

## HIGHLIGHTS

### Valley Branch Watershed – Lake Levels, 2012

May 1, 2012

April was somewhat wetter than normal with 3.26 inches of precipitation, but also a very windy and warm month. The end result was very little change in lake levels over the month. Gages were in place, which made taking lake levels much easier.

Yearly comparisons show that Long Lake was lower by 2.67 feet and Olson and DeMontreville and Eagle Point were lower by about a foot. Lake Jane, Sunfish and Horseshoe were up by 1.0, 2.16 and 2.8 feet respectively.

Storage values in the Project 1007 lakes showed an increase in storage of just 67 acre feet over the month, and an increase of storage of just 10 acre feet over the year.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	937.40	9.00	139.80
O+D	220	928.35	928.25	22.00	
Jane	160	922.35	921.67	108.80	
Eagle Pt.	130	894.00	893.60	52.00	-27.82
Elmo	274	884.10	884.33	-63.02	
Horseshoe	60	875.20	875.48	-16.80	
					111.98

		Tri Lakes	Lower Lakes	Total
	10/1/10	697	894	1591
	11/1/10	780	923	1703
	4/1/11	310	262	572
	5/1/11	-130	232	102
Storage	6/1/11	-73	46	-27
Below	7/1/11	-104	-108	-212
Overflow	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
	5/1/12	140	-28	112

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE POINT	ELMO	HORSE- SHOE	DOWN	SILVER LAKE	Mc. DONALD	Goetschel POND	GRAVEL PIT	WLSS LOWER
2008													
1/1	937.49	927.47	920.97		893.58	883.75	873.74	886.63					
2/1	937.24	927.30	920.88		<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	873.28	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	919.38			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		882.68	868.48	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		882.58	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	889.48			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	880.68	
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						
5/1	937.40	928.25	921.67	891.78	893.60	884.33	875.48	886.34				862.45	
Month diff.	-0.13	0.00	-0.13		-0.13	0.02	-0.04						
Year Diff.	-2.67	-0.89	1.00	2.16	-0.98	0.80	2.80	0.92					
Overflow	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

Year	Month	Ob Time	am pm	County	Township	Range	Section	8
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Name: Charles W. Taylor  
 Address: 4677 Birchbark Tr. No. Lake Elmo, Minn. 55042  
 County Name: Washington  
 Township Name: \_\_\_\_\_  
 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)

Cyl.	Test Tube
Wedge	Other

RAIN MELTED SNOW ETC. (INS. & FIFTHS)	SNOW INS. & TENTHS	SNOW ON GROUND INCHES	Hour	Remarks
			01	
			02	
0.47			03	
			04	
			05	
0.09			06	
			07	
			08	
			09	
			10	
			11	
			12	
			13	
0.05			14	
0.76			15	
0.69			16	
			17	
0.30			18	
0.04			19	
			20	
			21	
0.53			22	
			23	
0.02			24	
			25	
			26	
			27	
			28	
0.17			29	
0.14			30	
			31	
3.26			TOTALS	

*Avg. = 2.31*

