02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

Pearl Basin
Upper Pearl Subbasin

LOCATION.--Lat 33°01′56″, long 89°34′40″ referenced to North American Datum of 1983, in NE ¼ NE ¼ sec.33, T.14 N., R.7 E., Attala County, MS, Hydrologic Unit 03180001, Choctaw Meridian, on left bank at downstream side of bridge on State Highway 35, 2.0 mi south of Kosciusko.

DRAINAGE AREA.--303 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above 374.34 ft above NGVD of 1929, (levels by U. S. Army Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: July 26-27. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft, from information by U. S. Army Corps of Engineers.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0600	*2,700	*12.79

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.2	22	36	46	449	263	498	253	84	13	25	44
2	8.1	16	34	40	367	287	1,240	121	75	12	15	116
3	7.9	14	31	35	675	223	910	395	69	11	11	303
4	7.8	13	28	31	1,750	781	508	852	53	9.8	11	249
5	7.8	12	26	29	2,580	1,420	1,720	363	43	12	13	376
6	7.9	11	24	28	2,640	1,350	2,320	153	37	68	11	256
7	7.9	9.9	23	29	2,520	1,050	2,110	104	32	21	15	129
8	7.9	9.5	22	29	1,480	542	1,610	83	28	16	11	81
9	8.0	9.2	21	32	450	436	442	72	27	16	9.3	268
10	7.9	9.2	20	50	206	293	187	71	28	15	9.3	1,240
11	13	9.2	19	398	144	231	149	59	24	23	9.6	593
12	13	9.4	19	271	124	265	182	52	24	49	206	260
13	10	9.5	19	117	177	225	138	45	21	23	152	112
14	8.5	9.6	19	78	180	177	102	41	68	16	63	77
15	7.8	11	24	62	138	325	83	279	332	12	35	113
16	8.3	19	48	52	115	637	73	882	165	11	24	118
17	8.1	23	63	49	431	313	68	487	60	11	19	76
18	14	25	50	49	999	193	69	177	38	10	16	55
19	35	26	42	48	491	293	184	104	29	9.0	14	46
20	44	27	65	46	230	593	205	74	24	8.6	101	231
21	24	27	93	43	245	306	120	58	22	8.1	259	364
22	16	27	95	57	1,090	189	95	49	20	13	71	155
23	55	27	81	141	1,440	146	140	52	19	22	44	83
24	137	27	77	144	818	120	141	324	18	45	432	62
25	73	28	64	96	331	105	94	125	17	14	1,080	48
26	67	34	50	84	586	93	341	69	16	e12	1,180	41
27	61	49	51	86	1,170	86	984	51	16	e13	1,040	34
28	43	49	50	78	996	83	1,100	297	16	17	357	31
29	31	42	64	67	362	79	1,120	932	14	13	138	28
30	24	39	66	66	---	79	716	435	13	14	84	26
31	20	---	54	124	---	105	---	155	---	9.2	57	---
Total	793.1	643.5	1,378	2,505	23,184	11,288	17,649	7,214	1,432	546.7	5,512.2	5,615
Mean	25.6	21.4	44.5	80.8	799	364	588	233	47.7	17.6	178	187
Max	137	49	95	398	2,640	1,420	2,320	932	332	68	1,180	1,240
Min	7.8	9.2	19	28	115	79	68	41	13	8.1	9.3	26
Med	13	20	42	52	450	263	196	121	27	13	35	113
Cfsm	0.08	0.07	0.15	0.27	2.64	1.20	1.94	0.77	0.16	0.06	0.59	0.62
In.	0.10	0.08	0.17	0.31	2.85	1.39	2.17	0.89	0.18	0.07	0.68	0.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	101	264	568	827	1,003	925	779	395	172	169	74.8	85.2
Max	817	1,694	3,640	3,010	2,549	3,132	3,818	2,756	1,322	1,241	492	687
(WY)	(2007)	(1980)	(1983)	(1974)	(2006)	(1980)	(1979)	(1991)	(1997)	(1989)	(1975)	(1979)
Min	5.28	15.3	43.5	49.4	61.8	177	50.4	20.6	11.5	10.7	3.95	4.56
(WY)	(1944)	(1954)	(1944)	(1956)	(2000)	(1966)	(1967)	(1963)	(1988)	(2000)	(1943)	(1954)

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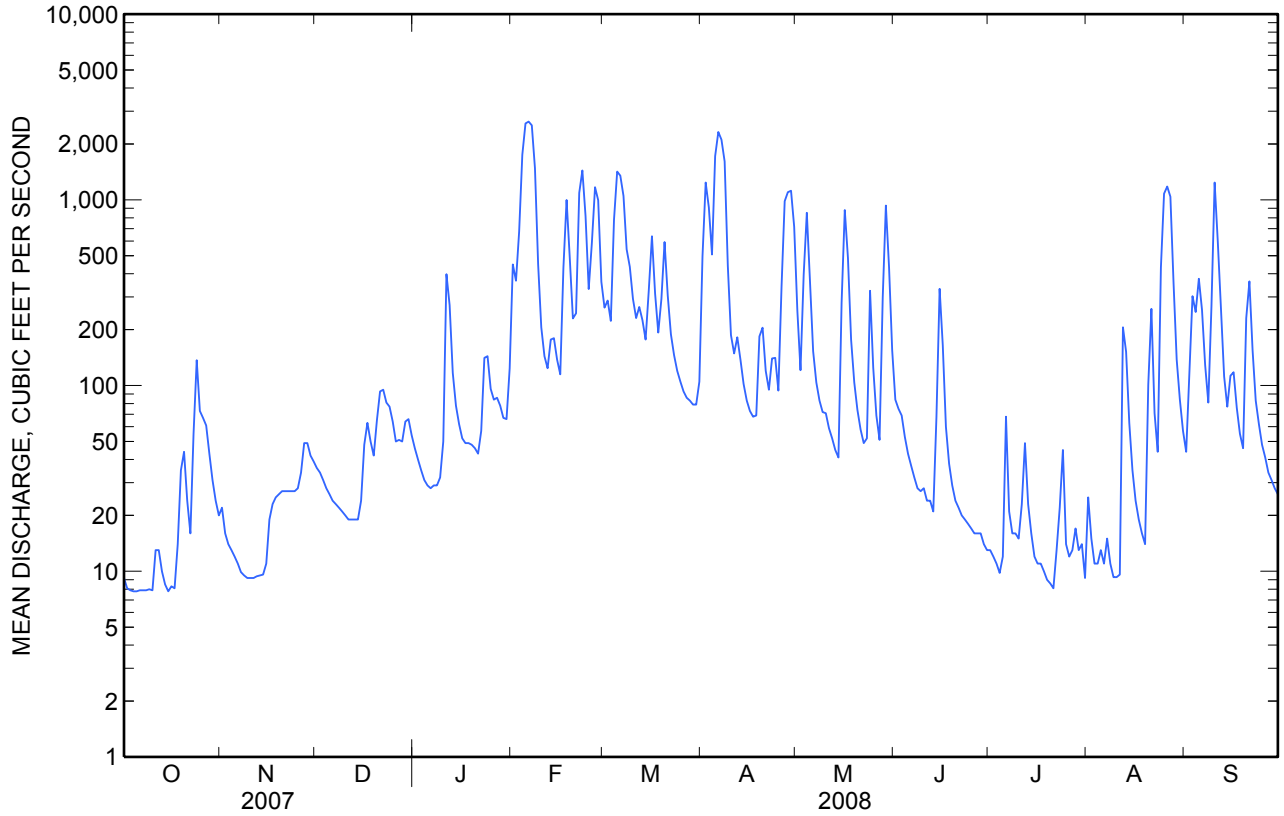
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1938 - 2008	
Annual total	74,171.8		77,760.5			
Annual mean	203		212		444	
Highest annual mean					1,217	1983
Lowest annual mean					90.6	1963
Highest daily mean	3,980	Jan 7	2,640	Feb 6	34,300	Apr 13, 1979
Lowest daily mean	5.7	Sep 12	7.8	Oct 4[a]	2.0	Oct 31, 2000
Annual seven-day minimum	6.5	Sep 6	7.9	Oct 3	2.2	Oct 28, 2000
Maximum peak flow			2,700	Feb 6	40,700	Apr 13, 1979
Maximum peak stage			12.79	Feb 6	23.06	Apr 13, 1979
Instantaneous low flow			5.9	Oct 17	2.0	Oct 29, 2000
Annual runoff (cfsm)	0.671		0.701		1.47	
Annual runoff (inches)	9.11		9.55		19.92	
10 percent exceeds	371		588		1,240	
50 percent exceeds	35		58		92	
90 percent exceeds	8.9		11		14	

[a]Also Oct. 5,15.



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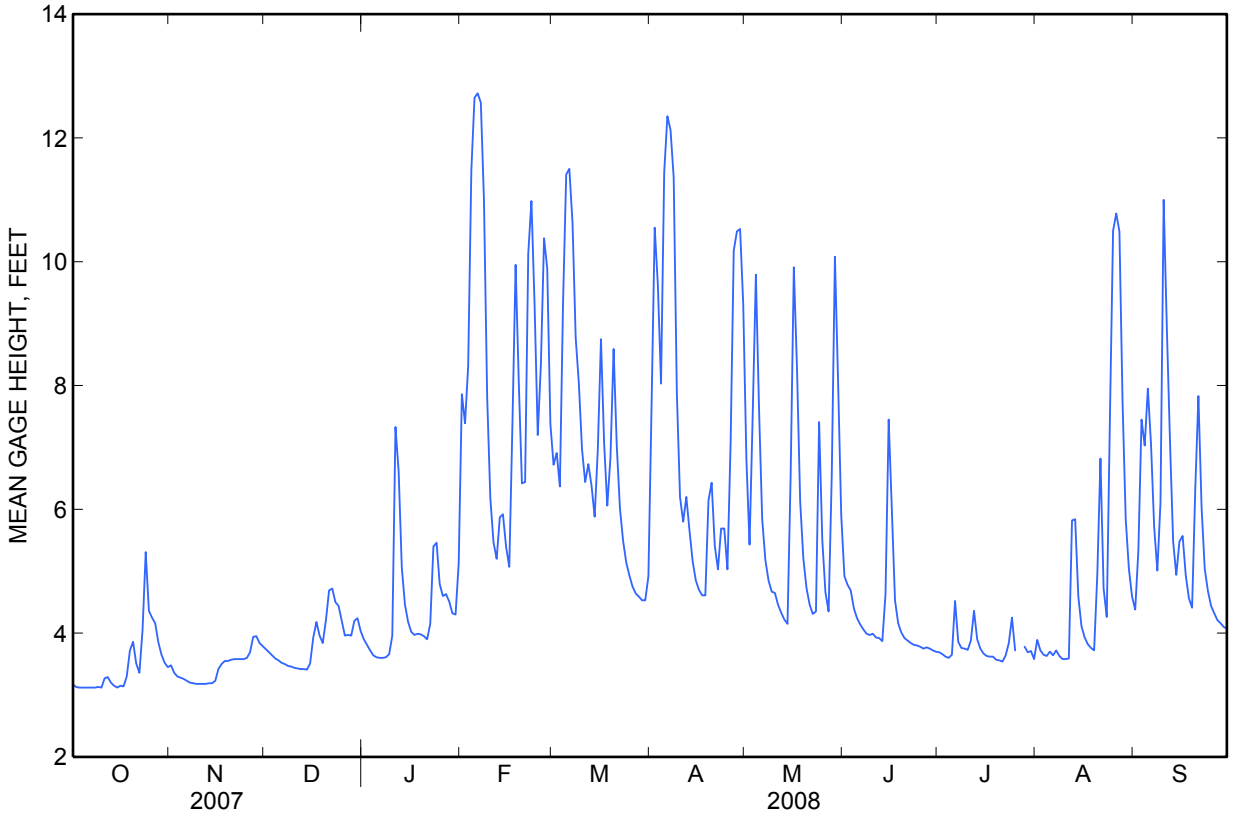
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.17	3.48	3.74	3.90	7.86	6.72	7.67	6.80	4.92	3.69	3.89	4.38
2	3.13	3.36	3.69	3.81	7.39	6.91	10.55	5.43	4.78	3.66	3.72	5.34
3	3.12	3.30	3.64	3.72	8.31	6.37	9.62	7.53	4.69	3.62	3.65	7.45
4	3.12	3.28	3.59	3.64	11.48	9.32	8.03	9.79	4.40	3.60	3.63	7.03
5	3.12	3.26	3.56	3.61	12.65	11.41	11.44	7.61	4.24	3.65	3.70	7.95
6	3.12	3.23	3.52	3.60	12.72	11.50	12.35	5.84	4.14	4.52	3.64	7.06
7	3.12	3.20	3.50	3.60	12.57	10.63	12.13	5.18	4.06	3.86	3.72	5.71
8	3.12	3.19	3.47	3.61	10.98	8.77	11.36	4.85	3.99	3.76	3.63	5.01
9	3.13	3.18	3.46	3.66	7.82	8.04	7.87	4.67	3.97	3.75	3.58	6.11
10	3.12	3.18	3.44	3.96	6.18	6.97	6.20	4.65	3.99	3.73	3.58	11.00
11	3.27	3.18	3.43	7.33	5.47	6.44	5.80	4.46	3.93	3.88	3.59	8.93
12	3.29	3.18	3.42	6.61	5.20	6.73	6.20	4.33	3.92	4.36	5.82	7.10
13	3.20	3.19	3.42	5.06	5.87	6.39	5.66	4.22	3.87	3.90	5.84	5.48
14	3.15	3.19	3.41	4.46	5.92	5.88	5.16	4.15	4.63	3.75	4.59	4.94
15	3.12	3.23	3.51	4.18	5.39	6.96	4.85	6.56	7.45	3.67	4.11	5.48
16	3.15	3.42	3.93	4.02	5.07	8.75	4.70	9.91	6.00	3.63	3.93	5.57
17	3.14	3.50	4.18	3.97	7.38	7.07	4.61	8.28	4.53	3.62	3.82	4.93
18	3.30	3.55	3.96	3.99	9.95	6.06	4.61	6.14	4.16	3.62	3.76	4.56
19	3.72	3.55	3.84	3.98	8.05	6.84	6.14	5.21	4.01	3.57	3.72	4.41
20	3.86	3.57	4.21	3.95	6.42	8.59	6.43	4.73	3.92	3.56	4.94	6.33
21	3.51	3.58	4.69	3.90	6.44	7.02	5.41	4.46	3.88	3.54	6.82	7.83
22	3.36	3.58	4.72	4.15	10.13	6.01	5.03	4.31	3.84	3.64	4.72	6.03
23	4.05	3.58	4.50	5.40	10.98	5.49	5.69	4.35	3.81	3.84	4.26	5.04
24	5.31	3.58	4.44	5.46	9.31	5.14	5.69	7.41	3.80	4.25	7.49	4.68
25	4.36	3.60	4.20	4.79	7.20	4.93	5.03	5.51	3.78	3.72	10.50	4.44
26	4.25	3.69	3.96	4.60	8.34	4.75	7.06	4.66	3.75	---	10.78	4.32
27	4.16	3.94	3.97	4.63	10.38	4.64	10.18	4.35	3.77	---	10.49	4.21
28	3.85	3.95	3.96	4.51	9.89	4.59	10.49	6.56	3.75	3.78	7.72	4.16
29	3.65	3.84	4.20	4.32	7.38	4.53	10.53	10.08	3.72	3.69	5.84	4.10
30	3.52	3.79	4.24	4.30	---	4.53	9.31	8.05	3.70	3.71	5.04	4.07
31	3.45	---	4.03	5.13	---	4.92	---	5.90	---	3.58	4.59	---
Mean	3.48	3.44	3.87	4.38	8.37	6.87	7.53	6.00	4.25	---	5.13	5.79
Max	5.31	3.95	4.72	7.33	12.72	11.50	12.35	10.08	7.45	---	10.78	11.00
Min	3.12	3.18	3.41	3.60	5.07	4.53	4.61	4.15	3.70	---	3.58	4.07

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