

# Floyd County

## Benchmark Publication

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

USC&GS BM W 285, 1954

In Floyd County, New Albany Quad., in the NE ½ of Clark Military Grant # 28; at New Albany; near the intersection of 15th Street and Oak Street; set in the top at the northeast end of the northwest projection of a foundation for a two-story concrete block house, 195 feet northwest of the centerline of Oak Street, 35 feet southwest of the centerline of 15<sup>th</sup> Street, 2.9 feet southwest of the northeast end of the foundation, 1.3 feet above the ground; a U. S. Coast and Geodetic Survey bronze bench mark tablet, stamped "W 285 1954".

459.815 feet N.G.V.D. 1929

459.340 feet N.A.V.D. 1988

USC&GS NEW ALBANY 1935

In Floyd County, New Albany Quad., in the SE ¼ of Clark Military Grant # 28; at New Albany; at the intersection of Vincennes Street and East Market Street; set vertically at the northwest end of the northeast side of a brick building, in the southwest ¼ of the intersection, 51 feet southeast of the centerline of East Market Street, 39 feet southwest of the centerline of Vincennes Street, 9.1 feet southeast of the north corner of the building, 3.7 feet above the sidewalk; a US Coast and Geodetic Survey bronze tablet, stamped "New Albany 1935".

464.723 feet N.G.V.D. 1929

464.251 N.A.V.D. 1988

IFC & WRC TBM SC 1, 1964

In Floyd County, New Albany Quad., in the SE ¼ of Clark Military Grant # 29; at New Albany; at the intersection of East Market Street and Beharrell Avenue; set in the southeast side of a 36-inch Maple tree, 53.6 feet northeast of the centerline of Beharrell Avenue, 22.5 feet northwest of the centerline of East Market Street, 0.7 foot above the ground; a railroad spike driven through an aluminum tag, stamped "TBM SC 1 1964".

451.024 feet N.G.V.D. 1929

450.549 N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IFC & WRC BM FLO 2, 1964

In Floyd County, New Albany Quad., in the West ½ of Clark Military Grant # 1; at New Albany; at the Baltimore and Ohio Railroad three-span bridge over Silver Creek; set in the top at the south end of the west bridge seat, 6.5 feet south of the south rail of the tracks, 1.1 feet west of the east face of the bridge seat, 1.0 foot north of the south face of the bridge seat, 4.5 feet below the railway; a Indiana Flood Control and Water Resources Commission bronze bench mark tablet, stamped "FLO 2 1964".

444.434 feet N.G.V.D. 1929

443.957 feet N.A.V.D. 1988

IFC & WRC BM FLO 1, 1964

In Floyd County, New Albany Quad., in the West ½ of Clark Military Grant # 1; at New Albany; at the Pennsylvania (Conrail) Railroad three-span bridge over Silver Creek; set in the top of the southwest wingwall of the bridge, 8.0 feet west of the east end of the wingwall, 7.5 feet south of the south rail of the tracks, 1.2 feet below the railway, 0.8 foot north of the south face of the wingwall; a Indiana Flood Control and Water Resources Commission bronze bench mark tablet, stamped "FLO 1 1964".

442.816 feet N.G.V.D. 1929

442.339 feet N.A.V.D. 1988

ISHC BM FLOYD S 7

In Floyd County, New Albany Quad., in the SE ¼ of Clark Military Grant # 29; at New Albany; at the Old St. Rd. 62 seven-span dual-lane bridge over Silver Creek; set in the top at the southwest end of the northeast sidewalk of the bridge, 17.5 feet northwest of the centerline of the southwest bound lane, 7.4 feet northeast of the southwest end of the bridge, 2.2 feet northwest of the southeast face of the sidewalk, 0.8 foot above the highway; a Indiana State Highway Commission bronze bench mark tabled, stamped "FLOYD S 7".

465.160 feet N.G.V.D. 1929

464.681 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IFC & WRC TBM SC 2

In Floyd County, New Albany Quad., in the North ½ of Clark Military Grant # 29; at New Albany; 0.75 mile north-northwest and then generally northeast along Slate Run Road from its intersection with State Road 62 in New Albany to a six-foot bridge over a small creek; set in the top of the southeast concrete wingwall of the bridge, 13.0 feet east of the centerline of the road, 4.4 feet south of the south end of the concrete guardrail of the bridge, 0.5 foot below the road, 0.5 foot west of the east face of the wingwall; a chiseled triangle.

450.115 feet N.G.V.D. 1929

449.633 feet N.A.V.D. 1988

IFC & WRC BM FLO 3, 1964

In Floyd County, New Albany Quad., in Clark Military Grant # 44; at New Albany; about 0.6 mile generally northeast along Old Ford Road from its "T" road intersection with Slate Run Road to an eight-foot bridge over a small stream; set in the top at the center of the east headwall, 8.5 feet east of the centerline of the road, 6.0 feet north of the south end of the headwall, 0.5 foot west of the east face of the headwall, 1.0 foot below the road; a Indiana Flood Control and Water Resources Commission bronze bench mark tablet, stamped "FLO 3 1964".

423.405 feet N.G.V.D. 1929

422.924 feet N.A.V.D. 1988

IFC 7 WRC TBM SC 3, 1964

In Floyd County, New Albany Quad., in Clark Military Grant # 44; at New Albany; about 0.6 mile generally northeast along Old Ford Road from its "T" road intersection with Slate Run Road to an eight-foot bridge over a small stream; set in the north side of a 20-inch Ash tree, 59.0 feet east of the centerline of the road, 58.5 feet east-northeast of the northeast corner of the bridge, 12.0 feet northeast of the northeast face of a concrete exhaust valve housing, 1.0 foot above the ground; a railroad spike driven through an aluminum tag, stamped "TBM SC 3 1964".

424.982 feet N.G.V.D. 1929

424.501 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IFC & WRC TBM SC 4

In Floyd County, New Albany Quad., in Clark Military Grant # 44; at New Albany; about 0.2 mile north-northeast along Charlestown Road from its "Y" intersection with Slate Run at the Graceland Baptist Church; set in the top at the northwest corner of a concrete manhole cover base, 114 feet north of the northwest corner of the church building, 26.5 feet east-southeast of the centerline of the highway, 15.5 feet north of a telephone pole, 0.5 foot south of the north face of the base, 0.5 foot east of the west face of the base, about level with the highway; a chiseled triangle.

464.688 feet N.G.V.D. 1929

464.206 feet N.A.V.D. 1988

USGS BM TT 38 D, 1937

In Floyd County, New Albany Quad., in the SE ½ of Clark Military Grant, # 63; at Blackiston Mill; at the intersection of State Road 311 (Charlestown Road), Payne Kahler Road, and Blackiston Mill Road; set in the top of a concrete post, 44.0 feet northwest of Payne Kahler Road, 33.5 feet east of the centerline of State Road 311 (Charlestown Road), 9.0 feet north of the extended centerline of Blackiston Mill Road, about level with the road; a U. S. Geological Survey bronze bench mark tablet, stamped "TT 38 D 1937 446".

446.189 feet N.G.V.D. 1929

445.707 feet N.A.V.D. 1988

IFC & WRC BM FLO 4, 1964

In Floyd County, New Albany Quad., in the West ½ of Clark Military Grant # 63; about 0.1 mile east of Blackiston Mill; at the Blackiston Mill Road two-span concrete beam bridge over Silver Creek; set in the top at the northwest end of the southwest wheelguard of the bridge, 12.0 feet west of the centerline of the road, 1.2 feet southeast of the northwest end of the wheelguard, 0.8 foot above the road, 0.4 foot northwest of the southeast face of the wheelguard; a Indiana Flood Control and Water Resources Commission bronze bench mark tablet, stamped "FLO 4 1964".

442.013 feet N.G.V.D. 1929

441.531 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

USC&GS BM E 278, 1949

In Floyd County, New Albany Quad., in the SE ¼ of Section 2, T. 2 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.5 mile east of Bald Knob, and 2.0 miles northwest of Blackiston Mill; about 0.15 mile west along Durgee Road from its intersection with State Road 111 and Kamer Miller Road to its intersection with the Louisville and Nashville railroad, in the northwest ¼ of the intersection, in a private gravel drive leading north; set in top of a concrete post, 42 feet west of the west most rail of the railroad tracks, 25.5 feet northeast of a power pole, 18 feet north of the centerline of Durgee Road, about flush with the gravel drive; a U. S. Coast and Geodetic Survey bronze benchmark tablet, stamped "E 278 1940".

*NOTE: The elevation of this mark has been adjusted from the published NGS elevation!*

165.940 meters N.G.V.D. 1929

544.421 feet N.G.V.D. 1929

165.802 meters N.A.V.D. 1988

543.968 feet N.A.V.D. 1988

USC&GS BM A 122, 1940

In Floyd County, New Albany Quad., in the SE ¼ of Section 11, T. 2 S., R. 6 E., 2<sup>nd</sup> P.M.; about 1.6 miles northwest of Blackiston Mill, and about 0.7 mile southeast of Bald Knob; at the intersection of Bald Knob Road and the Louisville and Nashville Railroad tracks; set in the top of the north end of the east headwall of a six-foot concrete and stone culvert, 125 feet north of the centerline of Bald Knob Road, 7.5 feet east of the east most rail of railroad tracks, about 2.5 feet below the rails, 1.2 feet south of the north face of the east concrete headwall, 0.6 foot west of the east face of the headwall, about flush with the top of the concrete headwall; a U. S. Coast and Geodetic Survey bronze benchmark tablet, stamped "A 122 1940".

163.912 meters N.G.V.D. 1929

537.768 feet N.G.V.D. 1929

163.774 meters N.A.V.D. 1988

537.315 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR TBM SLATE RUN 2, 2000

In Floyd County, New Albany Quad., in the SW ¼ of Section 14, T. 2 S., R. 6 E., 2<sup>nd</sup> P.M.; about 1.5 miles west of Blackiston Mill; about 0.4 miles south and west along Hausfeldt Lane from its intersection with State Road 111 (Grant Line Road) to the northwest ¼ of the intersection of Hausfeldt Lane and Parkeast Boulevard; set on top of the north most flange bolt of a fire hydrant, 50 feet north of a "STOP" sign post, 27 feet west of the centerline of Parkeast Boulevard, 22 feet southwest of a mail drop box, about 2.1 feet above the ground; two filed notches.

152.647 meters N.G.V.D. 1929

500.808 feet N.G.V.D. 1929

152.507 meters N.A.V.D. 1988

500.350 feet N.A.V.D. 1988

IDOT BM 22 S 23

In Floyd County, New Albany Quad., in Clark Military Grant # 63; at New Albany; at the State Road 111 (Grant Line Road) bridge over Interstate 265; set on top of the north end of the east concrete guardrail, 25 feet east of the centerline of the north bound lanes of State Road 111, 13.2 feet south of the north end of the concrete guardrail, 23 feet southwest of a steel "EXIT" sign post, 7.4 feet north of a expansion joint, about 2.8 feet above the road; a State Highway Commission of Indiana bench mark tablet, stamped "22 S 23".

157.230 meters N.G.V.D. 1929

515.846 feet N.G.V.D. 1929

157.090 meters N.A.V.D. 1988

515.386 feet N.A.V.D. 1988

DNR BM SLATE RUN AZI 2000

In Floyd County, New Albany Quad., in Clark Military Grant # 63; at New Albany; at the State Road 111 (Grant Line Road) bridge over Interstate 265; set in the southeast corner of the concrete bridge deck, 21 feet east of the centerline of the north bound lanes of State Road 111, 77.5 feet northwest of a power pole, 37.1 feet northwest of power pole # IPH 480 V, 15.2 feet south of a expansion joint, 3.1 feet west of the south end of the concrete guardrail, level with the road; a Indiana Department of Natural Resources control station tablet, stamped "SLATE RUN AZI 2000".

154.383 meters N.G.V.D. 1929

506.504 feet N.G.V.D. 1929

154.242 meters N.A.V.D. 1988

506.043 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR BM SLATE RUN 1, 2000

In Floyd County, New Albany Quad., in Clark Military Grant # 63; at New Albany; at the State Road 111 (Grant Line Road) bridge over Interstate 265; set on top of the southeast corner of the concrete base for the "I 265 EAST" sign post; about 685 feet south of the south end of the State Road 111 (Grant Line Road) bridge over Interstate 265, 35 feet east of the centerline of the north bound lanes of State Road 111, 55.4 feet south of the north end of the east aluminum guardrail, 10.3 feet southwest of the center of a steel cover for a utility manhole, 7.9 feet east of the east face of the aluminum guardrail, 2.6 feet southeast of a steel sign post, 0.5 feet west of the east face of the concrete base, 0.55 feet north of the south face of the concrete base, about flush with the top of the concrete base; a Indiana Department of Natural Resources control station tablet, stamped "SLATE RUN 1 2000".

150.020 meters N.G.V.D. 1929

492.192 feet N.G.V.D. 1929

149.880 meters N.A.V.D. 1988

491.730 feet N.A.V.D. 1988

DNR TBM SLATE RUN 3, 2000

In Floyd County, New Albany Quad., in Clark Military Grant # 62; at New Albany; at the intersection of State Road 111 (Grant Line Road) and the Louisville and Nashville railroad and Pillsbury Lane, in the northeast ¼ of the intersection; set in the top of the southwest bolt for the railroad signal light, about 90 feet southeast of the centerline of the intersection of State Road 111 and the railroad tracks, 50.1 feet southwest of the southwest most corner of a brick building for a strip mall at "GAS LINE STATION", 22.5 feet southeast of the southeast corner of a silver metal railroad shed, 10.1 feet northeast of the northeast most rail of the tracks; two filed notches.

150.155 meters N.G.V.D. 1929

492.633 feet N.G.V.D. 1929

150.013 meters N.A.V.D. 1988

492.168 feet N.A.V.D. 1988



INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

USC&GS BM 315.7, 1940

In Floyd County, New Albany Quad., in Clark Military Grant # 43; at New Albany; about 0.2 miles southeast along Beechwood Avenue from its "T" road intersection with State Road 111 to its intersection with Park Avenue, thence north along Park Avenue to its intersection with the Louisville and Nashville railroad tracks, at an easterly turn in the road; set on the top of the north end of the east concrete headwall of a 12 foot concrete culvert for Fall Run under the railroad tracks, 3 poles north along the railroad tracks from the centerline of the street, 5.9 feet east of the east rail of the tracks, south of the north end of the concrete headwall; a U. S. Coast and Geodetic Survey bronze benchmark tablet, stamped "315.7 1940".

*NOTE: The elevation of this mark has been adjusted from the published USC&GS elevation!*

140.403 meters N.G.V.D. 1929  
140.260 meters N.A.V.D. 1988

460.638 feet N.G.V.D. 1929  
460.168 feet N.A.V.D. 1988

USC&GS BM USGS 456, 1906-1911

In Floyd County, New Albany Quad., in Clark Military Grant # 43; at New Albany; about 2.65 miles south along State Road 111 (Grant Line Road) from its intersection with Interstate 265 to its intersection with a railroad track overpass; set on the southeast end of the southwest stone wingwall of the overpass, 9.5 feet southwest of the southwest rail of the tracks, 1.3 feet northwest of the southeast end of the wingwall, about 1.0 foot lower than the tracks; a U.S. Geological Survey benchmark disk with part of disk broken off.

455.347 feet N.G.V.D. 1929

454.871 feet N.A.V.D. 1988

DNR TBM SLATE RUN 10, 2000

In Floyd County, New Albany Quad., in Clark Military Grant # 63; at New Albany; at the Northgate Court bridge over Slate Run, just south of the Northgate Medical Center; set in the top of the northwest end of the southeast concrete wingwall of the bridge, 14.5 feet east of the centerline of the road, 1.0 foot east of the steel guardrail, 0.6 foot southeast of the northwest end of the wingwall, 0.2 foot above the road; a chiseled triangle.

THIRD ORDER

473.59 feet N.G.V.D. 1929

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

USGS BM TT 25 D 1937

In Floyd County, Lanesville Quad., in the NW ¼ of Section 19, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about at the Budd Road bridge over Knob Creek; set in the top of a square concrete post, 99.1 feet south of the southwest corner of the southwest concrete wingwall of the bridge, 34 feet west of the centerline of Budd Road, 20 feet south of the centerline of East McCarthy Knob Road, 6.6 feet southeast of a "STOP" and "ROAD" sign post, 6.0 feet south of a "CAUTION" sign post, 5.2 feet northwest of a power pole, level with the ground; a U.S. Geological Survey bench mark disk, stamped "TT 25 D 1937".

GPS elevation

455.771 feet N.A.V.D. 1988

USC&GS BM K 313 RESET 1967

In Floyd County, New Albany Quad., in the SW ¼ of Section 4, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.5 mile southwest of Silver Hills; about 2.15 miles west along the Southern railroad from the station at New Albany and across Williams Lane south of the railroad tracks, 0.2 mile east of where Williams Lane crosses the railroad tracks, in the northeast corner of the yard of Mr. Dewey Amburgy; set in the top of a ten-inch round concrete post, 135.0 feet west of the centerline of Merrywood Lane, 66.5 feet south-southwest of the south rail of the railroad tracks, 66 feet northeast of the northeast corner of Mr. Dewey Amburgy's house, 27.5 feet south-southwest of the centerline of Williams Lane, 11.0 feet east of the centerline of a gravel drive, 4.0 feet southeast of power pole # 410/584, 0.9 foot above the ground; a U.S. Coast and Geodetic Survey bench mark disk, stamped "K 313 RESET 1967"

THIRD ORDER

139.48 meters N.G.V.D. 1929

457.6 feet N.G.V.D. 1929

139.34 meters N.A.V.D. 1988

457.2 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR BM SIC 1, 1980

In Floyd County, New Albany Quad., in Clark Military Grant # 29; at Clarksville; about 0.1 mile southwest along State Road 131 (Spring Street) from the State Road 131 (Spring Street) bridge over Silver Creek, at a levee; set in the top of a concrete post, 46.5 feet southwest of a "PK" nail in power pole # 412/086, 30.25 feet northeast of and across the road from the northeast corner of the concrete retaining wall of the levee, 16.0 feet northwest of the centerline of the road, 14.0 feet southwest of the metal end post of a chain link fence, 4.9 feet northeast of the southeast corner of the concrete retaining wall of the levee, 2.2 feet northeast of a metal sign post, 1.4 feet northwest of the northwest edge of the asphalt road, about 0.2 foot above the level of the road, 0.1 foot below the ground; a Indiana Department of Natural Resources control station tablet, stamped "SIC 1"

THIRD ORDER

449.17 feet N.G.V.D. 1929

Position Data : 3<sup>rd</sup> Order Class II                      NAD 1927

Geodetic Position :  $\phi = 38^{\circ} 18' 00.0403''$                        $\lambda = 85^{\circ} 47' 36.3982''$

Indiana State Plane Coordinates in U.S. Survey Feet (one meter = 39.37 inches exactly)

Indiana East Zone : Easting : 463,609.040                      Northing : 291,336.789

AZIMUTH DATA:

| Mark Name | Geodetic Azimuth | Grid Azimuth | Grid Distance (feet) |
|-----------|------------------|--------------|----------------------|
| SIC 1 AZM | 242° 17' 02"     | 242° 21' 45" | 1,375.288            |

DNR BM SIC 2, 1980

In Floyd County, New Albany Quad., in the East ¼ of Clark Military Grant # 43; at New Albany; about 0.55 mile south along Slate Run from its "T" road intersection with Charlestown Road to the Slate Run School; set in the top of a concrete post, on the east side of the road in the front lawn of the school, 36.71 feet north of a "PK" nail in the west side of a power pole, 23.62 feet south of a fire hydrant, 11.32 feet north of the north edge of a sidewalk, 8.2 feet west of the west edge of the school parking lot; a Indiana Department of Natural Resources control station tablet, stamped "SIC 2"

THIRD ORDER

469.53 feet N.G.V.D. 1929

Position Data : 3<sup>rd</sup> Order Class II                      NAD 1927

Geodetic Position :  $\phi = 38^{\circ} 18' 53.8508''$                        $\lambda = 85^{\circ} 48' 00.0348''$

Indiana State Plane Coordinates in U.S. Survey Feet (one meter = 39.37 inches exactly)

Indiana East Zone : Easting : 461,711.914                      Northing : 296,782.713

AZIMUTH DATA:

| Mark Name | Geodetic Azimuth | Grid Azimuth | Grid Distance (feet) |
|-----------|------------------|--------------|----------------------|
|           | ° ' "            | ° ' "        |                      |

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR BM SIC 4, 1980

In Floyd County, New Albany Quad., in the South ¼ of Clark Military Grant, # 63; about 0.2 mile southwest of Blackiston Mill; about 0.2 miles southwest along State Road 311 (Charlestown Road) (old US 31 W) from its intersection with Payne Kahler Road and Blackiston Mill Road to its "T" road intersection with Lafayette Road; set in the top of a concrete post, 44.9 feet northeast of the centerline of Lafayette Road, 13.48 feet southwest of a "PK" nail in a telephone pole, 10.94 feet northwest of the northwest edge of State Road 311 (Charlestown Road) (old US 31 W), 10.38 feet southeast of a fire hydrant; a Indiana Department of Natural Resources control station tablet, stamped "SIC 4"

457.32 feet N.G.V.D. 1929      THIRD ORDER

Position Data : 3<sup>rd</sup> Order Class II      NAD 1927

Geodetic Position :  $\phi = 38^{\circ} 19' 55.5903''$        $\lambda = 85^{\circ} 47' 59.2833''$

Indiana State Plane Coordinates in U.S. Survey Feet (one meter = 39.37 inches exactly)

Indiana East Zone : Easting : 461,809.505      Northing : 303,027.904

AZIMUTH DATA:

| Mark Name | Geodetic Azimuth | Grid Azimuth | Grid Distance (feet) |
|-----------|------------------|--------------|----------------------|
| SIC 4 AZM | 197° 03' 28"     | 197° 08' 25" | 1,044.952            |

DNR BM SIC 4 AZM 1980

In Floyd County, New Albany Quad., in the South ¼ of Clark Military Grant, # 63; about 0.2 mile southwest of Blackiston Mill; about 400 feet southwest along State Road 311 (Charlestown Road) (old US 31 W) from its intersection with Payne Kahler Road and Blackiston Mill Road to its "T" road intersection with Rainbow Drive; set in the top of a concrete post, 68.99 feet north-northeast of and across Rainbow Drive from a "PK" nail in the east side of a telephone pole, about 41 feet north-northeast of the centerline of Rainbow Drive, 16.2 feet west-northwest of the northwest edge of State Road 311 (Charlestown Road) (old US 31 W), 7.48 feet northeast of a "PK" nail in the southeast side of a Telephone pole; ; a Indiana Department of Natural Resources control station tablet, stamped "SIC 4"

THIRD ORDER

440.252 feet N.G.V.D. 1929

Position Data : 3<sup>rd</sup> Order Class II      NAD 1927

Geodetic Position :  $\phi = 38^{\circ} 20' 05.4659''$        $\lambda = 85^{\circ} 47' 55.4363''$

Indiana State Plane Coordinates in U.S. Survey Feet (one meter = 39.37 inches exactly)

Indiana East Zone : Easting : 462,117.467      Northing : 304,026.444

AZIMUTH DATA:

| Mark Name | Geodetic Azimuth | Grid Azimuth | Grid Distance (feet) |
|-----------|------------------|--------------|----------------------|
| SIC 4     | 17° 03' 30"      | 17° 08' 25"  | 1,044.952            |

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR BM SIC 6, 1980

In Floyd County, New Albany Quad., in the North ¼ of Clark Military Grant, # 64; about 1.3 miles northeast of Blackiston Mill; at the "T" road intersection of Jacobs Chapel Road and Payne Kahler Road; set in the top of a concrete post, 55.02 feet southwest of and across a stone private drive to the southeast from a "PK" nail in the north side of a telephone pole, 30.4 feet southeast of and across Payne Kahler Road from a "PK" nail in the southwest side of a power pole, 29.96 feet northwest of a "PK" nail in the north side of a power pole, 1.7 feet southeast of the southeast edge of Payne Kahler Road; a Indiana Department of Natural Resources control station tablet, stamped "SIC 6"

THIRD ORDER

456.34 feet N.G.V.D. 1929

Position Data : 3<sup>rd</sup> Order Class II            NAD 1927

Geodetic Position :  $\phi = 38^{\circ} 21' 00.6767''$              $\lambda = 85^{\circ} 46' 49.5736''$

Indiana State Plane Coordinates in U.S. Survey Feet (one meter = 39.37 inches exactly)

Indiana East Zone : Easting : 467,372.259            Northing : 309,604.375

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR TBM LB 1, 2003

In Floyd County, New Albany Quad., in the north ½ of Clark Military Grant 85; at New Albany; at the Jacobs Chapel Road bridge over Lewis Branch; set on the top of the north northwest wingwall of the bridge, 14 feet north of the centerline of the road, 17.8 feet east of a power pole, 24.8 feet southeast of a Gas Pipeline riser post, 0.7 foot west of the east face of the concrete wingwall, 0.65 feet north of the north face of the concrete bridge deck, about level with the road; a chiseled triangle.

3<sup>rd</sup> Order

476.257 feet N.G.V.D. 1929

475.804 feet N.A.V.D. 1988

DNR TBM LB 2, 2003

In Floyd County, New Albany Quad., in the NW ¼ of Clark Military Grant 85; at New Albany; at Kamer Miller Road over Jacobs Creek; set in the northwest side of a power pole on the southeast side of Kamer Miller Road, 146 feet southwest of the centerline of Jacobs Creek, 19.5 feet southeast of the centerline of Kamer Miller Road, 62 feet southeast of a lift station red light, 44 feet southwest of the centerline of a gravel driveway, about 1.3 feet above the ground; a railroad spike driven through an aluminum tag stamped "IDNR TBM LB 2 2003".

3<sup>rd</sup> Order

488.544 feet N.G.V.D. 1929

488.091 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR TBM LB 3, 2003

In Floyd County, New Albany Quad., in the E ½ of Clark Military Grant 85; at New Albany; in the east southeast corner of the State Road 311 bridge over Jacobs Creek; set on the top of the concrete curb, 125 feet southwest of the centerline of a asphalt drive, 19.5 feet southeast of the centerline of State Road 311, about 0.4 foot above the road, 0.2 foot northwest of the south most face of the concrete curb, 0.1 foot southwest of the north most face of the concrete curb; a chiseled triangle.

3<sup>rd</sup> Order

454.885 feet N.G.V.D. 1929

454.432 feet N.A.V.D. 1988

DNR TBM FLOYDCO 1, 2011

In Floyd County, Borden Quad., in the SE ¼ of Section 30, T. 1 S., R. 5 E., 2<sup>nd</sup> P. M.; about 1.5 miles northwest of Greenville; about 1.2 miles north along Voyles Road from its intersection with State Road 150 to the gated private drive entrance to Lime Ridge Lake (Greenville Reservoir); set in the east side of a large wood power pole, about 170 feet south of the entrance to Lime Ridge Lake, 97 feet northeast of the southeast corner post for the white plastic rail fence, 31 feet west of Voyles Road, 20.3 feet east of a white plastic rail fence, 18.5 feet south of the extended centerline of a private drive (#8260) leading east, 1.2 feet above the ground; a railroad spike driven through an aluminum tag, stamped "IDNR TBM FLOYDCO 1 2011".

3<sup>rd</sup> Order

867.22 feet N.G.V.D. 1929

866.79 feet N.A.V.D. 1988

DNR TBM FLOYDCO 2, 2011

In Floyd County, Borden Quad., in the NW ¼ of Section 32, T. 1 S., R. 5 E., 2<sup>nd</sup> P. M.; about 1 miles northwest of Greenville; about 0.7 mile north along Voyles Road from its intersection with State Road 150 to the "New Testament Christian Church" and a concrete culvert under Voyles Road; set on the top of the southeast concrete wingwall of the culvert under the Voyles Road, 14 feet east of the centerline of Voyles Road, 2.2 feet north of the south end of the wingwall, 1.4 feet south of the north end of the wingwall, 0.9 foot east of the west face of the wingwall, 0.5 foot west of the east face of the wingwall, about 0.5 foot below the road; a cut triangle.

3<sup>rd</sup> Order

799.56 feet N.G.V.D. 1929

799.13 feet N.A.V.D. 1988

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

DNR TBM FLOYDCO 3, 2011

In Floyd County, Borden Quad., in the SE ¼ of Section 31, T. 1 S., R. 5 E., 2<sup>nd</sup> P. M.; at Greenville; about 700 feet northwest along State Road 150 from its intersection with Voyles Road to a pipe culvert under State Road 150 with concrete headwalls; set on the top of the northwest end of the northeast concrete headwall of the culvert, 23 feet northeast of the centerline of State Road 150, 27.8 feet northwest of the southeast end of the headwall, about 2 feet below the road, 1.3 feet southeast of the northwest end of the headwall, 0.6 foot southwest of the northeast face of the headwall, 0.6 foot northeast of the southwest face of the headwall; a cut triangle.

3<sup>rd</sup> Order

780.19 feet N.G.V.D. 1929

779.76 feet N.A.V.D. 1988

DNR TBM FLOYDCO 4, 2011

In Floyd County, Palmyra Quad., in the SE ¼ of section 31, T. 1 S., R. 5 E., 2<sup>nd</sup> P. M.; at Greenville; at the State Road 150 concrete bridge over Richland Creek; set on the top of the northeast corner of the concrete bridge deck, 23 feet north of the centerline of State Road 150, 0.1 foot south of the north face of the bridge deck, 0.1 foot west of the east face of the bridge deck; two cut lines forming a square.

3<sup>rd</sup> Order

760.95 feet N.G.V.D. 1929

760.52 feet N.A.V.D. 1988

DNR TBM FLOYDCO 5, 2011

In Floyd County, Borden Quad., in the SE ¼ of Section 30, T. 1 S., R. 5 E., 2<sup>nd</sup> P. M.; about 1.5 miles northwest of Greenville; at Lime Ridge Lake (Greenville Reservoir), near the southeast corner of the lake; set on the top of the southeast concrete "L" shaped headwall for a 18 inch CMP under the gravel drive, 106 feet northeast of the northeast corner of a red barn at the downstream face of the dam, 90 feet southeast of the centerline – centerline intersection of the gravel road and the dam, 11.5 feet southeast of the centerline of the gravel drive, 2.8 feet northeast of the southwest face of the headwall, 0.7 foot southwest of the northeast end of the headwall, 0.4 foot northwest of the southeast face of the headwall, 0.3 foot southeast of the northwest face of the headwall; a cut triangle.

3<sup>rd</sup> Order

819.98 feet N.G.V.D. 1929

819.55 feet N.A.V.D. 1988



INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IDNR TBM MC 1 2015

In Floyd County, New Albany Quad., in the NW  $\frac{1}{4}$  of Section 5, T. 3 S., R. 6 E., 2<sup>nd</sup> P. M.; about 0.5 miles west of the intersection of Corydon Pike and Highwater Road; set at a private drive bridge over Middle Creek at address "3045 Corydon Pike"; set on top of the southwest concrete wingwall of the privately owned bridge; 45 feet southerly of the centerline of Corydon Pike; 6.2 feet west of the centerline of the asphalt private drive; 0.4 feet southeast of the streamward face of the wingwall; 3.1 feet northeast of the southwest end of the concrete wingwall; a cut triangle.

494.25 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDNR TBM MC 2 2015

In Floyd County, New Albany Quad., in the NW  $\frac{1}{4}$  of Section 5, T. 3 S., R. 6 E., 2<sup>nd</sup> P. M.; about 0.5 miles west of the intersection of Corydon Pike and Highwater Road; set at a private drive bridge over Middle Creek at address "2953 Corydon Pike"; set on the northwest face of a 8 inch diameter power pole; 21 feet southerly of the centerline of Corydon Pike; 15 feet east of the centerline of a private gravel road; 31 feet northeast of the northeast corner of the private concrete bridge; about 0.9 feet above the ground; a lag bolt.

492.75 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDNR TBM MC 3 2015

In Floyd County, New Albany Quad., in the W  $\frac{1}{2}$  of Section 4, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 1 mile west of the town of Silver Hills; set at a Railroad crossing over Middle Creek on Highwater Road 130.5 feet south of the centerline of Corydon Pike; set on the west end of a 12 inch diameter power pole; 46.1 feet northwest of the centerline of the intersection of Highwater Road and Railroad tracks; 17.2 feet west of the centerline of Highwater Road; 0.9 feet above ground; a lag bolt.

471.62 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IDNR TBM MC 4 2015

In Floyd County, New Albany Quad., in the NE ¼ of Section 5, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.3 miles west of the intersection of Corydon Pike and Highwater Road; set at a private drive bridge over Middle Creek at address 2940 Corydon Pike; set at the right downstream corner of concrete private bridge; 2 filed marks on top of 0.2 feet diameter metal post; 6 feet downstream of the centerline of concrete drive; 0.5 feet landward of right end downstream curb; 0.8 feet above ground; 2 filed marks on high side of metal post.

487.64 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDNR TBM MC 5 2015

In Floyd County, New Albany Quad., in the NE ¼ of Section 5, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.3 miles west of the intersection of Corydon Pike and Highwater Road; set at a private drive concrete bridge over Middle Creek at address 2941 Corydon Pike; anchor tie on streamward face of left downstream concrete retaining wall; 9 feet east of the centerline of bridge; 2.2 feet downstream of downstream face of curb; 1.5 feet below top of concrete retaining wall; a metal anchor tie in concrete.

484.63 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDNR TBM MC 6 2015

In Floyd County, New Albany Quad., in the NE ¼ of Section 5, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 2.5 miles west-southwest of the city of New Albany; 0.20 miles west of intersection of Corydon Pike and Highwater Road; at the house address #2823 on Corydon Pike; set on the left upstream corner of the left downstream end of concrete curb; 39.5 feet streamward of centerline of road; 6.9 feet downstream of centerline of drive; 1.6 feet below top of metal rail; 3.2 feet landward of the left end of downstream metal rail post; 0.6 feet above drive; IDNR TBM MC 6 2015; a chiseled line forming a triangle.

481.56 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IDNR TBM MC 7 2015

In Floyd County, New Albany Quad., in the NE ¼ of Section 5, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 2.5 miles west-southwest of the city of New Albany; 0.15 miles west of the intersection of Corydon Pike and Highwater Road; at the house address #2727 on Corydon Pike; set at the left downstream ¼ of private concrete pad bridge over Middle Creek; left most bolt on the downstream wood curb; 36 feet streamward of centerline of road; 6 feet downstream of centerline of drive; 0.45 feet streamward of left end of wood curb; 0.3 feet downstream of upstream face of wood curb; 0.45 feet above asphalt drive; IDNR TBM MC 7 2015; a bolt.

475.22 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDNR TBM MC 8 2015

In Floyd County, New Albany Quad., in the SW ¼ of Section 4, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.75 miles southwest of the town of Silver Hills; at the Willian Lane concrete bridge over Middle Creek; set on the top of the right downstream corner of the concrete bridge deck; about 250 feet south of the centerline of Corydon Pike; 9.5 feet downstream of the centerline of bridge; 0.9 feet upstream of the downstream face of bridge; 0.8 feet streamward of the landward face of bridge; 1.3 feet below bottom of metal guard rail; IDNR TBM MC 8 2015; a chiseled triangle.

459.30 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDNR TBM MC 9 2015

In Floyd County, New Albany Quad., in the SW ¼ of Section 4, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.66 miles southwest of the town of Silver Hills on Corydon Pike; at the Floyd Co. Parks & Recreation Building (address #2409 Corydon Pike); private bridge over Middle Creek back behind building; set in the left upstream concrete wingwall; two filed lines on a 0.25 foot diameter cut pipe; 6.0 feet upstream of centerline of private concrete bridge; 0.5 feet landward of the streamward face of concrete wingwall; 0.5 feet streamward of the landward face; 0.25 feet upstream of the downstream end of concrete wingwall; 8.1 feet downstream of the upstream end; 0.55 feet above ground; IDNR TBM MC 9 2015; two filed lines on cut pipe.

451.30 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IDNR TBM MC 10 2016

In Floyd County, New Albany Quad., in the W ½ of Section 10, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 1 mile northeast of the town of Pine Hill; at the Galiger Station Rd. (Duke Energy Plant) culvert over Middle Creek; 0.3 miles southwest of the intersection of Galiger Station Rd. and Jackson St.; 22 feet downstream of the centerline of Galiger Station Rd.; 2.5 feet upstream streamward of power pole '22'; 3.1 feet above ground; IDNR TBM MC 10 2016; 2 filed marks on top of 0.35 feet cut metal guard rail post. 458.61 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDOH BM 22 S-35

In Floyd County, New Albany Quad., in the NW ¼ of Section 10, T. 3 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.75 miles south of the town of Silver Hills; at the State Road 111 Bridge over Middle Creek; approximately 200 feet north of the SR 111 & Budd Road intersection; set in the right upstream concrete abutment of the SR 111 bridge; 25.6 feet upstream of the centerline of SR 111; 6.8 feet landward of the streamward end of concrete abutment; 1.75 feet streamward of landward end; 0.6 feet downstream of upstream face of concrete abutment; 0.6 feet upstream of downstream face; 2.8 feet below top of concrete guardrail; an Indiana Department of Highway Benchmark disk, stamped "22 S-35." 435.20 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

IDNR TBM JC 1 2015

In Floyd County, New Albany Quad., in the NW ¼ of Clark Military Grant #85, T. 2 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.15 mile northeast of Kamer Miller Road and Carver Street; just north of the city of New Albany; at the Graceland Baptist Church near baseball diamonds; set near the Graceland Recreation Road Bridge over Jacobs Creek; set at the power box #1ABC1 on top of concrete pad; set in the upstream streamward corner of concrete pad; 28 feet downstream of centerline of road; 35.5 feet landward of the right downstream end of metal guardrail; 4.95 feet below top of metal power box; 0.7 feet above ground; IDNR TBM JC 1 2015, a chiseled line forming a triangle. 469.86 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER  
FLOYD COUNTY

IDNR TBM JC 2 2015

In Floyd County, New Albany Quad., in the NE ¼ of Clark Military Grant, T. 2 S., R. 6 E., 2<sup>nd</sup> P.M.; about 0.15 mile west – southwest of Jacobs Chapel Road and Kahler Road; just outside of the city of Jeffersonville and New Albany; set at the Kahler Road Bridge over Jacobs Creek; set on top of the left upstream concrete wingwall; 15.0 feet upstream of centerline of road; 2.55 feet below top of metal guardrail; 0.45 feet landward of streamward face; 1.55 feet streamward of landward face; 0.6 feet upstream of downstream end of concrete wingwall; IDNR TBM JC 2 2015, a chiseled triangle.

442.08 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A

SHCOI BM 22 S-26

In Floyd County, New Albany Quad., Clark Military Grant; T. 2 S., R. 6 E., 2<sup>nd</sup> P.M.; along State Highway 265 heading westbound; about 2.5 miles west of Interstate 65; just northeast of the city of New Albany; set at the 265 bridge over Jacobs Creek; set on top of the right upstream concrete abutment; 3.8 feet below concrete guardrail; 10.7 feet landward from the streamward end of concrete abutment; 1.0 feet streamward from the landward end; 0.65 feet upstream from the downstream face; 0.65 feet downstream from the upstream face; A SHCOI Benchmark Tablet, stamped "22 S-26."

464.75 feet NAVD 1988 Established by GPS INCORS 2011 Geoid 12A