

Figure 13.--Location of wells in the Carmel, Hamilton County network.

MISCELLANEOUS PROJECT DATA

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.

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 land-surface datum.

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

DATE	WATER LEVEL						
SEP 26, 1974	18.81	NOV 30, 1981	20.97	OCT 02, 1987	21.69	APR 14, 1994	19.50
NOV 06	22.95	APR 23, 1982	19.40	JUN 02, 1988	20.80	NOV 29	21.90
APR 14, 1975	19.32	OCT 29	22.74	SEP 07	22.96	MAY 11, 1995	21.45
APR 20, 1976	19.98	APR 22, 1983	20.09	OCT 27	23.29	OCT 26	22.40
OCT 20	22.98	AUG 26	22.45	MAY 26, 1989	19.12	JUN 26, 1996	19.36
JUN 06, 1977	21.70	APR 11, 1984	19.63	AUG 30	20.77	JUN 05, 1997	19.22
NOV 02	22.16	OCT 31	22.78	APR 24, 1990	19.39	OCT 29	21.75
APR 29, 1978	19.52	MAY 09, 1985	19.79	NOV 16	21.53	FEB 08, 1999	19.84
OCT 11	21.06	AUG 20	22.00	APR 17, 1991	18.69	SEP 23	22.54
APR 02, 1979	19.68	OCT 03	23.16	NOV 12	22.47	MAY 03, 2000	21.90
OCT 15	21.51	JUN 03, 1986	22.76	APR 23, 1992	20.16		
APR 28, 1980	19.52	SEP 05	23.55	DEC 01	20.00		
APR 18, 1981	21.05	MAY 09, 1987	19.72	JUL 19, 1993	19.18		

PERIOD OF RECORD HIGHEST 18.69 APR 17, 1991

PERIOD OF RECORD LOWEST 23.55 SEP 05, 1986

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, north of field entrance.

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 land-surface datum.

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

PERIOD OF RECORD.--September 1974 to November 1999. Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
SEP 25, 1974	15.77	APR 18, 1981	21.81	MAY 09, 1987	22.33	APR 14, 1994	21.46
NOV 06	16.60	DEC 10	22.43	OCT 02	22.94	NOV 29	23.71
APR 14, 1975	15.22	APR 23, 1982	19.82	JUN 02, 1988	21.24	MAY 11, 1995	22.78
APR 20, 1976	15.56	OCT 29	22.24	SEP 07	23.10	OCT 25	23.39
OCT 20	18.05	APR 22, 1983	21.37	OCT 27	22.84	JUN 26, 1996	10.27
JUN 06, 1977	18.11	AUG 26	22.96	AUG 30, 1989	21.09	JUN 05, 1997	21.80
NOV 02	19.95	APR 11, 1984	21.38	APR 24, 1990	21.23	OCT 29	23.30
APR 28, 1978	16.59	OCT 31	23.14	NOV 16	22.69	JUN 03, 1998	19.85
OCT 11	17.94	MAY 09, 1985	20.32	APR 17, 1991	23.17	FEB 08, 1999	22.00
APR 02, 1979	17.26	OCT 03	23.48	APR 23, 1992	22.44	NOV 04	DRY
OCT 15	20.13	JUN 03, 1986	20.28	DEC 02	20.31		
MAY 01, 1980	19.88	SEP 05	21.98	JUL 19, 1993	21.68		

PERIOD OF RECORD HIGHEST 10.27 JUN 26, 1996

PERIOD OF RECORD LOWEST DRY NOV 04, 1999

MISCELLANEOUS PROJECT DATA

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.--September 1974 to current year. Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
SEP 25, 1974	9.71	APR 28, 1980	7.01	OCT 03, 1985	10.91	DEC 01, 1992	9.38
NOV 06	10.43	APR 18, 1981	8.45	JUN 03, 1986	7.59	OCT 25, 1995	13.90
APR 14, 1975	6.89	DEC 10	9.36	SEP 05	11.56	JUN 26, 1996	6.64
APR 20, 1976	7.40	APR 23, 1982	5.07	MAY 09, 1987	10.38	JUN 05, 1997	7.29
OCT 20	10.75	OCT 29	7.70	OCT 02	13.31	OCT 29	11.73
JUN 06, 1977	11.26	APR 22, 1983	6.31	JUN 04, 1988	12.76	JUN 03, 1998	7.97
APR 27, 1978	5.88	AUG 26	8.53	SEP 07	16.41	FEB 08, 1999	7.20
OCT 11	9.51	APR 11, 1984	5.35	OCT 27	16.69	SEP 23	12.59
APR 02, 1979	7.64	OCT 31	10.34	NOV 12, 1991	14.93	MAY 03, 2000	12.90
OCT 15	10.60	MAY 09, 1985	6.59	APR 23, 1992	10.12		

PERIOD OF RECORD HIGHEST 5.07 APR 23, 1982

PERIOD OF RECORD LOWEST 16.69 OCT 27, 1988

395647086042001. Local number CAR-5.
LOCATION.--Lat 39°56'47", long 86°04'20", in NW¹/₄NE¹/₄SE¹/₄ sec.4, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 11000 North River Avenue, on eastside, north of turn in road, destroyed by road widening in 1988.
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 34.4 ft, cased to 31.4 ft, screened to 34.4 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 750.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.--September 1974 to October 1987 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
SEP 25, 1974	22.41	NOV 02, 1977	23.83	NOV 30, 1981	24.12	MAY 09, 1985	19.46
OCT 04	22.20	APR 27, 1978	19.88	APR 23, 1982	20.10	OCT 03	23.65
NOV 14	23.42	OCT 11	21.98	OCT 29	23.45	JUN 03, 1986	19.52
APR 14, 1975	21.80	APR 02, 1979	20.28	APR 22, 1983	22.11	SEP 05	22.57
APR 20, 1976	20.89	OCT 15	22.53	AUG 26	23.01	MAY 09, 1987	23.03
OCT 20	22.30	MAY 01, 1980	21.44	APR 11, 1984	20.17	OCT 02	24.19
JUN 06, 1977	23.54	APR 18, 1981	23.22	OCT 31	23.30		

PERIOD OF RECORD HIGHEST 19.46 MAY 09, 1985

PERIOD OF RECORD LOWEST 24.19 OCT 02, 1987

MISCELLANEOUS PROJECT DATA

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

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.--November 1974 to current year. Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	20.75	APR 18, 1981	20.89	MAY 09, 1987	19.93	DEC 01, 1992	19.94
APR 14, 1975	18.40	NOV 30	23.14	OCT 02	21.93	JUL 19, 1993	20.29
APR 20, 1976	19.49	APR 23, 1982	18.29	JUN 02, 1988	20.93	APR 14, 1994	20.60
OCT 20	21.45	OCT 29	21.30	SEP 07	22.46	NOV 29	22.39
MAY 04, 1977	21.03	APR 22, 1983	19.67	OCT 27	22.72	MAY 11, 1995	21.87
JUN 06	21.13	AUG 26	21.01	MAY 26, 1989	20.06	OCT 25	22.35
NOV 02	21.38	APR 11, 1984	18.59	AUG 30	21.13	JUN 26, 1996	18.10
APR 27, 1978	20.07	OCT 31	21.24	APR 24, 1990	19.39	NOV 03, 1997	21.93
OCT 11	20.15	MAY 09, 1985	18.63	NOV 16	21.43	JUN 05, 1998	19.94
APR 02, 1979	18.35	OCT 02	21.36	APR 17, 1991	18.63	FEB 08, 1999	20.85
OCT 15	20.51	JUN 24, 1986	18.58	NOV 12	22.26	NOV 04	22.67
APR 28, 1980	18.81	SEP 05	20.46	APR 23, 1992	20.70	MAY 03, 2000	22.44

PERIOD OF RECORD HIGHEST 18.10 JUN 26, 1996
PERIOD OF RECORD LOWEST 23.14 NOV 30, 1981

395723086042901. Local number CAR-7.
LOCATION.--Lat 39°57'23", long 86°04'29", in NE¹/₄NW¹/₄NE¹/₄ sec.4, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 5400 East 116th Street, south side, 350 ft west of intersection with River Avenue. Well destroyed by road widening in 1989.
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 34.4 ft, cased to 31.4 ft, screened to 34.4 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 749.49 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.--November 1974 to May 1989 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	15.96	APR 02, 1979	14.06	AUG 26, 1983	17.71	OCT 02, 1987	18.09
APR 14, 1975	13.40	OCT 15	16.07	APR 11, 1984	15.47	JUN 02, 1988	20.39
APR 20, 1976	14.39	MAY 01, 1980	14.56	OCT 31	17.70	SEP 07	18.41
OCT 20	17.47	APR 18, 1981	15.95	MAY 09, 1985	15.26	OCT 27	17.84
JUN 06, 1977	16.22	DEC 10	16.89	OCT 03	17.73	MAY 26, 1989	15.61
NOV 02	17.19	APR 23, 1982	14.03	JUN 04, 1986	13.97		
APR 27, 1978	13.83	OCT 29	17.89	SEP 05	16.94		
OCT 11	15.68	APR 22, 1983	15.73	MAY 09, 1987	16.78		

PERIOD OF RECORD HIGHEST 13.40 APR 14, 1975
PERIOD OF RECORD LOWEST 20.39 JUN 02, 1988

MISCELLANEOUS PROJECT DATA

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

395723086043401. Local number CAR-8.
LOCATION.--Lat 39°57'23", long 86°04'34", in NE¹/₄NE¹/₄NW¹/₄ sec.8, T.17 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 1000 ft east of White River, in northwest quadrant of first cross road and 116th Street. Well destroyed one month after installation.
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 15.4 ft, cased to 12.4 ft, screened to 15.4 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 738.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.-- September 1974 to April 1975 (discontinued).

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 20, 1974	15.00	NOV 06, 1974	13.52	APR 14, 1975	10.04

PERIOD OF RECORD HIGHEST 10.04 APR 14, 1975

PERIOD OF RECORD LOWEST 15.00 SEP 20, 1974

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 eastside, 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.--September 1974 to November 1999. Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
SEP 20, 1974	26.27	APR 18, 1981	29.11	MAY 09, 1987	29.50	APR 14, 1994	31.76
NOV 06	27.55	NOV 30	29.17	OCT 02	30.44	NOV 28	30.57
APR 14, 1975	25.09	APR 23, 1982	25.94	JUN 02, 1988	30.39	MAY 11, 1995	31.00
APR 20, 1976	27.72	OCT 29	29.92	SEP 07	31.72	OCT 25	32.04
OCT 20	28.20	APR 22, 1983	28.84	OCT 27	31.59	JUN 26, 1996	28.33
JUN 06, 1977	30.69	AUG 26	28.65	MAY 26, 1989	28.31	NOV 03, 1997	31.43
NOV 02	30.86	APR 11, 1984	26.96	AUG 30	29.45	JUN 03, 1998	29.56
APR 27, 1978	26.98	OCT 31	29.90	APR 24, 1990	26.59	FEB 08, 1999	31.82
OCT 11	28.43	MAY 09, 1985	26.41	NOV 12, 1991	30.19	NOV 04	34.09
APR 02, 1979	27.00	OCT 02	29.52	APR 23, 1992	28.47		
OCT 15	28.41	JUN 04, 1986	24.75	DEC 01	29.59		
APR 28, 1980	27.06	SEP 05	28.30	JUL 19, 1993	31.39		

PERIOD OF RECORD HIGHEST 24.75 JUN 04, 1986

PERIOD OF RECORD LOWEST 34.09 NOV 04, 1999

MISCELLANEOUS PROJECT DATA

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

395753086033001. Local number CAR-10.
LOCATION.--Lat 39°57'53", long 86°03'30", in SE¹/₄SW¹/₄NE¹/₄ sec.34, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, northeast corner of North River Avenue and 122nd Street, at entrance to old "Purdue University's Lynnwood Farm" now privately owned. Well filled with fine sand and was plugged, cut-off, and abandoned in 1991.
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 24.1 ft, cased to 21.1 ft, screened to 24.1 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 747.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.--September 1974 to April 1991 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
SEP 26, 1974	17.51	OCT 11, 1978	10.96	AUG 26, 1983	12.16	JUN 02, 1988	DRY
NOV 06	11.36	APR 02, 1979	8.99	APR 11, 1984	8.78	SEP 07	DRY
APR 14, 1975	8.98	OCT 15	11.31	OCT 31	DRY	OCT 26	DRY
APR 20, 1976	9.56	MAY 01, 1980	9.42	MAY 09, 1985	8.99	MAY 26, 1989	DRY
OCT 20	12.28	APR 18, 1981	10.20	OCT 03	DRY	APR 24, 1990	DRY
JUN 06, 1977	11.17	NOV 30	11.67	JUN 04, 1986	8.09	NOV 16	DRY
AUG 03	12.28	APR 23, 1982	8.66	SEP 05	DRY	APR 17, 1991	DRY
NOV 02	12.14	OCT 29	12.38	MAY 09, 1987	DRY		
APR 27, 1978	8.37	APR 22, 1983	9.92	OCT 02,	DRY		

PERIOD OF RECORD HIGHEST 8.09 JUN 04, 1986

PERIOD OF RECORD LOWEST DRY OCT 31, 1984, OCT 03, 1985, SEP 05, 1986, MAY 09, 1987, OCT 02, 1987, JUN 02, 1988, SEP 07, 1988, OCT 26, 1988, MAY 26, 1989, APR 24, 1990, NOV 16, 1990, APR 17, 1991

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.--November 1974 to current year. Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	35.54	APR 23, 1982	37.71	SEP 07, 1988	43.22	NOV 28, 1994	42.43
APR 14, 1975	32.77	OCT 29	40.62	OCT 26	45.07	MAY 11, 1995	43.36
APR 20, 1976	38.73	APR 22, 1983	40.93	MAY 26, 1989	38.49	OCT 26	44.89
OCT 20	42.73	AUG 26	40.78	AUG 30	38.79	JUN 25, 1996	40.29
JUN 06, 1977	43.23	APR 11, 1984	38.43	APR 23, 1990	35.62	JUN 05, 1997	40.67
AUG 03	42.61	OCT 31	41.61	NOV 20	38.77	OCT 29	43.58
24	43.29	MAY 09, 1985	37.73	APR 17, 1991	35.29	JUN 03, 1998	42.44
AUG 23, 1979	37.74	OCT 02	40.09	NOV 12	42.45	FEB 08, 1999	47.90
OCT 15	38.88	SEP 05, 1986	36.77	APR 23, 1992	39.18	SEP 23	48.17
MAY 01, 1980	38.53	MAY 09, 1987	40.67	DEC 01	39.08	MAY 03, 2000	48.04
APR 18, 1981	41.01	OCT 02	41.99	JUL 19, 1993	39.10		
NOV 30	42.09	JUN 04, 1988	40.90	APR 14, 1994	39.49		

PERIOD OF RECORD HIGHEST 32.77 APR 14, 1975

PERIOD OF RECORD LOWEST 48.17 SEP 23, 1999

MISCELLANEOUS PROJECT DATA

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

395816086032301. Local number CAR-13A.

LOCATION.--Lat 39°58'16", long 86°03'23", in NW¹/₄NE¹/₄NE¹/₄ sec.34, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on southeast corner of "T" intersection, where Lynnwood Farm Road intersects with East 126th Street from the south, 3.0 mi east of Indiana State Road 431 (Keystone Avenue).
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 13.0 ft, cased to 10.0 ft, screened to 13.0 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 745.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 1.49 ft above land-surface datum.

PERIOD OF RECORD.--November 1974 to December 1992 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	4.70	APR 02, 1979	2.21	APR 11, 1984	1.90	SEP 07, 1988	6.62
APR 14, 1975	2.69	OCT 15	4.50	OCT 31	5.29	OCT 26	7.29
APR 20, 1976	3.13	MAY 01, 1980	2.54	MAY 09, 1985	2.01	AUG 30, 1989	7.54
OCT 20	6.84	APR 18, 1981	2.77	OCT 02	5.66	APR 23, 1990	3.10
JUN 06, 1977	4.48	NOV 30	4.76	JUN 04, 1986	2.04	NOV 16	4.97
AUG 03	5.67	APR 23, 1982	2.05	OCT 10	2.99	APR 17, 1991	1.54
NOV 02	5.37	OCT 29	5.63	MAY 09, 1987	4.57	NOV 12	6.59
APR 27, 1978	1.95	APR 22, 1983	2.76	OCT 02	5.94	APR 24, 1992	2.24
OCT 11	4.21	AUG 26	5.45	JUN 02, 1988	4.50	DEC 01	2.09

PERIOD OF RECORD HIGHEST 1.54 APR 17, 1991

PERIOD OF RECORD LOWEST 7.54 AUG 30, 1989

395845086044702. Local number CAR-15N.

LOCATION.--Lat 39°58'45", long 86°04'47", in SW¹/₄SW¹/₄NE¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on east side of Cherry Tree Avenue, 350 ft north of East 131st Street, just north of turn in road. Well destroyed by road construction in 1996.
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 785.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

REMARKS.--Shallow well of two wells drilled at this location. Water level may be affected by near by Carmel Utility well field.

PERIOD OF RECORD.--September 1974 to June 1996 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
SEP 12, 1974	19.75	OCT 15, 1979	20.83	OCT 02, 1985	22.81	NOV 20, 1990	22.42
NOV 06	20.44	APR 28, 1980	19.49	JUN 04, 1986	17.84	APR 17, 1991	17.46
APR 14, 1975	17.63	APR 18, 1981	22.53	OCT 10	20.03	NOV 12	22.62
APR 20, 1976	20.84	NOV 30	22.61	MAY 09, 1987	22.12	APR 23, 1992	21.12
OCT 20	23.73	APR 23, 1982	19.14	OCT 02	23.24	DEC 01	21.40
JUN 06, 1977	24.08	OCT 29	23.11	JUN 02, 1988	21.20	JUL 19, 1993	19.23
AUG 24	24.48	APR 22, 1983	21.73	SEP 07	23.38	APR 14, 1994	19.82
NOV 02	24.46	AUG 26	22.59	OCT 26	22.99	NOV 28	22.65
APR 27, 1978	20.04	APR 11, 1984	19.66	MAY 26, 1989	20.35	MAY 11, 1995	23.47
OCT 11	20.72	OCT 31	22.79	AUG 30	20.60	OCT 25	24.37
APR 02, 1979	20.43	MAY 09, 1985	19.07	APR 23, 1990	17.58	JUN 26, 1996	30.13

PERIOD OF RECORD HIGHEST 17.46 APR 17, 1991

PERIOD OF RECORD LOWEST 30.13 JUN 26, 1996

MISCELLANEOUS PROJECT DATA

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

395845086044702. Local number CAR-15S.

LOCATION.--Lat 39°58'45", long 86°04'47", in SW¹/₄SW¹/₄NE¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on east side of Cherry Tree Avenue, 350 ft north of East 131st Street, just north of turn in road. Well destroyed by road construction in 1996.

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 55.7 ft, cased to 52.7 ft, screened to 55.7 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 785.63 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

REMARKS.--Deep well of two wells drilled at this location. Water level may be affected by near by Carmel Utility well field.

PERIOD OF RECORD.--September 1974 to June 1996 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 12, 1974	19.19	OCT 26, 1988	23.04	APR 17, 1991	17.55	APR 14, 1994	19.91
AUG 24, 1977	24.65	MAY 26, 1989	20.54	NOV 12	23.83	NOV 28	22.75
APR 28, 1980	19.63	AUG 30	20.68	APR 23, 1992	21.21	MAY 11, 1995	23.59
JUN 02, 1988	21.82	APR 23, 1990	18.67	DEC 01	21.61	OCT 26	24.39
SEP 07	23.39	NOV 20	21.42	JUL 19, 1993	19.32	JUN 26, 1996	30.18
PERIOD OF RECORD HIGHEST	17.55	APR 17, 1991					
PERIOD OF RECORD LOWEST	30.18	JUN 26, 1996					

395843086025901. Local number CAR-17.

LOCATION.--Lat 39°58'43", long 86°02'59", in SW¹/₄SW¹/₄NW¹/₄ sec.26, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on east side of River Avenue, north of 131st Street. Well was destroyed by vehicle traffic in 1981.

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 34.5 ft, cased to 31.5 ft, screened to 34.5 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 752.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.--September 1974 to April 1983 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06, 1974	13.25	OCT 20, 1976	15.73	APR 27, 1978	10.69	APR 28, 1980	11.42
MAR 11, 1975	9.62	JUN 06, 1977	14.95	OCT 11	12.93	APR 18, 1981	13.86
APR 14	9.92	AUG 03	14.67	APR 02, 1979	11.56	NOV 30	14.10
APR 20, 1976	12.42	NOV 02	14.87	OCT 15	13.43	APR 22, 1983	12.78
PERIOD OF RECORD HIGHEST	9.62	MAR 11, 1975					
PERIOD OF RECORD LOWEST	15.73	OCT 20, 1976					

MISCELLANEOUS PROJECT DATA

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

395917086041301. Local number CAR-19.

LOCATION.--Lat 39°59'17", long 86°04'13", in NW¹/₄SW¹/₄SW¹/₄ sec.22, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on northeast corner of Cherry Tree Avenue and Hazel Dell Road. Well is 1,000 ft southeast of Cherry Tree Elementary School. Well destroyed by road construction in 1997.
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 29.7 ft, cased to 26.7 ft, screened to 29.7 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 778.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.--November 1974 to June 1997 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	11.66	APR 18, 1981	10.24	SEP 05, 1986	12.08	NOV 12, 1991	12.97
APR 14, 1975	9.76	NOV 30	12.32	MAY 09, 1987	11.38	APR 24, 1992	9.69
APR 20, 1976	10.67	APR 23, 1982	9.18	OCT 02	12.94	DEC 01	11.58
OCT 20	13.18	OCT 29	12.91	JUN 04, 1988	11.80	JUL 19, 1993	10.72
JUN 06, 1977	12.24	APR 22, 1983	9.89	SEP 07	13.84	APR 14, 1994	9.90
NOV 02	13.08	AUG 26	12.79	OCT 26	12.91	NOV 28	13.33
APR 28, 1978	9.27	APR 11, 1984	9.24	MAY 26, 1989	8.01	MAY 11, 1995	14.10
OCT 11	11.64	OCT 31	12.88	AUG 30	11.77	OCT 26	14.71
APR 02, 1979	9.24	MAY 09, 1985	9.70	APR 23, 1990	9.88	JUN 26, 1996	12.42
OCT 15	11.95	OCT 02	13.04	NOV 20	12.81	JUN 05, 1997	12.01
APR 28, 1980	9.57	JUN 04, 1986	9.27	APR 17, 1991	7.47		

PERIOD OF RECORD HIGHEST 7.47 APR 17, 1991

PERIOD OF RECORD LOWEST 14.71 OCT 26, 1995

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, eastside 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.--November 1974 to current year. Measured irregularly in semi-annual status.

WATER DATE	LEVEL						
NOV 06, 1974	10.00	APR 18, 1981	6.89	MAY 09, 1987	7.50	APR 14, 1994	5.93
MAR 11, 1975	6.11	NOV 30	7.81	OCT 02	8.04	NOV 28	7.77
APR 14	6.46	APR 23, 1982	6.54	JUN 02, 1988	7.34	MAY 11, 1995	9.49
APR 20, 1976	6.67	OCT 29	8.07	SEP 07	8.21	OCT 25	8.92
OCT 20	7.44	APR 22, 1983	6.48	OCT 26	8.26	JUN 26, 1996	6.45
JUN 06, 1977	7.11	AUG 26	8.07	MAY 26, 1989	6.55	JUN 05, 1997	8.15
NOV 02	7.28	APR 11, 1984	6.43	AUG 30	5.96	OCT 29	11.90
APR 28, 1978	5.94	OCT 31	7.70	APR 23, 1990	6.27	FEB 08, 1999	7.58
OCT 11	7.07	MAY 09, 1985	6.49	NOV 13, 1991	8.17	SEP 23	9.39
APR 02, 1979	6.05	OCT 02	8.03	APR 24, 1992	6.48	MAY 03, 2000	9.69
OCT 15	7.13	JUN 04, 1986	6.42	DEC 02	6.28		
APR 28, 1980	6.21	SEP 05	7.72				

PERIOD OF RECORD HIGHEST 5.93 APR 14, 1994

PERIOD OF RECORD LOWEST 11.90 OCT 29, 1997

MISCELLANEOUS PROJECT DATA

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

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.--November 1974 to current year. Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	11.30	NOV 30, 1981	13.01	OCT 02, 1987	13.29	JUL 20, 1993	9.17
APR 14, 1975	9.50	APR 23, 1982	8.74	JUN 02, 1988	12.48	APR 14, 1994	8.26
APR 20, 1976	10.95	OCT 29	13.50	SEP 07	13.94	NOV 29	13.52
OCT 20	13.59	APR 22, 1983	10.21	OCT 26	14.11	MAY 11, 1995	11.80
JUN 06, 1977	12.59	AUG 26	13.33	MAY 26, 1989	9.75	OCT 25	13.67
NOV 02	13.44	APR 11, 1984	8.55	AUG 30	11.74	JUN 26, 1996	9.16
APR 28, 1978	11.07	OCT 31	13.08	APR 23, 1990	9.84	JUN 06, 1997	8.59
OCT 11	12.62	MAY 09, 1985	9.88	NOV 15	11.90	OCT 29	13.59
APR 02, 1979	9.57	OCT 02	13.03	APR 17, 1991	8.38	JUN 03, 1998	11.31
OCT 15	12.48	JUN 03, 1986	9.58	NOV 13	13.70	FEB 08, 1999	8.08
MAY 01, 1980	9.80	SEP 05	12.77	APR 28, 1992	9.20	SEP 23	13.76
APR 18, 1981	9.89	MAY 27, 1987	12.23	DEC 02	8.03	MAY 03, 2000	12.13

PERIOD OF RECORD HIGHEST 8.03 DEC 02, 1992

PERIOD OF RECORD LOWEST 14.11 OCT 26, 1988

40000086035701. Local number CAR-22.

LOCATION.--Lat 40°00'00", long 86°03'57", in NE¹/₄NW¹/₄NW¹/₄ sec.22, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, 6000 East 146th Street, southside. Well is 1,200 ft east of Hazel Dell Road. Well destroyed by road construction in 1994. 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 775.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, at land surface.

PERIOD OF RECORD.--November 1974 to April 1994 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	7.61	APR 28, 1980	6.66	OCT 02, 1985	10.76	APR 23, 1990	8.96
APR 14, 1975	6.85	APR 18, 1981	6.81	JUN 03, 1986	8.19	NOV 20	10.12
APR 20, 1976	7.47	DEC 10	7.91	SEP 05	10.38	APR 17, 1991	7.53
OCT 20	8.76	APR 23, 1982	6.58	MAY 09, 1987	9.98	NOV 13	10.68
JUN 17, 1977	7.74	OCT 29	8.70	OCT 02	11.08	APR 24, 1992	8.48
NOV 02	8.54	APR 22, 1983	6.76	JUN 02, 1988	10.29	DEC 01	8.57
APR 28, 1978	6.43	AUG 26	8.75	SEP 07	11.49	JUL 19, 1993	8.86
OCT 11	6.98	APR 11, 1984	6.44	OCT 27	11.99	APR 14, 1994	7.94
APR 02, 1979	6.62	OCT 31	8.28	MAY 26, 1989	6.92		
OCT 15	8.04	MAY 09, 1985	6.86	AUG 30	6.29		

PERIOD OF RECORD HIGHEST 6.29 AUG 30, 1989

PERIOD OF RECORD LOWEST 11.99 OCT 27, 1988

MISCELLANEOUS PROJECT DATA

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

40000086024801. Local number CAR-23.

LOCATION.--Lat 40°00'00", long 86°02'48", in NW¹/₄NE¹/₄NW¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, north side of East 146th Street, 1.25 mi west of White River, and 4.25 mi east of U.S. Highway 31. Well abandoned because of road construction in 2000.
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 13.5 ft, cased to 10.5 ft, screened to 13.5 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 756.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 0.33 ft above land-surface datum.

REMARKS.--Water level may be affected by river stage in White River.

PERIOD OF RECORD.--October 1974 to May 2000 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
OCT 02, 1974	9.50	APR 18, 1981	6.03	MAY 09, 1987	6.71	APR 14, 1994	4.50
NOV 06	6.01	NOV 30	6.86	OCT 02	7.65	NOV 28	7.81
APR 14, 1975	5.62	APR 23, 1982	5.21	JUN 16, 1988	6.99	MAY 11, 1995	9.14
APR 20, 1976	6.03	OCT 29	7.09	SEP 07	10.06	OCT 25	9.58
OCT 20	7.17	APR 22, 1983	5.76	OCT 26	8.39	JUN 28, 1996	5.80
JUN 17, 1977	6.36	AUG 26	7.21	MAY 26, 1989	5.17	JUN 05, 1997	6.43
NOV 02	7.11	APR 11, 1984	5.46	AUG 30	9.43	NOV 03	9.28
APR 28, 1978	5.21	OCT 31	6.66	APR 23, 1990	5.59	JUN 03, 1998	7.46
OCT 11	6.55	MAY 09, 1985	5.18	NOV 13, 1991	7.95	FEB 08, 1999	6.57
APR 02, 1979	5.47	OCT 02	6.78	APR 24, 1992	6.07	NOV 04	9.98
OCT 15	6.48	JUN 03, 1986	5.31	DEC 01	4.99	MAY 03, 2000	10.55
APR 28, 1980	5.65	SEP 05	6.68	JUL 19, 1993	5.48		

PERIOD OF RECORD HIGHEST 4.50 APR 14, 1994

PERIOD OF RECORD LOWEST 10.55 MAY 03, 2000

395959086020401. Local number CAR-24.

LOCATION.--Lat 39°59'59", long 86°02'04", in NE¹/₄NE¹/₄NE¹/₄ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, southwest corner of North River Avenue and East 146th Street. Well was destroyed in 1982.
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 66.3 ft, cased to 63.3 ft, screened to 66.3 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 760.0 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 2.96 ft above land-surface datum.

PERIOD OF RECORD.--November 1974 to April 1982 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
NOV 06, 1974	18.47	JUN 17, 1977	18.36	APR 02, 1979	17.39	DEC 10, 1981	18.11
APR 14, 1975	16.43	NOV 02	19.23	OCT 15	19.06	APR 23, 1982	16.72
APR 20, 1976	16.99	APR 28, 1978	16.87	APR 28, 1980	17.32		
OCT 20	19.07	OCT 11	19.20	APR 18, 1981	18.98		

PERIOD OF RECORD HIGHEST 16.43 APR 14, 1975

PERIOD OF RECORD LOWEST 19.23 NOV 02, 1977

MISCELLANEOUS PROJECT DATA

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

395816086052101. Local number CAR-25.
LOCATION.--Lat 39°58'16", long 86°05'21", in SE¹/₄SE¹/₄SE¹/₄ sec.29, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, northwest corner of East 126th Street and Gray Road (Hinkle Road on topographic map). Well was destroyed by construction in 1981.
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 30 ft, cased to 27 ft, screened to 30 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 786.94 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.--April 1976 to April 1982 (discontinued). Measured irregularly in semi-annual status.

DATE	WATER LEVEL						
APR 20, 1976	21.92	NOV 02, 1977	23.02	OCT 15, 1979	21.92	APR 23, 1982	20.22
OCT 20	22.97	APR 27, 1978	20.70	APR 28, 1980	20.78		
JUN 06, 1977	22.81	OCT 11	21.76	APR 18, 1981	22.06		
AUG 24	23.06	APR 02, 1979	20.86	NOV 30	22.32		

PERIOD OF RECORD HIGHEST 20.22 APR 23, 1982

PERIOD OF RECORD LOWEST 23.06 AUG 24, 1977

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 Utility well field.

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

DATE	WATER LEVEL						
APR 20, 1976	15.63	APR 23, 1982	13.94	JUN 02, 1988	17.17	APR 14, 1994	14.66
OCT 20	19.09	OCT 29	17.05	SEP 07	18.39	NOV 29	17.55
JUN 06, 1977	19.59	APR 22, 1983	17.77	OCT 26	18.89	MAY 11, 1995	17.97
AUG 24	19.93	AUG 26	17.78	MAY 26, 1989	15.41	OCT 26	19.31
NOV 02	19.75	APR 11, 1984	14.90	AUG 30	15.06	JUN 25, 1996	20.06
APR 27, 1978	11.76	OCT 31	17.68	APR 23, 1990	12.98	JUN 05, 1997	15.19
OCT 11	15.18	MAY 09, 1985	14.04	NOV 20	15.86	OCT 29	19.34
APR 02, 1979	15.03	OCT 17	17.64	APR 17, 1991	12.12	JUN 03, 1998	20.97
OCT 15	15.08	JUN 04, 1986	12.34	NOV 13	17.23	FEB 08, 1999	19.74
MAY 01, 1980	14.39	SEP 05	14.42	APR 28, 1992	15.96	SEP 23	21.52
APR 18, 1981	17.17	MAY 09, 1987	17.37	DEC 01	16.24	MAY 03, 2000	22.86
NOV 30	17.66	OCT 02	18.69	JUL 20, 1993	14.09		

PERIOD OF RECORD HIGHEST 11.76 APR 27, 1978

PERIOD OF RECORD LOWEST 22.86 MAY 03, 2000

MISCELLANEOUS PROJECT DATA

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

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 Utility well field.

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

DATE	WATER LEVEL						
APR 20, 1976	30.32	APR 23, 1982	27.20	JUN 02, 1988	31.60	APR 14, 1994	28.21
OCT 20	34.82	OCT 29	29.58	SEP 07	34.19	NOV 29	30.94
JUN 06, 1977	35.90	APR 22, 1983	32.87	OCT 26	33.96	MAY 11, 1995	32.23
AUG 24	36.32	AUG 26	31.07	MAY 26, 1989	28.07	OCT 26	34.08
NOV 02	35.88	APR 11, 1984	29.21	AUG 30	27.31	JUN 28, 1996	31.18
APR 27, 1978	27.52	OCT 31	32.01	APR 23, 1990	24.44	JUN 05, 1997	30.55
OCT 11	29.72	MAY 09, 1985	28.02	NOV 20	27.97	OCT 29	33.83
APR 02, 1979	29.17	OCT 23	31.56	APR 17, 1991	23.71	JUN 03, 1998	35.20
OCT 15	27.55	JUN 04, 1986	23.12	NOV 13	29.04	FEB 08, 1999	36.65
MAY 01, 1980	28.63	SEP 05	25.67	MAY 06, 1992	28.07	SEP 23	39.02
APR 18, 1981	31.40	MAY 09, 1987	31.49	DEC 01	28.20	MAY 03, 2000	37.26
NOV 30	32.61	OCT 02	33.81	JUL 20, 1993	26.82		

PERIOD OF RECORD HIGHEST 23.12 JUN 04, 1986

PERIOD OF RECORD LOWEST 39.02 SEP 23, 1999

395827086050301. Local number CAR-29.

LOCATION.--Lat 39°58'27", long 86°05'03", in NW¹/₄SE¹/₄SW¹/₄ sec.28, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, mid-point along west property line of Clay Jr. High School, west of road, well was located mid-way between Carmel Utility wells #7 and #8. Well was removed from network and discontinued in 1979.

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 60.0 ft, cased to 57.0 ft, screened to 60.0 ft.

INSTRUMENTATION.--None.

DATUM.--Elevation of land-surface datum is 789.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well casing, 3.0 ft above land-surface datum.

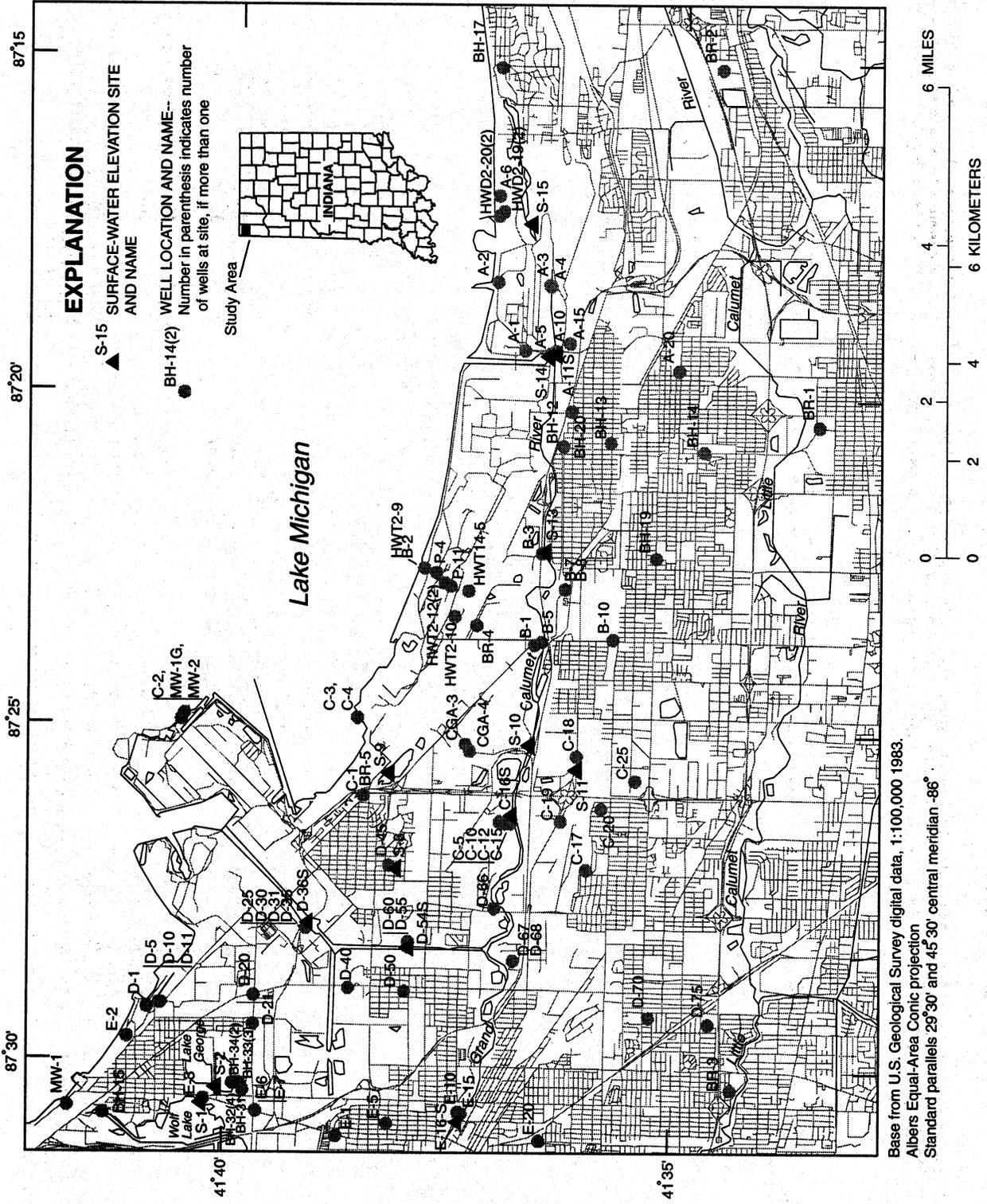
REMARKS.--Water level was affected by nearby Carmel Utility well field.

PERIOD OF RECORD.--October 1976 to April 1979 (discontinued).

DATE	WATER LEVEL						
OCT 20, 1976	42.60	AUG 24, 1977	45.54	APR 27, 1978	34.21	APR 02, 1979	34.34
JUN 06, 1977	43.68	NOV 02	41.53	OCT 11	35.96		

PERIOD OF RECORD HIGHEST 34.21 APR 27, 1978

PERIOD OF RECORD LOWEST 45.54 AUG 24, 1977



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 14.--Location 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 the results of ground-water level and miscellaneous measurements of surface-water stage in Northern Lake County, Indiana. Data presented here were periodically collected from water years 1993 to 2000 to provide a base of information to evaluate ground-water flow directions and ground-water/surface-water interactions. Locations of wells and sites are shown in figure 14.

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

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 in aquifer	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 in aquifer	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	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 in aquifer	Aquifer 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"	413720087304201	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
HW2-9	USX	41°37'52"87°22'35"	413752087223501	04-84	Auger	608	50-70	PVC	Slag + CA
HW2-10	USX	41°37'32"87°23'22"	413732087232201	04-84	Auger	589	24-44	PVC	CA Top
HW2-12D	USX	41°37'38"87°22'48"	413738087224803	03-91	Auger	600	49-59	PVC	CA Bottom
HW2-12S	USX	41°37'38"87°22'48"	413738087224801	03-91	Auger	601	14-29	PVC	Slag + CA
HW2-14-5	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 is 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-99-1, and page 341 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	08-2000	C-1	12-1985	08-2000
A-2	06-1987	08-2000	C-2	07-1987	09-1998
A-3	06-1987	03-1998	C-3	06-1987	08-2000
A-4	06-1987	08-2000	C-4	06-1987	08-2000
A-5	12-1985	08-2000	C-5	10-1985	06-1997
A-6	07-1987	01-1995	C-10	10-1985	08-2000
A-10	10-1985	08-2000	C-12	08-1987	08-2000
A-15	10-1985	08-2000	C-15	10-1985	03-1998
A-20	01-1986	08-2000	C-17	07-1986	08-2000
B-1	08-1985	09-1999	C-18	06-1987	06-2000
B-2	06-1987	08-2000	C-19	12-1986	08-2000
B-3	07-1987	06-2000	C-20	08-1985	06-2000
B-5	08-1985	08-2000	C-25	12-1985	08-2000
B-7	06-1987	08-2000	CGA-3	10-1985	03-1999
B-8	07-1987	08-2000	CGA-4	10-1985	08-1999
B-10	12-1985	08-2000	D-1	08-1985	08-2000
BH-12	06-1992	08-2000	D-5	08-1985	08-2000
BH-13	06-1992	08-2000	D-10	08-1985	08-2000
BH-14	06-1992	08-2000	D-11	06-1987	08-2000
BH-15	06-1992	08-2000	D-20	08-1985	01-1995
BH-17	06-1992	08-2000	D-21	07-1987	08-2000
BH-19	06-1992	08-1999	D-25	12-1985	08-2000
BH-20	06-1992	09-1998	D-30	12-1985	08-2000
BH-31	04-1993	09-1998	D-31	07-1987	08-2000
BH-32-D	07-1996	09-2000	D-35	12-1985	08-2000
BH-32-I	07-1996	08-2000	D-40	10-1985	08-2000
BH-32-S	07-1996	08-2000	D-45	10-1985	08-2000
BH-32-SL	07-1996	08-2000	D-50	12-1985	08-2000
BH-33-I	07-1996	08-2000	D-55	10-1985	01-1995
BH-33-S	07-1996	08-2000	D-60	10-1985	01-1995
BH-33-SL	07-1996	08-2000	D-66	07-1987	08-2000
BH-34-D	06-1996	07-1998	D-67	07-1987	08-2000
BH-34-SH	06-1996	07-1998	D-68	07-1987	08-2000
BR-1	01-1995	08-2000	D-70	01-1986	08-2000
BR-2	01-1995	08-2000	D-75	01-1986	08-2000
BR-3	07-1995	06-1999	E-1	12-1985	08-2000
BR-4	07-1995	08-2000	E-2	06-1987	08-2000
BR-5	07-1995	08-2000	E-3	06-1987	08-2000
E-5	08-1985	08-2000	HWT2-9	12-1985	08-2000
E-6	06-1987	08-2000	HWT2-10	12-1985	12-1997
E-7	06-1987	08-2000	HWT2-12D	12-1992	12-1998
E-10	10-1985	06-1992	HWT2-12S	06-1992	12-1998
E-15	10-1985	08-2000	HWT14-5	12-1985	07-1996
E-20	08-1985	08-2000	P-4	12-1985	08-2000
HWD2-19D	07-1995	08-2000	P-11	10-1985	08-2000
HWD2-19S	07-1995	08-2000	MW-1	06-1992	08-2000
HWD2-20D	07-1996	08-2000	MW-1G	10-1992	08-2000
HWD2-20S	07-1996	08-2000	MW-2	10-1992	08-2000

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 1993-2000.

SITE ID NUMBER: 413647087191901

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	18.12	APR 25, 1995	17.60	MAR 24, 1998	17.08	SEP 01, 1999	18.77
JUN 08	17.14	JUL 18	16.95	SEP 10	17.34	JAN 05, 2000	19.74
SEP 08	15.72	NOV 30	16.74	DEC 16	18.86	MAR 29	20.12
NOV 08, 1994	17.54	MAR 27, 1996	18.84	MAR 03, 1999	18.85	JUN 29	18.65
JAN 18, 1995	17.67	JUL 10	16.63	JUN 30	18.25	AUG 29	18.62

HIGHEST 15.72 SEP 08, 1993

LOWEST 20.12 MAR 29, 2000

PERIOD OF RECORD HIGHEST 15.72 SEP 08, 1993 LOWEST 20.12 MAR 29, 2000

RECORD AVAILABLE FROM OCT 24, 1985 TO AUG 29, 2000 50 MEASUREMENTS

SITE ID NUMBER: 413706087181800

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	15.78	NOV 30, 1995	15.47	DEC 16, 1998	15.65	MAR 29, 2000	16.28
JUN 08	15.25	MAR 27, 1996	15.98	MAR 03, 1999	15.75	JUN 29	14.95
SEP 08	14.83	JUL 10	15.37	JUL 01	15.60	AUG 29	15.66
NOV 08, 1994	15.44	MAR 24, 1998	15.20	SEP 01	15.84		
JAN 18, 1995	15.39	SEP 10	15.58	JAN 05, 2000	16.08		

HIGHEST 14.83 SEP 08, 1993

LOWEST 16.28 MAR 29, 2000

PERIOD OF RECORD HIGHEST 14.83 SEP 08, 1993 LOWEST 16.28 MAR 29, 2000

RECORD AVAILABLE FROM JUN 26, 1987 TO AUG 29, 2000 39 MEASUREMENTS

SITE ID NUMBER: 413631087182000

STATION NAME: USGS WELL A-3 @ USX COKE PL, N OF GCR, GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 16, 1993	1.45	SEP 08, 1993	1.18	NOV 30, 1995	1.29
JUN 08	1.16	NOV 09, 1994	.65	MAR 27, 1996	1.46
JUL 18	.92	JAN 18, 1995	.36	MAR 24, 1998	1.47

HIGHEST 0.36 JAN 18, 1995

LOWEST 1.47 MAR 24, 1998

PERIOD OF RECORD HIGHEST 0.36 JAN 18, 1995 LOWEST 1.60 JUN 23, 1992, SEP 09, 1992

RECORD AVAILABLE FROM JUN 25, 1987 TO MAR 24, 1998 29 MEASUREMENTS

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 1993-2000.—Continued

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

DATE	WATER LEVEL						
MAR 16, 1993	14.02	NOV 30, 1995	13.92	MAR 24, 1998	13.97	JAN 03, 2000	14.41
JUN 08	13.77	MAR 28, 1996	14.15	SEP 10	14.09	MAR 27	14.33
SEP 08	13.79	JUL 09	13.88	DEC 16	14.20	JUN 26	13.94
NOV 08, 1994	13.36	APR 04, 1997	13.98	MAR 01, 1999	14.16	AUG 30	14.19
JAN 20, 1995	13.07	DEC 11	14.35	SEP 01	14.27		

HIGHEST 13.07 JAN 20, 1995

LOWEST 14.41 JAN 03, 2000

PERIOD OF RECORD HIGHEST 13.07 JAN 20, 1995 LOWEST 14.41 JAN 03, 2000

RECORD AVAILABLE FROM JUN 26, 1987 TO AUG 30, 2000 39 MEASUREMENTS

SITE ID NUMBER: 413629087192102

STATION NAME: USGS WELL A-5 @ USX, N OF GCR, @ GARY HARBOR, GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	14.24	NOV 30, 1995	14.80	DEC 16, 1998	14.74	JUN 29, 2000	13.64
JUN 08	13.99	MAR 27, 1996	15.46	MAR 03, 1999	14.70	AUG 30	14.96
SEP 08	13.64	JUL 10	14.36	JUL 01	14.69		
NOV 08, 1994	14.10	MAR 24, 1998	13.68	JAN 05, 2000	15.63		
JAN 18, 1995	14.29	SEP 10	14.66	MAR 29	15.54		

HIGHEST 13.64 SEP 08, 1993, JUN 29, 2000

LOWEST 15.63 JAN 05, 2000

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 AUG 30, 2000 45 MEASUREMENTS

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 16, 1993	3.77	SEP 08, 1993	2.76	JAN 20, 1995	2.91
JUN 10	2.65	NOV 08, 1994	3.41		

HIGHEST 2.65 JUN 10, 1993

LOWEST 3.77 MAR 16, 1993

PERIOD OF RECORD HIGHEST 2.65 JUN 10, 1993 LOWEST 4.86 OCT 12, 1988

RECORD AVAILABLE FROM JUL 14, 1987 TO JAN 20, 1995 24 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413626087191901
 STATION NAME: USGS WELL A-10 @ USX, N OF GCR, @ GARY HARBOR, GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	4.73	JAN 18, 1995	4.65	MAR 24, 1998	4.29	JUN 29, 2000	4.29
JUN 08	4.07	NOV 30	4.74	SEP 10	4.35	AUG 29	5.77
SEP 08	4.13	MAR 27, 1996	5.04	DEC 16	4.43		
NOV 08, 1994	4.56	JUL 10	4.45	MAR 29, 2000	4.97		

HIGHEST 4.07 JUN 08, 1993
 LOWEST 5.77 AUG 29, 2000

PERIOD OF RECORD HIGHEST 3.89 JUN 26, 1987 LOWEST 5.77 AUG 29, 2000
 RECORD AVAILABLE FROM OCT 24, 1985 TO AUG 29, 2000 43 MEASUREMENTS

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 "+")

DATE	WATER LEVEL						
MAR 16, 1993	0.68	MAR 28, 1996	1.56	DEC 14, 1998	1.10	MAR 27, 2000	1.41
JUN 08	+0.29	JUL 09	.04	MAR 01, 1999	.72	JUN 26	.23
SEP 08	.21	DEC 11, 1997	1.34	JUN 28	.54	AUG 28	1.03
NOV 08, 1994	1.11	MAR 24, 1998	+0.32	AUG 30	1.45		
JAN 20, 1995	.38	JUL 15	.65	JAN 03, 2000	1.73		

HIGHEST +0.32 MAR 24, 1998
 LOWEST 1.73 JAN 03, 2000

PERIOD OF RECORD HIGHEST +0.99 MAR 19, 1991 LOWEST 1.73 JAN 03, 2000
 RECORD AVAILABLE FROM OCT 24, 1985 TO AUG 28, 2000 49 MEASUREMENTS

SITE ID NUMBER: 413503087193501
 STATION NAME: USGS WELL A20 @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	18.06	MAR 28, 1996	18.13	MAR 24, 1998	17.78	AUG 30, 1999	18.29
JUN 08	17.91	JUL 12	17.32	JUL 13	17.88	JAN 03, 2000	18.47
SEP 08	17.82	APR 04, 1997	18.58	SEP 11	18.20	MAR 27	18.15
NOV 08, 1994	18.24	JUN 23	17.87	DEC 14	18.21	JUN 26	17.95
JAN 18, 1995	18.03	JUL 01	17.32	MAR 02, 1999	17.69	AUG 28	18.08
NOV 28	17.98	DEC 09	18.26	JUN 28	17.89		

HIGHEST 17.32 JUL 12, 1996, JUL 01, 1997
 LOWEST 18.58 APR 04, 1997

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 AUG 28, 2000 55 MEASUREMENTS

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 1993-2000.-Continued

SITE ID NUMBER: 413637087234301
STATION NAME: USGS WELL B1 AT GARY, IN.

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 09, 1993	0.25	NOV 09, 1994	+0.72	MAR 26, 1996	+0.69	MAR 24, 1998	+1.02
SEP 09	.06	JAN 19, 1995	+0.53	JUL 10	+0.07	SEP 01, 1999	+1.02
MAR 17, 1994	+0.59	NOV 28	+0.71	APR 03, 1997	+1.20		
HIGHEST	+1.20	APR 03, 1997					
LOWEST	0.25	JUN 09, 1993					
PERIOD OF RECORD	HIGHEST	+1.20	APR 03, 1997	LOWEST	4.51	JUL 05, 1988	
RECORD AVAILABLE FROM	AUG 28, 1985 TO SEP 01, 1999			49 MEASUREMENTS			

SITE ID NUMBER: 413752087223500
STATION NAME: USGS WELL B2 AT USX AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 16, 1993	27.59	NOV 30, 1995	27.86	DEC 16, 1998	28.40	MAR 29, 2000	29.53
JUN 08	26.33	MAR 27, 1996	28.05	MAR 03, 1999	28.20	JUN 29	28.37
SEP 08	26.04	JUL 10	27.85	JUL 01	28.21	AUG 30	28.85
NOV 08, 1994	26.97	MAR 24, 1998	26.28	SEP 01	28.30		
JAN 18, 1995	27.52	SEP 10	27.15	JAN 05, 2000	29.31		
HIGHEST	26.04	SEP 08, 1993					
LOWEST	29.53	MAR 29, 2000					
PERIOD OF RECORD	HIGHEST	25.92	JUN 25, 1987	LOWEST	29.53	MAR 29, 2000	
RECORD AVAILABLE FROM	JUN 25, 1987 TO AUG 30, 2000			38 MEASUREMENTS			

SITE ID NUMBER: 413633087222000
STATION NAME: USGS WELL B3 @ BRIDGE ST. @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 16, 1993	10.30	MAR 27, 1996	10.81	JUL 13, 1998	10.23	JAN 04, 2000	11.02
JUN 09	8.34	JUL 09	8.82	SEP 08	10.43	MAR 27	10.69
SEP 08	9.15	APR 03, 1997	9.58	DEC 14	10.56	JUN 26	8.49
NOV 08, 1994	10.24	JUN 23	9.42	MAR 02, 1999	10.42		
JAN 18, 1995	10.15	DEC 11	10.44	JUN 28	10.10		
NOV 28	10.50	MAR 24, 1998	9.67	AUG 30	10.72		
HIGHEST	8.34	JUN 09, 1993					
LOWEST	11.02	JAN 04, 2000					
PERIOD OF RECORD	HIGHEST	8.34	JUN 09, 1993	LOWEST	11.02	JAN 04, 2000	
RECORD AVAILABLE FROM	JUL 14, 1987 TO JUN 26, 2000			40 MEASUREMENTS			

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 1993-2000.—Continued

SITE ID NUMBER: 413632087234001

STATION NAME: USGS WELL B5 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	4.32	NOV 28, 1995	4.96	MAR 24, 1998	3.52	AUG 31, 1999	6.09
JUN 09	2.77	MAR 26, 1996	5.06	JUL 14	5.38	JAN 04, 2000	5.63
SEP 09	3.59	JUL 10	4.32	DEC 15	6.17	MAR 28	6.18
NOV 09, 1994	4.54	JUN 23, 1997	4.18	MAR 02, 1999	4.70	JUN 27	4.89
JAN 19, 1995	4.50	DEC 11	5.03	JUN 29	4.30	AUG 29	5.26

HIGHEST 2.77 JUN 09, 1993

LOWEST 6.18 MAR 28, 2000

PERIOD OF RECORD HIGHEST 2.77 JUN 09, 1993 LOWEST 7.66 OCT 11, 1988

RECORD AVAILABLE FROM AUG 28, 1985 TO AUG 29, 2000 58 MEASUREMENTS

SITE ID NUMBER: 413617087225202

STATION NAME: USGS WELL B7 SHALLOW @ CHASE ST. @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	8.28	MAR 26, 1996	8.99	MAR 24, 1998	7.18	AUG 30, 1999	8.80
JUN 09	6.84	JUL 09	7.89	JUL 14	7.09	JAN 04, 2000	9.29
SEP 08	6.98	APR 03, 1997	7.82	SEP 08	8.51	MAR 28	9.09
NOV 08, 1994	8.48	JUN 23	7.57	DEC 15	8.98	JUN 27	7.44
JAN 19, 1995	8.44	JUL 15	8.41	MAR 02, 1999	8.50	AUG 28	8.74
NOV 28	8.55	DEC 11	8.92	JUN 28	7.90		

HIGHEST 6.84 JUN 09, 1993

LOWEST 9.29 JAN 04, 2000

PERIOD OF RECORD HIGHEST 6.84 JUN 09, 1993 LOWEST 9.40 SEP 09, 1992

RECORD AVAILABLE FROM JUN 22, 1987 TO AUG 28, 2000 42 MEASUREMENTS

SITE ID NUMBER: 413617087225201

STATION NAME: USGS WELL B8 DEEP @ CHASE ST. @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	8.33	MAR 26, 1996	9.06	DEC 11, 1997	8.94	JUN 28, 1999	7.92
JUN 09	6.88	JUL 09	7.89	MAR 24, 1998	7.24	AUG 30	8.90
SEP 08	7.01	APR 03, 1997	7.84	JUL 14	8.13	JAN 04, 2000	9.32
NOV 08, 1994	8.51	JUN 23	7.77	SEP 08	8.54	MAR 28	9.10
JAN 19, 1995	8.48	JUL 15	8.43	DEC 15	9.00	JUN 27	7.46
NOV 28	8.63	15	8.43	MAR 02, 1999	8.54	AUG 28	8.76

HIGHEST 6.88 JUN 09, 1993

LOWEST 9.32 JAN 04, 2000

PERIOD OF RECORD HIGHEST 6.88 JUN 09, 1993 LOWEST 9.42 SEP 09, 1992

RECORD AVAILABLE FROM JUL 14, 1987 TO AUG 28, 2000 43 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413544087233700

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	11.92	JUL 10, 1996	12.52	JUL 14, 1998	13.21	JAN 04, 2000	15.15
JUN 10	11.49	APR 03, 1997	12.10	SEP 11	14.43	MAR 28	14.38
SEP 09	11.96	JUN 27	12.35	DEC 15	14.94	JUN 27	12.91
NOV 08, 1994	14.35	JUL 09	12.84	MAR 02, 1999	13.69	AUG 29	14.27
JAN 20, 1995	13.21	DEC 11	14.58	JUN 28	13.16		
MAR 27, 1996	13.73	MAR 24, 1998	11.99	AUG 31	14.72		

HIGHEST 11.49 JUN 10, 1993

LOWEST 15.15 JAN 04, 2000

PERIOD OF RECORD HIGHEST 11.47 MAR 20, 1991 LOWEST 15.15 JAN 04, 2000

RECORD AVAILABLE FROM DEC 10, 1985 TO AUG 29, 2000 56 MEASUREMENTS

SITE ID NUMBER: 413620087204401

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	12.41	MAR 28, 1996	13.27	JUL 13, 1998	11.53	JAN 03, 2000	12.97
JUN 08	11.81	JUL 09	11.17	SEP 08	12.20	MAR 27	12.49
SEP 08	10.80	APR 04, 1997	11.09	DEC 14	12.68	JUN 26	11.78
NOV 08, 1994	11.95	JUN 23	11.51	MAR 01, 1999	12.02	AUG 28	11.98
JAN 18, 1995	12.42	DEC 09	12.68	JUN 28	11.54		
NOV 27	12.96	MAR 24, 1998	11.09	AUG 30	12.30		

HIGHEST 10.80 SEP 08, 1993

LOWEST 13.27 MAR 28, 1996

PERIOD OF RECORD HIGHEST 10.80 SEP 08, 1993 LOWEST 13.27 MAR 28, 1996

RECORD AVAILABLE FROM JUN 23, 1992 TO AUG 28, 2000 24 MEASUREMENTS

SITE ID NUMBER: 413548087204001

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	10.54	MAR 28, 1996	11.07	MAR 24, 1998	9.61	AUG 30, 1999	10.87
JUN 08	10.38	JUL 12	9.84	JUL 13	10.44	JAN 03, 2000	11.25
SEP 08	10.07	APR 04, 1997	9.95	SEP 08	10.91	MAR 27	10.65
NOV 08, 1994	11.10	JUN 27	10.43	DEC 14	11.00	JUN 26	10.16
JAN 18, 1995	10.42	JUL 09	10.52	MAR 01, 1999	10.40	AUG 28	10.70
NOV 27	10.57	DEC 09	11.23	JUN 28	10.20		

HIGHEST 9.61 MAR 24, 1998

LOWEST 11.25 JAN 03, 2000

PERIOD OF RECORD HIGHEST 9.61 MAR 24, 1998 LOWEST 11.25 JAN 03, 2000

RECORD AVAILABLE FROM JUN 23, 1992 TO AUG 28, 2000 25 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413445087204701

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	6.41	MAR 28, 1996	7.60	JUL 13, 1998	5.27	JAN 03, 2000	7.99
JUN 08	5.59	JUL 12	2.59	SEP 11	5.97	MAR 27	9.49
SEP 08	4.51	APR 04, 1997	5.57	DEC 14	7.15	JUN 26	6.10
NOV 08, 1994	6.47	JUN 27	4.58	MAR 02, 1999	6.79	AUG 28	7.38
JAN 18, 1995	6.22	DEC 09	7.45	JUN 28	6.08		
NOV 27	6.19	MAR 24, 1998	5.86	AUG 30	6.69		

HIGHEST 2.59 JUL 12, 1996

LOWEST 9.49 MAR 27, 2000

PERIOD OF RECORD HIGHEST 2.59 JUL 12, 1996 LOWEST 9.49 MAR 27, 2000

RECORD AVAILABLE FROM JUN 23, 1992 TO AUG 28, 2000 24 MEASUREMENTS

SITE ID NUMBER: 414120087304701

STATION NAME: USEPA WELL BH-15 AT HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	2.00	MAR 29, 1996	1.28	JUL 15, 1998	2.31	MAR 28, 2000	2.37
JUN 07	1.63	JUL 18	1.60	SEP 11	2.17	JUN 28	1.96
SEP 07	2.04	APR 01, 1997	1.53	DEC 17	2.16	AUG 30	2.35
NOV 07, 1994	1.68	JUN 24	1.77	MAR 04, 1999	2.12		
JAN 17, 1995	1.63	DEC 09	1.65	JUN 28	2.33		
NOV 28	1.88	MAR 24, 1998	1.42	SEP 01	2.39		

HIGHEST 1.28 MAR 29, 1996

LOWEST 2.39 SEP 01, 1999

PERIOD OF RECORD HIGHEST 1.28 MAR 29, 1996 LOWEST 2.39 SEP 01, 1999

RECORD AVAILABLE FROM JUN 23, 1992 TO AUG 30, 2000 23 MEASUREMENTS

SITE ID NUMBER: 413706087150701

STATION NAME: USEPA WELL BH-17 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	11.63	MAR 28, 1996	12.79	JUL 16, 1998	10.98	JAN 03, 2000	13.08
JUN 08	10.11	JUL 09	10.76	SEP 08	11.60	MAR 27	13.06
SEP 08	10.00	APR 03, 1997	10.44	DEC 14	11.06	JUN 26	12.18
NOV 08, 1994	11.71	JUN 25	11.44	MAR 01, 1999	11.87	AUG 28	12.37
JAN 20, 1995	11.43	DEC 09	11.71	JUN 28	11.61		
NOV 30	13.00	MAR 24, 1998	10.68	AUG 30	12.24		

HIGHEST 10.00 SEP 08, 1993

LOWEST 13.08 JAN 03, 2000

PERIOD OF RECORD HIGHEST 10.00 SEP 08, 1993 LOWEST 13.08 JAN 03, 2000

RECORD AVAILABLE FROM JUN 23, 1992 TO AUG 28, 2000 24 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413516087222301

STATION NAME: USEPA WELL BH-19 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	10.85	NOV 27, 1995	11.16	JUN 23, 1997	10.77	MAR 02, 1999	10.53
JUN 08	10.73	MAR 28, 1996	11.02	MAR 24, 1998	9.86	JUN 28	9.74
NOV 08, 1994	10.62	JUL 12	10.32	JUL 13	10.83	AUG 30	10.42
JAN 18, 1995	10.85	APR 03, 1997	10.27	SEP 11	11.22		

HIGHEST 9.74 JUN 28, 1999

LOWEST 11.22 SEP 11, 1998

PERIOD OF RECORD HIGHEST 9.74 JUN 28, 1999 LOWEST 11.30 JUN 23, 1992
RECORD AVAILABLE FROM JUN 23, 1992 TO AUG 30, 1999 17 MEASUREMENTS

SITE ID NUMBER: 413615087201301

STATION NAME: USEPA WELL BH-20 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	12.57	JAN 18, 1995	12.33	APR 04, 1997	12.01	SEP 08, 1998	12.44
JUN 08	12.20	NOV 27	12.71	JUN 23	12.22		
SEP 08	11.61	MAR 28, 1996	14.28	DEC 09	12.72		
NOV 08, 1994	12.58	JUL 09	11.98	MAR 24, 1998	11.72		

HIGHEST 11.61 SEP 08, 1993

LOWEST 14.28 MAR 28, 1996

PERIOD OF RECORD HIGHEST 11.61 SEP 08, 1993 LOWEST 14.28 MAR 28, 1996
RECORD AVAILABLE FROM JUN 23, 1992 TO SEP 08, 1998 15 MEASUREMENTS

SITE ID NUMBER: 413947087302501

STATION NAME: USEPA WELL BH31 @ BARISTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
APR 28, 1993	16.09	NOV 07, 1995	15.12	JUL 12, 1996	15.30	APR 01, 1997	14.96
JUN 24	14.57	DEC 01	16.62	17	15.44	JUN 24	14.27
SEP 07	14.91	MAR 29, 1996	15.42	AUG 02	14.63	JUL 14	15.58
APR 24, 1994	14.96	APR 05	15.64	12	14.98	MAR 24, 1998	14.89
JAN 17, 1995	14.88	JUN 06	14.94	14	14.93	JUL 15	15.53
JUL 17	15.54	14	15.03	15	14.98	SEP 17	15.90

HIGHEST 14.27 JUN 24, 1997

LOWEST 16.62 DEC 01, 1995

PERIOD OF RECORD HIGHEST 14.27 JUN 24, 1997 LOWEST 16.62 DEC 01, 1995
RECORD AVAILABLE FROM APR 28, 1993 TO SEP 17, 1998 24 MEASUREMENTS

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 1993-2000.-Continued

SITE ID NUMBER: 413949087301901

STATION NAME: USGS WELL BH-32-DEEP @ BARISTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 17, 1996	14.86	AUG 13, 1996	14.35	JUL 16, 1997	15.13	AUG 30, 2000	15.07
AUG 01	14.05	APR 01, 1997	14.34	JUL 15, 1998	15.07		
02	14.10	JUN 24	16.76	MAR 30, 2000	15.39		
12	14.31	JUL 16	15.13	JUN 28	14.33		

HIGHEST 14.05 AUG 01, 1996

LOWEST 16.76 JUN 24, 1997

PERIOD OF RECORD HIGHEST 14.05 AUG 01, 1996 LOWEST 16.76 JUN 24, 1997
RECORD AVAILABLE FROM JUL 17, 1996 TO AUG 30, 2000 13 MEASUREMENTS

SITE ID NUMBER: 413949087301902

STATION NAME: USGS WELL BH-32-INTERMEDIATE @ BAIRSTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 17, 1996	14.93	APR 01, 1997	14.42	JUL 15, 1998	15.05	AUG 30, 2000	15.01
AUG 01	13.59	JUN 24	17.16	MAR 30, 2000	15.46		
13	14.45	JUL 16	14.80	JUN 28	14.40		

HIGHEST 13.59 AUG 01, 1996

LOWEST 17.16 JUN 24, 1997

PERIOD OF RECORD HIGHEST 13.59 AUG 01, 1996 LOWEST 17.16 JUN 24, 1997
RECORD AVAILABLE FROM JUL 17, 1996 TO AUG 30, 2000 10 MEASUREMENTS

SITE ID NUMBER: 413949087301903

STATION NAME: USGS WELL BH-32-SHALLOW @ BAIRSTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 17, 1996	14.63	AUG 13, 1996	14.14	JUL 14, 1997	14.83	JUN 28, 2000	14.14
AUG 01	13.79	APR 01, 1997	14.13	JUL 15, 1998	14.77	AUG 30	14.84
12	14.11	JUN 24	17.78	MAR 30, 2000	15.18		

HIGHEST 13.79 AUG 01, 1996

LOWEST 17.78 JUN 24, 1997

PERIOD OF RECORD HIGHEST 13.79 AUG 01, 1996 LOWEST 17.78 JUN 24, 1997
RECORD AVAILABLE FROM JUL 17, 1996 TO AUG 30, 2000 11 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413949087301904

STATION NAME: USGS WELL BH-32-SLAG @ BAIRSTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 17, 1996	14.23	AUG 12, 1996	13.68	JUL 14, 1997	14.41	JUN 28, 2000	13.70
AUG 01	13.34	APR 01, 1997	14.70	JUL 15, 1998	14.33	AUG 30	14.39
02	13.38	JUN 24	16.90	MAR 30, 2000	14.74		

HIGHEST 13.34 AUG 01, 1996
 LOWEST 16.90 JUN 24, 1997

PERIOD OF RECORD HIGHEST 13.34 AUG 01, 1996 LOWEST 16.90 JUN 24, 1997
 RECORD AVAILABLE FROM JUL 17, 1996 TO AUG 30, 2000 11 MEASUREMENTS

SITE ID NUMBER: 413951087301901

STATION NAME: USGS WELL BH-33-INTERMEDIATE @ BAIRSTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 17, 1996	2.50	AUG 02, 1996	1.68	JUN 24, 1997	5.73	MAR 30, 2000	3.00
31	1.62	14	1.99	JUL 16	2.72	JUN 28	1.97
AUG 01	1.67	APR 01, 1997	1.98	JUL 15, 1998	2.65	AUG 30	2.68

HIGHEST 1.62 JUL 31, 1996
 LOWEST 5.73 JUN 24, 1997

PERIOD OF RECORD HIGHEST 1.62 JUL 31, 1996 LOWEST 5.73 JUN 24, 1997
 RECORD AVAILABLE FROM JUL 17, 1996 TO AUG 30, 2000 12 MEASUREMENTS

SITE ID NUMBER: 413951087301902

STATION NAME: USGS WELL BH-33-SHALLOW @ BAIRSTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 17, 1996	2.31	AUG 14, 1996	1.83	JUL 16, 1997	2.56	JUN 28, 2000	1.85
31	1.53	APR 01, 1997	1.83	JUL 15, 1998	2.46	AUG 30	2.52
AUG 02	1.53	JUN 24	4.66	MAR 30, 2000	3.11		

HIGHEST 1.53 JUL 31, 1996, AUG 02, 1996
 LOWEST 4.66 JUN 24, 1997

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 AUG 30, 2000 11 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413951087301903

STATION NAME: USGS WELL BH-33-SLAG @ BAIRSTOW SLAG DUMP, HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 17, 1996	2.17	AUG 14, 1996	1.65	JUL 16, 1997	2.38	JUN 28, 2000	1.64
31	1.27	APR 01, 1997	1.63	JUL 15, 1998	2.27	AUG 30	2.35
AUG 02	1.34	JUN 24	4.59	MAR 30, 2000	2.40		

HIGHEST 1.27 JUL 31, 1996

LOWEST 4.59 JUN 24, 1997

PERIOD OF RECORD HIGHEST 1.27 JUL 31, 1996 LOWEST 4.59 JUN 24, 1997
RECORD AVAILABLE FROM JUL 17, 1996 TO AUG 30, 2000 11 MEASUREMENTS

SITE ID NUMBER: 413954087301901

STATION NAME: USGS WELL BH-34-DEEP IN LK GEORGE, BAIRSTOW DUMP, HAMMOND, IN.

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

DATE	WATER LEVEL						
JUN 14, 1996	+2.78	AUG 12, 1996	+3.03	AUG 15, 1996	+2.91	JUL 15, 1998	+0.89
AUG 02	+3.10	13	+3.03	JUL 16, 1997	+1.88		

HIGHEST +3.10 AUG 02, 1996

LOWEST +0.89 JUL 15, 1998

PERIOD OF RECORD HIGHEST +3.10 AUG 02, 1996 LOWEST +0.89 JUL 15, 1998
RECORD AVAILABLE FROM JUN 14, 1996 TO JUL 15, 1998

SITE ID NUMBER: 413954087301902

STATION NAME: USGS WELL BH-34-SHALLOW IN LK GEORGE, BAIRSTOW DUMP, HAMMOND, IN.

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 14, 1996	+1.46	AUG 12, 1996	+1.94	AUG 15, 1996	+1.94
AUG 02	+1.99	13	+1.94	JUL 16, 1997	+0.82

HIGHEST +1.99 AUG 02, 1996

LOWEST +0.82 JUL 16, 1997

PERIOD OF RECORD HIGHEST +1.99 AUG 02, 1996 LOWEST +0.82 JUL 16, 1997
RECORD AVAILABLE FROM JUN 14, 1996 TO JUL 16, 1997 7 MEASUREMENTS

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 1993-2000.—Continued

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 08, 1992	10.11	NOV 30, 1995	10.86	SEP 10, 1998	11.69	MAR 29, 2000	11.00
MAR 16, 1993	10.14	MAR 27, 1996	11.78	DEC 16	11.54	JUN 28	8.90
JUN 08	8.41	JUL 09	10.43	MAR 03, 1999	11.02	AUG 29	10.25
SEP 08	9.77	JUN 26, 1997	9.98	JUL 01	10.41		
NOV 08, 1994	9.79	DEC 11	10.91	SEP 01	11.23		
JAN 18, 1995	8.82	MAR 24, 1998	9.43	JAN 05, 2000	11.58		
HIGHEST	8.41	JUN 08, 1993					
LOWEST	11.78	MAR 27, 1996					
PERIOD OF RECORD	HIGHEST	8.41	JUN 08, 1993	LOWEST	11.78	MAR 27, 1996	
RECORD AVAILABLE FROM	OCT 12, 1985	TO	AUG 29, 2000	49	MEASUREMENTS		

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 "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18, 1995	3.06	JUL 12, 1996	0.48	JUL 13, 1998	0.19	JAN 03, 2000	0.33
APR 25	.00	APR 04, 1997	.18	SEP 08	.21	MAR 27	.21
JUL 18	.49	JUN 23	1.37	DEC 14	.09	JUN 26	+1.29
20	.41	JUL 10	+0.06	MAR 01, 1999	1.09	AUG 28	.26
NOV 27	.19	DEC 09	.16	JUN 28	.25		
MAR 28, 1996	.30	MAR 24, 1998	.20	AUG 30	.80		
HIGHEST	+0.29	JUN 26, 2000					
LOWEST	3.06	JAN 18, 1995					
PERIOD OF RECORD	HIGHEST	+0.29	JUN 26, 2000	LOWEST	3.06	JAN 18, 1995	
RECORD AVAILABLE FROM	JAN 18, 1995	TO	AUG 28, 2000	22	MEASUREMENTS		

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 "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 24, 1995	4.10	JUN 23, 1997	1.10	JUL 13, 1998	1.86	JAN 03, 2000	+1.14
APR 25	.18	JUL 10	.99	SEP 09	.91	MAR 27	+1.34
JUL 20	2.29	11	1.24	DEC 14	+0.73	JUN 26	+1.36
MAR 25, 1996	+0.65	11	1.24	MAR 03, 1999	+1.26	AUG 28	+0.79
JUL 09	1.66	DEC 08	1.11	JUN 30	1.92		
APR 03, 1997	1.30	MAR 24, 1998	.82	AUG 30	.96		
HIGHEST	+1.36	JUN 26, 2000					
LOWEST	4.10	JAN 24, 1995					
PERIOD OF RECORD	HIGHEST	+1.36	JUN 26, 2000	LOWEST	4.10	JAN 24, 1995	
RECORD AVAILABLE FROM	JAN 24, 1995	TO	AUG 28, 2000	22	MEASUREMENTS		

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 1993-2000.—Continued

SITE ID NUMBER: 413419087301701

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 21, 1995	9.34	JUL 10, 1997	3.59	JUL 16, 1998	3.17	JUN 29, 1999	1.92
MAR 28, 1996	5.98	11	3.49	SEP 09	3.53		
MAR 31, 1997	3.83	DEC 09	3.30	DEC 17	2.80		
JUN 23	3.49	MAR 24, 1998	2.32	MAR 02, 1999	2.15		

HIGHEST 1.92 JUN 29, 1999

LOWEST 9.34 JUL 21, 1995

PERIOD OF RECORD HIGHEST 1.92 JUN 29, 1999 LOWEST 9.34 JUL 21, 1995
RECORD AVAILABLE FROM JUL 21, 1995 TO JUN 29, 1999 13 MEASUREMENTS

SITE ID NUMBER: 413716087232601

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 21, 1995	9.16	JUN 26, 1997	8.47	MAR 02, 1999	8.01	JUN 27, 2000	9.95
NOV 28	9.31	JUL 15	8.60	JUN 29	8.18	AUG 29	8.71
MAR 27, 1996	9.50	DEC 11	8.35	SEP 01	8.35		
JUL 12	9.67	SEP 10, 1998	8.34	JAN 04, 2000	8.30		
APR 01, 1997	8.66	DEC 16	8.25	MAR 28	8.05		

HIGHEST 8.01 MAR 02, 1999

LOWEST 9.95 JUN 27, 2000

PERIOD OF RECORD HIGHEST 8.01 MAR 02, 1999 LOWEST 9.95 JUN 27, 2000
RECORD AVAILABLE FROM JUL 21, 1995 TO AUG 29, 2000 17 MEASUREMENTS

SITE ID NUMBER: 413732087255801

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 21, 1995	17.42	JUN 26, 1997	15.11	MAR 03, 1999	14.26	JUN 28, 2000	14.40
NOV 29	15.68	JUL 17	14.30	JUN 29	14.40	AUG 29	14.39
MAR 26, 1996	15.57	DEC 12	15.36	SEP 01	14.54		
JUL 11	15.33	SEP 18, 1998	15.53	JAN 05, 2000	14.96		
APR 02, 1997	15.15	DEC 16	14.56	MAR 29	14.84		

HIGHEST 14.26 MAR 03, 1999

LOWEST 17.42 JUL 21, 1995

PERIOD OF RECORD HIGHEST 14.26 MAR 03, 1999 LOWEST 17.42 JUL 21, 1995
RECORD AVAILABLE FROM JUL 21, 1995 TO AUG 29, 2000 17 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413830087260000

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	3.57	MAR 26, 1996	4.67	MAR 24, 1998	2.99	JAN 05, 2000	5.05
JUN 11	2.04	JUL 11	3.73	SEP 08	4.55	MAR 29	4.92
SEP 09	3.06	APR 02, 1997	3.41	DEC 16	4.65	JUN 28	3.17
NOV 09, 1994	3.71	JUN 25	3.57	MAR 03, 1999	4.03	AUG 29	4.37
JAN 19, 1995	2.99	JUL 17	4.21	JUN 29	3.22		
NOV 29	3.26	DEC 12	4.21	SEP 01	4.61		

HIGHEST 2.04 JUN 11, 1993

LOWEST 5.05 JAN 05, 2000

PERIOD OF RECORD HIGHEST 2.04 JUN 11, 1993 LOWEST 5.30 OCT 11, 1988
RECORD AVAILABLE FROM DEC 09, 1985 TO AUG 29, 2000 57 MEASUREMENTS

SITE ID NUMBER: 414031087245000

STATION NAME: USGS WELL C2 @INLAND STEEL NR. E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 07, 1992	9.39	NOV 09, 1994	8.05	JUL 11, 1996	8.65	SEP 08, 1998	8.78
MAR 17, 1993	8.19	JAN 19, 1995	8.62	APR 02, 1997	9.44		
JUN 09	9.03	NOV 29	8.84	JUN 26	10.43		
SEP 09	9.16	MAR 28, 1996	9.42	DEC 10	7.74		

HIGHEST 7.74 DEC 10, 1997

LOWEST 10.43 JUN 26, 1997

PERIOD OF RECORD HIGHEST 7.74 DEC 10, 1997 LOWEST 10.63 AUG 04, 1987
RECORD AVAILABLE FROM JUL 07, 1987 TO SEP 08, 1998 28 MEASUREMENTS

SITE ID NUMBER: 413828087251301

STATION NAME: USGS WELL C3 @ BUFFINGTON HARBOR, E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	8.25	NOV 29, 1995	8.86	JUL 13, 1998	7.55	SEP 01, 1999	8.79
JUN 11	7.05	MAR 26, 1996	9.45	SEP 08	7.34	JAN 05, 2000	9.53
SEP 09	7.68	APR 02, 1997	7.66	DEC 16	8.66	MAR 29	9.63
NOV 09, 1994	8.15	JUN 25	7.26	MAR 03, 1999	8.12	JUN 28	8.89
JAN 19, 1995	8.79	JUL 17	7.33	JUN 29	8.03	AUG 29	9.17

HIGHEST 7.05 JUN 11, 1993

LOWEST 9.63 MAR 29, 2000

PERIOD OF RECORD HIGHEST 7.05 JUN 11, 1993 LOWEST 9.63 MAR 29, 2000
RECORD AVAILABLE FROM JUN 24, 1987 TO AUG 29, 2000 40 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413828087251302

STATION NAME: USGS WELL C4 @ BUFFINGTON HARBOR, E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	8.29	NOV 29, 1995	8.90	JUL 13, 1998	6.93	SEP 01, 1999	9.01
JUN 11	7.07	MAR 26, 1996	9.51	SEP 08	6.69	JAN 05, 2000	9.75
SEP 09	7.74	APR 02, 1997	7.80	DEC 16	8.01	MAR 29	9.82
NOV 09, 1994	8.06	JUN 25	7.40	MAR 03, 1999	7.48	JUN 28	9.15
JAN 19, 1995	8.81	DEC 12	7.72	JUN 29	7.41	AUG 29	9.31

HIGHEST 6.69 SEP 08, 1998

LOWEST 9.82 MAR 29, 2000

PERIOD OF RECORD HIGHEST 6.69 SEP 08, 1998 LOWEST 9.82 MAR 29, 2000

RECORD AVAILABLE FROM JUN 24, 1987 TO AUG 29, 2000 40 MEASUREMENTS

SITE ID NUMBER: 413655087275202

STATION NAME: USGS WELL C-5 DUPONT PROPERTY NORTH (RPD=96), E. CHICAGO, IN.

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 1993	0.14	SEP 09, 1993	0.04	JAN 19, 1995	+0.07
JUN 10	+0.91	NOV 09, 1994	.99	JUN 27, 1997	2.36

HIGHEST +0.91 JUN 10, 1993

LOWEST 2.36 JUN 27, 1997

PERIOD OF RECORD HIGHEST +0.91 JUN 10, 1993 LOWEST 3.11 JUL 06, 1988

RECORD AVAILABLE FROM OCT 25, 1985 TO JUN 27, 1997 36 MEASUREMENTS

SITE ID NUMBER: 413652087274901

STATION NAME: USGS WELL C-10 DUPONT PROPERTY MIDDLE (RPD=24), E. CHICAGO, IN.

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

DATE	WATER LEVEL						
OCT 05, 1992	2.37	NOV 29, 1995	1.53	JUL 14, 1998	2.08	MAR 28, 2000	2.10
MAR 18, 1993	1.11	MAR 28, 1996	1.52	DEC 15	2.01	JUN 27	1.50
JUN 10	.69	APR 02, 1997	1.01	MAR 02, 1999	1.35	AUG 29	3.29
SEP 09	1.06	JUN 27	2.22	JUN 30	1.65		
NOV 09, 1994	1.04	DEC 12	1.22	AUG 31	3.02		
JAN 19, 1995	.87	MAR 24, 1998	.88	JAN 04, 2000	2.42		

HIGHEST 0.69 JUN 10, 1993

LOWEST 3.29 AUG 29, 2000

PERIOD OF RECORD HIGHEST +0.01 NOV 27, 1985 LOWEST 3.29 AUG 29, 2000

RECORD AVAILABLE FROM OCT 25, 1985 TO AUG 29, 2000 54 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413650087262000

STATION NAME: USGS WELL C12 DEEP AT E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 05, 1992	2.48	JAN 19, 1995	0.70	MAR 24, 1998	0.87	AUG 31, 1999	3.07
MAR 18, 1993	1.19	NOV 29	1.68	JUL 14	2.20	JAN 04, 2000	2.57
JUN 10	.65	MAR 28, 1996	1.71	DEC 15	2.18	MAR 28	2.29
SEP 09	1.08	APR 02, 1997	1.06	MAR 02, 1999	1.53	JUN 27	1.66
NOV 09, 1994	.98	DEC 12	1.24	JUN 30	1.83	AUG 29	3.34

HIGHEST 0.65 JUN 10, 1993

LOWEST 3.34 AUG 29, 2000

PERIOD OF RECORD HIGHEST 0.27 NOV 28, 1990 LOWEST 3.34 AUG 29, 2000
RECORD AVAILABLE FROM AUG 05, 1987 TO AUG 29, 2000 38 MEASUREMENTS

SITE ID NUMBER: 413650087274802

STATION NAME: USGS WELL C-15 DUPONT PROPERTY SOUTH (RPD=96), E. CHICAGO, IN.

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

DATE	WATER LEVEL						
MAR 18, 1993	0.40	NOV 09, 1994	0.22	MAR 28, 1996	1.09	MAR 02, 1999	0.75
JUN 10	.27	JAN 19, 1995	.49	MAR 24, 1998	.31		
SEP 09	.33	NOV 29	.74	DEC 15	1.15		

HIGHEST 0.22 NOV 09, 1994

LOWEST 1.15 DEC 15, 1998

PERIOD OF RECORD HIGHEST +0.72 APR 01, 1986 LOWEST 1.71 JUL 06, 1988
RECORD AVAILABLE FROM OCT 25, 1985 TO MAR 02, 1999 40 MEASUREMENTS

SITE ID NUMBER: 413559087270301

STATION NAME: LAKE 13 (LK 13) (ALSO KNOWN AS WELL C-17), HAMMOND, IN.

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

DATE	WATER LEVEL						
NOV 29, 1995	2.52	DEC 11, 1997	2.41	MAR 02, 1999	1.78	JUN 27, 2000	+2.06
MAR 28, 1996	2.03	MAR 24, 1998	.52	JUN 29	+.92	AUG 29	.73
JUL 11	2.92	JUL 14	.12	AUG 31	1.07		
APR 03, 1997	.67	SEP 09	.83	JAN 04, 2000	.03		
JUN 27	2.71	DEC 15	+.27	MAR 28	+.99		

HIGHEST +2.06 JUN 27, 2000

LOWEST 2.92 JUL 11, 1996

PERIOD OF RECORD HIGHEST +2.06 JUN 27, 2000 LOWEST 4.90 OCT 12, 1988
RECORD AVAILABLE FROM JUL 18, 1986 TO AUG 29, 2000 25 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413607087252200

STATION NAME: USGS WELL C18 @US 20 & EJ&E @ GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 05, 1992	4.41	NOV 29, 1995	3.36	JUL 14, 1998	3.26	JAN 04, 2000	3.96
MAR 18, 1993	2.47	MAR 28, 1996	3.17	SEP 09	3.96	MAR 28	3.53
JUN 10	1.97	JUL 10	2.96	DEC 15	3.72	JUN 27	2.42
SEP 09	2.32	APR 02, 1997	2.25	MAR 02, 1999	2.91		
NOV 08, 1994	3.21	DEC 11	3.18	JUN 29	2.62		
JAN 19, 1995	2.47	MAR 24, 1998	2.14	AUG 31	4.28		

HIGHEST 1.97 JUN 10, 1993

LOWEST 4.41 OCT 05, 1992

PERIOD OF RECORD HIGHEST 1.97 JUN 10, 1993 LOWEST 5.18 OCT 12, 1988

RECORD AVAILABLE FROM JUN 24, 1987 TO JUN 27, 2000 32 MEASUREMENTS

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 "+")

DATE	WATER LEVEL						
MAR 18, 1993	+0.61	NOV 29, 1995	1.60	DEC 11, 1997	1.42	JUN 27, 2000	1.54
JUN 10	1.00	MAR 26, 1996	1.41	MAR 24, 1998	1.38	AUG 29	2.74
SEP 09	1.40	JUL 10	2.14	MAR 02, 1999	1.52		
NOV 08, 1994	1.38	APR 02, 1997	1.52	JAN 04, 2000	2.07		
JAN 19, 1995	1.08	JUN 27	1.92	MAR 28	1.85		

HIGHEST +0.61 MAR 18, 1993

LOWEST 2.74 AUG 29, 2000

PERIOD OF RECORD HIGHEST +0.61 MAR 18, 1993 LOWEST 3.11 OCT 12, 1988

RECORD AVAILABLE FROM DEC 15, 1986 TO AUG 29, 2000 38 MEASUREMENTS

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 "+")

DATE	WATER LEVEL						
MAR 18, 1993	+0.58	NOV 29, 1995	0.38	JUL 14, 1998	0.83	MAR 28, 2000	0.63
JUN 10	+1.14	JUL 11, 1996	.08	DEC 15	1.14	JUN 27	+ .43
SEP 09	+ .50	DEC 11, 1997	.37	MAR 02, 1999	.15		
NOV 09, 1994	.30	MAR 24, 1998	+ .60	JAN 04, 2000	1.29		

HIGHEST +1.14 JUN 10, 1993

LOWEST 1.29 JAN 04, 2000

PERIOD OF RECORD HIGHEST +1.35 NOV 29, 1990 LOWEST 5.75 MAR 04, 1986

RECORD AVAILABLE FROM AUG 28, 1985 TO JUN 27, 2000 46 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413527087254301

STATION NAME: USGS WELL C25 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18, 1993	1.74	NOV 29, 1995	1.94	MAR 24, 1998	0.58	JAN 04, 2000	3.79
JUN 10	.76	MAR 28, 1996	1.15	DEC 15	2.72	MAR 28	3.09
SEP 09	.70	JUL 11	2.72	MAR 02, 1999	1.96	JUN 27	.48
NOV 09, 1994	.73	JUN 27, 1997	2.37	JUN 29	1.78	AUG 29	3.38
JAN 19, 1995	.80	DEC 11	2.05	AUG 31	4.17		

HIGHEST 0.48 JUN 27, 2000

LOWEST 4.17 AUG 31, 1999

PERIOD OF RECORD HIGHEST 0.48 JUN 27, 2000 LOWEST 4.17 AUG 31, 1999
RECORD AVAILABLE FROM DEC 05, 1985 TO AUG 29, 2000 51 MEASUREMENTS

SITE ID NUMBER: 413722087251301

STATION NAME: WELL CGA-3 (NORTH), W. BORDER AIRPORT, GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 09, 1992	4.76	NOV 09, 1994	5.13	JUL 10, 1996	4.92	JUL 14, 1998	5.82
MAR 17, 1993	4.48	JAN 25, 1995	5.53	APR 03, 1997	5.67	DEC 15	5.89
JUN 09	3.95	NOV 28	5.64	JUN 26	5.53	MAR 02, 1999	5.55
SEP 09	4.37	MAR 26, 1996	4.74	DEC 11	5.81		

HIGHEST 3.95 JUN 09, 1993

LOWEST 5.89 DEC 15, 1998

PERIOD OF RECORD HIGHEST 3.81 NOV 28, 1990 LOWEST 5.89 DEC 15, 1998
RECORD AVAILABLE FROM OCT 24, 1985 TO MAR 02, 1999 46 MEASUREMENTS

SITE ID NUMBER: 413719087251901

STATION NAME: WELL CGA-4 SOUTH, W. PERIM RD, AIRPORT AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 09, 1992	6.21	JAN 25, 1995	5.70	JUN 26, 1997	6.24	JUN 29, 1999	6.54
MAR 17, 1993	5.52	NOV 28	5.99	DEC 11	6.27	AUG 31	7.22
JUN 09	5.35	MAR 26, 1996	6.11	MAR 24, 1998	5.88		
SEP 09	5.78	JUL 10	6.29	DEC 15	6.40		
NOV 09, 1994	5.38	APR 03, 1997	6.14	MAR 02, 1999	6.01		

HIGHEST 5.35 JUN 09, 1993

LOWEST 7.22 AUG 31, 1999

PERIOD OF RECORD HIGHEST 5.1 NOV 28, 1990 LOWEST 7.22 AUG 31, 1999
RECORD AVAILABLE FROM OCT 24, 1985 TO AUG 31, 1999 48 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 414052087291201

STATION NAME: USGS WELL D1 @ WHITING, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	8.27	DEC 01, 1995	DRY	DEC 12, 1997	8.87	MAR 29, 2000	DRY
JUN 07	8.02	MAR 29, 1996	DRY	JUL 15, 1998	8.50	JUN 28	8.64
SEP 07	7.31	JUN 06	7.56	SEP 09	8.77	AUG 30	DRY
NOV 07, 1994	8.06	JUL 11	7.97	DEC 17	DRY		
JAN 17, 1995	8.19	APR 01, 1997	7.82	SEP 01, 1999	DRY		
		JUN 25	7.26	JAN 06, 2000	DRY		

HIGHEST 7.26 JUN 25, 1997

LOWEST 8.87 DEC 12, 1997

PERIOD OF RECORD HIGHEST 6.76 AUG 25, 1985 LOWEST 9.09 SEP 08, 1992

RECORD AVAILABLE FROM AUG 25, 1985 TO AUG 30, 2000 58 MEASUREMENTS

SITE ID NUMBER: 414044087290801

STATION NAME: USGS WELL D5 AT WHITING, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	5.02	APR 01, 1997	5.72	JUL 15, 1998	6.88	SEP 01, 1999	DRY
JUN 07	4.73	JUN 25	6.04	SEP 09	DRY	JAN 06, 2000	DRY
SEP 07	4.10	JUL 18	6.58	DEC 17	DRY	MAR 29	DRY
JUL 11, 1994	4.74	DEC 12	6.65	MAR 04, 1999	7.18	JUN 28	5.48
JUL 11, 1996	5.74	MAR 24, 1998	5.73	JUN 29	6.57	AUG 30	DRY

HIGHEST 4.10 SEP 07, 1993

LOWEST 7.18 MAR 04, 1999

PERIOD OF RECORD HIGHEST 4.10 SEP 07, 1993 LOWEST 7.18 MAR 04, 1999

RECORD AVAILABLE FROM AUG 28, 1985 TO AUG 30, 2000 53 MEASUREMENTS

SITE ID NUMBER: 414043087290802

STATION NAME: USGS WELL D10 @ WHITING, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	4.54	MAR 29, 1996	6.25	MAR 24, 1998	5.63	SEP 01, 1999	7.36
JUN 07	4.70	JUL 11	5.76	JUL 15	6.68	JAN 06, 2000	8.38
SEP 07	4.12	APR 01, 1997	5.72	SEP 09	6.95	MAR 29	7.81
NOV 07, 1994	4.79	JUN 25	6.04	DEC 17	7.74	JUN 28	5.39
JAN 17, 1995	4.76	JUL 18	5.29	MAR 04, 1999	7.36	AUG 30	7.16
DEC 01	7.45	DEC 12	6.66	JUN 29	6.68		

HIGHEST 4.12 SEP 07, 1993

LOWEST 8.38 JAN 06, 2000

PERIOD OF RECORD HIGHEST 4.12 SEP 07, 1993 LOWEST 8.38 JAN 06, 2000

RECORD AVAILABLE FROM AUG 28, 1985 TO AUG 30, 2000 62 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 414043087290801
STATION NAME: USGS WELL D11 DEEP @ WHITING GARAGE @ WHITING, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	4.91	MAR 29, 1996	6.32	DEC 12, 1997	6.67	JUN 29, 1999	6.61
JUN 07	4.60	JUL 11	5.67	MAR 24, 1998	5.49	SEP 01	7.04
SEP 07	4.01	APR 01, 1997	5.63	JUL 15	6.55	JAN 06, 2000	7.72
NOV 07, 1994	4.67	JUN 25	5.95	SEP 09	6.77	MAR 29	7.67
JAN 17, 1995	4.67	JUL 18	6.19	DEC 17	7.59	JUN 28	5.25
DEC 01	DRY	18	6.19	MAR 04, 1999	7.01	AUG 30	7.03

HIGHEST 4.01 SEP 07, 1993
LOWEST 7.72 JAN 06, 2000

PERIOD OF RECORD HIGHEST 4.01 SEP 07, 1993 LOWEST 7.72 JAN 06, 2000
RECORD AVAILABLE FROM JUN 11, 1987 TO AUG 30, 2000 46 MEASUREMENTS

SITE ID NUMBER: 413941087290000
STATION NAME: USGS WELL D20 @129TH&INDPLS. BLVD.@ E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 15, 1993	3.76	SEP 07, 1993	2.96	JAN 17, 1995	3.94
JUN 10	2.35	NOV 07, 1994	4.05		

HIGHEST 2.35 JUN 10, 1993
LOWEST 4.05 NOV 07, 1994

PERIOD OF RECORD HIGHEST 2.35 JUN 10, 1993 LOWEST 5.88 OCT 11, 1988
RECORD AVAILABLE FROM AUG 28, 1985 TO JAN 17, 1995 43 MEASUREMENTS

SITE ID NUMBER: 413941087292600
STATION NAME: USGS WELL D21 @ AMOCO PARK @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	3.16	MAR 29, 1996	4.51	JUL 17, 1997	4.24	JUN 29, 1999	3.57
JUN 10	1.58	APR 05	4.65	DEC 12	4.74	SEP 01	3.76
SEP 07	2.43	JUN 06	3.27	MAR 24, 1998	3.12	JAN 06, 2000	4.46
NOV 07, 1994	3.14	JUL 18	1.62	SEP 09	4.40	MAR 29	4.39
JAN 17, 1995	2.81	31	1.62	DEC 17	3.63	JUN 28	2.67
DEC 01	4.53	JUN 24, 1997	3.81	MAR 03, 1999	3.91	AUG 30	3.94

HIGHEST 1.58 JUN 10, 1993
LOWEST 4.74 DEC 12, 1997

PERIOD OF RECORD HIGHEST 1.48 NOV 28, 1990 LOWEST 4.74 DEC 12, 1997
RECORD AVAILABLE FROM JUL 17, 1987 TO AUG 30, 2000 45 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413804087291102

STATION NAME: USGS WELL D-25 DICKY ROAD AT IHC WEST (RPD=96), E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	3.75	MAR 26, 1996	5.26	JUL 15, 1998	4.46	MAR 29, 2000	5.98
JUN 09	1.94	JUL 11	4.33	DEC 17	5.42	JUN 28	3.86
SEP 09	3.00	APR 02, 1997	3.74	MAR 03, 1999	5.08	AUG 29	5.22
NOV 07, 1994	3.90	JUN 24	3.71	JUN 29	4.74		
JAN 17, 1995	3.55	DEC 09	2.97	SEP 01	5.34		
DEC 01	4.79	MAR 24, 1998	2.84	JAN 05, 2000	5.87		

HIGHEST 1.94 JUN 09, 1993

LOWEST 5.98 MAR 29, 2000

PERIOD OF RECORD HIGHEST 1.94 JUN 09, 1993 LOWEST 5.98 MAR 29, 2000

RECORD AVAILABLE FROM DEC 05, 1985 TO AUG 29, 2000 54 MEASUREMENTS

SITE ID NUMBER: 413758087290702

STATION NAME: USGS WELL D-30 DICKY ROAD AT IHC MIDDLE (RPD=96), E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	4.54	MAR 26, 1996	5.02	JUL 15, 1998	3.88	JAN 05, 2000	5.91
JUN 09	2.76	JUL 11	3.96	SEP 09	4.27	MAR 29	6.09
SEP 09	3.48	APR 01, 1997	3.56	DEC 17	5.17	JUN 28	4.79
NOV 07, 1994	3.90	JUN 25	3.08	MAR 03, 1999	5.05	AUG 29	5.53
JAN 17, 1995	4.02	DEC 10	3.53	JUN 29	4.84		
NOV 20	4.87	MAR 24, 1998	3.29	SEP 01	5.27		

HIGHEST 2.76 JUN 09, 1993

LOWEST 6.09 MAR 29, 2000

PERIOD OF RECORD HIGHEST 2.43 DEC 05, 1985 LOWEST 6.09 MAR 29, 2000

RECORD AVAILABLE FROM DEC 05, 1985 TO AUG 29, 2000 53 MEASUREMENTS

SITE ID NUMBER: 413907087275901

STATION NAME: USGS WELL D31 DEEP @ DICKY RD. @ E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	4.49	MAR 26, 1996	4.97	JUL 15, 1998	3.83	JAN 05, 2000	5.87
JUN 09	2.71	JUL 11	3.93	SEP 09	4.24	MAR 29	6.02
SEP 09	3.45	APR 01, 1997	3.48	DEC 17	5.13	JUN 28	4.75
NOV 07, 1994	3.85	JUN 25	3.03	MAR 03, 1999	4.99	AUG 29	5.51
JAN 17, 1995	3.97	DEC 10	3.49	JUN 29	6.03		
DEC 01	5.72	MAR 24, 1998	3.24	SEP 01	5.23		

HIGHEST 2.71 JUN 09, 1993

LOWEST 6.03 JUN 29, 1999

PERIOD OF RECORD HIGHEST 2.71 JUN 09, 1993 LOWEST 6.03 JUN 29, 1999

RECORD AVAILABLE FROM JUL 16, 1987 TO AUG 29, 2000 43 MEASUREMENTS

MISCELLANEOUS PROJECT DATA

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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 1993-2000.—Continued

 SITE ID NUMBER: 413757087290601
 STATION NAME: USGS WELL D35 @ E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	5.58	MAR 26, 1996	5.98	JUL 15, 1998	4.76	JAN 05, 2000	6.92
JUN 09	4.84	JUL 11	4.93	SEP 09	5.08	MAR 29	DRY
SEP 09	5.30	APR 01, 1997	4.72	DEC 16	6.04	JUN 28	6.45
NOV 07, 1994	5.48	JUN 25	3.94	MAR 03, 1999	5.96		
JAN 17, 1995	5.65	DEC 10	4.22	JUN 29	4.78		
NOV 20	6.44	MAR 24, 1998	5.06	SEP 01	6.22		

HIGHEST 3.94 JUN 25, 1997
 LOWEST 6.92 JAN 05, 2000

PERIOD OF RECORD HIGHEST 3.29 AUG 13, 1986 LOWEST 6.92 JAN 05, 2000
 RECORD AVAILABLE FROM DEC 05, 1985 TO JUN 28, 2000 52 MEASUREMENTS

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	1.73	MAR 26, 1996	2.11	MAR 24, 1998	1.41	SEP 01, 1999	3.35
JUN 09	.15	JUN 06	1.28	JUL 14	2.63	JAN 06, 2000	3.24
SEP 07	1.50	JUL 11	2.45	SEP 09	2.73	MAR 29	2.97
NOV 07, 1994	1.87	APR 02, 1997	1.88	DEC 16	3.69	JUN 28	1.96
JAN 17, 1995	1.16	JUN 25	2.13	MAR 03, 1999	1.84	AUG 29	2.74
DEC 01	2.07	DEC 12	2.30	JUN 29	4.55		

HIGHEST 0.15 JUN 09, 1993
 LOWEST 4.55 JUN 29, 1999

PERIOD OF RECORD HIGHEST 0.15 JUN 09, 1993 LOWEST 4.55 JUN 29, 1999
 RECORD AVAILABLE FROM OCT 24, 1985 TO AUG 29, 2000 57 MEASUREMENTS

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	4.32	JUL 11, 1996	4.70	SEP 09, 1998	5.24	MAR 29, 2000	4.80
JUN 10	3.32	APR 03, 1997	4.29	DEC 16	5.10	JUN 28	4.09
SEP 09	4.28	JUN 26	4.39	MAR 03, 1999	4.67	AUG 29	5.17
NOV 09, 1994	3.02	DEC 12	4.97	JUN 29	6.87		
JAN 24, 1995	3.53	MAR 24, 1998	3.71	SEP 01	5.20		
MAR 26, 1996	5.73	JUL 15	4.92	JAN 06, 2000	4.98		

HIGHEST 3.02 NOV 09, 1994
 LOWEST 6.87 JUN 29, 1999

PERIOD OF RECORD HIGHEST 2.93 NOV 28, 1990 LOWEST 6.87 JUN 29, 1999
 RECORD AVAILABLE FROM OCT 24, 1985 TO AUG 29, 2000 55 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413800087285401

STATION NAME: USGS WELL D50 AT E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	7.03	DEC 01, 1995	7.25	JUL 15, 1998	6.63	JAN 06, 2000	7.31
JUN 10	5.98	MAR 26, 1996	7.30	SEP 09	6.65	MAR 29	7.23
SEP 09	7.06	JUL 11	6.98	DEC 16	7.30	JUN 28	6.79
NOV 07, 1994	6.94	DEC 12, 1997	7.33	MAR 03, 1999	6.93	AUG 29	6.82
JAN 17, 1995	6.96	MAR 24, 1998	6.72	SEP 01	6.61		

HIGHEST 5.98 JUN 10, 1993

LOWEST 7.33 DEC 12, 1997

PERIOD OF RECORD HIGHEST 5.98 JUN 10, 1993 LOWEST 7.46 SEP 08, 1992
RECORD AVAILABLE FROM DEC 13, 1985 TO AUG 29, 2000 47 MEASUREMENTS

SITE ID NUMBER: 413758087281401

STATION NAME: USGS WELL D-55 PHILLIPS PIPELINE WEST (RPD=24), E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08, 1992	4.99	JUN 11, 1993	3.63	NOV 09, 1994	4.10
MAR 17, 1993	4.71	SEP 09	4.23	JAN 24, 1995	4.52

HIGHEST 3.63 JUN 11, 1993

LOWEST 4.99 OCT 08, 1992

PERIOD OF RECORD HIGHEST 2.56 NOV 12, 1985 LOWEST 5.63 FEB 28, 1990, NOV 28, 1990
RECORD AVAILABLE FROM OCT 24, 1985 TO JAN 24, 1995 42 MEASUREMENTS

SITE ID NUMBER: 413758087281001

STATION NAME: USGS WELL D-60 PHILLIPS PIPELINE MIDDLE (RPD=96), E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 1993	4.73	SEP 09, 1993	3.99	JAN 24, 1995	4.12
JUN 11	3.30	NOV 09, 1994	4.60		

HIGHEST 3.30 JUN 11, 1993

LOWEST 4.73 MAR 17, 1993

PERIOD OF RECORD HIGHEST 3.29 NOV 27, 1985 LOWEST 6.37 OCT 12, 1988
RECORD AVAILABLE FROM OCT 29, 1985 TO JAN 24, 1995 39 MEASUREMENTS

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 1993-2000.—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

DATE	WATER LEVEL						
OCT 08, 1992	5.41	NOV 29, 1995	5.44	MAR 24, 1998	5.19	AUG 31, 1999	5.96
MAR 15, 1993	5.38	MAR 28, 1996	5.33	JUL 14	5.20	JAN 04, 2000	6.23
JUN 10	5.05	JUL 11	5.44	SEP 09	5.44	MAR 28	6.68
SEP 09	4.84	APR 02, 1997	5.29	DEC 15	5.42	JUN 27	5.70
NOV 09, 1994	5.10	JUN 27	4.76	MAR 02, 1999	5.26	AUG 29	6.19
JAN 19, 1995	5.24	DEC 12	5.22	JUN 30	5.44		

HIGHEST 4.76 JUN 27, 1997

LOWEST 6.68 MAR 28, 2000

PERIOD OF RECORD HIGHEST 4.76 JUN 27, 1997 LOWEST 6.68 MAR 28, 2000

RECORD AVAILABLE FROM JUL 15, 1987 TO AUG 29, 2000 42 MEASUREMENTS

SITE ID NUMBER: 413647087282502

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 18, 1993	3.06	MAR 26, 1996	4.46	MAR 24, 1998	2.01	AUG 31, 1999	6.04
JUN 10	1.71	JUL 10	3.70	JUL 14	4.64	JAN 04, 2000	5.71
SEP 09	1.90	APR 02, 1997	2.67	SEP 09	5.60	MAR 28	5.34
NOV 09, 1994	5.99	JUN 24	3.39	DEC 15	5.27	JUN 27	3.28
JAN 24, 1995	2.65	JUL 10	4.10	MAR 02, 1999	3.89	AUG 29	5.45
NOV 29	4.38	DEC 11	4.65	JUN 30	4.18		

HIGHEST 1.71 JUN 10, 1993

LOWEST 6.04 AUG 31, 1999

PERIOD OF RECORD HIGHEST 0.34 NOV 28, 1990 LOWEST 6.04 AUG 31, 1999

RECORD AVAILABLE FROM JUL 16, 1987 TO AUG 29, 2000 42 MEASUREMENTS

SITE ID NUMBER: 413647087282501

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 18, 1993	2.73	MAR 26, 1996	4.76	MAR 24, 1998	2.17	AUG 31, 1999	6.22
JUN 10	1.88	JUL 10	3.87	JUL 14	4.80	JAN 04, 2000	5.88
SEP 07	2.09	APR 02, 1997	2.84	SEP 09	5.79	MAR 28	5.50
NOV 09, 1994	4.15	JUN 24	3.57	DEC 15	5.43	JUN 27	3.46
JAN 24, 1995	2.82	JUL 10	4.27	MAR 02, 1999	6.06	AUG 29	5.61
NOV 29	4.57	DEC 11	4.83	JUN 30	4.36		

HIGHEST 1.88 JUN 10, 1993

LOWEST 6.22 AUG 31, 1999

PERIOD OF RECORD HIGHEST 0.58 NOV 28, 1990 LOWEST 6.22 AUG 31, 1999

RECORD AVAILABLE FROM JUL 16, 1987 TO AUG 29, 2000 42 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413515087291401

STATION NAME: USGS WELL D70 AT HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 18, 1993	2.93	DEC 01, 1995	3.82	MAR 02, 1999	4.48	JUN 27, 2000	3.44
JUN 10	1.93	MAR 29, 1996	3.97	JUN 30	4.23	AUG 29	5.04
SEP 10	3.17	JUL 12	4.13	AUG 31	4.69		
NOV 09, 1994	3.19	SEP 09, 1998	4.04	JAN 05, 2000	4.66		
JAN 24, 1995	2.86	DEC 15	DRY	MAR 28	4.40		

HIGHEST 1.93 JUN 10, 1993

LOWEST 5.04 AUG 29, 2000

PERIOD OF RECORD HIGHEST 1.10 NOV 28, 1990 LOWEST 5.04 AUG 29, 2000
RECORD AVAILABLE FROM JAN 07, 1986 TO AUG 29, 2000 48 MEASUREMENTS

SITE ID NUMBER: 413435087291901

STATION NAME: USGS WELL D-75 @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 18, 1993	4.24	DEC 01, 1995	4.55	JUL 10, 1997	4.70	AUG 31, 1999	4.88
JUN 10	3.40	MAR 29, 1996	4.79	SEP 09, 1998	4.19	JAN 04, 2000	4.95
SEP 10	4.02	JUL 12	4.70	DEC 16	4.74	MAR 28	4.81
NOV 09, 1994	4.03	MAR 31, 1997	4.40	MAR 02, 1999	4.58	JUN 27	3.87
JAN 24, 1995	4.12	JUN 24	4.34	JUN 30	4.50	AUG 29	4.76

HIGHEST 3.40 JUN 10, 1993

LOWEST 4.95 JAN 04, 2000

PERIOD OF RECORD HIGHEST 3.40 JUN 10, 1993 LOWEST 5.02 JUN 24, 1992
RECORD AVAILABLE FROM JAN 07, 1986 TO AUG 29, 2000 53 MEASUREMENTS

SITE ID NUMBER: 413844087310401

STATION NAME: USGS WELL E1 @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	2.56	MAR 29, 1996	2.95	MAR 24, 1998	2.43	AUG 31, 1999	3.22
JUN 10	2.25	JUN 06	2.25	JUL 16	3.05	JAN 04, 2000	3.00
SEP 07	2.87	JUL 18	1.08	SEP 09	3.21	MAR 30	3.09
NOV 07, 1994	2.95	MAR 31, 1997	2.76	DEC 17	3.48	JUN 28	2.17
JAN 17, 1995	2.29	JUN 24	2.88	MAR 04, 1999	2.74	AUG 30	3.13
DEC 01	2.80	DEC 09	3.55	JUN 30	2.70		

HIGHEST 1.08 JUL 18, 1996

LOWEST 3.55 DEC 09, 1997

PERIOD OF RECORD HIGHEST 1.08 JUL 18, 1996 LOWEST 3.97 OCT 12, 1988
RECORD AVAILABLE FROM DEC 13, 1985 TO AUG 30, 2000 57 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 414105087293900

STATION NAME: USGS WELL E2 @ WHIHALA BEACH PARK @ WHITING, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	4.23	DEC 01, 1995	4.70	DEC 12, 1997	3.35	SEP 01, 1999	5.35
JUN 07	3.99	MAR 29, 1996	5.10	MAR 24, 1998	3.51	JAN 06, 2000	6.20
SEP 07	3.46	JUN 06	3.69	DEC 17	5.35	MAR 30	6.16
NOV 07, 1994	3.56	JUL 11	4.04	MAR 04, 1999	4.82	JUN 28	4.90
JAN 17, 1995	4.56	JUN 25, 1997	3.30	JUN 30	5.07	AUG 30	5.90

HIGHEST 3.30 JUN 25, 1997

LOWEST 6.20 JAN 06, 2000

PERIOD OF RECORD HIGHEST 2.95 JUN 09, 1987 LOWEST 6.20 JAN 06, 2000
RECORD AVAILABLE FROM JUN 09, 1987 TO AUG 30, 2000 41 MEASUREMENTS

SITE ID NUMBER: 414013087303300

STATION NAME: USGS WELL E3 @ WOLF LAKE PARK @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 07, 1992	2.92	MAR 29, 1996	2.22	JUN 24, 1997	1.36	SEP 01, 1999	2.88
MAR 15, 1993	2.08	APR 05	2.44	DEC 09	2.20	JAN 04, 2000	2.26
JUN 07	.67	JUN 06	1.68	MAR 24, 1998	1.63	MAR 29	2.66
SEP 07	1.71	JUL 12	2.75	JUL 15	2.84	JUN 28	1.71
NOV 07, 1994	1.40	18	.59	SEP 09	2.63	AUG 30	2.85
JAN 17, 1995	1.47	AUG 02	1.70	MAR 04, 1999	2.17		
NOV 28	2.09	APR 01, 1997	1.98	JUN 29	2.42		

HIGHEST 0.59 JUL 18, 1996

LOWEST 2.92 OCT 07, 1992

PERIOD OF RECORD HIGHEST 0.59 JUL 18, 1996 LOWEST 3.40 JUL 05, 1988
RECORD AVAILABLE FROM JUN 22, 1987 TO AUG 30, 2000 48 MEASUREMENTS

SITE ID NUMBER: 413810087305201

STATION NAME: USGS WELL E5 AT HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 16, 1993	4.81	JUL 19, 1995	5.32	JUL 16, 1998	5.53	AUG 31, 1999	5.62
JUL 10	3.60	DEC 01	5.24	SEP 09	5.45	JAN 04, 2000	5.77
SEP 07	4.44	MAR 29, 1996	5.36	DEC 17	5.60	MAR 30	5.48
NOV 07, 1994	5.10	DEC 09, 1997	5.66	MAR 04, 1999	5.07	JUN 28	4.44
JAN 17, 1995	4.62	MAR 24, 1998	4.39	JUN 29	4.94	AUG 30	5.42

HIGHEST 3.60 JUL 10, 1993

LOWEST 5.77 JAN 04, 2000

PERIOD OF RECORD HIGHEST 3.60 JUL 10, 1993 LOWEST 5.95 SEP 25, 1986
RECORD AVAILABLE FROM AUG 28, 1985 TO AUG 30, 2000 54 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413938087304301

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	0.99	MAR 29, 1996	1.58	MAR 24, 1998	0.96	AUG 31, 1999	3.15
JUN 07	1.79	APR 05	1.83	JUL 15	2.85	JAN 04, 2000	2.09
SEP 07	2.49	JUN 06	.79	SEP 09	2.66	MAR 30	2.45
NOV 07, 1994	.63	JUL 18	.40	DEC 17	2.61	JUN 28	1.55
JAN 17, 1995	.70	MAR 31, 1997	1.55	MAR 04, 1999	2.11	AUG 30	1.86
NOV 28	1.09	DEC 09	1.99	JUN 30	2.39		

HIGHEST 0.40 JUL 18, 1996

LOWEST 3.15 AUG 31, 1999

PERIOD OF RECORD HIGHEST 0.40 JUL 18, 1996 LOWEST 3.15 AUG 31, 1999
RECORD AVAILABLE FROM JUN 22, 1987 TO AUG 30, 2000 45 MEASUREMENTS

SITE ID NUMBER: 413938087304302

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 15, 1993	0.88	MAR 29, 1996	1.41	DEC 09, 1997	1.78	JUN 30, 1999	1.70
JUN 07	1.42	APR 05	1.64	MAR 24, 1998	.88	AUG 31	2.45
SEP 07	.63	JUN 06	.65	JUL 15	2.14	JAN 04, 2000	1.31
NOV 07, 1994	.56	JUL 18	.23	SEP 09	1.89	MAR 30	1.73
JAN 17, 1995	.58	MAR 31, 1997	.53	DEC 17	1.80	JUN 28	.89
NOV 28	.71	JUN 24	1.73	MAR 04, 1999	1.33	AUG 30	1.81

HIGHEST 0.23 JUL 18, 1996

LOWEST 2.45 AUG 31, 1999

PERIOD OF RECORD HIGHEST 0.23 JUL 18, 1996 LOWEST 2.88 JUL 05, 1988
RECORD AVAILABLE FROM JUN 22, 1987 TO AUG 30, 2000 47 MEASUREMENTS

SITE ID NUMBER: 413722087304101

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 07, 1992	4.90	DEC 01, 1995	4.51	DEC 09, 1997	4.84	JUN 29, 1999	3.99
MAR 17, 1993	3.26	MAR 29, 1996	4.11	MAR 24, 1998	2.70	AUG 31	5.75
JUN 10	2.46	JUL 12	3.82	JUL 16	4.52	JAN 04, 2000	5.66
SEP 10	3.05	18	3.02	SEP 09	5.55	MAR 30	4.84
NOV 09, 1994	5.10	MAR 31, 1997	3.16	DEC 17	5.13	JUN 27	3.56
JAN 24, 1995	3.23	JUN 24	4.39	MAR 02, 1999	3.91	AUG 30	5.32

HIGHEST 2.46 JUN 10, 1993

LOWEST 5.75 AUG 31, 1999

PERIOD OF RECORD HIGHEST 2.46 JUN 10, 1993 LOWEST 5.75 AUG 31, 1999
RECORD AVAILABLE FROM OCT 17, 1985 TO AUG 30, 2000 61 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413720087304201

STATION NAME: USGS WELL E-15 SPOHN SCHOOL SOUTH (RPD=24), HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 07, 1992	6.37	NOV 09, 1994	3.28	JUL 16, 1998	3.26	AUG 31, 1999	4.40
DEC 07	5.87	JAN 24, 1995	2.18	SEP 09	4.05	JAN 04, 2000	4.22
MAR 17, 1993	2.28	APR 27	2.06	DEC 17	3.76	MAR 29	3.57
JUN 10	1.48	JUL 21	3.19	MAR 02, 1999	2.80	JUN 27	2.49
SEP 10	2.02	MAR 24, 1998	1.73	JUN 30	2.94	AUG 30	4.03

HIGHEST 1.48 JUN 10, 1993

LOWEST 6.37 OCT 07, 1992

PERIOD OF RECORD HIGHEST 1.48 JUN 10, 1993 LOWEST 6.50 OCT 18, 1991
RECORD AVAILABLE FROM OCT 30, 1985 TO AUG 30, 2000 51 MEASUREMENTS

SITE ID NUMBER: 413627087310500

STATION NAME: USGS WELL E20 @ EGGERS SCHOOL @ HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	2.50	DEC 01, 1995	3.67	JUL 16, 1998	4.23	AUG 31, 1999	4.66
JUN 10	2.17	MAR 29, 1996	3.51	SEP 09	4.10	JAN 04, 2000	4.14
SEP 10	2.79	MAR 31, 1997	3.18	DEC 17	3.89	MAR 28	3.99
NOV 09, 1994	3.17	DEC 12	3.92	MAR 02, 1999	2.94	JUN 27	2.43
JAN 24, 1995	2.65	MAR 24, 1998	2.29	JUN 29	3.51		

HIGHEST 2.17 JUN 10, 1993

LOWEST 4.66 AUG 31, 1999

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 JUN 27, 2000 55 MEASUREMENTS

SITE ID NUMBER: 413706087171901

STATION NAME: USX WELL HWD2-19D, GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 18, 1995	13.64	DEC 16, 1998	14.16	SEP 01, 1999	14.04
JUL 10, 1996	13.26	MAR 03, 1999	13.96	JUN 29, 2000	13.33
SEP 10, 1998	13.71	JUL 01	13.62	AUG 30	14.04

HIGHEST 13.26 JUL 10, 1996

LOWEST 14.16 DEC 16, 1998

PERIOD OF RECORD HIGHEST 13.26 JUL 10, 1996 LOWEST 14.16 DEC 16, 1998
RECORD AVAILABLE FROM JUL 18, 1995 TO AUG 30, 2000 9 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413706087171902

STATION NAME: USX WELL HWD-2-19 SHALLOW, AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 18, 1995	13.41	SEP 10, 1998	13.49	JUL 01, 1999	13.48	AUG 30, 2000	13.91
JUL 10, 1996	13.10	DEC 16	14.01	SEP 01	13.89		
MAR 24, 1998	13.04	MAR 03, 1999	13.82	JUN 29, 2000	13.17		

HIGHEST 13.04 MAR 24, 1998

LOWEST 14.01 DEC 16, 1998

PERIOD OF RECORD HIGHEST 13.04 MAR 24, 1998 LOWEST 14.01 DEC 16, 1998
RECORD AVAILABLE FROM JUL 18, 1995 TO AUG 30, 2000 10 MEASUREMENTS

SITE ID NUMBER: 413703087171501

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 10, 1996	30.16	DEC 16, 1998	31.24	SEP 01, 1999	30.89	JUN 29, 2000	30.75
SEP 08, 1998	30.62	JUL 01, 1999	29.93	JAN 05, 2000	31.68	AUG 30	30.86

HIGHEST 29.93 JUL 01, 1999

LOWEST 31.68 JAN 05, 2000

PERIOD OF RECORD HIGHEST 29.93 JUL 01, 1999 LOWEST 31.68 JAN 05, 2000
RECORD AVAILABLE FROM JUL 10, 1996 TO AUG 30, 2000 8 MEASUREMENTS

SITE ID NUMBER: 413703087171502

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
JUL 10, 1996	30.34	DEC 16, 1998	31.41	SEP 01, 1999	32.06	JUN 29, 2000	30.93
SEP 10, 1998	30.80	JUL 01, 1999	30.10	JAN 05, 2000	31.88	AUG 30	31.02

HIGHEST 30.10 JUL 01, 1999

LOWEST 32.06 SEP 01, 1999

PERIOD OF RECORD HIGHEST 30.10 JUL 01, 1999 LOWEST 32.06 SEP 01, 1999
RECORD AVAILABLE FROM JUL 10, 1996 TO AUG 30, 2000 8 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413752087223501

STATION NAME: USX WELL HWT2-9 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
DEC 08, 1992	27.99	JAN 18, 1995	27.68	SEP 10, 1998	27.15	MAR 29, 2000	29.94
MAR 16, 1993	27.99	NOV 30	28.17	DEC 16	28.79	JUN 29	28.78
JUN 08	26.93	MAR 27, 1996	28.59	MAR 03, 1999	28.62	AUG 30	29.31
SEP 08	26.58	JUL 10	27.32	JUL 01	28.64		
NOV 08, 1994	27.41	MAR 24, 1998	26.81	JAN 05, 2000	29.78		

HIGHEST 26.58 SEP 08, 1993

LOWEST 29.94 MAR 29, 2000

PERIOD OF RECORD HIGHEST 25.68 JUL 24, 1986 LOWEST 29.94 MAR 29, 2000

RECORD AVAILABLE FROM DEC 10, 1985 TO AUG 30, 2000 47 MEASUREMENTS

SITE ID NUMBER: 413732087232201

STATION NAME: USX WELL HWT2-10 AT GARY, IN.

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 08, 1992	2.18	SEP 08, 1993	0.49	MAR 27, 1996	2.93
MAR 16, 1993	1.17	NOV 08, 1994	1.93	JUL 17	2.19
JUN 08	+0.24	JAN 18, 1995	1.70	DEC 11, 1997	.19

HIGHEST +0.24 JUN 08, 1993

LOWEST 2.93 MAR 27, 1996

PERIOD OF RECORD HIGHEST +0.24 JUN 08, 1993 LOWEST 3.34 OCT 13, 1988

RECORD AVAILABLE FROM DEC 10, 1985 TO DEC 11, 1997 37 MEASUREMENTS

SITE ID NUMBER: 413738087224803

STATION NAME: USX WELL HWT-2-12D, AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
DEC 08, 1992	16.10	SEP 08, 1993	15.46	APR 25, 1995	16.61	DEC 16, 1998	17.63
MAR 16, 1993	16.41	NOV 08, 1994	16.25	JUL 18	16.89		
JUN 08	15.92	JAN 18, 1995	16.55	SEP 10, 1998	17.26		

HIGHEST 15.46 SEP 08, 1993

LOWEST 17.63 DEC 16, 1998

PERIOD OF RECORD HIGHEST 15.46 SEP 08, 1993 LOWEST 17.63 DEC 16, 1998

RECORD AVAILABLE FROM DEC 08, 1992 TO DEC 16, 1998 10 MEASUREMENTS

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 1993-2000.—Continued

SITE ID NUMBER: 413738087224801

STATION NAME: USX WELL HWT2-12S, AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 06, 1992	15.96	JUN 08, 1993	15.88	JAN 18, 1995	16.55	DEC 16, 1998	17.63
DEC 08	16.24	SEP 08	15.49	MAR 27, 1996	17.84		
MAR 16, 1993	16.35	NOV 08, 1994	16.28	SEP 10, 1998	17.22		

HIGHEST 15.49 SEP 08, 1993

LOWEST 17.84 MAR 27, 1996

PERIOD OF RECORD HIGHEST 15.49 SEP 08, 1993 LOWEST 17.84 MAR 27, 1996

RECORD AVAILABLE FROM JUN 23, 1992 TO DEC 16, 1998 11 MEASUREMENTS

SITE ID NUMBER: 413722087225501

STATION NAME: USX WELL HWT14-5 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
DEC 08, 1992	4.72	JUN 08, 1993	3.22	NOV 08, 1994	4.38	MAR 27, 1996	5.04
MAR 16, 1993	4.52	SEP 08	3.90	JAN 18, 1995	4.35	JUL 09	5.00

HIGHEST 3.22 JUN 08, 1993

LOWEST 5.04 MAR 27, 1996

PERIOD OF RECORD HIGHEST 3.01 FEB 27, 1990 LOWEST 5.33 OCT 13, 1988

RECORD AVAILABLE FROM DEC 10, 1985 TO JUL 09, 1996 36 MEASUREMENTS

SITE ID NUMBER: 413744087223901

STATION NAME: USX WELL P-4 AT GARY, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
DEC 08, 1992	20.24	NOV 08, 1994	19.00	MAR 24, 1998	19.19	SEP 01, 1999	21.59
MAR 16, 1993	19.80	JAN 18, 1995	18.84	DEC 16	21.57	MAR 29, 2000	22.59
JUN 08	18.39	MAR 27, 1996	21.72	MAR 03, 1999	21.54	JUN 28	20.09
SEP 08	18.73	JUL 10	20.21	JUL 01	21.19	AUG 30	21.86

HIGHEST 18.39 JUN 08, 1993

LOWEST 22.59 MAR 29, 2000

PERIOD OF RECORD HIGHEST 18.39 JUN 08, 1993 LOWEST 22.59 MAR 29, 2000

RECORD AVAILABLE FROM DEC 10, 1985 TO AUG 30, 2000 45 MEASUREMENTS

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 1993-2000.

SITE ID NUMBER: 414144087304101

STATION NAME: USEPA WELL MW-1 AT HAMMOND, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
MAR 17, 1993	7.89	JAN 17, 1995	7.35	APR 01, 1997	10.74	JAN 06, 2000	13.91
JUN 07	6.62	APR 24	8.55	JUN 24	10.32	JUN 28	12.55
SEP 07	6.41	JUL 17	8.23	DEC 09	10.40	AUG 30	13.05
NOV 07, 1994	7.23	NOV 28	8.11	SEP 01, 1999	13.46		

HIGHEST 6.41 SEP 07, 1993

LOWEST 13.91 JAN 06, 2000

PERIOD OF RECORD HIGHEST 6.41 SEP 07, 1993 LOWEST 13.91 JAN 06, 2000
RECORD AVAILABLE FROM MAR 17, 1993 TO AUG 30, 2000 15 MEASUREMENTS

SITE ID NUMBER: 414033087245501

STATION NAME: ISPAT INLAND STEEL WELL MW-1G, EAST CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 07, 1992	10.05	JUN 29, 1999	7.08	JAN 05, 2000	8.60	AUG 31, 2000	8.57
DEC 16, 1998	5.80	AUG 31	6.50	MAR 28	8.05		
MAR 03, 1999	6.40	SEP 01	6.50	JUN 27	7.79		

HIGHEST 5.80 DEC 16, 1998

LOWEST 10.05 OCT 07, 1992

PERIOD OF RECORD HIGHEST 5.80 DEC 16, 1998 LOWEST 10.05 OCT 07, 1992
RECORD AVAILABLE FROM OCT 07, 1992 TO AUG 31, 2000 10 MEASUREMENTS

SITE ID NUMBER: 414033087245502

STATION NAME: ISPAT INLAND STEEL WELL MW-2, AT E. CHICAGO, IN.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL						
OCT 07, 1992	9.80	JUN 30, 1999	10.09	JAN 05, 2000	13.60	AUG 31, 2000	DRY
DEC 16, 1998	9.63	AUG 30	10.84	MAR 28	12.81		
MAR 03, 1999	9.16	SEP 01	10.76	JUN 27	13.17		

HIGHEST 9.16 MAR 03, 1999

LOWEST 13.60 JAN 05, 2000

PERIOD OF RECORD HIGHEST 9.16 MAR 03, 1999 LOWEST 13.60 JAN 05, 2000
RECORD AVAILABLE FROM OCT 07, 1992 TO AUG 31, 2000 10 MEASUREMENTS

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.

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-9	Lake (unnamed)	41°38'14"/87°25'40"	413814087254001	North shore near Buffington Harbor, Gary, Ind.
S-10	Grand Calumet River	41°36'40"/87°25'13"	413640087251301	Confluence with drainage ditch, Gary, Ind.
S-11	Ditch	41°36'08"/87°25'34"	413608087253401	Ditch along US 20, east of Cline Avenue, Gary, Ind.
S-13	Grand Calumet River	41°36'32"/87°22'18"	413632087221900	At Bridge Street bridge, Gary, Ind.
S-14	Lake Michigan	41°36'32"/87°19'24"	413632087192401	Gary Harbor, Ind., southern end of turning basin, USX Corp., Gary, Ind.
S-15	West Grand Calumet Lagoon	41°36'45"/87°17'26"	413645087172601	West Grand Calumet Lagoon, south side, USX Corp., Gary, Ind.
A-11S	Grand Calumet River	41°36'26"/87°19'18"	413627087192201	At Tennessee Street, USX Corp. Gary, Ind.
C-16S	Grand Calumet River	41°36'47"/87°26'20"	413648087283502	E.I. du Pont de Nemours and Co., East Chicago, Ind.
D-36S	Indiana Harbor Canal	41°39'05"/87°27'56"	413756087290602	At Indiana Road 912, East Chicago, Ind.
D-54S	Indiana Harbor Canal	41°37'59"/87°28'15"	413759087281502	At Phillips Petroleum, East Chicago, 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 depth to surface water (surface-water stage) in the Northern Lake County network, water years 1993-2000.

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

Site name	USGS site identifier	Date	Time	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above LSD) ¹	Remarks
S-1	414016087303701	OCT 7, 1992	--	1.60	854.55	
		DEC 7, 1992	--	1.42	854.55	DEPTH TO ICE
		MAR 15, 1993	1110	1.40	854.55	DEPTH TO ICE
		MAR 15, 1994	1110	1.46	854.55	DEPTH TO WATER
		JUN 7, 1994	1503	0.93	854.55	
		SEP 7, 1994	1313	1.41	854.55	WAVE ACTION, DEPTH IS +/- 0.05 FT
		NOV 7, 1994	1406	0.99	854.55	
		JAN 17, 1995	1226	0.96	854.55	
		APR 24, 1995	1240	1.20	854.55	
		JUL 17, 1995	--	1.56	854.55	WAVE ACTION, DEPTH IS +/- 0.3 FT
		NOV 28, 1995	--	1.23	854.55	
		MAR 29, 1996	--	1.36	854.55	
		APR 5, 1996	--	1.44	854.55	
		JUN 6, 1996	--	1.15	854.55	
		JUL 18, 1996	--	1.10	854.55	
		AUG 2, 1996	--	1.13	854.55	
		APR 1, 1997	--	1.02	854.55	
		JUN 24, 1997	--	0.95	854.55	WAVE ACTION, DEPTH IS +/- 0.1 FT
		DEC 9, 1997	--	0.81	854.55	
		MAR 24, 1998	--	0.84	854.55	
		JUL 15, 1998	--	0.70	854.55	
		SEP 9, 1998	--	1.47	854.55	
		DEC 17, 1998	--	1.39	854.55	
MAR 4, 1999	--	1.70	854.55			
JUN 29, 1999	--	1.66	854.55			
SEP 1, 1999	--	1.68	854.55			
JAN 4, 2000	--	1.70	854.55			
MAR 29, 2000	--	1.65	854.55			
AUG 30, 2000	--	1.58	854.55			
S-2	414006087302301	DEC 7, 1992	--	2.67	584.24	
		MAR 15, 1993	1151	2.10	584.24	DEPTH TO ICE
		MAR 15, 1993	1151	2.17	584.24	DEPTH TO WATER
		JUN 7, 1993	1524	2.34	584.24	
		SEP 7, 1993	1328	2.11	584.24	
		NOV 7, 1994	1415	3.10	584.24	
		JAN 17, 1995	1302	3.37	584.24	
		APR 24, 1995	1250	2.41	584.24	
		JUL 17, 1995	--	3.10	584.24	DEPTH IS +/- 0.05 FT, CHOPPY WATER SURFACE
		NOV 28, 1995	--	3.68	584.24	
MAR 29, 1996	--	3.32	584.24			
APR 5, 1996	--	3.58	585.46			

MISCELLANEOUS PROJECT DATA

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

Table 5. Reference point altitude and miscellaneous measurements of depth to surface water (surface-water stage) in the Northern Lake County network, water years 1993-2000.-Continued

Site name	USGS site identifier	Date	Time	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above LSD) ¹	Remarks
S-2	414006087302301	JUN 6, 1996	--	2.30	585.46	DEPTH IS +/- 0.2 FT CHOPPY WATER SURFACE
		JUN 14, 1996	--	2.71	585.46	
		JUL 17, 1996	--	3.07	585.46	DEPTH IS +/- 0.1 FT CHOPPY WATER SURFACE
		JUL 18, 1996	--	2.51	585.46	
		AUG 2, 1996	--	2.27	585.46	DEPTH IS +/- 0.1 FT CHOPPY WATER SURFACE
		AUG 13, 1996	--	2.36	585.46	
		AUG 15, 1996	--	2.06	585.46	DEPTH IS +/- 0.1 FT CHOPPY WATER SURFACE
		APR 1, 1997	--	2.40	585.46	
		JUN 24, 1997	--	2.99	585.46	
		DEC 9, 1997	--	3.56	585.46	
		JUL 14, 1998	--	3.26	585.46	
		SEP 9, 1998	--	3.72	585.46	
		SEP 1, 1999	--	3.72	585.46	
		MAR 29, 2000	--	3.87	585.46	
		AUG 30, 2000	--	0.95	581.41	
		SEP 6, 2000	--	0.80	581.41	
S-8	413808087270501	MAR 15, 1993	1351	1.58	581.56	
		JUN 11, 1993	842	1.71	581.56	
		SEP 9, 1993	1134	1.61	581.56	
		NOV 9, 1994	1456	1.51	581.56	
		JAN 24, 1995	1505	1.50	581.56	
		APR 27, 1995	953	1.58	581.56	
		JUL 20, 1995	--	1.65	581.56	
		MAR 26, 1996	--	1.71	581.56	
		APR 2, 1997	--	1.57	581.56	
		JUN 26, 1997	--	1.58	581.56	
		DEC 12, 1997	--	1.08	581.56	
		SEP 8, 1998	--	1.62	581.56	
		DEC 16, 1998	--	1.61	581.56	
		MAR 2, 1999	--	1.53	581.56	
		JUN 29, 1999	--	1.51	581.56	
		SEP 1, 1999	--	1.72	581.56	
JAN 6, 2000	--	1.42	581.56			
MAR 29, 2000	--	1.48	581.56			
AUG 29, 2000	--	1.50	581.56			
S-9	413814087254001	OCT 7, 1992	--	1.07	586.14	
		DEC 10, 1992	--	0.76	586.14	
		MAR 17, 1993	1339	0.27	586.14	DEPTH TO ICE
		MAR 17, 1993	1339	0.78	586.14	DEPTH TO WATER
		JUN 11, 1993	737	0.92	586.14	MEASURING POINT IS LEANING
		SEP 9, 1993	1105	0.78	586.14	DEPTH IS +/- 0.10 FT, WAVE ACTION ON SURFACE

MISCELLANEOUS PROJECT DATA

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

Table 5. Reference point altitude and miscellaneous measurements of depth to surface water (surface-water stage) in the Northern Lake County network, water years 1993-2000.-Continued

Site name	USGS site identifier	Date	Time	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above LSD) ¹	Remarks
S-9	413814087254001	SEP 17, 1993	1339	0.78	586.14	DEPTH TO WATER
		NOV 9, 1994	1022	2.53	586.14	
		JAN 19, 1995	1324	1.58	586.14	DEPTH IS +/- 0.02 FT, WAVE ACTION ON SURFACE
		APR 26, 1995	1405	2.20	586.14	
		JUL 20, 1995	1030	2.42	586.65	
		NOV 29, 1995	--	3.44	586.14	
S-10	413640087251301	DEC 9, 1992	--	3.64	585.04	
		MAR 17, 1993	850	3.42	585.04	
		JUN 9, 1993	1257	2.36	585.04	
		SEP 9, 1993	750	3.15	585.04	
		NOV 9, 1994	820	3.27	585.04	
		JAN 19, 1995	1003	3.33	585.04	
		APR 26, 1995	905	3.77	585.04	
		JUL 20, 1995	1145	2.77	585.04	
		NOV 28, 1995	--	3.51	585.04	
		MAR 26, 1996	--	3.65	585.04	
		APR 3, 1997	--	2.82	585.00	
		JUN 26, 1997	--	2.10	585.00	
		DEC 11, 1997	--	2.83	585.00	
		MAR 24, 1998	--	2.91	585.00	
		JUL 14, 1998	--	2.90	585.00	
		SEP 18, 1998	--	2.84	585.00	
		DEC 15, 1998	--	3.01	585.00	
		MAR 2, 1999	--	2.93	585.00	
JUN 29, 1999	--	3.40	585.00			
SEP 1, 1999	--	3.61	585.00			
JAN 4, 2000	--	3.55	585.00			
MAR 28, 2000	--	3.05	585.00			
AUG 29, 2000	--	3.46	585.00			
S-11	413608087253401	DEC 10, 1992	--	0.94	590.34	
		MAR 18, 1993	810	0.99	590.34	
		JUN 10, 1993	704	0.81	590.34	
		SEP 9, 1993	1213	0.49	590.34	
		NOV 10, 1994	1632	0.47	590.34	
		JAN 19, 1995	1633	0.42	590.34	
		APR 26, 1995	929	0.58	590.34	
JUL 20, 1995	1400	0.49	590.34			
S-13	413632087221900	DEC 8, 1992	--	17.93	600.02	
		MAR 16, 1993	748	17.88	600.02	
		JUN 9, 1993	645	21.95	600.02	
		SEP 8, 1993	1249	17.12	600.02	
		NOV 8, 1993	1557	17.54	600.02	
		JAN 18, 1995	1000	17.92	600.02	
APR 26, 1995	746	17.41	600.02			
JUL 18, 1995	1422	16.78	600.02			

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Table 5. Reference point altitude and miscellaneous measurements of depth to surface water (surface-water stage) in the Northern Lake County network, water years 1993-2000.-Continued

Site name	USGS site identifier	Date	Time	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above LSD) ¹	Remarks
S-13	413632087221900	NOV 28, 1995	--	17.76	600.02	
		MAR 27, 1996	--	18.06	600.02	
		APR 3, 1997	--	16.61	600.02	
		JUN 23, 1997	--	17.58	600.02	
		DEC 11, 1997	--	17.51	600.02	
		MAR 24, 1998	--	17.66	600.02	
		JUL 13, 1998	--	17.38	600.02	
		SEP 8, 1998	--	17.84	600.02	
		DEC 14, 1998	--	17.77	600.02	
		MAR 2, 1999	--	17.71	600.02	
		JUN 28, 1999	--	17.54	600.02	
		AUG 30, 1999	--	17.62	600.02	
		JAN 4, 2000	--	18.00	600.02	
		MAR 27, 2000	--	17.77	600.02	
AUG 28, 2000	--	17.78	600.02			
S-14	413632087192401	DEC 8, 1992	--	9.19	589.16	
		MAR 16, 1993	940	10.12	589.16	
		JUN 8, 1993	948	13.66	589.16	
		SEP 8, 1993	944	7.97	589.16	
		NOV 8, 1994	1035	15.94	589.16	
		JAN 18, 1995	1408	9.55	589.16	
		APR 26, 1995	1108	9.14	589.16	
		JUL 18, 1995	--	8.96	589.16	
		NOV 30, 1995	--	9.63	589.16	
		MAR 24, 1998	--	8.21	589.16	
		SEP 9, 1998	--	8.67	589.16	
S-15	413645087172601	DEC 8, 1992	--	0.25	588.15	
		MAR 16, 1993	856	0.52	588.15	
		JUN 8, 1993	850	0.15	588.15	
		SEP 8, 1993	849	0.22	588.15	
		NOV 8, 1994	955	0.44	588.15	
		APR 25, 1995	--	0.80	588.15	
		JUL 18, 1995	--	0.66	588.15	
		NOV 30, 1995	--	0.46	588.15	
		MAR 24, 1998	--	0.10	588.15	
A-11S	413627087192201	DEC 8, 1992	--	4.62	589.99	
		MAR 16, 1993	923	4.53	589.99	
		JUN 8, 1993	910	3.88	589.99	
		SEP 8, 1993	923	4.27	589.99	
		NOV 8, 1994	1016	4.55	589.99	
		JAN 18, 1995	1434	4.61	589.99	
		APR 25, 1995	1121	4.57	589.99	
		JUL 18, 1995	--	4.44	589.99	
		JUL 19, 1995	--	4.44	589.99	
		NOV 30, 1995	--	4.61	589.99	
		MAR 24, 1998	--	4.53	589.99	

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

Table 5. Reference point altitude and miscellaneous measurements of depth to surface water (surface-water stage) in the Northern Lake County network, water years 1993-2000.-Continued

Site name	USGS site identifier	Date	Time	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above LSD) ¹	Remarks
A-11S	413627087192201	SEP 9, 1998	--	4.24	589.99	
		JUN 30, 1999	--	3.04	589.99	
C-16S	413648087283502	DEC 10, 1992	--	3.75	585.52	MEASURING POINT IN SHELTER
		MAR 18, 1993	837	3.27	585.52	MEASURING POINT IN SHELTER, DEPTH TO TOP OF ICE
		JUN 10, 1993	733	3.37	585.52	MEASURING POINT IN SHELTER
		SEP 9, 1993	1309	3.44	585.52	MEASURING POINT IN SHELTER
		NOV 9, 1994	1056	3.38	585.52	MEASURING POINT IN SHELTER
		JAN 19, 1995	1427	4.20	585.52	MEASURING POINT IN SHELTER
D-36S	413756087290602	MAR 9, 1993	1408	0.10	581.22	DEPTH IS +/- 0.05 FT, WAVE ACTION ON SURFACE
		MAR 17, 1993	955	1.00	581.22	
		SEP 9, 1993	905	1.55	581.22	
		NOV 7, 1993	1551	1.28	581.22	
		JAN 17, 1995	1504	1.22	581.22	
		APR 24, 1995	1449	1.02	581.22	
		JUL 19, 1995	1430	0.66	581.22	
		NOV 30, 1995	--	1.83	586.03	
		APR 1, 1997	--	4.70	586.03	
		DEC 17, 1998	--	>1.60	581.22	DRY
		JUN 30, 1999	--	>1.60	581.22	DRY
		JAN 4, 2000	--	>1.60	581.22	DRY
D-54S	413759087281502	DEC 9, 1992	--	1.97	581.85	
		MAR 17, 1993	1405	1.42	581.85	
		JUN 11, 1993	805	0.41	581.85	
		SEP 9, 1993	1006	1.73	581.85	
		NOV 9, 1994	1318	0.94	581.85	
		JAN 24, 1995	1414	1.59	581.85	
		JUL 21, 1995	1024	1.30	581.85	
E-16S	413719087304302	DEC 9, 1992	--	4.80	584.69	
		MAR 17, 1993	1139	4.63	584.69	
		JUN 10, 1993	1027	3.30	584.69	
		SEP 10, 1993	720	4.34	584.69	
		NOV 9, 1994	1332	3.94	584.69	
		JAN 24, 1995	1636	4.63	584.69	
APR 27, 1995	825	4.04	584.69			

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

Table 5. Reference point altitude and miscellaneous measurements of depth to surface water (surface-water stage) in the Northern Lake County network, water years 1993-2000.—Continued

Site name	USGS site identifier	Date	Time	Depth to water surface below measuring point (ft)	Altitude of measuring point (ft above LSD) ¹	Remarks
E-16S	413719087304302	JUL 20, 1995	925	8.49	588.82	
		JUL 21, 1995	925	4.36	584.69	
		DEC 1, 1995	--	8.78	588.82	
		JUL 18, 1996	--	4.92	588.82	HEAVY RAIN OF 3.0 TO 6.0 INCHES ON PRECEDING DAY
		DEC 9, 1997	--	7.21	588.82	
		MAR 24, 1998	--	4.19	584.69	
		JUL 15, 1998	--	4.17	584.69	
		SEP 9, 1998	--	4.06	584.69	
		DEC 17, 1998	--	>8.80	588.82	OUT OF WATER
		MAR 2, 1999	--	6.62	588.82	
		JUN 29, 1999	--	6.71	588.82	
		AUG 30, 1999	--	6.94	588.82	
		JAN 4, 2000	--	6.87	588.82	
		MAR 30, 2000	--	6.66	588.82	
		AUG 30, 2000	--	6.94	588.82	

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