD, 53.8 FEET NORTH OF A

HE0689'NORTH GATE POST AND 60.2 FEET SOUTHEAST OF THE SOUTHEAST HE0689'CORNER OF THE HOUSE.

HE0689'

HE0689'REFERENCE MARK 1 IS A STANDARD DISK, STAMPED KINNE NO 1 1940, SET HE0689'IN THE TOP OF A 12-INCH SQUARE CONCRETE POST PROJECTING HE0689'6 INCHES. IT IS 1 FOOT WEST OF AN EAST RIGHT-OF-WAY FENCE, HE0689'18.5 FEET EAST OF THE CENTERLINE OF THE ROAD, 81.0 FEET EAST HE0689'OF THE NORTHEAST CORNER OF THE HOUSE AND AT ABOUT THE SAME HE0689'ELEVATION AS THE STATION.

HE0689'

HE0689'REFERENCE MARK 2 IS A STANDARD DISK, STAMPED KINNE NO 2 1940, HE0689'SET IN THE TOP OF A 12-INCH SQUARE CONCRETE POST PROJECTING HE0689'4 INCHES. IT IS 1.0 FEET WEST OF THE FENCE, 18.1 FEET EAST HE0689'OF THE CENTERLINE OF THE ROAD AND ABOUT 3 FEET LOWER IN HE0689'ELEVATION THAN THE STATION.

HE0689'THE AZIMUTH MARK IS A STANDARD DISK, STAMPED KINNE 1940 RESET HE0689'1964, SET IN THE TOP OF A 12 INCH SQUARE CONCRETE POST PROJECTING HE0689'4 INCHES. IT IS 74.2 FEET WEST AND ABOUT 4 FEET LOWER THAN HE0689'THE CENTERLINE OF HIGHWAY 59, 88.5 FEET SOUTH OF A WEST GATE HE0689'POST, 2 FEET NORTH-NORTHEAST OF A WITNESS POST AND 1.0 FOOT HE0689'EAST OF A WEST RIGHT-OF-WAY FENCE.

HE0689'HEIGHT OF LIGHT ABOVE STATION MARK 23 METERS.

HE0689

DATASHEETS 12/4/12

HE0689 STATION RECOVERY (1966) HE0689 HE0689'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1966 (JC) HE0689'THE STATION MARK, REFERENCE MARKS 1 AND 2 AND THE AZIMUTH MARK HE0689'WERE RECOVERED AS DESCRIBED IN 1965 BY JOHN C. CHILDS. HE0689' HE0689'EARLTON 1965 AND BM D 246 REQUIRE A 64 FOOT TOWER. HE0689' HE0689'ALL OTHER OBJECTS VISIBLE AT 30 FEET. HE0689 HE0689 STATION RECOVERY (2010) HE0689 HE0689'RECOVERY NOTE BY KANSAS DEPARTMENT OF TRANSPORTATION 2010 (KLH) HE0689'RECOVERED IN GOOD CONDITION. HE0689 HE0689 STATION RECOVERY (2010) HE0689 HE0689'RECOVERY NOTE BY KANSAS DEPARTMENT OF TRANSPORTATION 2010 (BLS) HE0689'RECOVERED IN GOOD CONDITION. HE0689 HE0689 STATION RECOVERY (2011) HE0689 HE0689'RECOVERY NOTE BY KANSAS DEPARTMENT OF TRANSPORTATION 2011 (KRH) HE0689'STATION, RM1, RM2, AND AZIMUTH MARK ALL FOUND IN GOOD CONDITION.

*** retrieval complete.

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