

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2012

April 1, 2012

The first three months in 2012 were somewhat drier than normal, but March was close to average with 1.79 inches of precipitation. All lakes were up from December 1, 2011. The biggest increase was Horseshoe Lake which was up almost a foot. Obviously the ice was off the lakes very early with Lake Jane open on Sunday, March 18.

Yearly comparisons show that Olson and Eagle Point were lower than a year ago, but the other lakes were higher. Horseshoe Lake was 3.74 feet higher than a year ago whereas Long Lake was 1.61 feet lower.

Storage values in the Project 1007 lakes showed a decrease in storage of 262 acre feet since December 1, 2011, and approximately 507 acre feet less storage than a year ago.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	937.53	-2.70	65.66
O+D	220	928.35	928.25	22.00	
Jane	160	922.35	921.80	88.00	
Eagle Pt.	130	894.00	893.73	35.10	
Elmo	274	884.10	884.31	-57.54	
Horseshoe	60	875.20	875.52	-19.20	

		Tri Lakes	Lower Lakes	Total
	8/1/10	886	940	1826
	9/1/10	913	950	1863
	10/1/10	597	594	1191
Storage	11/1/10	780	923	1703
Below	4/1/11	310	262	572
Overflow	5/1/11	-130	232	102
	6/1/11	-73	46	-27
	7/1/11	-104	-108	-212
	8/1/11	-482	-588	-1070
	9/1/11	-335	-565	-900
	10/1/11	-6	-94	-100
	10/28/11	133	-9	124
	12/1/11	213	114	327
	4/1/12	107	-42	65

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE	ELMO	HORSE-	DOWN	SILVER	Mc.	Goetschel	GRAVEL	WLSS
				POINT	POINT		SHOE	NS	LAKE	DONALD	POND	PIT	LOWER
2008													
1/1	937.49	927.47	920.97		893.58	883.75	873.74	886.63					
2/1	937.24	927.30	920.86		<893	883.70	873.54	886.09					
3/1	936.89	927.16	920.87		<893	883.67	873.22	886.35					
4/1	937.35	927.26	920.96		893.39	883.92	873.42	886.41					
5/1	939.05	928.24	921.40	891.84	894.47	884.17	875.52	886.84					
6/1	939.09	928.90	921.39	891.74	894.18	884.20	875.41	886.67					
7/1	938.07	928.75	921.34	891.60	894.15	884.14	875.41	886.43					
8/1	937.33	928.31	921.02	891.15	893.20	883.83	874.36	886.24					
9/1	936.77	927.87	920.76	890.90	<893	883.71	873.80	885.41					
10/1	936.61	927.58	920.68	890.47		883.56	873.26	885.17					
11/1	936.43	927.32	920.52	889.37		883.54	872.95	884.79					
12/1	936.41	927.08	920.52			883.58	872.78	884.75					
2009													
1/1	936.18	927.23	920.58			883.43	872.65	884.94					
2/1	935.92	926.96	920.55			883.44	872.45	884.74					
3/1	935.81	927.02	920.62			883.48	872.43	884.64					
4/1	936.82	927.13	920.73			883.58	872.58	887.91					
5/1	936.60	927.09	920.53			883.49	872.24	887.39					
6/1	936.03	926.58	920.11			882.94	871.61	886.89					
7/1	935.84	926.30	919.91			882.82	871.22	886.69					
8/1	935.48	925.91	919.61			882.58	870.71	886.06					
9/1	936.56	925.97	919.74			882.70	870.66	886.28					
10/1	935.90	925.53	919.36			882.34	870.14	885.74					
11/1	937.34	925.89	919.81			882.65	871.53	885.86					
12/1	937.12	925.45	919.76			882.69	871.04	886.04					
2010													
1/1	937.08	925.67	919.96			882.72	871.14	886.14					
2/1	936.67	925.58	919.91										
3/1	936.45	925.49	919.86										
4/1	937.35	925.50	919.90			882.66	871.05	885.85					
5/1	937.31	925.35	919.87	888.86		882.64	868.70	884.82					
6/1	937.49	925.38	919.87	888.75		882.60	868.50	884.60					
7/1	938.46	925.70	920.00	888.75		882.66	868.46	884.50					
8/1	937.62	926.05	919.91	888.54		882.62	868.46	884.37					
9/1	937.35	926.08	919.85	888.49		882.56	868.56	884.59					
10/1	938.52	926.46	920.02	888.74		882.70	868.86	884.57					
11/1	937.76	926.56	919.79	888.54		882.60	868.84	884.37					
12/1	937.74	926.52	919.79										
2011													
4/1	939.14	927.79	920.26		894.45	883.68	871.78	886.16					
5/1	940.07	929.14	920.67	889.62	894.58	883.53	872.68	885.42					
6/1	938.99	929.22	920.77	889.78	894.55	883.76	874.79	885.32					
7/1	938.77	929.30	920.99	890.00	894.76	884.04	875.63	885.22	899.10				
8/1	940.86	929.34	922.11		896.76	884.81	875.78		989.48			866.68	
9/1	939.68	929.09	922.20	890.90	896.08	885.06	875.73	887.61	989.07			866.77	862.16
10/1	937.60	928.70	921.85	890.78	894.23	884.26	875.53	887.04	988.51			865.14	860.68
10/28	937.15	928.40	921.65	890.74	893.83	884.26	874.98	887.06					858.28
12/1	937.06	928.16	921.53		893.13	884.23	874.59						
2012													
4/1	937.53	928.25	921.80		893.73	884.31	875.52						
Month diff.	0.47	0.09	0.27		0.60	0.08	0.93					-865.14	-2.40
Year Diff.	-1.61	0.46	1.54		-0.72	0.63	3.74						
Overtlow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50				865.70	861.00



Minnesota Association of Watershed Districts, Inc.

MINNESOTA CLIMATOLOGICAL NETWORK

12	03	<input checked="" type="checkbox"/> am <input type="checkbox"/> pm						8
Year	Month	Ob Time	County	Township	Range	Section		

Name Charles W. Taylor	County Name Washington	Township Name
Address 4677 Birchbark Tr. No. Lake Elmo, Minn. 55042		Telephone No. (612) 777-2979

24-HOUR AMOUNTS	At the end of each month, forward forms to Office of State Climatology Department of Natural Resources University of Minnesota, 279 North Hall St. Paul, Minnesota 55108	REMARKS: Give times and comments about events. (Temperature and Phenology Items are very useful).	Type of Gauge (Check One)	
RAIN MELTED SNOW ETC. (INS & FIFTHS)	SNOW INS & TENTHS	SNOW ON GROUND INCHES	Cyl.	Test Tube
			Wedge	Other

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0.10		1"	02	
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0.04			06	
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			24	
			25	
			26	
			27	
			28	
			29	
0.29			30	
			31	
1.79			TOTALS	

Avg. = 1.86

