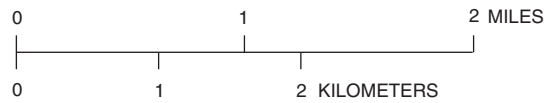


Base from U.S. Geological Survey digital data, 1:100,000 1983.
 Albers Equal-Area Conic projection
 Standard parallels 29°30' and 45°30' central meridian -86°



EXPLANATION

- CAR-1 WELL LOCATION AND NAME--Number in parentheses indicates number of wells at site, if more than one

Figure 10.--Locations of wells in the Carmel, Hamilton County network.

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK

The following tables contain ground-water level measurements from a network of monitoring wells near Carmel, Indiana. The data were collected as part of a cooperative effort with the City of Carmel to determine ambient ground-water level conditions on an biannual basis within the alluvial aquifer near the White River. Locations of observation wells where measurements were made are shown in figure 13.

Previous water-levels for this monitoring well network were first published in the 2000 and 2001 water year version of this report.

395609086064201. Local number CAR-1.

LOCATION.--Lat 39°56'09", long 86°06'42", in NW¹/₄SE¹/₄NE¹/₄ sec.7, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, between Keystone Avenue and Frontage Road, at 10200 North in Carmel.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 50.1 ft, cased to 47.1 ft, screened to 50.1 ft.

INSTRUMENTATION.--None

DATUM.--Elevation of land-surface datum is 774.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.30 ft above ground level.

PERIOD OF RECORD.--53 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 18.99 ft below land-surface datum, Apr. 4, 1991; lowest, 23.53 ft below land surface datum, Sep. 5, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	19.75	SEP 19	21.66

395610086044401. Local number CAR-2.

LOCATION.--Lat 39°56'10", long 86°04'44", in NE¹/₄SW¹/₄NE¹/₄ sec.9, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 10300 North River Avenue, on eastside at slight jog in road.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 24.2 ft, cased to 21.2 ft, screened to 24.2 ft.

INSTRUMENTATION.--None

DATUM.--Elevation of land-surface datum is 740.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.30 ft above ground level.

REMARKS.--Water level may be affected by nearby dewatering for mining.

PERIOD OF RECORD.--49 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 15.77 ft below land-surface datum, Sep. 9, 1974; lowest, dry on numerous dates.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER, YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	21.55	SEP 23	DRY

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395628086052901. Local number CAR-4.

LOCATION.--Lat 39°56'28", long 86°05'29", in NW¹/₄NE¹/₄NE¹/₄ sec.8, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 1000 ft west of Gray Road (Hinkle Road on topographic map) on south side of East 106th Street, in Carmel.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 23.8 ft, cased to 20.8 ft, screened to 23.8 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 744.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.25 ft above land-surface datum.

REMARKS.--Water level may be affected by nearby mining.

PERIOD OF RECORD.--43 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 5.07 ft below land-surface datum, Apr. 23, 1982; lowest, 16.69 ft below land surface datum, Oct. 27, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	6.60	SEP 19	11.56

395717086051801. Local number CAR-6.

LOCATION.--Lat 39°57'17", long 86°05'18", in NW¹/₄NW¹/₄NW¹/₄ sec.4, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 11500 North Gray Road, well on east side, 600 ft south of East 116th Street.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 34.7 ft, cased to 31.7 ft, screened to 34.7 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 768.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.--52 entries from November 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 18.10 ft below land-surface datum, Jun. 26, 1996; lowest, 22.22 ft below land surface datum, Nov. 30, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	19.61	SEP 19	20.59

395750086052101. Local number CAR-9.

LOCATION.--Lat 39°57'50", long 86°05'21", in SW¹/₄SW¹/₄NW¹/₄ sec.33, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 12100 North Gray Road, on east side, north of entrance road into abandoned gravel pit.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 48.38 ft, cased to 45.38 ft, screened to 48.38 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 778.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

REMARKS.--Water level may be affected by nearby dewatering for mining.

PERIOD OF RECORD.--48 entries from September 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 24.75 ft below land-surface datum, Jun. 4, 1986; lowest, 34.09 ft below land surface datum, Nov. 4, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	29.22	SEP 19	33.60

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395816086044901. Local number CAR-11.

LOCATION.--Lat 39°58'16", long 86°04'49", in SE¹/₄SE¹/₄SW¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 5200 East 126th Street, north side, at east entrance to Clay Jr. High School.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 59.0 ft, cased to 56.0 ft, screened to 59.0 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 789.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

REMARKS.--Water level may be affected by nearby Carmel Utility Wells.

PERIOD OF RECORD.--49 entries from November, 1974 to current date. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 32.77 ft below land-surface datum, Apr. 14, 1975; lowest, 48.17 ft below land surface datum, Sep. 23, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	42.21	SEP 19	41.40

395923086023901. Local number CAR-20.

LOCATION.--Lat 39°59'23", long 86°02'39", in SE¹/₄NE¹/₄SW¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, east side of 13900 North River Avenue, just south of private drive.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 34.6 ft, cased to 31.6 ft, screened to 34.6 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 753.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.24 ft above land-surface datum.

REMARKS.--Water level may be affected by nearby dewatering for mining.

PERIOD OF RECORD.--49 entries from November 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 5.93 ft below land-surface datum, Apr. 14, 1994; lowest, 11.90 ft below land surface datum, October 29, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	8.10	SEP 23	9.64

395919086015901. Local number CAR-21.

LOCATION.--Lat 39°59'19", long 86°01'59", in NE¹/₄SE¹/₄SE¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, south side of Connor Lane, 0.5 mi west of Allisonville Road, on Connor Prairie Museum property.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 23.9 ft, cased to 20.9 ft, screened to 23.9 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 744.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 1.60 ft above land-surface datum.

REMARKS.--Water level may be affected by river stage in White River, which is located 400 ft north of the well.

PERIOD OF RECORD.--52 entries from November 1974 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 8.03 ft below land-surface datum, Dec. 02, 1992; lowest, 14.11 ft below land surface datum, Oct. 26, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	10.21	SEP 23	12.95

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

395837086045701. Local number CAR-26.

LOCATION.--Lat 39°58'37", long 86°04'57", in NW¹/₄NE¹/₄SW¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, in northwest part of Clay Jr. High School property, near southeast corner of private property, west of School Administration Building.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 1.5 in., depth 63.3 ft, cased to 60.3 ft, screened to 63.3 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 777.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 3.0 ft above land-surface datum.

REMARKS.--Water level may be affected by nearby Carmel City Utilities Water Department well field. Carmel Utility well field.

PERIOD OF RECORD.--51 entries from April 1976 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 11.76 ft below land-surface datum, Apr. 27, 1978; lowest, 24.75 ft below land surface datum, Sep. 07, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	19.30	SEP 19	18.04

395830086044701. Local number CAR-27.

LOCATION.--Lat 39°58'30", long 86°04'47", in SE¹/₄NE¹/₄SW¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on Clay Jr. High School property, well in tree line on east property line, at north end of football and track field.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 2.0 in., depth 62.5 ft, cased to 59.5 ft, screened to 62.5 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 783.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 3.5 ft above land-surface datum.

REMARKS.--Water level may be affected by nearby Carmel City Utilities Water Department well field.

PERIOD OF RECORD.--51 entries from April 1976 to current year. Measured irregularly in semi-annual status.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level, 23.12 ft below land-surface datum, Jun. 04, 1986; lowest, 39.02 ft below land surface datum, Sep. 23, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	34.76	SEP 19	30.23

395954086040001. Local number CAR-30.

LOCATION.--Lat 39°59'54", long 86°04'00", in SE¹/₄NW¹/₄NW¹/₄ sec.22, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, approximately 1000 ft east of Hazel Dell Road at the Hazel Dell Christian Church, 14500 Hazel Dell Road.
Owner: U.S. Geological Survey.

AQUIFER.--Sand zone in till of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 2.0 in., depth 48.0 ft, cased to 15.0 ft, screened to 20.0 ft.

INSTRUMENTATION.--None

DATUM.--Elevation of land-surface datum is 772.31 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.25 ft below ground level.

REMARKS.--Replaces well CAR-22 which was destroyed in 1994.

PERIOD OF RECORD.--Well installed September 2002, measured irregularly.

WATER LEVEL.--Only measurement, 8.35 ft below land-surface datum, Sept. 23, 2002.

GROUND-WATER LEVELS FOR THE ALLUVIAL AQUIFER NEAR THE CITY OF CARMEL, HAMILTON COUNTY NETWORK--Continued

40000086030301. Local number CAR-31.

LOCATION.--Lat 40°00'00", long 86°03'03", in NW¹/₄NW¹/₄NW¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, well is 20 ft south of 146th Street, and 200 ft east of section line.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Bored water-table well, diameter 2.0 in., depth 20.0 ft, cased to 15.0 ft, screened to 20.0 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 755.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.40 ft below ground level.

REMARKS.--Replaces well CAR-23 which was removed in May 2000.

PERIOD OF RECORD.--Well installed September 2002, measured irregularly.

WATER LEVEL.--Only measurement, 10.74 ft below land-surface datum, Sept. 23, 2002.

40000086023001. Local number HA-5.

LOCATION.--Lat 40°00'00", long 86°02'30", in NE¹/₄NE¹/₄NW¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, well is 20 ft south of the intersection of 146th Street at the intersection of Grayland Place, 0.8 mi east of Cherry Tree Road.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel outwash deposit, White River valley-train of Pleistocene age, Atherton Formation.

WELL CHARACTERISTICS.--Bored hole, diameter 12.0 in., depth 86.0 ft, Well diameter 6 in., cased to 82.0 ft, screened to 86.0 ft.

INSTRUMENTATION.--None in WY2002.

DATUM.--Elevation of land-surface datum is 755.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of inner well casing, 3.50 ft above land surface datum.

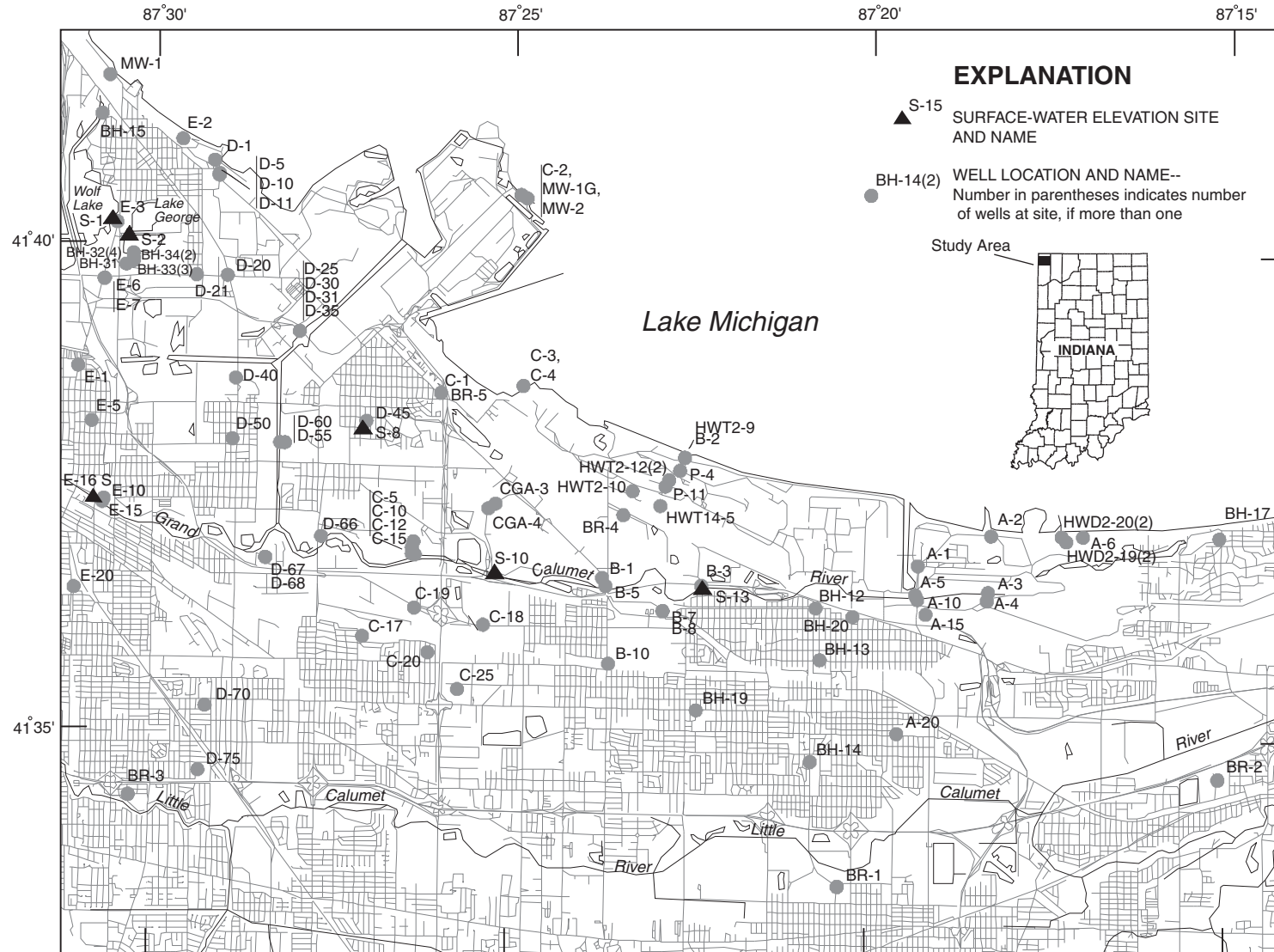
REMARKS.--Replaces original well HA-5 which was removed in May 2000. Well affected by pumpage.

PERIOD OF RECORD.--Continuous record July 1965 to September 1971, July 1974 to September 1999. Replacement well installed September 17, 2002, measured irregularly in September 2002.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.39 ft below land-surface datum, Dec. 31, 1991; lowest, 16.07 below land-surface datum, Sep. 19, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR 2002.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 19	16.07	SEP 23	15.10	SEP 26	15.35



EXPLANATION

- ▲ S-15 SURFACE-WATER ELEVATION SITE AND NAME
- BH-14(2) WELL LOCATION AND NAME-- Number in parentheses indicates number of wells at site, if more than one



Base from U.S. Geological Survey digital data, 1:100,000 1983.
 Albers Equal-Area Conic projection
 Standard parallels 29°30' and 45°30' central meridian -86°

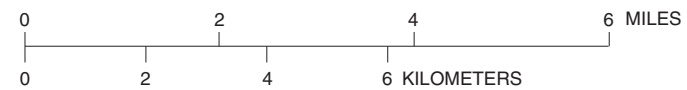


Figure 11.--Locations of wells in the Northern Lake County network.

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

The following tables (1-5) list characteristics of water wells, surface-water-stage measurement sites, and results of miscellaneous measurements of ground-water level and surface-water stage in Northern Lake County, Indiana. Data presented here have been collected periodically since 1985 to provide a base of information to evaluate ground-water-flow directions and ground-water/surface-water interactions. Locations of wells and surface-water sites are shown in figure 11.

Table 1. Characteristics of observation wells in the Northern Lake County network.

USGS, U.S. Geological Survey; Auger, hollow-stem auger; SS, stainless steel; CA, Calumet aquifer; USEPA, U.S. Environmental Protection Agency; PVC, polyvinyl chloride; n.a., not applicable; ?, not known; GAA, Gary Airport Authority; USX, USX Corporation; ISPAT, ISPAT Inland Incorporated.

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Aquifer and relative vertical position of open interval in aquifer
A-1	USGS	41°36'47"/87°19'19"	413647087191901	07-85	Auger	604	18-21	SS 304	CA Top
A-2	USGS	41°37'06"/87°18'18"	413706087181800	06-87	Auger	603	34-39	SS 316L	CA Middle
A-3	USGS	41°36'31"/87°18'20"	413631087182000	06-87	Hand driven	590	3-6	SS 316L	CA Top
A-4	USGS	41°36'30"/87°18'16"	413630087182100	06-87	Auger	603	18-23	SS 316L	CA Middle
A-5	USGS	41°36'29"/87°19'21"	413629087192102	12-85	Auger	601	18-21	SS 304	CA Top
A-6	USGS	41°37'06"/87°17'01"	413706087170101	06-87	Hand driven	588	4-7	SS 316L	CA Top
A-10	USGS	41°36'26"/87°19'19"	413626087191901	07-85	Hand driven	590	12-15	SS 304	CA Top
A-15	USGS	41°36'17"/87°19'12"	413617087191201	07-85	Hand driven	591	2-5	SS 304	CA Top
A-20	USGS	41°35'03"/87°19'35"	413503087193501	12-85	Auger	614	21-24	SS 304	CA Top
B-1	USGS	41°36'37"/87°23'43"	413637087234301	08-85	Hand driven	585	9-12	SS 304	CA Top
B-2	USGS	41°37'52"/87°22'35"	413752087223500	06-87	Auger	608	43-48	SS 316L	CA Middle
B-3	USGS	41°36'33"/87°22'20"	413633087222000	06-87	Auger	594	18-23	SS 316L	CA Middle
B-5	USGS	41°36'32"/87°23'40"	413632087234001	08-85	Hand driven	589	8-11	SS 304	CA Top
B-7	USGS	41°36'16"/87°22'51"	413617087225202	06-87	Hand driven	596	8-11	SS 316L	CA Top
B-8	USGS	41°36'17"/87°22'51"	413617087225201	06-87	Auger	596	32-37	SS 316L	CA Bottom
B-10	USGS	41°35'44"/87°23'37"	413544087233700	12-85	Auger	607	17-20	SS 304	CA Top
BH-12	USEPA	41°36'20"/87°20'44"	413620087204401	06-92	Mud rotary	601	10-20	PVC	CA Top
BH-13	USEPA	41°35'48"/87°20'40"	413548087204001	06-92	Mud rotary	603	9-19	PVC	CA Top
BH-14	USEPA	41°34'45"/87°20'47"	413445087204701	06-92	Mud rotary	610	9-19	PVC	CA Top
BH-15	USEPA	41°41'20"/87°30'47"	414120087304701	06-92	Mud rotary	585	10-15	PVC	CA Top

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 1. Characteristics of observation wells in the Northern Lake County network.—Continued

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Aquifer and relative vertical position of open interval in aquifer
BH-17	USEPA	41°37'06"/87°15'07"	413706087150701	06-92	Mud rotary	599	10-20	PVC	CA Top
BH-19	USEPA	41°35'16"/87°22'23"	413516087222301	06-92	Mud rotary	602	10-20	PVC	CA Top
BH-20	USEPA	41°36'15"/87°20'13"	413615087201301	06-92	Mud rotary	600	14-24	PVC	CA Top
BH-31	USEPA	41°39'47"/87°30'25"	413947087302501	04-93	Mud rotary	598	18-28	PVC	CA Top
BH-32-D	USGS	41°39'49"/87°30'19"	413949087301901	07-96	Auger	597	36-38.5	PVC	CA Bottom
BH-32-I	USGS	41°39'49"/87°30'19"	413949087301902	07-96	Auger	597	26.4-28.9	PVC	CA Middle
BH-32-SH	USGS	41°39'49"/87°30'19"	413949087301903	07-96	Auger	597	21.6-23.1	PVC	CA Top
BH-32-SL	USGS	41°39'49"/87°30'19"	413949087301904	07-96	Auger	597	7.4-19.9	PVC	Slag Bottom
BH-33-I	USGS	41°39'51"/87°30'19"	413951087301901	07-96	Auger	585	11.5-14	PVC	CA Middle
BH-33-SH	USGS	41°39'51"/87°30'19"	413951087301902	07-96	Auger	585	7.6-10.1	PVC	CA Top
BH-33-SL	USGS	41°39'51"/87°30'19"	413951087301903	07-96	Auger	585	2.5-5	PVC	Slag Bottom
BH-34-D	USGS	41°39'54"/87°30'19"	413954087301901	07-96	Hand driven	580	4.4-6.4	PVC	CA Top
BH-34-SH	USGS	41°39'54"/87°30'19"	413954087301902	07-96	Hand driven	581	1.8-3.8	PVC	Slag Bottom
BR-1	USGS	41°33'28"/87°20'24"	413328087202301	12-93	Mud rotary	595	135-145	PVC	Devonian
BR-2	USGS	41°34'37"/87°15'06"	413437087150601	12-93	Mud rotary	600	136-146	PVC	Silurian
BR-3	USGS	41°34'19"/87°30'17"	413419087301701	11-94	Mud rotary	595	137-147	PVC	Silurian
BR-4	USGS	41°37'17"/87°23'26"	413716087232601	11-94	Mud rotary	595	138-148	PVC	Silurian
BR-5	USEPA	41°37'32"/87°25'58"	413732087255801	06-95	Mud rotary	587	146-156	PVC	Silurian
C-1	USGS	41°38'30"/87°26'00"	413830087260000	12-85	Auger	587	4-7	SS 304	CA Top
C-2	USGS	41°40'30"/87°24'51"	414031087245000	06-87	Auger	594	13-18	SS 316L	CA Top
C-3	USGS	41°38'27"/87°25'16"	413828087251301	06-87	Auger	589	23-28	SS 316L	CA Middle
C-4	USGS	41°38'27"/87°25'16"	413828087251302	06-87	Auger	589	8-13	SS 316L	CA Top
C-5	USGS	41°36'55"/87°26'20"	413655087275202	07-85	Hand driven	584	2-5	SS 304	CA Top
C-10	USGS	41°36'50"/87°26'20"	413652087274901	07-85	Hand driven	584	1-4	SS 304	CA Top
C-12	USGS	41°36'50"/87°26'20"	413650087262000	06-87	Auger	584	13-18	SS 316L	CA Middle

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 1. Characteristics of observation wells in the Northern Lake County network.—Continued

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Auqifer and relative vertical position of open interval in aquifer
BH-17	USEPA	41°37'06"/87°15'07"	413706087150701	06-92	Mud rotary	599	10-20	PVC	CA Top
BH-19	USEPA	41°35'16"/87°22'23"	413516087222301	06-92	Mud rotary	602	10-20	PVC	CA Top
BH-20	USEPA	41°36'15"/87°20'13"	413615087201301	06-92	Mud rotary	600	14-24	PVC	CA Top
BH-31	USEPA	41°39'47"/87°30'25"	413947087302501	04-93	Mud rotary	598	18-28	PVC	CA Top
BH-32-D	USGS	41°39'49"/87°30'19"	413949087301901	07-96	Auger	597	36-38.5	PVC	CA Bottom
BH-32-I	USGS	41°39'49"/87°30'19"	413949087301902	07-96	Auger	597	26.4-28.9	PVC	CA Middle
BH-32-SH	USGS	41°39'49"/87°30'19"	413949087301903	07-96	Auger	597	21.6-23.1	PVC	CA Top
BH-32-SL	USGS	41°39'49"/87°30'19"	413949087301904	07-96	Auger	597	7.4-19.9	PVC	Slag Bottom
BH-33-I	USGS	41°39'51"/87°30'19"	413951087301901	07-96	Auger	585	11.5-14	PVC	CA Middle
BH-33-SH	USGS	41°39'51"/87°30'19"	413951087301902	07-96	Auger	585	7.6-10.1	PVC	CA Top
BH-33-SL	USGS	41°39'51"/87°30'19"	413951087301903	07-96	Auger	585	2.5-5	PVC	Slag Bottom
BH-34-D	USGS	41°39'54"/87°30'19"	413954087301901	07-96	Hand driven	580	4.4-6.4	PVC	CA Top
BH-34-SH	USGS	41°39'54"/87°30'19"	413954087301902	07-96	Hand driven	581	1.8-3.8	PVC	Slag Bottom
BR-1	USGS	41°33'28"/87°20'24"	413328087202301	12-93	Mud rotary	595	135-145	PVC	Devonian
BR-2	USGS	41°34'37"/87°15'06"	413437087150601	12-93	Mud rotary	600	136-146	PVC	Silurian
BR-3	USGS	41°34'19"/87°30'17"	413419087301701	11-94	Mud rotary	595	137-147	PVC	Silurian
BR-4	USGS	41°37'17"/87°23'26"	413716087232601	11-94	Mud rotary	595	138-148	PVC	Silurian
BR-5	USEPA	41°37'32"/87°25'58"	413732087255801	06-95	Mud rotary	587	146-156	PVC	Silurian
C-1	USGS	41°38'30"/87°26'00"	413830087260000	12-85	Auger	587	4-7	SS 304	CA Top
C-2	USGS	41°40'30"/87°24'51"	414031087245000	06-87	Auger	594	13-18	SS 316L	CA Top
C-3	USGS	41°38'27"/87°25'16"	413828087251301	06-87	Auger	589	23-28	SS 316L	CA Middle
C-4	USGS	41°38'27"/87°25'16"	413828087251302	06-87	Auger	589	8-13	SS 316L	CA Top
C-5	USGS	41°36'55"/87°26'20"	413655087275202	07-85	Hand driven	584	2-5	SS 304	CA Top
C-10	USGS	41°36'50"/87°26'20"	413652087274901	07-85	Hand driven	584	1-4	SS 304	CA Top
C-12	USGS	41°36'50"/87°26'20"	413650087262000	06-87	Auger	584	13-18	SS 316L	CA Middle

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 1. Characteristics of observation wells in the Northern Lake County network.—Continued

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Aquifer and relative vertical position of open interval in aquifer
C-15	USGS	41°36' 48"/87°26' 20"	413650087274802	07-85	Hand driven	583	1-4	SS 304	CA Top
C-17 ¹	USGS	41°35' 59"/87°27' 03"	413559087270301	07-86	Mud rotary	592	18-23	?	CA Bottom
C-18	USGS	41°36' 07"/87°25' 22"	413607087252200	06-87	Auger	595	17-22	SS 316L	CA Bottom
C-19	USGS	41°36' 17"/87°26' 20"	413617087262001	12-86	Hand driven	592	2-5	SS 304	CA Top
C-20	USGS	41°35' 57"/87°26' 11"	413557087283901	07-85	Hand driven	593	3-6	SS 304	CA Top
C-25	USGS	41°35' 27"/87°25' 43"	413527087270301	07-85	Hand driven	599	2-5	SS 304	CA Top
CGA-3	GAA	41°37' 22"/87°25' 13"	413722087251301	pre-1985	?	590	?	PVC	CA ?
CGA-4	GAA	41°37' 19"/87°25' 19"	413719087251901	pre-1985	?	591	?	PVC	CA ?
D-1	USGS	41°40' 52"/87°29' 12"	414052087291201	07-85	Hand driven	590	8-11	SS 304	CA Top
D-5	USGS	41°40' 44"/87°29' 08"	414044087290801	07-85	Hand driven	588	2-7	SS 304	CA Top
D-10	USGS	41°40' 43"/87°29' 08"	414043087290802	07-85	Hand driven	588	7-10	SS 304	CA Top
D-11	USGS	41°40' 43"/87°29' 08"	414043087290801	06-87	Auger	588	17-22	SS 316L	CA Middle
D-20	USGS	41°39' 41"/87°29' 00"	413941087290000	07-85	Hand	588	6-9	SS 304	CA Top
D-21	USGS	41°39' 41"/87°29' 26"	413941087292600	06-87	Auger	584	13-18	SS 316L	CA Middle
D-25	USGS	41°39' 09"/87°28' 03"	413804087291102	07-85	Hand driven	588	5-8	SS 304	CA Top
D-30	USGS	41°39' 07"/87°27' 58"	413758087290702	07-85	Hand driven	586	6-9	SS 304	CA Top
D-31	USGS	41°39' 07"/87°27' 58"	413907087275901	06-87	Auger	586	12-17	SS 316L	CA Middle
D-35	USGS	41°39' 06"/87°27' 57"	413757087290601	07-85	Hand driven	586	4-7	SS 304	CA Top
D-40	USGS	41°38' 35"/87°28' 51"	413835087245101	07-85	Hand driven	584	4-7	SS 304	CA Top
D-45	USGS	41°38' 12"/87°27' 02"	413812087270201	07-85	Hand driven	586	6-9	SS 304	CA Top
D-50	USGS	41°38' 00"/87°28' 54"	413800087285401	12-85	Hand driven	585	9-12	SS 304	CA Top
D-55	USGS	41°37' 58"/87°28' 14"	413758087281401	07-85	Hand driven	585	5-8	SS 304	CA Top
D-60	USGS	41°37' 58"/87°28' 10"	413758087281001	07-85	Hand driven	587	5-8	SS 304	CA Top
D-66	USGS	41°36' 54"/87°27' 40"	413654087274000	06-87	Auger	587	17-22	SS 316L	CA Middle
D-67	USGS	41°36' 47"/87°28' 25"	413647087282502	06-87	Hand driven	589	4-7	SS 316L	CA Top

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 1. Characteristics of observation wells in the Northern Lake County network.—Continued

Well name	Well owner	Latitude/longitude	USGS site identifier	Date drilled (month-year)	Method of installation	Land surface, in feet above sea level	Open interval, in feet below land surface	Screen and casing material	Auqifer and relative vertical position of open interval in aquifer
D-68	USGS	41°36' 47"/87°28' 25"	413647087282501	06-87	Auger	589	18-23	SS 316L	CA Middle
D-70	USGS	41°35' 15"/87°29' 15"	413515087291401	07-85	Hand driven	603	6-9	SS 304	CA Top
D-75	USGS	41°34' 34"/87°29' 19"	413435087291901	07-85	Hand driven	601	5-8	SS 304	CA Top
E-1	USGS	41°38' 44"/87°31' 04"	413844087310401	07-85	Hand driven	582	5-8	SS 304	CA Top
E-2	USGS	41°41' 05"/87°29' 39"	414105087293900	06-87	Hand driven	585	3-6	SS 316L	CA Top
E-3	USGS	41°40' 13"/87°30' 33"	414013087303300	06-87	Auger	585	8-13	SS 316L	CA Middle
E-5	USGS	41°38' 10"/87°30' 52"	413810087305201	07-85	Hand driven	587	9-12	SS 304	CA Top
E-6	USGS	41°39' 38"/87°30' 43"	413938087304301	06-87	Auger	586	17-22	SS 316L	CA Bottom
E-7	USGS	41°39' 38"/87°30' 43"	413938087304302	06-87	Hand driven	586	2-5	SS 316L	CA Top
E-10	USGS	41°37' 22"/87°30' 41"	413722087304101	07-85	Hand driven	586	6-9	SS 304	CA Top
E-15	USGS	41°37' 20"/87°30' 42"	413720087 304201	07-85	Hand driven	584	11-14	SS 304	CA Top
E-20	USGS	41°36' 27"/87°31' 05"	413627087310500	07-85	Hand driven	592	5-8	SS 304	CA Top
HWD2-19D	USX	41°37' 06"/87°17' 19"	413706087171901	12-93	Auger	598	47-57	PVC	CA Bottom
HWD2-19S	USX	41°37' 06"/87°17' 19"	413706087171902	12-93	Auger	598	6-21	PVC	CA Top
HWD2-20D	USX	41°37' 03"/87°17' 15"	413703087171501	12-93	Auger	617	62-72	PVC	CA Middle
HWD2-20S	USX	41°37' 03"/87°17' 15"	413703087171502	12-93	Auger	617	23-38	PVC	CA Middle
HWT2-9	USX	41°37' 52"/87°22' 35"	413752087223501	04-84	Auger	608	50-70	PVC	Slag + CA
HWT2-10	USX	41°37' 32"/87°23' 22"	413732087232201	04-84	Auger	589	24-44	PVC	CA Top
HWT2-12D	USX	41°37' 38"/87°22' 48"	413738087224803	03-91	Auger	600	49-59	PVC	CA Bottom
HWT2-12S	USX	41°37' 38"/87°22' 48"	413738087224801	03-91	Auger	601	14-29	PVC	Slag and CA
HWT14-5	USX	41°37' 22"/87°22' 55"	413722087225501	04-84	Auger	589	37-47	PVC	CA Bottom
P-4	USX	41°37' 44"/87°22' 39"	413744087223901	04-84	Auger	603	25-35	PVC	Slag
P-11	USX	41°37' 34"/87°22' 51"	413734087225101	04-84	Auger	596	15-25	PVC	CA Top
MW-1	USEPA	41°41' 44"/87°30' 41"	414144087304101	?	Auger	591	21-24	SS 304	CA Bottom
MW-1G	ISPAT	41°40' 33"/87°24' 55"	414033087245501	?	Drilled	594	?-13	PVC	Slag
MW-2	ISPAT	41°40' 33"/87°24' 55"	414033087245502	?	Drilled	594	?-124	PVC	Silurian

¹ This well also known as LK-13, a continuous recording water-level well operated by the USGS as part of a statewide ground-water-data network. Water levels for LK-13 are published in the U.S. Geological Survey water data reports, IN-87-1 to IN-01-1, and on page 560 of this report.

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 2. Period of record for observation wells in the Northern Lake County network.

Well name	Period of Record		Well name	Period of Record	
	Beginning (month-year)	End (month-year)		Beginning (month-year)	End (month-year)
A-1	10-1985	09-2002	C-19	12-1986	09-2002
A-2	06-1987	09-2002	C-20	08-1985	03-2002
A-3	06-1987	03-1998	C-25	12-1985	09-2002
A-4	06-1987	09-2002	CGA-3	10-1985	03-1999
A-5	12-1985	09-2002	CGA-4	10-1985	08-1999
A-6	07-1987	09-2002	D-1	08-1985	09-2002
A-10	10-1985	09-2002	D-5	08-1985	09-2002
A-15	10-1985	09-2002	D-10	08-1985	09-2002
A-20	01-1986	09-2002	D-11	06-1987	09-2002
B-1	08-1985	09-1999	D-20	08-1985	01-1995
B-2	06-1987	09-2002	D-21	07-1987	09-2002
B-3	07-1987	06-2000	D-25	12-1985	09-2002
B-5	08-1985	09-2002	D-30	12-1985	09-2002
B-7	06-1987	09-2002	D-31	07-1987	09-2002
B-8	07-1987	09-2002	D-35	12-1985	06-2001
B-10	12-1985	09-2002	D-40	10-1985	09-2002
BH-12	06-1992	09-2002	D-45	10-1985	09-2002
BH-13	06-1992	09-2002	D-50	12-1985	09-2002
BH-14	06-1992	09-2002	D-55	10-1985	01-1995
BH-15	06-1992	09-2002	D-60	10-1985	01-1995
BH-17	06-1992	09-2002	D-66	07-1987	09-2002
BH-19	06-1992	09-2002	D-67	07-1987	09-2002
BH-20	06-1992	09-1998	D-68	07-1987	09-2002
BH-31	04-1993	09-1998	D-70	01-1986	09-2002
BH-32-D	07-1996	09-2001	D-75	01-1986	09-2002
BH-32-I	07-1996	09-2001	E-1	12-1985	09-2002
BH-32-S	07-1996	09-2001	E-2	06-1987	09-2002
BH-32-SL	07-1996	09-2001	E-3	06-1987	09-2002
BH-33-I	07-1996	03-2002	E-5	08-1985	09-2002
BH-33-S	07-1996	03-2002	E-6	06-1987	09-2002
BH-33-SL	07-1996	03-2002	E-7	06-1987	09-2002
BH-34-D	06-1996	07-1998	E-10	10-1985	09-2002
BH-34-SH	06-1996	07-1998	E-15	10-1985	04-2002
BR-1	01-1995	09-2002	E-20	08-1985	06-2002
BR-2	01-1995	09-2002	HWD2-19D	07-1995	09-2002
BR-3	07-1995	09-2002	HWD2-19S	07-1995	09-2002
BR-4	07-1995	09-2002	HWD2-20D	07-1996	09-2002
BR-5	07-1995	09-2002	HWD2-20S	07-1996	09-2002
C-1	12-1985	09-2002	HWT2-9	12-1985	09-2002
C-2	07-1987	09-1998	HWT2-10	12-1985	12-1997
C-3	06-1987	09-2002	HWT2-12D	12-1992	12-1998
C-4	06-1987	09-2002	HWT2-12S	06-1992	12-1998
C-5	10-1985	09-2002	HWT14-5	12-1985	09-2002
C-10	10-1985	09-2002	P-4	12-1985	09-2002
C-12	08-1987	09-2002	P-11	10-1985	09-2002
C-15	10-1985	03-1998	MW-1	06-1992	09-2002
C-17	07-1986	09-2001	MW-1G	10-1992	09-2002
C-18	06-1987	06-2000	MW-2	10-1992	09-2002

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water-level records for observation wells in the Northern Lake County network, collected during water year 2002 and summary statistics.

SITE ID NUMBER: 413647087191901
 STATION NAME: USGS WELL A-1 @ USX NR. BOAT SLIP, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	18.65	MAR 27	19.28	JUL 10	18.55	SEP 04	18.96

WATER YEAR 2002 HIGHEST 18.55 JUL 10, 2002 LOWEST 19.28 MAR 27, 2002
 PERIOD OF RECORD HIGHEST 15.72 SEP 08, 1993 LOWEST 20.12 MAR 29, 2000
 RECORD AVAILABLE FROM OCT 24, 1985 TO SEP 04, 2002 58 ENTRIES

SITE ID NUMBER: 413706087181800
 STATION NAME: USGS WELL A-2 @ USX, NR. LAKE, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	17.19	MAR 27	17.97	JUL 10	17.75	SEP 04	18.28

WATER YEAR 2002 HIGHEST 17.19 DEC 12, 2001 LOWEST 18.28 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 14.83 SEP 08, 1993 LOWEST 18.28 SEP 04, 2002
 RECORD AVAILABLE FROM JUN 26, 1987 TO SEP 04, 2002 47 ENTRIES

SITE ID NUMBER: 413630087182100
 STATION NAME: USGS WELL A-4 @ USX COKE PL, S OF GCR, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	13.54	MAR 25	13.40	JUL 08	13.55	SEP 03	13.74

WATER YEAR 2002 HIGHEST 13.40 MAR 25, 2002 LOWEST 13.74 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 13.07 JAN 20, 1995 LOWEST 14.41 JAN 03, 2000
 RECORD AVAILABLE FROM JUN 26, 1987 TO SEP 03, 2002 47 ENTRIES

SITE ID NUMBER: 413629087192102
 STATION NAME: USGS WELL A-5 @ USX, N OF GCR, @ GARY HARBOR

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	14.95	MAR 27	14.88	JUL 10	14.92	SEP 04	15.32

WATER YEAR 2002 HIGHEST 14.88 MAR 27, 2002 LOWEST 15.32 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 13.64 SEP 08, 1993 JUN 29, 2000 LOWEST 15.63 JAN 05, 2000
 RECORD AVAILABLE FROM DEC 17, 1985 TO SEP 04, 2002 53 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.—Continued

SITE ID NUMBER: 413706087170101							
STATION NAME: USGS WELL A-6, E OF USX IN DUNES NAT LKSH, GARY IN							
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM							
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002							
DATE	WATER	DATE	WATER	DATE	WATER	DATE	WATER
	LEVEL		LEVEL		LEVEL		LEVEL
DEC 12	3.65	MAR 27	3.58	SEP 03	4.37		
WATER YEAR 2002	HIGHEST	3.58	MAR 27, 2002	LOWEST	4.37	SEP 03, 2002	
PERIOD OF RECORD	HIGHEST	2.65	JUN 10, 1993	LOWEST	4.86	OCT 12, 1988	
							RECORD AVAILABLE FROM JUL 14, 1987 TO SEP 03, 2002
							27 ENTRIES

SITE ID NUMBER: 413626087191901							
STATION NAME: USGS WELL A-10 @ USX, N OF GCR, @ GARY HARBOR							
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM							
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002							
DATE	WATER	DATE	WATER	DATE	WATER	DATE	WATER
	LEVEL		LEVEL		LEVEL		LEVEL
DEC 12	4.78	MAR 27	4.72	JUL 10	5.33	SEP 04	4.45
WATER YEAR 2002	HIGHEST	4.45	SEP 04, 2002	LOWEST	5.33	JUL 10, 2002	
PERIOD OF RECORD	HIGHEST	3.89	JUN 26, 1987	LOWEST	5.77	AUG 29, 2000	
							RECORD AVAILABLE FROM OCT 24, 1985 TO SEP 04, 2002
							51 ENTRIES

SITE ID NUMBER: 413617087191201							
STATION NAME: USGS WELL A15 @ GARY, IN.							
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")							
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002							
DATE	WATER	DATE	WATER	DATE	WATER	DATE	WATER
	LEVEL		LEVEL		LEVEL		LEVEL
MAR 25	.52	SEP 03	1.44				
WATER YEAR 2002	HIGHEST	.52	MAR 25, 2002	LOWEST	1.44	SEP 03, 2002	
PERIOD OF RECORD	HIGHEST	+ .99	MAR 19, 1991	LOWEST	1.73	JAN 03, 2000	
							RECORD AVAILABLE FROM OCT 24, 1985 TO SEP 03, 2002
							55 ENTRIES

SITE ID NUMBER: 413503087193501							
STATION NAME: USGS WELL A20 @ GARY, IN							
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM							
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002							
DATE	WATER	DATE	WATER	DATE	WATER	DATE	WATER
	LEVEL		LEVEL		LEVEL		LEVEL
DEC 11	18.00	MAR 25	17.85	JUL 08	18.96	SEP 03	18.24
WATER YEAR 2002	HIGHEST	17.85	MAR 25, 2002	LOWEST	18.96	JUL 08, 2002	
PERIOD OF RECORD	HIGHEST	17.32	JUL 12, 1996	JUL 01, 1997	LOWEST	19.07	MAR 06, 1986
							RECORD AVAILABLE FROM JAN 03, 1986 TO SEP 03, 2002
							63 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413752087223500
 STATION NAME: USGS WELL B2 @ USXBY HWT-2-9 @ GARY,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	29.11	MAR 27	28.92	JUL 10	28.28	SEP 04	28.69

WATER YEAR 2002 HIGHEST 28.28 JUL 10, 2002 LOWEST 29.11 DEC 12, 2001
 PERIOD OF RECORD HIGHEST 25.92 JUN 25, 1987 LOWEST 29.53 MAR 29, 2000
 RECORD AVAILABLE FROM JUN 25, 1987 TO SEP 04, 2002 46 ENTRIES

SITE ID NUMBER: 413632087234001
 STATION NAME: USGS WELL B5 AT GARY IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	4.60	MAR 27	4.47	JUL 09	4.53	SEP 05	5.56

WATER YEAR 2002 HIGHEST 4.47 MAR 27, 2002 LOWEST 5.56 SEP 05, 2002
 PERIOD OF RECORD HIGHEST 2.77 JUN 09, 1993 LOWEST 7.66 OCT 11, 1988
 RECORD AVAILABLE FROM AUG 28, 1985 TO SEP 05, 2002 66 ENTRIES

SITE ID NUMBER: 413617087225202
 STATION NAME: USGS WELL B7 SHALLOW @ CHASE ST. @ GARY,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.65	MAR 26	8.31	JUL 09	8.42	SEP 03	9.40

WATER YEAR 2002 HIGHEST 8.31 MAR 26, 2002 LOWEST 9.40 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 6.84 JUN 09, 1993 LOWEST 9.40 SEP 09, 1992
 RECORD AVAILABLE FROM JUN 22, 1987 TO SEP 03, 2002 50 ENTRIES

SITE ID NUMBER: 413617087225201
 STATION NAME: USGS WELL B8 DEEP @ CHASE ST. @ GARY,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.67	MAR 26	8.33	JUL 09	8.44	SEP 03	9.42

WATER YEAR 2002 HIGHEST 8.33 MAR 26, 2002 LOWEST 9.42 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 6.88 JUN 09, 1993 LOWEST 9.42 SEP 09, 1992 SEP 03, 2002
 RECORD AVAILABLE FROM JUL 14, 1987 TO SEP 03, 2002 51 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413544087233700

STATION NAME: USGS WELL B10 @ BRUNSWICK @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	13.78	MAR 26	13.04	JUL 09	13.30	SEP 05	14.91

WATER YEAR 2002 HIGHEST 13.04 MAR 26, 2002 LOWEST 14.91 SEP 05, 2002
 PERIOD OF RECORD HIGHEST 11.47 MAR 20, 1991 LOWEST 15.15 JAN 04, 2000
 RECORD AVAILABLE FROM DEC 10, 1985 TO SEP 05, 2002 64 ENTRIES

SITE ID NUMBER: 413620087204401

STATION NAME: USEPA WELL BH-12 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	12.05	MAR 25	11.79	JUL 08	11.68	SEP 03	12.50

WATER YEAR 2002 HIGHEST 11.68 JUL 08, 2002 LOWEST 12.50 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 10.80 SEP 08, 1993 LOWEST 13.27 MAR 28, 1996
 RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 03, 2002 31 ENTRIES

SITE ID NUMBER: 413548087204001

STATION NAME: USEPA WELL BH-13 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	10.57	MAR 27	10.07	JUL 08	10.55	SEP 03	11.29

WATER YEAR 2002 HIGHEST 10.07 MAR 27, 2002 LOWEST 11.29 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 9.61 MAR 24, 1998 LOWEST 11.29 SEP 03, 2002
 RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 03, 2002 32 ENTRIES

SITE ID NUMBER: 413445087204701

STATION NAME: USEPA WELL BH-14 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	6.35	JUL 08	5.57	SEP 03	5.80

WATER YEAR 2002 HIGHEST 5.57 JUL 08, 2002 LOWEST 6.35 DEC 11, 2001
 PERIOD OF RECORD HIGHEST 2.59 JUL 12, 1996 LOWEST 9.49 MAR 27, 2000
 RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 03, 2002 30 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 414120087304701
 STATION NAME: USEPA WELL BH-15 AT HAMMOND, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	2.10	MAR 26	2.22	JUL 09	2.40	SEP 04	2.28

WATER YEAR 2002 HIGHEST 2.10 DEC 10, 2001 LOWEST 2.40 JUL 09, 2002
 PERIOD OF RECORD HIGHEST 1.28 MAR 29, 1996 LOWEST 2.48 APR 10, 2001
 RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 04, 2002 30 ENTRIES

SITE ID NUMBER: 413706087150701
 STATION NAME: USEPA WELL BH-17 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	12.26	MAR 25	12.08	JUL 08	11.42	SEP 03	12.05

WATER YEAR 2002 HIGHEST 11.42 JUL 08, 2002 LOWEST 12.26 DEC 11, 2001
 PERIOD OF RECORD HIGHEST 10.00 SEP 08, 1993 LOWEST 13.08 JAN 03, 2000
 RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 03, 2002 31 ENTRIES

SITE ID NUMBER: 413516087222301
 STATION NAME: USEPA WELL BH-19 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 25	6.03	JUL 08	10.89	SEP 03	11.54

WATER YEAR 2002 HIGHEST 6.03 MAR 25, 2002 LOWEST 11.54 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 6.03 MAR 25, 2002 LOWEST 11.54 SEP 03, 2002
 RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 03, 2002 19 ENTRIES

SITE ID NUMBER: 413951087301901
 STATION NAME: USGS WELL BH-33-INTERMEDIATE @ BAIRSTOW SLAG DUMP

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	2.33	MAR 26	2.09

WATER YEAR 2002 HIGHEST 2.09 MAR 26, 2002 LOWEST 2.33 DEC 11, 2001
 PERIOD OF RECORD HIGHEST 1.07 JUN 05, 2001 LOWEST 5.73 JUN 24, 1997
 RECORD AVAILABLE FROM JUL 17, 1996 TO MAR 26, 2002 18 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.—Continued

SITE ID NUMBER: 413951087301902

STATION NAME: USGS WELL BH-33-SHALLOW @ BAIRSTOW SLAG DUMP

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

DEC 11	2.17	MAR 26	1.94
--------	------	--------	------

WATER YEAR 2002 HIGHEST 1.94 MAR 26, 2002 LOWEST 2.17 DEC 11, 2001
 PERIOD OF RECORD HIGHEST 1.53 JUL 31, 1996 AUG 02, 1996 LOWEST 4.66 JUN 24, 1997
 RECORD AVAILABLE FROM JUL 17, 1996 TO MAR 26, 2002 16 ENTRIES

SITE ID NUMBER: 413951087301903

STATION NAME: USGS WELL BH-33-SLAG @ BAIRSTOW SLAG DUMP

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

DEC 11	1.99	MAR 26	1.73
--------	------	--------	------

WATER YEAR 2002 HIGHEST 1.73 MAR 26, 2002 LOWEST 1.99 DEC 11, 2001
 PERIOD OF RECORD HIGHEST 1.27 JUL 31, 1996 LOWEST 4.59 JUN 24, 1997
 RECORD AVAILABLE FROM JUL 17, 1996 TO MAR 26, 2002 16 ENTRIES

SITE ID NUMBER: 413734087225101

STATION NAME: USX WELL (B)P-11 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------	------	----------------	------	----------------

DEC 11	10.69	MAR 26	10.82	JUL 09	10.57	SEP 03	11.30
--------	-------	--------	-------	--------	-------	--------	-------

WATER YEAR 2002 HIGHEST 10.57 JUL 09, 2002 LOWEST 11.30 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 8.41 JUN 08, 1993 LOWEST 11.78 MAR 27, 1996
 RECORD AVAILABLE FROM OCT 12, 1985 TO SEP 03, 2002 57 ENTRIES

SITE ID NUMBER: 413328087202301

STATION NAME: USGS WELL BR-1, AT IU-NW CAMPUS, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------	------	----------------	------	----------------

DEC 11	.80	MAR 25	.20	JUL 08	.30	SEP 03	.32
--------	-----	--------	-----	--------	-----	--------	-----

WATER YEAR 2002 HIGHEST .20 MAR 25, 2002 LOWEST .80 DEC 11, 2001
 PERIOD OF RECORD HIGHEST +.29 JUN 26, 2000 LOWEST 3.06 JAN 18, 1995
 RECORD AVAILABLE FROM JAN 18, 1995 TO SEP 03, 2002 30 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413437087150601
 STATION NAME: USGS WELL BR-2 @ FOUR WINDS PARK, LAKE STATION, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	.12	MAR 25	1.61	JUL 08	3.47	SEP 03	4.63
WATER YEAR 2002 HIGHEST		.12	DEC 11, 2001		LOWEST		4.63
PERIOD OF RECORD HIGHEST		+1.36	JUN 26, 2000		LOWEST		4.63
							SEP 03, 2002
RECORD AVAILABLE FROM JAN 24, 1995 TO SEP 03, 2002							30 ENTRIES

SITE ID NUMBER: 413419087301701
 STATION NAME: USGS WELL BR-3 AT RIVERSIDE PARK, HAMMOND, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 09	1.47	SEP 04	2.68
WATER YEAR 2002 HIGHEST		1.47	JUL 09, 2002
PERIOD OF RECORD HIGHEST		1.47	JUL 09, 2002
		LOWEST	
		2.68	SEP 04, 2002
		LOWEST	
		9.34	JUL 21, 1995
RECORD AVAILABLE FROM JUL 21, 1995 TO SEP 04, 2002			
15 ENTRIES			

SITE ID NUMBER: 413328087202301
 STATION NAME: USGS WELL BR-1, AT IU-NW CAMPUS, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	.80	MAR 25	.20	JUL 08	.30	SEP 03	.32
WATER YEAR 2002 HIGHEST		.20	MAR 25, 2002		LOWEST		.80
PERIOD OF RECORD HIGHEST		+1.29	JUN 26, 2000		LOWEST		3.06
							JAN 18, 1995
RECORD AVAILABLE FROM JAN 18, 1995 TO SEP 03, 2002							30 ENTRIES

SITE ID NUMBER: 413437087150601
 STATION NAME: USGS WELL BR-2 @ FOUR WINDS PARK, LAKE STATION, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	.12	MAR 25	1.61	JUL 08	3.47	SEP 03	4.63
WATER YEAR 2002 HIGHEST		.12	DEC 11, 2001		LOWEST		4.63
PERIOD OF RECORD HIGHEST		+1.36	JUN 26, 2000		LOWEST		4.63
							SEP 03, 2002
RECORD AVAILABLE FROM JAN 24, 1995 TO SEP 03, 2002							30 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413419087301701

STATION NAME: USGS WELL BR-3 AT RIVERSIDE PARK, HAMMOND, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 09	1.47	SEP 04	2.68

WATER YEAR 2002 HIGHEST 1.47 JUL 09, 2002 LOWEST 2.68 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 1.47 JUL 09, 2002 LOWEST 9.34 JUL 21, 1995
 RECORD AVAILABLE FROM JUL 21, 1995 TO SEP 04, 2002 15 ENTRIES

SITE ID NUMBER: 413716087232601

STATION NAME: USGS WELL BR-4, IDNR BONGI PROP, CLARK ST, GARY, I

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	10.34	MAR 26	22.61	JUL 09	40.24	SEP 03	45.89

WATER YEAR 2002 HIGHEST 10.34 DEC 11, 2001 LOWEST 45.89 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 8.01 MAR 02, 1999 JUN 06, 2001 LOWEST 45.89 SEP 03, 2002
 RECORD AVAILABLE FROM JUL 21, 1995 TO SEP 03, 2002 25 ENTRIES

SITE ID NUMBER: 413732087255801

STATION NAME: USEPA WELL BR-5 @ SR-912 & US-12, EAST CHICAGO, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	14.77	MAR 27	15.21	JUL 10	18.88	SEP 05	23.11

WATER YEAR 2002 HIGHEST 14.77 DEC 11, 2001 LOWEST 23.11 SEP 05, 2002
 PERIOD OF RECORD HIGHEST 14.26 MAR 03, 1999 LOWEST 23.11 SEP 05, 2002
 RECORD AVAILABLE FROM JUL 21, 1995 TO SEP 05, 2002 25 ENTRIES

SITE ID NUMBER: 413830087260000

STATION NAME: USGS WELL C1 @ CLINE&GUTHRIE @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	3.98	MAR 27	3.96	JUL 10	3.99	SEP 05	4.91

WATER YEAR 2002 HIGHEST 3.96 MAR 27, 2002 LOWEST 4.91 SEP 05, 2002
 PERIOD OF RECORD HIGHEST 2.04 JUN 11, 1993 LOWEST 5.30 OCT 11, 1988
 RECORD AVAILABLE FROM DEC 09, 1985 TO SEP 05, 2002 65 ENTRIES

MISCELLANEOUS PROJECT DATA

627

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413828087251301
 STATION NAME: USGS WELL C3 @ BUFFINGTON HARBOR, E. CHICAGO, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	9.45	MAR 27	9.24	JUL 10	8.50	SEP 05	8.28
WATER YEAR 2002 HIGHEST		8.28	SEP 05, 2002		LOWEST		9.45 DEC 11, 2001
PERIOD OF RECORD HIGHEST		7.05	JUN 11, 1993		LOWEST		9.63 MAR 29, 2000
RECORD AVAILABLE FROM JUN 24, 1987 TO SEP 05, 2002							48 ENTRIES

SITE ID NUMBER: 413828087251302
 STATION NAME: USGS WELL C4 @ BUFFINGTON HARBOR, E. CHICAGO IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	9.60	MAR 27	9.38	JUL 10	8.64	SEP 05	9.41
WATER YEAR 2002 HIGHEST		8.64	JUL 10, 2002		LOWEST		9.60 DEC 11, 2001
PERIOD OF RECORD HIGHEST		6.69	SEP 08, 1998		LOWEST		9.82 MAR 29, 2000
RECORD AVAILABLE FROM JUN 24, 1987 TO SEP 05, 2002							48 ENTRIES

SITE ID NUMBER: 413655087275202
 STATION NAME: USGS WELL C-5 DUPONT PROPERTY NORTH (RPD=96)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL
SEP 05	3.49
PERIOD OF RECORD HIGHEST +.91 JUN 10, 1993	
LOWEST 3.49 SEP 05, 2002	
RECORD AVAILABLE FROM OCT 25, 1985 TO SEP 05, 2002	
37 ENTRIES	

SITE ID NUMBER: 413652087274901
 STATION NAME: USGS WELL C-10 DUPONT PROPERTY MIDDLE (RPD=24)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
DEC 12	1.61	MAR 26	1.38	SEP 05	3.06	
WATER YEAR 2002 HIGHEST		1.38	MAR 26, 2002		LOWEST 3.06 SEP 05, 2002	
PERIOD OF RECORD HIGHEST		+0.1	NOV 27, 1985		LOWEST 3.29 AUG 29, 2000	
RECORD AVAILABLE FROM OCT 25, 1985 TO SEP 05, 2002						
61 ENTRIES						

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.—Continued

SITE ID NUMBER: 413650087262000

STATION NAME: USGS WELL C12 DEEP AT EAST CHICAGO, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	1.80	MAR 26	1.56	JUL 10	2.03	SEP 05	3.09
WATER YEAR 2002		HIGHEST	1.56 MAR 26, 2002	LOWEST	3.09 SEP 05, 2002		
PERIOD OF RECORD		HIGHEST	.27 NOV 28, 1990	LOWEST	3.34 AUG 29, 2000	SEP 05, 2001	
		RECORD AVAILABLE FROM AUG 05, 1987 TO SEP 05, 2002					46 ENTRIES

SITE ID NUMBER: 413559087270301

STATION NAME: LAKE 13 (LK 13)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	+1.86	MAR 26	+2.34	JUL 09	+0.32	SEP 05	1.34
WATER YEAR 2002		HIGHEST	+2.34 MAR 26, 2002	LOWEST	1.34 SEP 05, 2002		
PERIOD OF RECORD		HIGHEST	+2.79 FEB 27, 2001	LOWEST	4.90 OCT 12, 1988		
		RECORD AVAILABLE FROM JUL 18, 1986 TO SEP 05, 2002					33 ENTRIES

SITE ID NUMBER: 413617087262001

STATION NAME: USGS WELL C19 AT HAMMOND IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	1.50	MAR 26	1.58	JUL 10	2.37	SEP 05	3.83
WATER YEAR 2002		HIGHEST	1.50 DEC 12, 2001	LOWEST	3.83 SEP 05, 2002		
PERIOD OF RECORD		HIGHEST	+0.61 MAR 18, 1993	LOWEST	3.83 SEP 05, 2002		
		RECORD AVAILABLE FROM DEC 15, 1986 TO SEP 05, 2002					46 ENTRIES

SITE ID NUMBER: 413557087283901

STATION NAME: USGS WELL C20 @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	+0.35	MAR 26	+0.50				
WATER YEAR 2002		HIGHEST	+0.50 MAR 26, 2002	LOWEST	+0.35 DEC 12, 2001		
PERIOD OF RECORD		HIGHEST	+1.35 NOV 29, 1990	LOWEST	5.75 MAR 04, 1986		
		RECORD AVAILABLE FROM AUG 28, 1985 TO MAR 26, 2002					50 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413527087254301
 STATION NAME: USGS WELL C25 AT GARY IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	2.09	MAR 26	2.08	JUL 09	3.44	SEP 05	DRY
WATER YEAR 2002 HIGHEST		2.08	MAR 26, 2002		LOWEST		3.44
PERIOD OF RECORD HIGHEST		.46	FEB 27, 2001		LOWEST		4.17
							AUG 31, 1999
RECORD AVAILABLE FROM DEC 05, 1985 TO SEP 05, 2002							59 ENTRIES

SITE ID NUMBER: 414052087291201
 STATION NAME: USGS WELL D1 @ WHITING,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
DEC 10	DRY	MAR 28	DRY	SEP 05	DRY	
WATER YEAR 2002 HIGHEST		--	LOWEST		--	
PERIOD OF RECORD HIGHEST		6.76	AUG 25, 1985		LOWEST	
					9.09	SEP 08, 1992
RECORD AVAILABLE FROM AUG 25, 1985 TO SEP 05, 2002						64 ENTRIES

SITE ID NUMBER: 414044087290801
 STATION NAME: USGS WELL D5 AT WHITING IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	DRY	MAR 28	7.18	JUL 09	7.03	SEP 05	DRY
WATER YEAR 2002 HIGHEST		7.03	JUL 09, 2002		LOWEST		7.18
PERIOD OF RECORD HIGHEST		4.10	SEP 07, 1993		LOWEST		7.27
							JUN 05, 2001
RECORD AVAILABLE FROM AUG 28, 1985 TO SEP 05, 2002							61 ENTRIES

SITE ID NUMBER: 414043087290802
 STATION NAME: USGS WELL D10 @ WHITING,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	7.43	MAR 28	7.14	JUL 09	7.00	SEP 05	7.53
WATER YEAR 2002 HIGHEST		7.00	JUL 09, 2002		LOWEST		7.53
PERIOD OF RECORD HIGHEST		4.12	SEP 07, 1993		LOWEST		8.38
							JAN 06, 2000
RECORD AVAILABLE FROM AUG 28, 1985 TO SEP 05, 2002							70 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.—Continued

SITE ID NUMBER: 414043087290801

STATION NAME: USGS WELL D11 DEEP @ WHITING GARAGE @ WHITING, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	7.29	MAR 28	7.01	JUL 09	6.87	SEP 05	7.39

WATER YEAR 2002 HIGHEST 6.87 JUL 09, 2002 LOWEST 7.39 SEP 05, 2002
 PERIOD OF RECORD HIGHEST 4.01 SEP 07, 1993 LOWEST 7.72 JAN 06, 2000
 RECORD AVAILABLE FROM JUN 11, 1987 TO SEP 05, 2002 54 ENTRIES

SITE ID NUMBER: 413941087292600

STATION NAME: USGS WELL D21 @ AMOCO PARK @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	3.45	MAR 27	3.28	JUL 09	3.56	SEP 04	3.74

WATER YEAR 2002 HIGHEST 3.28 MAR 27, 2002 LOWEST 3.74 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 1.48 NOV 28, 1990 LOWEST 4.74 DEC 12, 1997
 RECORD AVAILABLE FROM JUL 17, 1987 TO SEP 04, 2002 53 ENTRIES

SITE ID NUMBER: 413804087291102

STATION NAME: USGS WELL D-25 DICKY ROAD AT IHC WEST (RPD=96)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	5.11	MAR 28	5.46	JUL 09	5.19	SEP 04	2.88

WATER YEAR 2002 HIGHEST 2.88 SEP 04, 2002 LOWEST 5.46 MAR 28, 2002
 PERIOD OF RECORD HIGHEST 1.94 JUN 09, 1993 LOWEST 5.98 MAR 29, 2000
 RECORD AVAILABLE FROM DEC 05, 1985 TO SEP 04, 2002 61 ENTRIES

SITE ID NUMBER: 413758087290702

STATION NAME: USGS WELL D-30 DICKY ROAD AT IHC MIDDLE (RPD=96)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	5.78	MAR 28	5.81	JUL 09	5.20	SEP 04	5.67

WATER YEAR 2002 HIGHEST 5.20 JUL 09, 2002 LOWEST 5.81 MAR 28, 2002
 PERIOD OF RECORD HIGHEST 2.43 DEC 05, 1985 LOWEST 6.09 MAR 29, 2000
 RECORD AVAILABLE FROM DEC 05, 1985 TO SEP 04, 2002 61 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413907087275901
 STATION NAME: USGS WELL D31 DEEP @ DICKY RD. @ EAST CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
DEC 10	5.74	MAR 28	5.76	JUL 09	5.17	SEP 04	5.64	
WATER YEAR 2002	HIGHEST	5.17	JUL 09, 2002	LOWEST	5.76	MAR 28, 2002		
PERIOD OF RECORD	HIGHEST	2.71	JUN 09, 1993	LOWEST	6.03	JUN 29, 1999		
							RECORD AVAILABLE FROM JUL 16, 1987 TO SEP 04, 2002	51 ENTRIES

SITE ID NUMBER: 413835087245101
 STATION NAME: USGS WELL D40 @ E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
DEC 11	2.42	MAR 27	2.26	JUL 10	2.81	SEP 05	3.31	
WATER YEAR 2002	HIGHEST	2.26	MAR 27, 2002	LOWEST	3.31	SEP 05, 2002		
PERIOD OF RECORD	HIGHEST	.15	JUN 09, 1993	LOWEST	4.55	JUN 29, 1999		
							RECORD AVAILABLE FROM OCT 24, 1985 TO SEP 05, 2002	65 ENTRIES

SITE ID NUMBER: 413812087270201
 STATION NAME: USGS WELL D45 AT E. CHICAGO IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
DEC 11	4.75	MAR 27	4.51	JUL 10	4.87	SEP 05	5.03	
WATER YEAR 2002	HIGHEST	4.51	MAR 27, 2002	LOWEST	5.03	SEP 05, 2002		
PERIOD OF RECORD	HIGHEST	2.93	NOV 28, 1990	LOWEST	6.87	JUN 29, 1999		
							RECORD AVAILABLE FROM OCT 24, 1985 TO SEP 05, 2002	63 ENTRIES

SITE ID NUMBER: 413800087285401
 STATION NAME: USGS WELL D50 AT EAST CHICAGO IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
DEC 11	7.18	MAR 27	7.03	JUL 10	7.15	SEP 04	7.00	
WATER YEAR 2002	HIGHEST	7.00	SEP 04, 2002	LOWEST	7.18	DEC 11, 2001		
PERIOD OF RECORD	HIGHEST	5.98	JUN 10, 1993	LOWEST	7.46	SEP 08, 1992		
							RECORD AVAILABLE FROM DEC 13, 1985 TO SEP 04, 2002	55 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.—Continued

SITE ID NUMBER: 413654087274000

STATION NAME: USGS WELL D66 @DUPONT,KENNEDY&GR.CAL.@E.CHICAGO,IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

JUL 10	5.96	SEP 05	6.43
--------	------	--------	------

WATER YEAR 2002	HIGHEST	5.96	JUL 10, 2002	LOWEST	6.43	SEP 05, 2002	
PERIOD OF RECORD	HIGHEST	4.76	JUN 27, 1997	LOWEST	6.68	MAR 28, 2000	
						RECORD AVAILABLE FROM JUL 15, 1987 TO SEP 05, 2002	48 ENTRIES

SITE ID NUMBER: 413647087282502

STATION NAME: USGS WELL D67 SHALLOW NIPSCO SUBSTA AT HAMMOND IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------	------	----------------	------	----------------

DEC 12	3.66	MAR 26	DRY	JUL 10	4.21	SEP 04	6.21
--------	------	--------	-----	--------	------	--------	------

WATER YEAR 2002	HIGHEST	3.66	DEC 12, 2001	LOWEST	6.21	SEP 04, 2002	
PERIOD OF RECORD	HIGHEST	.34	NOV 28, 1990	LOWEST	6.21	SEP 04, 2002	
						RECORD AVAILABLE FROM JUL 16, 1987 TO SEP 04, 2002	50 ENTRIES

SITE ID NUMBER: 413647087282501

STATION NAME: USGS WELL D68 DEEP NIPSCO SUBSTA, AT HAMMOND, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------	------	----------------	------	----------------

DEC 12	3.82	MAR 26	3.61	JUL 10	4.38	SEP 04	6.38
--------	------	--------	------	--------	------	--------	------

WATER YEAR 2002	HIGHEST	3.61	MAR 26, 2002	LOWEST	6.38	SEP 04, 2002	
PERIOD OF RECORD	HIGHEST	.58	NOV 28, 1990	LOWEST	6.38	SEP 04, 2002	
						RECORD AVAILABLE FROM JUL 16, 1987 TO SEP 04, 2002	50 ENTRIES

SITE ID NUMBER: 413515087291401

STATION NAME: USGS WELL D70 AT HAMMOND IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------	------	----------------	------	----------------

DEC 12	4.12	MAR 26	3.84	JUL 10	4.48	SEP 04	5.10
--------	------	--------	------	--------	------	--------	------

WATER YEAR 2002	HIGHEST	3.84	MAR 26, 2002	LOWEST	5.10	SEP 04, 2002	
PERIOD OF RECORD	HIGHEST	1.10	NOV 28, 1990	LOWEST	5.10	SEP 04, 2002	
						RECORD AVAILABLE FROM JAN 07, 1986 TO SEP 04, 2002	56 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413435087291901
 STATION NAME: USGS WELL D-75 @ HAMMOND,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	4.51	MAR 26	4.55	JUL 10	4.80	SEP 04	5.02
WATER YEAR 2002 HIGHEST		4.51 DEC 12, 2001		LOWEST		5.02 SEP 04, 2002	
PERIOD OF RECORD HIGHEST		3.40 JUN 10, 1993		LOWEST		5.02 JUN 24, 1992 SEP 04, 2002	
RECORD AVAILABLE FROM JAN 07, 1986 TO SEP 04, 2002							61 ENTRIES

SITE ID NUMBER: 413844087310401
 STATION NAME: USGS WELL E1 @ HAMMOND,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	2.82	MAR 26	2.79	JUL 09	2.74	SEP 04	3.43
WATER YEAR 2002 HIGHEST		2.74 JUL 09, 2002		LOWEST		3.43 SEP 04, 2002	
PERIOD OF RECORD HIGHEST		1.08 JUL 18, 1996		LOWEST		3.97 OCT 12, 1988	
RECORD AVAILABLE FROM DEC 13, 1985 TO SEP 04, 2002							65 ENTRIES

SITE ID NUMBER: 414105087293900
 STATION NAME: USGS WELL E2 @ WHIHALA BEACH PARK @ WHITING,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	6.18	MAR 26	5.30	JUL 10	5.39	SEP 05	5.70
WATER YEAR 2002 HIGHEST		5.30 MAR 26, 2002		LOWEST		6.18 DEC 10, 2001	
PERIOD OF RECORD HIGHEST		2.95 JUN 09, 1987		LOWEST		6.20 JAN 06, 2000	
RECORD AVAILABLE FROM JUN 09, 1987 TO SEP 05, 2002							49 ENTRIES

SITE ID NUMBER: 414013087303300
 STATION NAME: USGS WELL E3 @ WOLF LAKE PARK @ HAMMOND,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	2.33	MAR 26	2.24	JUL 09	2.86	SEP 04	2.87
WATER YEAR 2002 HIGHEST		2.24 MAR 26, 2002		LOWEST		2.87 SEP 04, 2002	
PERIOD OF RECORD HIGHEST		.59 JUL 18, 1996		LOWEST		3.40 JUL 05, 1988	
RECORD AVAILABLE FROM JUN 22, 1987 TO SEP 04, 2002							56 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.—Continued

SITE ID NUMBER: 413810087305201

STATION NAME: USGS WELL E5 AT HAMMOND IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	5.35	MAR 26	5.06	JUL 09	5.25	SEP 04	5.87

WATER YEAR 2002 HIGHEST 5.06 MAR 26, 2002 LOWEST 5.87 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 3.60 JUL 10, 1993 LOWEST 5.98 SEP 06, 2001
 RECORD AVAILABLE FROM AUG 28, 1985 TO SEP 04, 2002 62 ENTRIES

SITE ID NUMBER: 413938087304301

STATION NAME: USGS WELL E6 @ 129TH&SHEFFIELD @ HAMMOND,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	1.09	MAR 26	1.12	JUL 09	2.41	SEP 04	2.69

WATER YEAR 2002 HIGHEST 1.09 DEC 10, 2001 LOWEST 2.69 SEP 04, 2002
 PERIOD OF RECORD HIGHEST .25 JUN 05, 2001 LOWEST 3.15 AUG 31, 1999
 RECORD AVAILABLE FROM JUN 22, 1987 TO SEP 04, 2002 53 ENTRIES

SITE ID NUMBER: 413938087304302

STATION NAME: USGS WELL E7 @ 129TH&SHEFFIELD @ HAMMOND,IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	1.04	MAR 26	1.05	JUL 09	2.42	SEP 04	2.67

WATER YEAR 2002 HIGHEST 1.04 DEC 10, 2001 LOWEST 2.67 SEP 04, 2002
 PERIOD OF RECORD HIGHEST .08 JUN 05, 2001 LOWEST 2.88 JUL 05, 1988
 RECORD AVAILABLE FROM JUN 22, 1987 TO SEP 04, 2002 55 ENTRIES

SITE ID NUMBER: 413722087304101

STATION NAME: USGS WELL E-10 SPOHN SCHOOL NORTH (RPD=24)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	4.21	JUL 09	4.18	SEP 04	6.01

WATER YEAR 2002 HIGHEST 4.18 JUL 09, 2002 LOWEST 6.01 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 2.46 JUN 10, 1993 LOWEST 6.11 SEP 06, 2001
 RECORD AVAILABLE FROM OCT 17, 1985 TO SEP 04, 2002 68 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413720087304201
 STATION NAME: USGS WELL E-15 SPOHN SCHOOL SOUTH (RPD=24)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 09	2.90	SEP 04	4.47

WATER YEAR 2002 HIGHEST 2.90 JUL 09, 2002 LOWEST 4.47 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 1.48 JUN 10, 1993 LOWEST 6.50 OCT 18, 1991
 RECORD AVAILABLE FROM OCT 30, 1985 TO SEP 04, 2002 55 ENTRIES

SITE ID NUMBER: 413627087310500
 STATION NAME: USGS WELL E20 @ EGGERS SCHOOL @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	3.36	JUL 09	3.92	SEP 04	4.83

WATER YEAR 2002 HIGHEST 3.36 DEC 11, 2001 LOWEST 4.83 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 2.17 JUN 10, 1993 LOWEST 4.86 AUG 20, 1986 OCT 11, 1988
 RECORD AVAILABLE FROM AUG 28, 1985 TO SEP 04, 2002 61 ENTRIES

SITE ID NUMBER: 413706087171901
 STATION NAME: USX WELL HWD2-19D, GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	14.98	MAR 27	14.95	JUL 10	15.77	SEP 04	15.31

WATER YEAR 2002 HIGHEST 14.95 MAR 27, 2002 LOWEST 15.77 JUL 10, 2002
 PERIOD OF RECORD HIGHEST 13.26 JUL 10, 1996 LOWEST 15.77 JUL 10, 2002
 RECORD AVAILABLE FROM JUL 18, 1995 TO SEP 04, 2002 17 ENTRIES

SITE ID NUMBER: 413706087171902
 STATION NAME: USX WELL HWD-2-19 SHALLOW, AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	14.85	MAR 27	14.81	JUL 10	15.64	SEP 04	DRY

WATER YEAR 2002 HIGHEST 14.81 MAR 27, 2002 LOWEST 15.64 JUL 10, 2002
 PERIOD OF RECORD HIGHEST 13.04 MAR 24, 1998 LOWEST 15.64 JUL 10, 2002
 RECORD AVAILABLE FROM JUL 18, 1995 TO SEP 04, 2002 18 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.—Continued

SITE ID NUMBER: 413703087171501

STATION NAME: USX WELL HWD-2-20D, AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	30.69	MAR 27	30.98	JUL 10	30.34	SEP 04	31.36

WATER YEAR 2002 HIGHEST 30.34 JUL 10, 2002 LOWEST 31.36 SEP 04, 2002
 PERIOD OF RECORD HIGHEST 29.93 JUL 01, 1999 LOWEST 31.68 JAN 05, 2000
 RECORD AVAILABLE FROM JUL 10, 1996 TO SEP 04, 2002 16 ENTRIES

SITE ID NUMBER: 413703087171502

STATION NAME: USX WELL HWD-2-20S AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	31.86	MAR 27	31.14	JUL 10	30.49	SEP 04	31.52

WATER YEAR 2002 HIGHEST 30.49 JUL 10, 2002 LOWEST 31.86 DEC 12, 2001
 PERIOD OF RECORD HIGHEST 30.10 JUL 01, 1999 LOWEST 32.06 SEP 01, 1999
 RECORD AVAILABLE FROM JUL 10, 1996 TO SEP 04, 2002 16 ENTRIES

SITE ID NUMBER: 413752087223501

STATION NAME: USX WELL (B)HWT2-9 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	29.43	MAR 27	29.40	JUL 10	28.73	SEP 04	29.15

WATER YEAR 2002 HIGHEST 28.73 JUL 10, 2002 LOWEST 29.43 DEC 12, 2001
 PERIOD OF RECORD HIGHEST 25.68 JUL 24, 1986 LOWEST 29.94 MAR 29, 2000
 RECORD AVAILABLE FROM DEC 10, 1985 TO SEP 04, 2002 55 ENTRIES

SITE ID NUMBER: 413722087225501

STATION NAME: USX WELL (B)HWT14-05 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	4.93	MAR 26	4.98	JUL 09	5.13	SEP 03	5.46

WATER YEAR 2002 HIGHEST 4.93 DEC 11, 2001 LOWEST 5.46 SEP 03, 2002
 PERIOD OF RECORD HIGHEST 3.01 FEB 27, 1990 LOWEST 5.46 SEP 03, 2002
 RECORD AVAILABLE FROM DEC 10, 1985 TO SEP 03, 2002 41 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 3. Water level records for observation wells in the Northern Lake County network, water years 1993-2002.-Continued

SITE ID NUMBER: 413744087223901
 STATION NAME: USX WELL (B)P-4 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	21.74	MAR 27	21.86	JUL 10	21.72	SEP 04	22.27
WATER YEAR 2002 HIGHEST		21.72	JUL 10, 2002		LOWEST		22.27 SEP 04, 2002
PERIOD OF RECORD HIGHEST		18.39	JUN 08, 1993		LOWEST		22.59 MAR 29, 2000
RECORD AVAILABLE FROM DEC 10, 1985 TO SEP 04, 2002							53 ENTRIES

SITE ID NUMBER: 413734087225101
 STATION NAME: USX WELL (B)P-11 AT GARY, IN

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	10.69	MAR 26	10.82	JUL 09	10.57	SEP 03	11.30
WATER YEAR 2002 HIGHEST		10.57	JUL 09, 2002		LOWEST		11.30 SEP 03, 2002
PERIOD OF RECORD HIGHEST		8.41	JUN 08, 1993		LOWEST		11.78 MAR 27, 1996
RECORD AVAILABLE FROM OCT 12, 1985 TO SEP 03, 2002							57 ENTRIES

SITE ID NUMBER: 414033087245501
 STATION NAME: ISPAT INLAND STEEL WELL MW-1G, EAST CHICAGO, IND.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	8.81	MAR 27	9.20	JUL 09	11.08	SEP 05	13.62
WATER YEAR 2002 HIGHEST		8.81	DEC 12, 2001		LOWEST		13.62 SEP 05, 2002
PERIOD OF RECORD HIGHEST		5.80	DEC 16, 1998		LOWEST		13.62 SEP 05, 2002
RECORD AVAILABLE FROM OCT 07, 1992 TO SEP 05, 2002							18 ENTRIES

SITE ID NUMBER: 414033087245502
 STATION NAME: ISPAT INLAND STEEL WELL MW-2, AT EAST CHICAGO, IND

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	DRY	MAR 27	9.89	JUL 09	DRY	SEP 05	DRY
WATER YEAR 2002 HIGHEST		9.89	MAR 27, 2002		LOWEST		9.89 MAR 27, 2002
PERIOD OF RECORD HIGHEST		9.16	MAR 03, 1999		LOWEST		13.60 JAN 05, 2000
RECORD AVAILABLE FROM OCT 07, 1992 TO SEP 05, 2002							18 ENTRIES

MISCELLANEOUS PROJECT DATA

GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 4. Location and description of surface-water stage measurement sites in Northern Lake County network measured during water year 2002.

Site name	Surface-water body	Latitude/longitude	USGS site identifier	Measurement location
S-1	Wolf Lake	41°40' 16"/87°30' 37"	414016087303701	Fishing pier in Wolf Lake Park, Hammond, Ind.
S-2	Lake George	41°40' 06"/87°30' 23"	414006087302301	125th Street, east of Calumet Ave., Hammond, Ind.
S-8	Sewer	41°38' 08"/87°27' 05"	413808087270501	Sewer grate, Washington Park, East Chicago, Ind.
S-10	Grand Calumet River	41°36' 40"/87°25' 13"	413640087251301	Confluence with drainage ditch, Gary, Ind.
S-13	Grand Calumet River	41°36' 32"/87°22' 18"	413632087221900	At Bridge Street bridge, Gary, Ind.
E-16S	Grand Calumet River	41°37' 19"/87°30' 44"	413719087304302	Spohn School, Hammond, Ind

MISCELLANEOUS PROJECT DATA

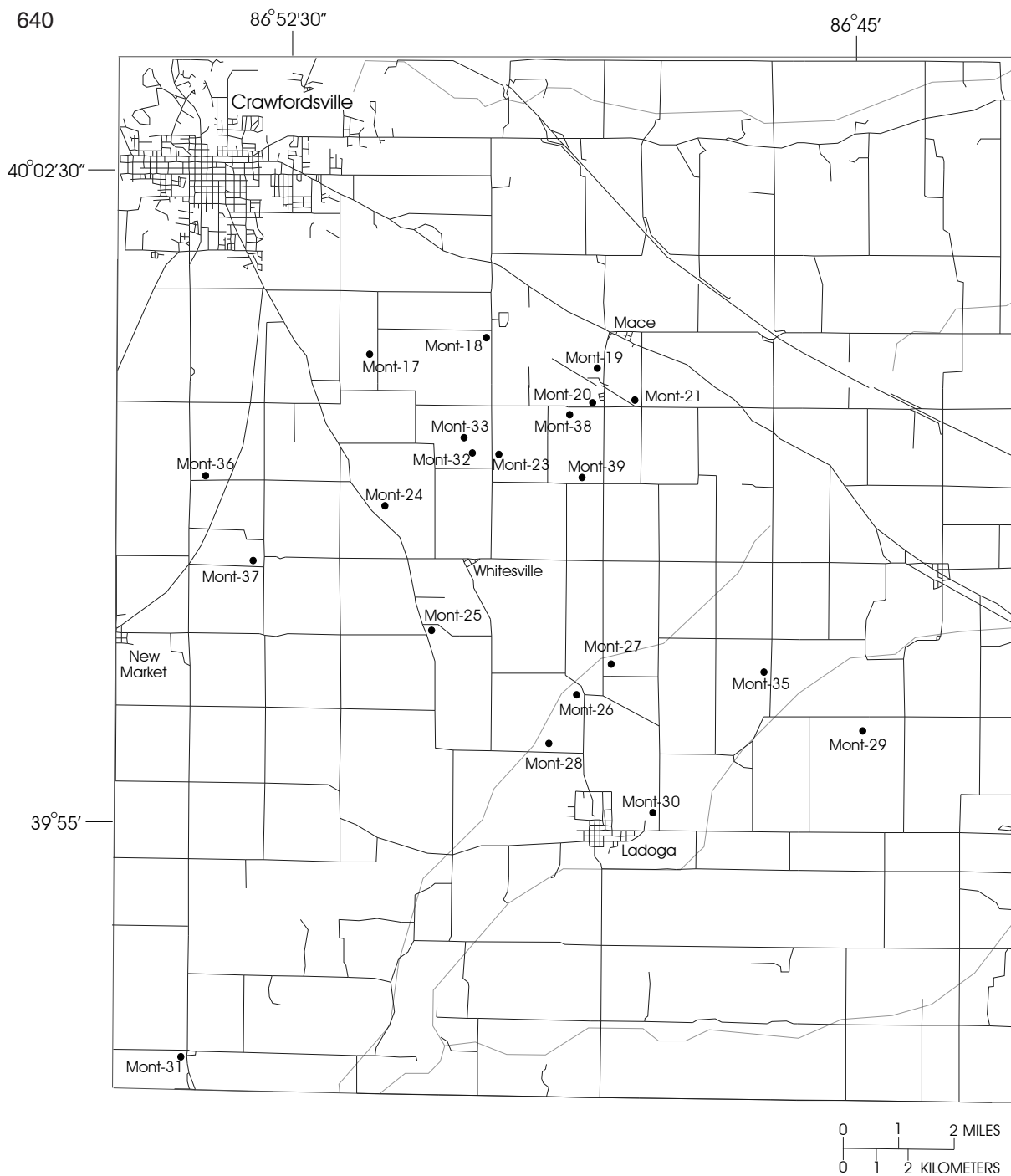
GROUND-WATER AND SURFACE-WATER LEVELS IN NORTHERN LAKE COUNTY, INDIANA

Table 5. Reference-point altitude and miscellaneous measurements of surface-water stage in the Northern Lake County network, water year 2002 and period of record.

ft, feet; LSD, land surface datum; --, not recorded; >, greater than

Site name	USGS site identifier	Period of record	Date	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above sea level) ¹
S-1	414016087303701	03-1986 through 09-2002	DEC 10, 2001	1.32	583.22
			MAR 26, 2002	1.40	583.29
			JUL 09, 2002	0.06	582.85
			SEP 04, 2002	1.53	582.99
S-2	414006087302301	05-1986 through 07-2002	DEC 11, 2001	0.72	579.69
			JUL 09, 2002	1.35	582.82
S-8	413808087270501	01-1986 through 09-2002	DEC 11, 2001	1.62	579.98
			MAR 26, 2002	1.40	583.07
			JUL 10, 2002	1.66	583.04
			SEP 05, 2002	1.73	
S-10	413640087251301	11-1985 through 12-2001	DEC 12, 2001	3.23	581.81
S-13	413632087221900	10-1988 through 09-2002	DEC 11, 2001	18.05	582.11
			MAR 26, 2002	18.04	617.74
			JUL 08, 2002	16.60	616.96
			SEP 06, 2002	17.45	617.47
E-16S	413719087304302	12-1985 through 09-2002	DEC 11, 2001	6.64	582.22
			MAR 26, 2002	5.91	595.58
			JUL 09, 2002	5.15	594.31
			SEP 03, 2002	17.39	595.92

¹ Several sites have multiple measuring points to accommodate changing site conditions.



Explanation

- Mont-17 Wells completed in the upper-weathered bedrock aquifer and sampled for arsenic in January and February, 2002

Figure 12.--Montgomery County wells sampled for arsenic in January and February, 2002.

ANALYTICAL RESULTS FOR SAMPLES COLLECTED FROM WELLS IN MONTGOMERY COUNTY

Arsenic-concentration data listed below are from water samples collected at miscellaneous wells in Montgomery County, Indiana. Samples were collected in January and February 2002. All wells included in this sampling were completed in an upper-weathered bedrock aquifer. The sampling was conducted through a cooperative agreement between the Montgomery County Commissioners and the U.S. Geological Survey

{USGS, U.S. Geological Survey; $\mu\text{g/L}$, micrograms per liter; CR, County Road; US, U.S. Highway; E and S, denote the geographic directions of east and south; <, less than}

Site name	Site location	USGS site identification	Date sampled	Dissolved arsenic concentration ($\mu\text{g/L}$)
Mont-17	CR250E near Crawfordsville	400004086512601	01/28/2002	<2.0
Mont-18	CR400E near Mace	400034086494201	01/23/2002	<2.0
Mont-19	CR550E at Linnsburg	400010086480101	01/23/2002	2.2
Mont-20	CR300S at Linnsburg	395946086480301	01/23/2002	10
Mont-21	CR600E at Linnsburg	395946086472701	01/23/2002	3.0
Mont-23	CR400E near Whitesville	395917086493801	01/23/2002	2.8
Mont-24	Ladoga Rd near Whitesville	395832086512201	02/05/2002	50
Mont-25	CR325 near Whitesville	395714086503901	01/23/2002	<2.0
Mont-26	CR525E near Ladoga	395637086482701	01/28/2002	<2.0
Mont-27	CR550E near Ladoga	395650086475701	01/28/2002	4.0
Mont-28	CR750S near Ladoga	395555086485001	01/28/2002	<2.0
Mont-29	CR700S near New Ross	395605086442001	01/28/2002	<2.0
Mont-30	CR625E at Ladoga	395501086470801	01/28/2002	2.1
Mont-31	US231 at Parkersburg	395222086541101	01/28/2002	<2.0
Mont-32	CR350S near Whitesville	395917086494701	01/23/2002	2.3
Mont-33	CR350S near Whitesville	395922086495501	01/23/2002	3.3
Mont-35	CR775E near Ladoga	395653086452801	01/28/2002	<2.0
Mont-36	CR400S near New Market	395855086540001	02/05/2002	2.0
Mont-37	CR510S near New Market	395756086531101	02/05/2002	<2.0
Mont-38	CR300S at Linnsburg	395943086483101	02/05/2002	<2.0
Mont-39	CR400S near Linnsburg	395854086481301	02/05/2002	<2.0