

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2012

October 1, 2012

Similar to August, September was a very dry month with only 22% normal precipitation (0.59 inches at Lake Jane). All lakes were down between 0.44 feet and 0.75 feet. Eagle Point Lake was too low to get a reading at the present benchmark.

Yearly comparisons show that all lakes were down, except Sunfish Lake, Horseshoe Lake, Downs Lake and Long Lake were down 2.53 feet, 2.38 feet and 2.00 feet respectively.

Storage values in the Project 1007 lakes showed an increase in storage of 456 acre feet since last month, and an increase in storage of 958 acre feet since September 1, 2011.

Long Lake	90	937.50	935.60	171.00	} 553.00	} 857.90
O+D	220	928.35	927.69	145.20		
Jane	160	922.35	920.87	236.80		
Eagle Pt.	130	894.00	894.04	-5.20	} 304.90	
Elmo	274	884.10	883.45	178.10		
Horseshoe	60	875.20	873.00	132.00		

		Tri Lakes	Lower Lakes	Total
	9/1/11	-335	-565	-900
	10/1/11	-6	-94	-100
	10/28/11	133	-9	124
	12/1/11	213	114	327
Storage	4/1/12	107	-42	65
Below	5/1/12	140	-28	112
Overflow	6/1/12	-161	-147	-308
	7/1/12	-82	-76	-158
	8/1/12	17	-13	4
	9/1/12	269	133	402
	10/1/12	553	305	858

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	886.87			
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	919.98			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	868.88	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		899.48	866.68	
9/1	939.68	929.09	922.20	890.90	896.08	885.06	875.73	887.61	899.07	866.77	862.16
10/1	937.60	928.70	921.85	890.78	894.23	884.26	875.53	887.04	898.51	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	937.08	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			
10/1	935.60	927.69	920.87	891.00		883.45	873.00	884.66			
Month diff.	-0.72	-0.66	-0.46	-0.68		-0.44	-0.86	-0.75			
Year Diff.	-2.00	-1.01	-0.98	0.22		-0.81	-2.53	-2.38			
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 INS. & TENTHS	SNOW ON GROUND INCHES	Hour	Remarks
			01	
			02	
			03	
			04	
			05	
			06	
0.11			07	
			08	
			09	
			10	
			11	
0.17			12	
			13	
			14	
			15	
			16	
0.25			17	
			18	
			19	
			20	
0.03			21	
0.03			22	
			23	
			24	
			25	
			26	
			27	
			28	
			29	
			30	
0.59			31	
<b>TOTALS</b>				

Avg. = 2.69"

