

Base from U.S. Geological Survey digital data, 1:2,000,000, 1996 Albers Equal-Area Conic projection Standard parallels 29°30' and 45°30' central meridian -96°

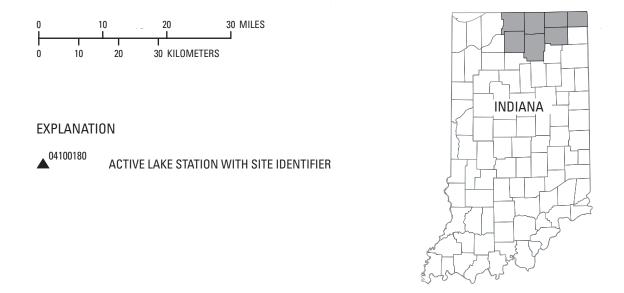


Figure 8.--Locations of lakes having water-level records for water year 2003.

03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN

LOCATION.--Lat $41^{\circ}16^{\circ}53^{\circ}$, long $85^{\circ}46^{\circ}47^{\circ}$, in $NW^{1}/_{4}SE^{1}/_{4}SW^{1}/_{4}$ sec. 25, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the southeastern shore of the lake, at the public access site, 4.9 mi northeast of Warsaw.

SURFACE AREA.--581 acres.

DRAINAGE AREA.--4.17 mi².

PERIOD OF RECORD .-- 1945-71, 1976 to October 2002, August 2003 to September 30, 2003.

REVISED RECORDS .-- WDR IN-03-1: 1990 - 2002.

DATUM OF GAGE.--820.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--7.75 ft gage datum or 827.75 ft above National Geodetic Vertical Datum of 1929 as established on October 18, 1949, by the Kosciusko County Circuit Court. Little Chapman Lake has the same control structure and established level and hence the same lake levels for the period of record

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest at the outlet channel downstream from Little Chapman Lake

INLET AND OUTLET.--Several small ditches enter the lake at various points. The outlet flows into Little Chapman Lake to the south, then into Deeds Creek, and eventually into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.37 ft Oct. 11, 1954; minimum stage, 6.75 ft Oct. 20, 1953.

REVISIONS.--Lake levels previously published from December 1990 to October 2002 were found to be in error by -0.38 feet. Extremes for period of record were not affected.

LAKE LEVEL, FEET WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.35	7.46	7.65	7.67	7.76	7.82	7.73	7.55	7.49	7.55	7.50	7.50
10	7.33	7.49	7.63	7.67	7.73	7.91	7.78	7.51	7.57	7.44	7.41	7.63
15	7.32	7.74	7.64	7.65	7.79	7.87	7.77	7.71	7.51	7.49	7.56	7.67
20	7.44	7.73	7.60	7.77	7.76	7.75	7.81	7.86	7.45	7.59	7.82	7.59
EOM	7.44	7.68	7.58	7.78	8.13	7.70	7.68	7.70	7.49	7.70	7.75	7.55
	7.47	7.67	7.60	7.69	7.99	7.73	7.55	7.55	7.58	7.50	7.61	7.54
MEAN	7.38	7.60	7.61	7.70	7.85	7.80	7.72	7.65	7.52	7.56	7.61	7.58
MAX	7.47	7.77	7.67	7.78	8.29	7.96	7.82	8.01	7.60	7.79	7.89	7.69
MIN	7.32	7.45	7.51	7.59	7.70	7.65	7.55	7.49	7.43	7.44	7.41	7.49
MUTD M	D 1000	MEAN 7.62	34437 0 20	. MINT 7	22							

WTR YR 1990 MEAN 7.63 MAX 8.29 MIN 7.32

LAKE LEVEL, FEET WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.59	7.86	7.90	8.34	8.00	8.11	8.03	8.02	7.99	7.76	7.48	7.49
10	8.19	7.80	7.84	8.16	8.03	8.07	7.99	7.93	7.88	7.71	7.55	7.45
15	7.96	7.75	7.85	8.17	8.03	8.06	8.05	7.90	7.91	7.66	7.51	7.51
20	7.74	7.71	7.85	8.20	8.05	8.09	8.19	7.84	7.82	7.61	7.63	7.43
25	7.61	7.71	7.89	8.06	8.04	8.07	8.15	7.99	7.75	7.56	7.59	7.42
EOM	7.55	7.82	8.70	7.97	8.03	8.05	8.03	8.18	7.81	7.49	7.55	7.36
MEAN	7.74	7.74	7.95	8.20	8.02	8.10	8.06	7.94	7.88	7.65	7.54	7.45
MAX	8.19	7.86	8.83	8.63	8.06	8.16	8.21	8.18	8.18	7.81	7.64	7.52
MIN	7.52	7.55	7.78	7.97	7.95	8.05	7.91	7.84	7.72	7.49	7.46	7.36
WTD VD	1001	MEAN 796	MAV 0 07	MIN 7	25							

WTR YR 1991 MEAN 7.86 MAX 8.87 MIN 7.35

LAKE LEVEL, FEET WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.56	7.86	8.00	7.96	7.93	8.04	8.23	7.95	8.00	7.89	7.77	7.79
10	7.51	7.84	7.96	7.96	7.91	8.18	8.20	7.93	8.04	7.83	7.76	8.06
15	7.57	7.88	8.01	7.99	7.97	8.18	8.13	7.88	7.99	7.99	7.73	7.92
20	7.59	8.11	7.96	7.92	8.01	8.25	8.10	7.90	8.04	8.03	7.71	7.94
25	7.77	8.00	7.95	7.96	8.04	8.28	8.05	7.89	8.02	7.88	7.68	7.99
EOM	7.93	8.01	7.94	7.94	8.03	8.29	8.00	7.98	7.99	7.87	7.76	8.03
MEAN	7.61	7.93	7.98	7.95	7.97	8.19	8.14	7.92	8.02	7.92	7.75	7.94
MAX	7.95	8.11	8.05	7.99	8.04	8.30	8.28	7.99	8.07	8.10	7.85	8.06
MIN	7.35	7.84	7.94	7.91	7.90	8.03	8.00	7.87	7.97	7.79	7.68	7.75

WTR YR 1992 MEAN 7.94 MAX 8.34 MIN 7.35

WABASH RIVER BASIN

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LAKE LEVEL, FEET WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN—Continued

						ERVATION .		OURS				
DAY 5 10 15 20 25 EOM MEAN MAX MIN WTR YR	OCT 8.00 8.01 7.96 7.96 7.97 7.95 7.98 8.03 7.93	NOV 8.27 8.32 8.58 8.25 8.22 8.07 8.31 8.61 8.07 MEAN 8.05	DEC 7.98 7.96 7.95 7.95 7.90 8.20 7.96 8.20 7.88 MAX 8.61	JAN 8.55 8.23 8.10 7.98 8.13 7.99 8.17 8.60 7.98 MIN 7.	FEB 7.93 7.91 7.94 7.91 7.92 7.89 7.93 7.98 7.98 7.789	MAR 7.94 8.06 8.05 8.11 8.27 8.19 8.09 8.27 7.88	APR 8.14 8.16 8.17 8.22 8.35 8.17 8.19 8.35 8.11	MAY 8.07 7.95 7.84 7.79 7.88 7.98 7.92 8.11 7.79	JUN 8.01 8.22 8.12 8.09 7.96 8.17 8.07 8.26 7.93	JUL 8.07 	AUG 7.75	SEP 7.88 7.86 7.94 7.91 7.99 8.02 7.92 8.04 7.75
					YEAR OCT	KE LEVEL, OBER 1993 ERVATION	TO SEPTE	MBER 1994 OURS				
DAY 5 10 15 20 25 EOM MEAN MAX MIN WTR YR	OCT 8.00 8.09 8.07 8.40 8.14 7.92 8.12 8.40 7.92 1994	NOV 7.87 7.83 7.95 8.00 8.03 8.06 7.94 8.07 7.83 MEAN 7.89	DEC 8.16 8.01 7.90 7.92 7.88 7.85 7.96 8.16 7.85 MAX 8.44	JAN 7.86 7.86 7.84 7.84 7.81 8.02 7.87 8.02 7.87 MIN 7	FEB 8.02 8.02 8.02 7.95 7.97 7.97 8.00 8.02 7.95	MAR 7.97 8.08 7.97 7.89 7.89 7.91 7.96 8.08 7.89	APR 7.96 8.04 8.28 8.00 7.87 7.99 8.03 8.43 7.87	MAY 7.89 7.85 7.81 7.76 7.76 7.73 7.81 7.95 7.73	JUN 7.67 7.66 7.98 7.84 7.99	JUL 7.90 7.87 7.78 7.75 7.76 7.72 7.82 7.98 7.72	AUG 7.68 7.72 7.76 7.76 7.71 7.67 7.72 7.81 7.66	SEP 7.62 7.67 7.63 7.56 7.59 7.54 7.60 7.67 7.53
					YEAR OCT	KE LEVEL, TOBER 1994 ERVATION	TO SEPTE	MBER 1995 DURS				
DAY 5 10 15 20 25 EOM MEAN MAX MIN WTR YR	OCT 7.50 7.55 7.53 7.56 7.53 7.54 7.53 7.60 7.49	NOV 7.66 7.81 7.77 7.74 7.73 7.81 7.74 7.86 7.57 MEAN 7.85	DEC 7.78 7.99 7.88 7.89 7.85 7.80 7.87 7.99 7.77 MAX 8.45	JAN 7.87 7.76 7.95 8.13 7.99 7.88 7.91 8.13 7.75 MIN 7	FEB 7.84 7.77 7.71 7.72 7.74 7.83 7.77 7.88 7.70 49	MAR 7.79 8.00 7.98 7.96 7.92 7.95 7.93 8.02 7.78	APR 8.01 8.33 8.14 8.01 7.97 8.03 8.08 8.40 7.95	MAY 8.00 8.44 8.07 7.96 7.88 8.05 8.44 7.80	JUN 7.74 7.84 8.19	JUL 7.98 7.83 7.88 7.80 7.80 7.77 7.86 8.15 7.76	AUG 8.21 8.05 7.95 7.94 7.77 7.74 7.94 8.21 7.74	SEP 7.68 7.65 7.59 7.56 7.56 7.53 7.61 7.73 7.53
					YEAR OCT	KE LEVEL, TOBER 1995 ERVATION	TO SEPTE	MBER 1996 DURS				
DAY 5 10 15 20 25 EOM MEAN MAX MIN	OCT 7.60 7.56 7.53 7.59 7.54 7.70 7.57 7.70 7.51	NOV 7.99 7.92 7.91 7.86 7.78 7.78 7.89 8.11 7.75	DEC 7.76 7.74 7.77 7.78 7.76 7.76 7.76 7.78 7.77	JAN 7.75 7.71 7.72 7.89 7.88 7.81 7.80 7.93 7.71	FEB 7.81 7.77 7.73 7.71 7.73 7.85 7.77 7.87	MAR 7.88 7.87 7.86 7.89 7.87 7.88 7.86 7.88	APR 7.86 7.83 7.89 8.20 8.27 8.13 8.00 8.35 7.83	MAY 8.09 8.43 8.32 8.48 8.12 8.09 8.28 9.00 8.04	JUN 7.99 8.05 8.07 8.10 8.00 7.88 8.05 8.17 7.88	JUL 7.77 7.75 7.86 8.55 8.34 8.24 8.07 8.65 7.74	AUG 8.05 7.87 7.80 8.03 7.98 7.77 7.94 8.21 7.77	SEP 7.74 7.75 7.73 7.86 7.94 7.90 7.80 7.94 7.71

WTR YR 1996 MEAN 7.90 MAX 9.00 MIN 7.51

03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN—Continued

LAKE LEVEL, FEET WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997 DAILY ORSERVATION AT 2400 HOURS

						ERVATION						
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.93					8.38	8.15	8.30	8.01	7.86	7.79	7.77
10						8.31	7.95	8.31	7.95	7.82	7.75	7.86
15 20						8.38 8.30	7.97 7.97	8.37 8.55	7.90 8.01	7.90 8.05	8.02 8.28	7.77 7.96
25					8.18	8.34	8.05	8.54	8.10	8.43	8.23	7.80
EOM					8.47	8.18	8.14	8.12	7.98	7.95	7.90	7.73
MEAN						8.32	8.03	8.33	8.05	8.03	8.03	7.82
MAX						8.49	8.15	8.64	8.21	8.67	8.37	7.96
MIN	4005					8.18	7.95	8.12	7.90	7.81	7.75	7.73
WTR YR	1997	MEAN 8.09	MAX 8.6	8 MIN 7.	.73							
					YEAR OC	AKE LEVEL, FOBER 1997 ERVATION	TO SEPTE					
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.73	7.83	8.14	8.68	8.02	8.02	8.43			7.56		
10 15	7.75 7.79	7.84 7.89	8.17 8.13	8.60 8.32	7.98 8.03	8.34 8.24	8.73 8.28					
20	7.77	7.95	8.15	8.12	8.06	8.51	8.00		7.92			
25	7.73	7.96	8.39	8.09	8.01	8.36	7.91		7.60			7.27
EOM	7.81	8.20	8.08	8.09	8.05	8.56	8.03		7.51			7.43
MEAN MAX	7.77 7.91	7.93 8.31	8.18 8.39	8.29 8.81	8.04 8.09	8.29 8.57	8.24 8.92					
MIN	7.72	7.82	8.08	8.04	7.98	8.00	7.86					
WTR YR	1998	MEAN 8.04	MAX 8.9	5 MIN 7.	.27							
					YEAR OC	AKE LEVEL, FOBER 1998 ERVATION	TO SEPTE					
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.36	7.59	7.85	7.79	7.99	7.81	7.65	7.64	7.44	7.46	7.16	7.49
10 15	7.54 7.52	7.92 7.74	8.01 7.86	7.75 7.74	8.02 7.99	7.78 7.70	7.70 7.59	7.58 7.53	7.35 7.31	7.31 7.23	7.14 7.11	7.42 7.37
20	7.55	7.74	7.85	7.80	7.91	7.74	7.58	7.53	7.23	7.20	7.12	7.32
25 EOM	7.54 7.61	7.81 7.85	7.76 7.73	8.22 8.05	7.88 8.15	7.66 7.58	7.84 7.80	7.52 7.46	7.38 7.46	7.16 7.30	7.26 7.53	7.24 7.44
					7.99					7.28	7.24	7.38
MEAN MAX	7.53 7.64	7.72 7.92	7.87 8.20	7.90 8.25	8.15	7.75 8.19	7.70 7.97	7.56 7.76	7.37 7.53	7.52	7.24	7.52
MIN	7.35	7.58	7.73	7.71	7.86	7.58	7.55	7.40	7.21	7.13	7.08	7.23
WTR YR	1999	MEAN 7.60	MAX 8.2	6 MIN 7.	.08							
					YEAR OC	AKE LEVEL, FOBER 1999 ERVATION	TO SEPTE					
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.53	7.45	7.74	7.87	7.87	8.19	8.07	7.83	8.21	8.23	7.83	7.93
10 15	7.49 7.45	7.46 7.45	7.67 7.88	7.89 7.88	7.90 7.91	8.20 8.16	8.11 8.10	7.86 7.87	8.05 8.07	8.21 7.96	7.87 7.81	8.03 8.22
20	7.44	7.47	7.82	7.89	7.95	8.20	8.23	7.96	8.04	7.84	7.81	7.96
25 FOM	7.43	7.51	7.75	7.87	8.10	8.18	8.00	7.98	8.22	7.75	7.97	8.01
EOM	7.42	7.50	7.78	7.85	8.23	8.11	7.84	8.10	8.20	7.86	7.98	7.96
MEAN MAX	7.46 7.56	7.47 7.52	7.72 7.88	7.86 7.89	7.96 8.25	8.17 8.23	8.07 8.23	7.93 8.10	8.12 8.25	8.00 8.39	7.89 8.02	8.03 8.38
MIN	7.39	7.44	7.50	7.78	7.85	8.11	7.84	7.79	7.98	7.73	7.79	7.89
WTR YR	2000	MEAN 7.89	MAX 8.4	2 MIN 7.	.39							

WABASH RIVER BASIN

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03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN—Continued

LAKE LEVEL, FEET WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.19	8.14	8.13	7.82	7.94	8.18	8.16	7.84	8.27	7.77	7.95	
10	8.14	8.37	8.01	7.79	8.36	8.09	8.53	7.88	8.25	7.75	7.94	
15	8.15	8.29	8.04	7.85	8.29	8.11	8.37	7.96	8.06	7.66	7.84	
20	8.17	8.23	8.03	7.85	8.11	8.15	8.10	8.01	7.90	7.72	7.89	
25	8.23	8.25	7.92	7.81	8.35	8.12	8.00	8.08	7.85	7.98	7.78	
EOM	8.15	8.35	7.85	7.97	8.30	8.12	7.88	8.13	7.80	7.93		
MEAN	8.15	8.25	8.04	7.83	8.16	8.14	8.23	7.99	8.05	7.80		
MAX	8.25	8.37	8.34	7.97	8.37	8.27	8.59	8.17	8.31	7.98		
MIN	7.96	8.13	7.85	7.78	7.94	8.09	7.88	7.83	7.80	7.65		
WTR YR	2001	MEAN 8.04	MAX 8.60	MIN 7.	.26							

LAKE LEVEL, FEET WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.08	8.27	8.32	7.99	8.39	8.30	8.30	7.96	7.96	7.71	7.72	7.54
10	8.04	8.21	8.32	7.96	8.31	8.38	8.39	8.06	7.89	7.70	7.62	7.53
15	8.50	8.05	8.47	7.98	8.26	8.25	8.32	8.31	7.89	7.61	7.60	7.46
20	8.38	8.08	8.54	8.01	8.38	8.14	8.19	8.14	7.85		7.66	7.60
25	8.34	8.14	8.46	8.08	8.32	8.11	8.03	8.06	7.90	7.66	7.68	7.52
EOM	8.15	8.33	8.13	8.62	8.34	8.23	8.02	7.95	7.80	7.74	7.60	7.50
MEAN	8.29	8.16	8.39	8.05	8.34	8.24	8.24	8.12	7.88	7.69	7.66	7.52
MAX	8.62	8.33	8.62	8.62	8.58	8.50	8.51	8.54	7.96	7.79	7.74	7.60
MIN	8.00	8.05	8.13	7.96	8.23	8.08	7.98	7.95	7.80	7.60	7.59	7.44
WTR YR	2002	MEAN 8.05	MAX 8.63	MIN 7.4	44							

LAKE LEVEL, FEET WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.53											7.92
10												7.83
15												7.78
20												7.71
25												7.80
EOM											7.83	7.82
MEAN												7.84
MAX												8.03
MIN												7.71

WTR YR 2003 MEAN 7.77 MAX 8.03 MIN 7.49

04177700 HAMILTON LAKE AT HAMILTON, IN

LOCATION.--Lat 41°32'10", long 84°54'45", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003 (HAMILTON, IN quadrangle). The gage is on the eastern shore of the southern lobe at the outlet, in the town of Hamilton.

SURFACE AREA .-- 802 acres.

DRAINAGE AREA.--16.5 mi².

PERIOD OF RECORD .-- 1943 to 2002, June 2003 to September 30, 2003.

DATUM OF GAGE.--890.12 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1978.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.83 ft gage datum or 898.83 ft above National Geodetic Vertical Datum of 1929 as decreed on July 3, 1947, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.83 ft gage datum or 898.95 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by two dams. The northernmost dam is concrete and steel sheet piling with a fixed crest. The southern dam has a fixed concrete sill.

INLET AND OUTLET.--Black Creek enters the lake on the northeast shore. Two small ditches enter from the east and the north. There are two outlets, both on the southern lobe, that flow into Fish Creek thence into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.14 ft Dec. 30, 1965; minimum stage, 7.27 ft Jan. 4-9, 1953.

LAKE LEVEL, FEET WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5										8.55	8.96	8.84
10										8.70	8.67	8.64
15										8.57	8.62	8.60
20										8.50	8.54	8.53
25									8.52	8.63	8.53	8.64
EOM									8.48	8.71	8.55	8.70
MEAN										8.62	8.70	8.69
MAX										8.84	9.35	9.09
MIN										8.47	8.51	8.52

WTR YR 2003 MEAN 8.66 MAX 9.38 MIN 8.41

WTR YR 2003 MEAN 3.14 MAX 3.74 MIN 2.69

03331440 LAKE MAXINKUCKEE AT CULVER, IN

LOCATION.--Lat 41°11'48", long 86°25'00", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T.32 N., R.1 E., Marshall County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is on the lower west side of the lake, at the public access site, 50 ft north of boat ramp, 1.4 mi south of the center of Culver.

SURFACE AREA.--1,864 acres.

DRAINAGE AREA.--13.7 mi².

PERIOD OF RECORD .-- 1943 to current year.

DATUM OF GAGE.--730.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--3.12 ft gage datum or 733.12 ft above National Geodetic Vertical Datum of 1929 as decreed on August 9, 1948, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL .-- The level of the lake is controlled by a concrete dam with a fixed crest at the outlet channel.

INLET AND OUTLET.--Wilson Ditch enters the lake at the northeast corner, Curtiss Ditch enters at the east center, and Norris Inlet enters at the southeast corner. The outlet leaves the lake at the western shore, north of the point, and flows into Lost Lake 1,600 ft downstream, thence into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.48 ft June 14, 15, 1981; minimum stage, 2.12 ft Nov. 19, 1953 and Nov. 19, 1956.

LAKE LEVEL, FEET WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.85	2.69	2.73	2.99	3.15	3.24	3.56			3.39	3.57	3.36
10	2.81	2.72	2.72	3.02	3.18	3.27				3.64	3.51	3.32
15	2.76	2.73	2.73	2.99	3.19	3.30				3.54	3.42	3.24
20	2.73	2.72	2.86	3.02	3.19	3.36				3.49	3.34	3.22
25	2.71	2.75	2.90	3.04	3.21	3.42				3.70	3.22	3.22
EOM	2.71	2.76	2.93	3.09	3.22	3.40			3.33	3.66	3.36	3.18
MEAN	2.77	2.73	2.80	3.02	3.18	3.33				3.57	3.43	3.28
MAX	2.88	2.76	2.93	3.09	3.22	3.48				3.74	3.63	3.47
MIN	2.71	2.69	2.72	2.98	3.09	3.23				3.31	3.20	3.18

05516200 LAKE OF THE WOODS NEAR BREMEN, IN

LOCATION.--Lat $41^{\circ}25'04''$, long $86^{\circ}13'44''$, in $SW^{1}_{4}NW^{1}_{4}NW^{1}_{4}$ sec.7, T.34 N., R.3 E., Marshall County, Hydrologic Unit 07120001 (BREMEN, IN quadrangle). The gage is on the southwest shore of the lake, at the public access site, and 4.7 mi southwest of Bremen.

SURFACE AREA.--416 acres.

DRAINAGE AREA.--9.45 mi².

PERIOD OF RECORD .-- 1945 to current year.

DATUM OF GAGE.--800.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the outlet channel.

ESTABLISHED LEGAL LEVEL.--3.85 ft gage datum or 803.85 ft above National Geodetic Vertical Datum of 1929 as decreed on August 9, 1948, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a 13 ft by 1 ft notch. The dam is equipped with a lift gate.

INLET AND OUTLET.--Three ditches, Kimble, Martin, and Seltenright, enter the lake on the northwest shore. Scofield Ditch enters at the west lobe. The outlet, Clark Ditch, flows from the lake at the southern end and eventually into Yellow River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.68 ft Oct. 12, 1954; minimum stage, 2.75 ft Nov. 18-20, 1953.

LAKE LEVEL, FEET WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.09	3.01	3.04	3.16	3.21	3.00	3.33	3.57	3.94	3.76	3.86	3.93
10	3.01	3.12	2.96	3.15	3.09	3.04	3.33	3.97	3.92	3.86	3.85	3.89
15	2.95	3.09	3.01	3.10	2.92	3.11	3.22	3.79	3.93	3.75	3.85	3.80
20	3.04	3.06	3.21	3.01	3.10	3.16	3.19	4.01	3.88	3.73	3.79	3.32
25	3.02	3.11	3.19	2.93	2.94	3.18	3.10	3.98	3.81	3.82	3.71	3.22
EOM	3.01	3.07	3.19	2.94	2.86	3.11	3.18	3.97	3.77	3.89	3.93	3.19
MEAN	3.02	3.07	3.09	3.06	3.03	3.09	3.20	3.81	3.89	3.82	3.84	3.61
MAX	3.10	3.14	3.21	3.19	3.21	3.18	3.36	4.01	3.96	4.06	3.93	4.02
MIN	2.93	3.01	2.96	2.93	2.85	2.86	3.07	3.30	3.77	3.73	3.71	3.19
	2002		3.51.75 4.6									

WTR YR 2003 MEAN 3.38 MAX 4.06 MIN 2.82

03331460 LOST LAKE AT CULVER, IN

LOCATION.—Lat $41^{\circ}12^{\circ}01^{\circ}$, long $86^{\circ}25^{\circ}19^{\circ}$, in $NE^{1}_{4}NW^{1}_{4}NW^{1}_{4}$ sec. 28, T.32 N., R.1 E., Marshall County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is on the northern shore of the lake at the east end of West 19th Road (lake access road), 1.1 mi south of the center of Culver.

SURFACE AREA .-- 40 acres.

DRAINAGE AREA.--14.2 mi².

PERIOD OF RECORD.--1954-61, 1963-74, 1976 to current year. (Formerly published as Hawks Lake near Culver.)

DATUM OF GAGE.--720.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--12.00 ft gage datum or 732.00 ft above National Geodetic Vertical Datum of 1929 as decreed on February 17, 1960, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam and sill with removable boards in the outlet channel approximately 850 ft downstream from the main body of the lake.

INLET AND OUTLET.--The one inlet flows into the lake from Maxinkuckee Lake and enters on the north shore. The outlet flows from the south end of the lake to the Tippecanoe River 3.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.05 ft June 15, 1981; minimum stage, 10.12 ft July 9, 1959.

LAKE LEVEL, FEET WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.10	12.02	12.04	12.25	12.43	12.45	12.15	12.58	12.25	12.69	12.39	12.88
10	12.06	12.05	12.01	12.25	12.43	12.45	12.52	12.45	12.21	12.66	12.52	12.56
15	12.02	12.02	12.01	12.23	12.43	12.46	12.10	12.42	12.19	12.60	12.45	12.56
20	12.05	12.01	12.17	12.25	12.44	12.63	12.57	12.43	12.31	12.08	12.78	12.67
25	12.03	12.05	12.19	12.25	12.44	12.40	12.07	12.36		12.29	12.59	12.78
EOM	12.02	12.06	12.21	12.26	12.44	12.50	12.73	12.30		12.32	12.20	12.16
MEAN MAX MIN	12.05 12.16 12.00	12.03 12.06 12.00	12.09 12.21 12.01	12.25 12.26 12.20	12.43 12.44 12.29	12.44 12.76 12.14	12.33 12.82 12.05	12.44 12.62 12.30	 	12.47 12.69 12.08	12.52 12.78 12.20	12.56 12.88 12.11

WTR YR 2003 MEAN 12.32 MAX 12.92 MIN 12.00

04099880 SIMONTON LAKE NEAR ELKHART, IN

LOCATION.-Lat 41°45′05", long 85°57′28", in NE ½ NE ¼ NE ¼ NE ¼ NE ¼ Sec. 16, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001 (ELKHART, IN quadrangle). The gage is on the southern shore between the two large lobes of the lake, at the public access site, 4.5 mi north of the main Post Office in Elkhart.

SURFACE AREA.--303 acres.

DRAINAGE AREA.--7.44 mi².

PERIOD OF RECORD .-- 1946 to current year.

DATUM OF GAGE.--770.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--2.19 ft gage datum or 772.19 ft above National Geodetic Vertical Datum of 1929 as decreed on September 25, 1950, by the Elkhart County Circuit Court.

LAKE LEVEL, FEET

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--Two small drainage ditches enter the lake on the eastern shore. The outlet, Osolo Township Ditch, flows from the lake at the southeastern tip and into the St. Joseph River, 4.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.42 ft Feb. 24, 1985; minimum stage, 1.36 ft Sept. 7, 1946.

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY OBSERVATION AT 2400 HOURS DAY OCT NOV DEC JAN **FEB** MAR APR MAY JUN JUL AUG SEP 2.04 1.94 2.11 2.32 2.35 2.35 2.57 2.65 2.80 2.41 2.49 2.31 2.10 2.10 2.32 2.32 2.32 2.35 2.35 2.35 2.77 2.71 2.35 2.36 2.52 2.60 10 1.99 2.01 2.00 2.90 2.52 2.25 2.43 2.57 2.48 2.18 1.96 2.97 15 20 25 2.24 2.35 2.52 2.56 2 95 2.43 2.36 1.95 2.00 2.33 2.61 2.09 2.26 2.33 2.35 2.50 2.50 2 29 2.50 2.08 2.52 1 95 2.88 2.25 2.10 2.33 2.48 2.21 **EOM** 1.94 2.31 2.35 2.46 2.49 2.84 2.44 2.27 2.18 2.46 2.40 MEAN 1.97 2.01 2.32 2.35 2.54 2.83 2.67 2.23 2.41 2.31 2.55 2.34 MAX 2.05 2.10 2.33 2.35 2.52 2.60 2.97 2.83 2.56 2.30 2.10 2.35 2.35 2.19 MIN 1.93 1.92 2.33 2.45 2.53 2.44 2.07 WTR YR 2003 MEAN 2.37 MAX 2.98 MIN 1.92

04100180 SYLVAN LAKE AT ROME CITY, IN

LOCATION.—Lat $41^{\circ}29^{\circ}53^{\circ}$, long $85^{\circ}22^{\circ}38^{\circ}$, in $SE^{1}_{4}SE^{1}_{4}SW^{1}_{4}$ sec.9, T.35 N., R.10 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is on the lake outlet on the extreme western end of the lake, and at the northern edge of Rome City.

SURFACE AREA.--669 acres.

DRAINAGE AREA.--33.8 mi².

PERIOD OF RECORD .-- 1943 to current year.

DATUM OF GAGE.--907.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, the datum of the gage was 910.00 ft. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the wall of the dam at same site.

ESTABLISHED LEGAL LEVEL.—9.20 ft present gage datum or 916.20 ft above National Geodetic Vertical Datum of 1929 as decreed on June 14, 1951, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL .-- The level of the lake is controlled by a concrete dam with movable gates.

INLET AND OUTLET.--Barr Lake, 0.2 mi upstream, empties into Sylvan Lake on the southeast shore of the northwest lobe. Oviatt Ditch and Henderson Lake Ditch both enter the lake on the extreme eastern end. The outlet flows from the lake at the western tip, into Jones Lake 2.8 mi downstream and eventually into the North Branch of the Elkhart River.

LAKE LEVEL, FEET

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.14 ft Aug. 22 and 23, 1996; minimum stage, below -.30 ft Oct. 3-9, and 16-18, 1994.

					YEAR OCT	TOBER 2002 ERVATION	TO SEPTE	EMBER 2003 OURS				
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.11	9.10	9.10	9.18	9.17	9.17	9.69	9.52	9.28	9.14	9.32	9.71
10	9.07	9.14	9.09	9.17	9.15	9.37	9.68	9.89	9.25	9.61	9.24	9.42
15	9.05	9.12	9.10	9.13	9.13	9.62	9.46	10.01	9.35	9.40	9.22	9.29
20	9.11	9.12	9.20	9.13	9.13	9.59	9.41	9.71	9.26	9.23	9.13	9.19
25	9.10	9.14	9.21	9.11	9.16	9.49	9.30	9.48	9.16	9.36	9.18	9.37
EOM	9.10	9.12	9.19	9.12	9.16	9.50	9.29	9.37	9.10	9.34	9.21	9.53
MEAN	9.09	9.12	9.14	9.14	9.14	9.42	9.47	9.64	9.26	9.35	9.23	9.43
MAX	9.11	9.15	9.21	9.19	9.17	9.63	9.76	10.05	9.36	9.61	9.39	9.75
MIN	9.04	9.08	9.09	9.11	9.12	9.15	9.21	9.37	9.10	9.08	9.13	9.18
WTR YR	2003	MEAN 9.29	MAX 10	.06 MIN 9	9.04							

04100220 WALDRON LAKE NEAR COSPERVILLE, IN

LOCATION.--Lat 41°29'34", long 85°26'55", in SE¹/₄NW¹/₄NE¹/₄ sec.14, T.35 N., R.9 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is on a dredged channel at the public access site west of County Road 125 West at Dukes Bridge, and 6.8 mi northwest of Albion.

SURFACE AREA .-- 216 acres.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD .-- 1948 to current year.

DATUM OF GAGE.--880.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary wire-weight gage is attached to the upstream side of Dukes Bridge.

ESTABLISHED LEGAL LEVEL.--5.55 ft gage datum or 885.55 ft above National Geodetic Vertical Datum of 1929 as decreed on May 6, 1968, by the Noble County Circuit Court. Jones, Steinbarger and Tamarack Lakes, all near Cosperville, have the same established level as Waldron Lake and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL .-- The level of the lake is controlled by a fixed-crest concrete dam with removable boards.

INLET AND OUTLET.--The North Branch of the Elkhart River flows through the lake, entering through Jones Lake at the north and leaving at the west end of Waldron Lake. Another inlet enters at the southeast from Steinbarger Lake, 0.1 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.16 ft Mar. 22, 1982; minimum stage, 4.44 ft Aug. 9-11, Sept. 14-17, 1964.

LAKE LEVEL, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.70	5.02	5.04	5.34	5.04	4.91	6.22	5.92	5.76	5.64	5.87	6.43
10	5.66	5.02	4.96	5.27	5.00	5.26	6.34	6.54	5.76	6.20	5.78	6.22
15	5.38	5.04	5.00	5.16	4.90	5.78	6.06	7.10	5.86	5.91	5.74	5.89
20	5.24	5.03	5.32	5.05	4.99	5.90	5.79	6.98	5.81	5.75	5.66	5.73
25	5.13	5.09	5.42	4.98	4.90	5.92	5.56	6.50	5.70	5.84	5.68	5.88
EOM	5.00	5.07	5.39	4.98	4.86	5.82	5.42	6.02	5.66	5.86	5.77	6.23
MEAN	5.39	5.03	5.16	5.15	4.95	5.53	5.90	6.45	5.78	5.87	5.76	6.06
MAX	5.70	5.09	5.43	5.39	5.16	5.95	6.36	7.15	5.98	6.20	5.92	6.43
MIN	5.00	4.93	4.96	4.96	4.83	4.85	5.35	5.56	5.66	5.61	5.66	5.71
TIMED IN	2002	A FE + N . 5 . 50	34437 7 1	<	0.2							

WTR YR 2003 MEAN 5.59 MAX 7.16 MIN 4.83

For many years, records of the water-surface elevations of many of the lakes in Indiana have been collected by the Geological Survey under cooperative agreement with the Indiana Department of Natural Resources. Basic data for a few selected lakes have been published in WSP 1363, entitled "Hydrology of Indiana Lakes." Records which have not been published are available in the files of the District Office of the Geological Survey in Indianapolis, Indiana. In general, the records before 1976 were based on once-daily readings of a staff gage by a local observer and consist of daily, monthly, and yearly mean water-surface elevations. Starting in 1976, water-stage recorders were installed at many stations which had previously been nonrecording gages. Discharge measurements, made at the outflow, are also available in some instances.

The lakes for which records have been collected are listed by downstream order number in the following table. The established level, sometimes referred to as the legal level, is that elevation set by the courts to which the average level of the lake is to be held; it is normally set at about the average level that has prevailed for a number of years prior to the establishment of the level. Surface area and capacity of the lake is that surface area and capacity at the established level. Depth contour maps are only those surveyed by the Water Resources Division of the Geological Survey. The inclusive years that records of stage have been collected at a lake are shown in the last column. If records are still being collected on a current basis, there is no closing date shown.

Lakes in the Ohio River Basin for which records are available

Station number	Lake	County	Drainage (square miles)	Surface area (acres)	Estab- lished level*	Capac- ity (acre- feet)	Contour map avail- able	Records avail- able
		LAUGHERY	Y CREEK BA	SIN				
03276800 Versailles Lake	e near Versailles	Ripley	168.0	232			-	1957-2002
		BAYOU I	ORAIN BASI	N				
03322300 Hovey Lake ne	ar Mount Vernon	Posey	6.36	253			-	1950-69
		WABASH	RIVER BAS	IN				
03327550 Everett Lake ne	ear Levert	Allen	1.07	43	835.13	650	+	1946-66
03327600 Blue Lake near		Whitley	3.58	239	850.28	5,010	+	1946-69,
02227650 61 1 1 1	. m : r . 1	******	0.4	111	007.04			1976-2002
03327650 Shriner Lake at 03327700 Cedar Lake at 1		Whitley Whitley	.94 .79	111 131	907.04 901.90		-	1943-2002 1943-49
03327750 Cedai Lake at 03327750 Round Lake at		Whitley	3.36	125	901.90		_	1943-49
03327800 Wilson Lake ne		Whitley	.46	29	865.39	390	+	1946-52
03327850 Little Wilson L		Whitley	.52	8	865.39	130	+	1946-52
03328100 Long Lake at L	Laketon	Wabash	.55	48	751.19	760	+	1946-51,
02220250 N. d. L. d. L.	1 (C) 1 b	17 ' 1	2.00	10	061.72	170		1959-2002
03328250 North Little La 03328350 Silver Lake at S		Kosciusko Kosciusko	2.89 6.31	12 102	861.73 861.73	170 1,520	++	1947- 1947-2002
03328400 Lukens Lake no		Wabash	1.76	46	763.60	1,010	+	1948-49,
						-,		1959-2002
03330020 Crooked Lake		Noble	1.51	206	905.69	9,040	+	1943-53
03330040 Big Lake near	Wolflake	Noble	8.89	228	898.18	5,630	+	1943-75
03330060 Goose Lake ne	ar I arana	Whitley	1.51	84	910.96	2,180	+	1976-2002 1945-53
03330080 Loon Lake at C		Whitley	11.1	222	895.14	5,730	+	1943-66
03330100 New Lake near		Whitley	.29	50	903.91	880	+	1945-53
03330120 Old Lake near		Whitley	2.81	32	898.07	620	+	1949-66
03330140 Smalley Lake r		Noble	27.1	69		1,520	+	1943-2002
03330160 Gilbert Lake no		Noble	.37	28		490	+	1954-2002
03330180 Horsesnoe Lak 03330200 Baugher Lake 1	e near Washington Center	Noble Noble	1.62 31.0	18 32	901.80 878.52	250 390	++	1945-66 1945-51
03330200 Baugher Lake i 03330220 Wilmot Pond a		Noble	35.2	10	676.32	390	- -	1945-51
03330240 Webster Lake a		Kosciusko	49.2	774	852.75	7,170	+	1943-2002
03330243 James Lake at		Kosciusko	55.9	282	836.40	7,580	+	1943-
03330260 Robinson Lake		Kosciusko	7.15	59	851.09	1,170	+	1946-51
03330280 Troy Cedar Lal		Whitley	5.33 34.6	93 136	905.41	2,540	+	1945-52
03330300 Ridinger Lake 03330320 Kuhn Lake nea	r North Webster ^d	Kosciusko Kosciusko	3.85	130	843.12 837.50	2,900 1,290	+	1943-2002 1945-
03330340 Big Barbee Lak	ke near North Webster d	Kosciusko	44.7	304	837.50	5,640	+	1945-49
03330360 Little Barbee L		Kosciusko	49.0	74	837.50	960	+	1945-49
03330380 Shoe Lake near	r Oswego	Kosciusko	.34	40	841.57		-	1946-53,
								1972,74,
03330400 Banning Lake	near North Webster d	Kosciusko	.48	12	837.50	110	+	1976-2002 1945-
03330420 Irish Lake near	North Webster d	Kosciusko	.48 50.9	182	837.50	2,330	+	1945- 1945-
03330440 Sechrist Lake n		Kosciusko	.58	105	837.50	2,490	+	1945-
03330460 Sawmill Lake 1		Kosciusko	51.8	36	837.50	370	+	1945-2002
03330480 Tippecanoe La		Kosciusko	113	768	836.40	28,380	+	1943-2002
03330495 Oswego Lake a	olso magn Wangs 2	Kosciusko	113	83	836.40	780	+	1943-
03331010 Big Chapman I	Lake near warsaw	Kosciusko	4.17	581	827.75	6,080	+	1945-71, 1976-

Lakes in the Ohio River Basin for which records are available--Continued

Station number	Lake	County	Drain- age (square miles)	Surface area (acres)	Estab- lished level*	Capacity (acrefeet)	Contour map avail- able	Records avail- able
	W	ABASH RIVI	ER BASIN	Continued				
03331020 Little Chapma	ın Lake near Warsaw ^e	Kosciusko	7.13	77	827.75	1,990	+	1945-71, 1976-
03331040 Pike Lake at V	Varsaw	Kosciusko	41.5	203	805.64	2,830	+	1954-2002
03331060 Fish Lake nea		Kosciusko Kosciusko	4.93 11.8	15 32	845.52	300	-	1951-66
03331080 Muskellunge I		Kosciusko	11.6	32	842.67	300	+	1943-53, 1959-71
03331100 Carr Lake nea 03331120 Sherburn Lake	r Claypool	Kosciusko	2.27	79 15	848.88	1,340	+	1947-53
03331140 Winona Lake		Kosciusko Kosciusko	5.51 32.1	562	881.00 811.06	230 16,680	+ +	1954-2002 1943-2002
03331160 Center Lake a		Kosciusko	0.73	120	803.86	2,060	+	1945-2002
03331180 Palestine Lake		Kosciusko	32.4	290		1,170	+	1954-2002
03331200 Crystal Lake r		Kosciusko	.45	76	789.69	930	+	1945-51
03331220 Hoffman Lake 03331240 Beaver Dam I		Kosciusko Kosciusko	8.07 2.83	180 146	785.85 868.95	3,160 3,280	+ +	1945-53 1947-53
03331240 Beaver Bain E		Kosciusko	3.59	40	865.74	670	+	1947-53
03331280 McClures Lak	te near Silver Lake	Kosciusko	1.29	32	865.85	410	+	1945-52
03331300 Hill Lake near		Kosciusko	.85	67	871.50	1,300	+	1952-2002
03331320 Diamond Lake		Kosciusko	3.92	79 151	960.50	1,280	+	1954-2002
03331340 Yellow Creek 03331360 Rock Lake ne		Kosciusko Kosciusko	11.1 2.74	56	860.50 847.29	4,730 360	+ +	1945-53 1946-66
03331370 Town Lake ne		Fulton	2.77	23		220	+	1949-50
03331380 Lake Manitou		Fulton	44.2	1,158	778.41	10,165	+	1943-2002
03331390 Zink Lake nea		Fulton	1.11	19	810.68	1.240	-	1952-55
03331400 Nyona Lake n 03331420 South Mud La		Fulton Fulton	7.59 4.53	104 94	793.91 793.42	1,340 1,020	+ +	1946-2002 1946-66
03331438 King Lake nea		Fulton	1.98	18	193.42	180	+	1971-2002
03331440 Lake Maxinku	ickee at Culver 9	Marshall	13.7	1,864	733.12	45,600	+	1943-
03331460 Lost Lake nea	r Culver 4	Marshall	14.2	40	732.00		-	1954-
03331480 Langenbaum I		Starke	.72	48	717.96	260	+	1954-66
03331700 Bruce Lake at 03332200 Fletcher Lake		Pulaski Fulton	6.38 .67	245 45	723.69 783.20	1,790 880	+ +	1943-53 1946-53
03370900 Starve Hollow		Jackson	6.67	145		980	+	1946-61
								1963-71
03371700 Ogle Lake nea	ar Nasnville	Brown	1.03	20		250	+	1954-2002
	Lakes in the St. La	wrence River	Basin for w	which records a	re available			
	STREAM	MS TRIBUTA	ARY TO LA	KE MICHIGA	N			
04092500 Wolf Lake at I	Hammond ⁵	Lake	5.72	999			_	1946-49
04092990 Lake George a	at Hobart	Lake	124	282	602.23		-	1946-2002
04097520 Lake Pleasant		Steuben	3.18	24	961.50	3,490	+	1954-69,
								1971,
04097550 Lake George a	at Jamestown	Steuben	^a 14.7	488	985.28		_	1976-2002 1946-2002
04097596 Marsh Lake no		Steuben	14.9				-	1967-69
04097600 Little Otter La	ike near Fremont	Steuben	15.7	34	965.18	740		1946-53
04097640 Big Otter Lake		Steuben	21.3	69	965.18	1,780	+	1946-53
04097650 Snow Lake at 04097660 Lake James at		Steuben	^a 40.2 ^a 47.8	310 1,034	964.96 964.96	7,998 33,585	+	1943-49 1943-49
04097680 Jimmerson La	ke at Nevada Mills ⁶	Steuben Steuben	^a 51.6	434	964.66	4,394	+ +	1946-2002
04097780 Loon Lake ne	ar Angola	Steuben	2.13	138	1,011.98	630	+	1954-66
04097850 Crooked Lake		Steuben	10.4	828	988.17	10,555	+	1946-2002
04097950 Lake Gage at 1	Panama Panama f	Steuben	^a 17.3	332	954.25	10,140	+	1946-2002
04097960 Lime Lake at 04098100 Wall Lake nea	ranama r Orland	Steuben Lagrange	^a 17.5 1.61	57 141	954.25 942.25	427 1,640	+ +	1946- 1953-54
04098110 Mud Lake nea		Steuben	1.85	25	939.01		-	1956-67
04098300 Cedar Lake ne	ear Ontario	Lagrange	1.60	120	871.90	1,020	+	1948-51
04099050 Pigeon Lake n		Steuben	^a 35.2	61	988.24	930	+	1954-63
04099100 Fox Lake near 04099190 Pleasant Lake		Steuben Steuben	^a 1.25 ^a 1.12	142 53	1,018.83 963.52	3,150 1,190	+	1946-53 1946-66
04099190 Fleasant Lake 04099200 Long Lake at		Steuben	a _{67.9}	92	903.32	1,190	+ +	1946-2002
04099250 Bower Lake n		Steuben	^a 84.6	25	948.50	280	+	1946-71,
								1976-2002

RECORDS AVAILABLE ON LAKES--Continued

Lakes in the St. Lawrence River Basin for which records are available--Continued

Station Number Lake	County	Drainage (square miles)	Surface area (acres)	Estab- lished level*	Capacity (acrefeet)	Contour map avail- able	Records avail- able
STREA	MS TRIBUTARY T	TO LAKE M	IICHIGANCo	ontinued			
04099260 Golden Lake near Pleasant Lake ^g	Steuben	a88.8	119	948.50	1,810	+	1946-71,
04099400 Silver Lake near Angola	Steuben	^a 3.79	238	959.40	2,540	+	1976- 1945-53
04099430 Bass Lake near Angola	Steuben	a.39	61	979.68	450	+	1954-66
04099440 Howard Lake near Angola	Steuben	^a 3.90	27	977.34	130	+	1954-63
04099500 Hogback Lake near Angola	Steuben	a103	146	948.50	1,450	+	1946-2002
04099520 Otter Lake near Flint 04099540 Story Lake near Hudson	Steuben DeKalb	^a 6.91 3.16	118 77	934.15 942.20	1,960 1,020	+ +	1954-66 1946,
04099340 Story Lake ilea Hudson	DeKaio	3.10	//	942.20	1,020	т	1954-66
04099560 Big Turkey Lake at Stroh	Lagrange	35.8	450	926.61	7,300	+	1945-66
04099575 McClish Lake near Helmer h	Lagrange	1.28	35	951.09	1,210	+	1951-74,
04099580 Lake of the Woods near Helmer	Lagrange	5.25	136	951.09	5,470		1976- 1951-74,
04039380 Lake of the woods hear Heilier	Lagrange	3.23	130	931.09	3,470	+	1976-2002
04099600 Big Long Lake near Stroh	Lagrange	4.77	388	956.2		-	1954-2002
04099620 Pretty Lake near Stroh	Lagrange	2.89	184	965.50	4,720	+	1949-53,
04099640 Little Turkey Lake at Elmira	Lagrange	56.5	135	925.72	1,550	+	1963-65 1945-66
04099660 Royer Lake near Plato ¹	Lagrange	4.69	69	936.50	1,630	+	1952-66
04099670 Fish Lake near Plato	Lagrange	^a 10.6	100	936.50	4,050	+	1945-2002
04099700 North Twin Lake near Howe:	Lagrange	1.54	135	843.56	2,120	+	1953-2002
04099710 South Twin Lake near Howe J	Lagrange	2.22	116	843.56	3,600	+	1953-70
04099740 Shipshewana Lake near Shipshewana 04099760 Fish Lake near Scott	Lagrange Lagrange	^a 6.74 ^a 6.21	202 139	852.04 814.42	1,350 2,560	++	1951-2002 1954-73,
04077700 I Isli Lake ileai Scott	Lagrange	0.21	137	014.42	2,300	Ŧ	1976-2002
04099780 Stone Lake near Scott	Lagrange	1.51	152	818.76	2,060	+	1954-73, 1976-2002
04099800 Emma Lake near Emma	Lagrange	13.6	42	880.87	700	+	1954-66
04099810 Cass Lake near Shipshewana	Lagrange	.68	89		873	+	1970-
04099820 Hunter Lake near Middlebury 04099840 Wolf Lake near Goshen	Elkhart Elkhart	.51 ^a 1.29	99 100	856.90 813.00	1,120	+	1946-53 1947-57
04099860 Heaton Lake near Elkhart	Elkhart	9.33	87	767.30	640	- +	1947-37
0 1077000 Fleuton Eure neur Entmart	Eikitut	7.55	07	707.50	010		1969-74, 1976-2002
04099880 Simonton Lake near Elkhart	Elkhart	7.44	303	772.19	1,560	+	1946-
04099950 Indiana Lake near Bristol	Elkhart	.62	122	759.73	3,400	+	1946-53
04100010 Cree Lake near Kendallville	Noble	4.85	58	945.23	910	+	1949-66
04100020 Blackman Lake near Wolcottville 04100030 Adams Lake near Wolcottville	Lagrange Lagrange	.98 5.62	67 308	974.20 953.59	1,210 7,690	++	1953-59 1946-2002
04100040 Atwood Lake near Wolcottville	Lagrange	1.23	170	899.99	1,560	+	1948-53
04100050 Witmer Lake near Wolcottville k	Lagrange	36.1	204	897.36	7,040	+	1945-
04100060 Westler Lake near Wolcottville K	Lagrange	37.8	88	897.36	1,770	+	1945-
04100070 Dallas Lake near Wolcottville ^k	Lagrange	39.8	283	897.36	9,970	+	1945-
04100080 Martin Lake near Valentine ^m 04100090 Olin Lake near Valentine ^m	Lagrange Lagrange	4.93 5.81	26 103	899.45 899.45	890 9,180	++	1945- 1945-
04100100 Oliver Lake near Valentine	Lagrange	11.1	362	899.45	15,358	+	1945-2002
04100110 Hackenburg Lake near Wolcottville	Lagrange	55.4	42	897.36	510	+	1945-2002
04100120 Messick Lake near Wolcottville ^k	Lagrange	56.4	68	897.36	1,450	+	1945-
04100130 Jones Lake near Cosperville ^{7, n}	Noble Noble	70.3	114	885.55	960	+	1948-
04100140 Bixler Lake at Kendallville 04100150 Round Lake at Kendallville ⁰	Noble	5.28 3.47	120 99	963.65 954.50	2,090 2,140	++	1945-2002 1954-
04100160 Little Long Lake at Kendallville	Noble	4.55	71	954.50	1,750	+	1954-2002
04100170 Latta Lake near Rome City	Noble	2.52	42	918.71	900	+	1954-66
04100180 Sylvan Lake at Rome City	Noble	33.8	669	916.20	5,986	+	1943-
04100190 Sacarider Lake near Kendallville 04100200 Tamarack Lake near Cosperville ⁿ	Noble Noble	1.43 15.9	33 50	885.55	740 880	+	1954-63 1948-
04100210 Steinbarger Lake near Cosperville ⁿ	Noble	24.3	73	885.55	1,590	++	1948-
04100220 Waldron Lake near Cosperville	Noble	134	216	885.55	3,120	+	1948-
04100230 Long Lake near Burr Oak	Noble	12.0	40	895.82	630	+	1954-71
04100240 Sand Lake near Burr Oak	Noble	14.9	47	893.56	1,270	+	1946-51
04100250 Rivir Lake near Burr Oak 04100258 High Lake near Wolflake	Noble Noble	18.6 4.43	24 123	896.35	380 1,240	++	1954-65 1961-2002
04100260 Bear Lake near Wolflake	Noble	6.98	136	894.60	3,030	+	1943-2002
04100280 Muncie Lake near Burr Oak	Noble	42.8	47		580	+	1954-2002
04100290 Silver Lake near Wolflake	Noble	.28	34		220	+	1953-63

Lakes in the St. Lawrence River Basin for which records are available--Continued

Station Number	Lake	County	Drain- age (square miles)	Surface area (acres)	Estab- lished level*	Capacity (acrefeet)	Contour map avail- able	Records avail- able		
STREAMS TRIBUTARY TO LAKE MICHIGANContinued										
04100300 Skinner Lake	near Albion	Noble	14.0	125	927.74	1,750	+	1945-72, 1977-2002		
04100310 Pleasant Lake	near Wolflake	Noble	.29	20		540	+	1952-53		
04100320 Upper Long I		Noble	2.08	86	891.19	1,900	+	1956-2002		
04100330 Lower Long I 04100340 Eagle Lake no		Noble Noble	4.35 3.22	66 81	889.81	1,560 1,050	++	1946-52 1946-48		
04100340 Eagle Lake IIC 04100350 Diamond Lak		Noble	4.80	105		2,580	+	1946-2002		
04100360 Sparta Lake a	t Kimmel	Noble	.69	31	888.50	170	+	1946-51		
04100370 Engle Lake no	ear Ligonier	Noble	^a 4.19	48	878.90	670	+	1956-71, 1977-2002		
04100380 Harper Lake r	near Washington Center p	Noble	2.76	11	878.25	160	+	1977-2002 1946-		
04100390 Knapp Lake n	near Washington Center	Noble	6.02	88	878.25	3,040	+	1946-2002		
04100400 Moss Lake ne		Noble	6.12	9	878.25	80	+	1946-		
04100410 Hindman Lak 04100420 Gordy Lake n	e near Washington Center p	Noble Noble	8.66 9.40	13 31	878.25 876.68	140 680	+	1946- 1953-66		
04100425 Rider Lake ne	ear Cromwell	Noble	10.9	5	876.68	30	+	1953-66		
04100430 Duely Lake n	ear Cromwell 8	Noble	11.2	21	876.68	180	+	1953-66		
04100440 Village Lake	near Cromwell	Noble	12.0	12	876.68	160	+	1953-66		
04100446 Flatbelly Lake 04100448 Papakeechie I		Kosciusko Kosciusko	4.66 5.52	326 300			-	1964-67 1964-67		
04100450 Wawasee Lak		Kosciusko	36.9	3,060	858.89	67,210	+	1943-66		
04100460 Syracuse Lake		Kosciusko	38.2	414	858.87	5,360	+	1943-2002		
04100470 Dewart Lake r 04100480 Wabee Lake r		Kosciusko Kosciusko	^a 8.05 ^a 14.6	551 187	867.70 829.79	9,000 4,750	+	1945-2002 1946-53		
	STRE	EAMS TRIBU	JTARY TO	LAKE ERIE						
04177200 Clear Lake at	Class Laks	Steuben	6.86	800	1 027 29	24,990		1943-2002		
04177210 Round Lake at		Steuben	7.25	30	1,037.38 1,037.38	340	+	1943-2002		
04177300 Long Lake ne		Steuben	2.80	154		1,840	+	1961-63		
04177680 Ball Lake nea		Steuben	11.6	87	894.76	3,520	+	1961-2002		
04177700 Hamilton Lak 04179200 Indian Lake n		Steuben DeKalb	16.5 3.76	802 56	898.83	16,600 1,220	+	1943- 1957		
04179300 Cedar lake ne		DeKalb	23.4	28	896.76	230	+	1943-56		
	Lakes in the Upper M	lississippi Riv	ver Basin for	r which record	s are available					
			Drain-			Capac-	Contour			
a			age	Surface	Estab-	ity	map	Records		
Station Number	Lake	County	(square miles)	area (acres)	lished level*	(acre- feet)	avail- able	avail- able		
Number	Lake	County	iiiics)	(acres)	icvei	icci)	abic	abic		
		ILLINOIS	RIVER BA	SIN						
05514740 Saugany Lake 05514741 Hudson Lake		LaPorte LaPorte	^a 2.34 7.92	74 432	781.21 763.09	2,190 5,060	++	1946-50 1946-76		
03314741 Hudson Lake	at Hudson Lake	Lai orte	1.72	732	703.07	3,000	Т	1978-95		
05514750 North Chain I		St. Joseph	^a 3.89	88	721.17	1,400	+	1946-53		
05514760 South Chain I 05514770 Wharton Lake		St. Joseph St. Joseph	^a 6.32 ^a 1.85	90	717.04	270	-	1946-53 1960-2002		
05514900 Silver Lake no		LaPorte	1.63	54	795.20		-	1946-66		
05515200 Upper Fish La	ake near Stillwell	LaPorte	^a 9.65	139	688.22	1,040	+	1946-53		
05515210 Lower Fish La 05515220 Pine Lake at I		LaPorte LaPorte	^a 10.4 ^a 10.7	134 564	688.22 796.20	870	+	1946-53 1946-75		
								1980-2002		
05515230 Stone Lake at		LaPorte	^a 10.7	140	796.20	7.0	-	1946-75 1980-		
05515240 Clear Lake at	LaPorte	LaPorte	.65	106	798.20	760	+	1942-49, 1952-75 1980-2002		

RECORDS AVAILABLE ON LAKES--Continued

Lakes in the Upper Mississippi River Basin for which records are available--Continued

Station Number Lake	County	Drain- age (square miles)	Surface area (acres)	Estab- lished level*	Capacity (acrefeet)	Contour map avail- able	Records avail- able
	ILLINOIS RIVE	ER BASIN	Continued				
05515600 Koontz Lake at Koontz Lake 05515800 Riddles Lake near Lakeville	Starke St. Joseph	^a 6.25 ^a 11.7	346 77	714.56 817.50	3,170 640	++	1943-2002 1946-73,
05516200 Lake of the Woods near Bremen 05516600 Pretty Lake near Plymouth	Marshall Marshall	^a 9.45 .85	416 97	803.85 787.36	6,810 2,140	+	1976-2002 1945- 1954-66
05516700 Myers Lake near Twin Lakes 05516800 Mill Pond and Kreighbaum Lake	Marshall	1.41	96	768.69	2,000	+	1989-00 1945-53
near Twin Lakes 05516900 Eagle Lake near Ober	Marshall Starke	^a 5.34 ^a 25.5	168 24	767.75 713.25	1,020 160	++	1945-53 1946-53
05517100 Skitz Lake near Knox 05517200 Bass Lake at Bass Lake	Starke Starke	5.18	1,000 1,400	713.65		- -	1949-53 1943-2002
05517600 Wauhob Lake near Valparaiso 05517650 Long Lake near Valparaiso	Porter Porter	.40 1.31	21 65	797.66	520	+	1946-2002 1947-52
05517670 Spectacle Lake near Valparaiso 05517700 Flint Lake near Valparaiso 05517800 Lake Eliza near Beatrice	Porter Porter Porter	.53 2.62 1.70	62 86 45	812.82 797.66 738.70	540	+ - -	1946-53 1946-2002 1954-74,
05518700 Cedar Lake at Cedar Lake	Lake	8.14	781		6,750	+	1976-2002 1943-2002
05518800 Dalecarlia Lake near Creston 05521300 Ringneck Lake near Medaryville 05525700 J.C. Murphy Lake near Morocco	Lake Jasper Newton	20.1 1.94 13.0	193 1,400 1,515			-	1947-52 1949-55 1952-61

⁺ Depth contour maps available for sale by Indiana Department of Natural Resources, State Office Building, Indianapolis, Indiana.

^{*} Elevation, in feet, above mean sea level.

Formerly published as Rider Lake at Wilmot.
 Formerly published as Chapman Lake near Warsaw.
 Formerly published as Johnson Lake near Pierceton.

⁴ Formerly published as Hawks Lake near Culver.

⁵ Same as Wolf Lake at Chicago, Illinois WRD District.

⁶ Formerly published as Jimerson Lake at Nevada Mills.

Formerly published as Sanford Lake near Cosperville.

8 Formerly published as Duley Lake near Cromwell, and Druley Lake near Cromwell, and Druley Lake near Cromwell.

9 Formerly published as Maxinkuckee Lake at Culver

^a Contains drainage area (5 percent or greater) that does not contribute directly to surface-water runoff.

b Has same control structure and level records as Silver Lake at Silver Lake.

Has same control structure and level records as Shivet Lake at Oswego.

Has same control structure and level records as Tippecanoe Lake at Oswego.

Has same control structure and level records as Sawmill Lake near North Webster.

Has same control structure and level records as Big Chapman Lake near Warsaw.

Has same control structure and level records as Lake Gage at Panama.

g Has same control structure and level records as Bower Lake near Pleasant Lake.

h Has same control structure and level records as Lake of The Woods near Helmer.

Has same control structure and level records as Fish Lake near Plato.

J Has same control structure and level records as Pish Lake hear Piato.

Has same control structure and level records as North Twin Lake near Howe.

Has same control structure and level records as Hackenburgh Lake near Wolcottville.

Has same control structure and level records as Oliver Lake near Valentine.

Has same control structure and level records as Waldron Lake near Cosperville.

O Has same control structure and level records as Little Long Lake at Kendallville. ^p Has same control structure and level records as Knapp Lake near Washington Center.

Has same control structure and level records as Clear Lake at Clear Lake.
 Has same control structure and level records as Pine Lake at Laporte.

OTHER LAKE MAPS AVAILABLE

The lakes in Indiana which are not included in the cooperative stabilization program but which have been mapped for recreational purposes are shown in the following table. Surface area and capacities are related to reference mean sea level elevation at time of mapping. Additional data is shown on map, which are available for sale by the Indiana Department of Natural Resources, State Office Building, Indianapolis, Indiana.

Lake	County	Surface area (acres)	Capacity (acre- feet)	Lake	County	Surface area (acres)	Capacity (acre- feet)			
				OHIO RIVER BASIN						
Barr Lake Bischoff Reservoir Black Lake Bowen Lake Brown Lake Caldwell Lake Crosley Lake Ferdinand Lake Franke Lake Hartz Lake Kunkel Lake Lake Freeman Lake Shafer	Fulton Ripley Whitley Scott Whitley Kosciusko Noble Jennings Dubois Clark Starke Wells Carroll White	22 200 24 7 23 45 28 14 42 9 28 25 1,547 1,291	470 1,920 400 60 580 800 360 130 440 70 370 150 26,000 13,120	Lake 16 Larwill Lake Lenape Lake Lincoln Park Lake Little Pike Lake McColley Lake Round Lake Scales Lake Schlamm Lake Sellers Lake Shakamak Lake Twin Lakes Whitewater Lake Yellowwood Lake	Fulton Whitley Greene Spencer Kosciusko Wabash Warrick Clark Kosciusko Sullivan Wabash Union Brown	27 9 36 58 25 28 48 66 19 32 56 18 199	220 170 330 520 140 410 540 520 170 340 610 190 3,650 1,890			
STREAMS TRIBUTARY TO LAKE MICHIGAN										
Appleman Lake Bartley Lake Bartlon Lake Bell Lake Boner Lake Bowen Lake Bristol Lake Bristol Lake Center Lake Cline Lake Deer Lake Dock Lake Eve Lake Fish Lake Hog Lake Hog Lake Lime Lake Little Turkey Lake Marl Lake	Lagrange Noble Steuben Steuben Kosciusko Noble Noble Lagrange Steuben Lagrange Noble Noble Lagrange Steuben Lagrange Steuben Steuben Steuben Steuben Steuben Steuben Noble	52 34 94 38 40 30 27 18 46 20 36 16 31 59 48 30 58 30	590 430 1,340 510 370 1,080 740 150 390 350 420 230 670 750 690 570 330 780 510	Mateer Lake Miller Lake Millers Lake Mud Lake Norman Lake Pigeon Lake Port Mitchell Lake Rainbow Lake Schockopee Lake Shock Lake Smith Hole Still Lake Sweet Lake Tamarack Lake Walters Lake Williams Lake Williams Lake	Lagrange Noble Noble Noble Lagrange Noble Lagrange Noble Lagrange Noble Lagrange Lagrange Lagrange Lagrange Lagrange Noble Noble Noble Steuben Lagrange Noble Noble Kosciusko	18 11 28 8 14 61 15 16 21 37 2 30 16 84 53 6 49 46 6	150 160 410 70 280 1,160 180 250 280 1,210 10 620 210 1,340 550 70 650 1,070 100			
			STREAMS	S TRIBUTARY TO LAKE ERIE						
Dunton Lake Handy Lake Lake Anne	DeKalb Steuben Steuben	21 16 17	340 290 280	Mirror Lake Terry Lake	Steuben DeKalb	9 17	120 160			
			UPPER	MISSISSIPPI RIVER BASIN						
Cook Lake Dixon Lake Flat Lake	Marshall Marshall Marshall	93 33 26	1,650 480 210	Gilbert Lake Holem Lake Lawrence Lake	Marshall Marshall Marshall	37 40 69	490 390 1,580			