

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2011

December 1, 2011

November was another very dry month with just 0.37 inches of precipitation. All lakes were down with Eagle Point dropping the most, although there was some drop from the lake to the benchmark so the 0.7 foot drop is probably half that. I got good readings on all the other lakes. The Tri Lakes froze over on November 21, opened on November 23, and refroze on November 30.

Yearly comparisons were only good on the Tri Lakes since I didn't get December readings last year on the other lakes. Both Olson & DeMontreville and Lake Jane were up over a foot and a half since December 1, 2010.

Storage values in the Project 1007 lakes showed an increase in storage of 203 acre feet since last month, but approximately 1370 less storage than a year ago.

	Acres	Overflow Elev.	Level	Acre ft. Storage		Total
Long Lake	90	937.50	937.06	39.60	} 212.60	} 326.68
O+D	220	928.35	928.16	41.80		
Jane	160	922.35	921.53	131.20		
Eagle Pt.	130	894.00	893.13	113.10	} 114.08	
Elmo	274	884.10	884.23	-35.62		
Horseshoe	60	875.20	874.59	36.60		

		Tri Lakes	Lower Lakes	Total
	8/1/10	886	940	1826
	9/1/10	913	950	1863
	10/1/10	697	894	1591
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

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISHEAGLE POINT	ELMO	HORSE- SHOE	DOWN	SILVER ^X LAKE	Mc. DONALD	Goetsche 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	920.86		<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	935.80	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	868.48	884.50				
8/1	937.82	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	884.69				
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	989.06			
5/1	940.07	929.14	920.67	889.62	894.58	883.53	872.68	885.42	988.92			
6/1	938.99	929.22	920.77	889.78	894.55	883.76	874.79	885.32	989.03			
7/1	938.77	929.30	920.89	890.00	894.76	884.04	875.63	885.22	989.10			
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	889.07	866.77	862.16	
10/1	937.60	928.70	921.85	890.78	894.23	884.26	875.63	887.04	888.51	865.14	860.68	
10/28	937.15	928.40	921.85	890.74	893.83	884.26	874.98	887.06	989.25			858.28
12/1	937.06	928.16	921.53		893.13	884.23	874.59		988.11			
Month diff.	-0.09	-0.24	-0.12		-0.70	-0.03	-0.39	-0.14		-865.14	-2.40	
Year Diff.	-0.68	1.64	1.74									
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50	988.51	865.70	861.00	

*Silver Lake water level readings are not always taken on the first of the month. See Ramsey County for official readings.

Date	Silver Lake East 62-0001 (1912)
20-Jan-11	988.83
23-Feb-11	988.93
10-Mar-11	988.88
15-Apr-11	989.24
4-May-11	988.92
18-May-11	988.90
23-May-11	989.16
1-Jun-11	989.03
17-Jun-11	988.83
30-Jun-11	989.10
14-Jul-11	988.97
27-Jul-11	989.48
10-Aug-11	989.25
24-Aug-11	989.25
8-Sep-11	988.90
21-Sep-11	988.66
4-Oct-11	988.51
21-Oct-11	988.34
1-Nov-11	988.25
17-Nov-11	988.11



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	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 MELTD SNOW ETC (INS & HOURS)	SNOW ON SLOPES & ROOFS	SNOW ON GROUND INCHES			Cyl	Test Tube	Wedge	Other

			01	
			02	
			03	
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			17	
			18	
			19	
0.29		2 1/2"	20	
			21	Let the lakes freeze over
			22	
			23	The lakes opened
			24	
			25	
			26	
0.08			27	
			28	
			29	
			30	The lake re-froze
			31	
0.37			TOTALS	