

Water-Data Report 2011

03353450 EAGLE CREEK RESERVOIR NEAR INDIANAPOLIS, IN

White River Basin

LOCATION.--Lat 39°49'20", long 86°18'13" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.22, T.16 N., R.2 E., Marion County, IN, Hydrologic Unit 05120201, in outlet structure of reservoir on Eagle Creek, 800 ft upstream from Interstate Highway 74, 0.5 mi downstream from School Branch, 1.0 mi northeast of Clermont, and 2 mi west of Indianapolis.

DRAINAGE AREA.--162 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.00 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Water-stage elevations and capacity tables furnished by Indianapolis Flood Control District.

REMARKS.--Reservoir is formed by earth-fill dam. Low flow is controlled through a 48-inch diameter conduit. Spillway elevation, 783 ft is an ogee section with 6 taintor gates, each 40 ft wide and 25 ft high. Permanent pool capacity is 24,000 acre-ft, elevation, 790.00 ft. Reservoir is used for flood control, low-flow maintenance, water supply, and recreation. Reservoir put into operation Nov. 27, 1969.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 30,940 acre-ft May 11, 2003, elevation, 794.84 ft; minimum, 11,390 acre-ft Nov. 17-18, 1991, elevation, 778.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 27,560 acre-ft Feb. 28, elevation, 792.54 ft; minimum, 18,120 acre-ft Nov. 22, elevation, 785.35 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011.			
Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre feet)
Sept. 30	788.27	21,750	
Oct. 31	786.09	19,010	- 2740
Nov. 30	786.32	19,280	+ 270
Dec. 28	786.27	19,220	- 60
CAL YR 2010	---	---	- 3220
Jan. 31	788.91	22,580	+ 3660
Feb. 28	792.49	27,490	+ 4910
Mar. 31	789.52	23,380	- 4110
Apr. 30	790.41	24,570	+ 1190
May 31	791.20	25,680	+ 1110
Jun. 30	791.72	26,410	+ 730
Jul. 31	790.30	24,420	- 1990
Aug. 31	788.67	22,270	- 2150
Sept. 30	788.33	21,830	- 440
WTR YR 2010	---	---	+ 80

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	18,950	19,330	---	---	24,420	23,470	24,990	25,890	26,450	24,340	22,190
2	---	18,900	19,340	---	22,730	23,600	23,570	25,670	26,030	26,380	24,200	22,130
3	---	18,860	19,340	---	22,730	22,970	23,610	26,110	26,110	26,410	24,110	22,040
4	---	18,820	19,360	---	22,730	22,670	23,860	25,640	26,370	26,450	24,010	21,960
5	---	18,770	19,340	---	22,780	23,860	24,320	25,390	26,090	26,420	23,910	21,800
6	---	18,730	19,320	22,230	22,790	22,430	24,660	25,040	26,300	26,390	23,830	21,670
7	---	18,670	19,280	22,280	22,800	23,580	24,880	24,740	26,410	26,370	23,780	21,580
8	---	18,640	19,260	22,350	22,800	23,600	25,060	24,590	26,460	26,370	23,750	21,520
9	---	18,600	19,240	22,380	22,800	23,440	25,290	24,700	26,380	26,300	23,860	21,450
10	---	18,560	19,210	22,400	22,800	23,210	25,440	25,050	26,240	26,230	23,780	21,390
11	---	18,530	19,240	22,430	22,800	22,960	25,430	25,270	26,090	26,160	23,700	21,340
12	---	18,490	19,310	22,440	22,800	23,010	25,230	25,050	25,600	26,090	23,600	21,260
13	---	18,440	19,310	22,430	22,800	22,860	25,250	25,080	25,610	26,030	23,560	21,180
14	---	18,410	19,310	22,390	22,910	22,860	25,370	25,250	25,620	25,900	23,490	21,110
15	19,730	18,370	19,310	22,390	22,970	23,220	24,970	25,530	26,020	25,820	23,430	21,020
16	19,680	18,350	19,320	22,390	22,870	23,690	24,760	25,820	26,250	25,710	23,340	20,950
17	19,640	18,340	19,310	22,390	23,560	23,690	24,920	25,540	26,320	25,610	23,250	20,880
18	19,580	18,300	19,310	22,410	23,320	23,600	25,060	25,230	26,380	25,510	23,190	20,800
19	19,540	18,260	19,280	22,440	22,540	23,360	25,860	25,230	25,880	25,440	23,100	20,930
20	19,460	18,220	19,280	22,500	22,480	23,120	26,020	25,370	26,550	25,340	23,020	21,090
21	19,400	18,180	19,300	22,520	23,220	23,120	25,290	25,390	26,590	25,260	23,000	21,090
22	19,340	18,220	19,280	22,520	23,340	23,090	24,800	25,440	26,100	25,160	22,920	21,080
23	19,280	18,300	19,270	22,520	22,830	22,970	24,850	25,670	26,170	25,080	22,830	21,060
24	19,240	18,360	19,270	22,520	22,530	22,830	24,500	25,370	26,230	25,010	22,780	21,020
25	19,190	18,800	19,270	22,520	22,310	22,760	25,150	25,320	26,070	24,900	22,750	21,180
26	19,250	19,010	19,260	22,520	22,360	22,900	25,370	26,060	26,180	24,810	22,710	21,990
27	19,210	19,060	19,240	22,540	22,580	23,010	25,390	25,860	26,320	24,670	22,650	22,100
28	19,140	19,070	19,220	22,540	27,490	23,120	26,300	25,340	26,240	24,560	22,540	21,820
29	19,120	19,120	---	22,540	---	23,210	24,880	25,710	26,340	24,490	22,450	21,830
30	19,060	19,280	---	22,540	---	23,290	24,570	25,740	26,410	24,500	22,340	21,830
31	19,010	---	---	22,580	---	23,380	---	25,680	---	24,420	22,270	---
Max	---	19,280	---	---	---	24,420	26,300	26,110	26,590	26,450	24,340	22,190
Min	---	18,180	---	---	---	22,430	23,470	24,590	25,600	24,420	22,270	20,800