

## HIGHLIGHTS

### Valley Branch Watershed – Lake Levels, 2012

September 1, 2012

Unlike previous months, August was a very dry month with only 34% of normal precipitation. Consequently, all lake levels were down, with Long Lake and Downs Lake down almost a foot. Eagle Point was too low to get a reading at the present benchmark.

Yearly comparisons show that all lakes were down, except Sunfish Lake, with Long Lake and Downs Lake down 3.36 and 2.2 feet respectively.

Storage values in the Project 1007 lakes showed an increase in storage of 398 acre feet since last month, and an increase in storage of 1302 acre feet since September 1, 2011.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	936.32	106.20	269.40
O+D	220	928.35	928.35	0.00	
Jane	160	922.35	921.33	163.20	
Eagle Pt.	130	894.00	894.04	-5.20	132.74
Elmo	274	884.10	883.89	57.54	
Horseshoe	60	875.20	873.86	80.40	

		Tri Lakes	Lower Lakes	Total
	8/1/11	-482	-588	-1070
	9/1/11	-335	-565	-900
	10/1/11	-6	-94	-100
	10/28/11	133	-9	124
Storage	12/1/11	213	114	327
Below	4/1/12	107	-42	65
Overflow	5/1/12	140	-28	112
	6/1/12	-161	-147	-308
	7/1/12	-82	-76	-158
	8/1/12	17	-13	4
	9/1/12	269	133	402

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH POINT	EAGLE	ELMO	HORSE- SHOE	DOWNS	SILVER LAKE	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	935.90	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	868.48	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		882.56	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		988.29	862.45	
5/1	937.40	928.25	921.67	891.78	893.60	884.33	875.48	886.56	988.55	865.56	857.78
6/1	938.36	929.03	921.94	892.24	894.35	884.36	875.70	886.32	989.10	865.70	861.00
7/1	937.75	928.97	921.87	892.24	894.25	884.21	875.43	886.16		864.93	
8/1	937.26	928.83	921.72	891.92	894.04	884.22	874.78	885.72			
9/1	936.32	928.35	921.33	891.68		883.89	873.86	885.41			
Month diff.	-0.94	-0.48	-0.39	-0.24		-0.33	-0.92	-0.31			
Year Diff.	-3.36	-0.74	-0.87	0.78		-1.17	-1.87	-2.20			
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50			



Minnesota Association of Watershed Districts, Inc.

MINNESOTA CLIMATOLOGICAL NETWORK

am  pm  
 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)  
 Cyl  Test Tube   
 Wedge  Other

RAIN MELTED SNOW ETC. (INS & FIFTHS)	SNOW ON GROUNDS (INCHES)	SNOW ON ROOFS (INCHES)	Hour	Remarks
			01	
			02	
			03	
0.98			04	
			05	
			06	
			07	
			08	
			09	
			10	
			11	
			12	
			13	
			14	
			15	
			16	
			17	
0.14			18	
0.07			19	
			20	
			21	
			22	
0.09			23	
			24	
			25	
0.08			26	
			27	
			28	
			29	
			30	
			31	
1.36			TOTALS	

A  
 4.04



Date	Silver Lake East 62-0001 (1912)
5-Jan-12	988.03
24-Feb-12	987.78
16-Mar-12	988.11
4-Apr-12	988.29
20-Apr-12	988.38
3-May-12	988.55
18-May-12	988.71
31-May-12	989.10
15-Jun-12	988.91
28-Jun-12	988.98
10-Jul-12	988.78
24-Jul-12	988.87
9-Aug-12	988.64
23-Aug-12	988.40
6-Sep-12	988.15

