

## HIGHLIGHTS

### Valley Branch Watershed – Lake Levels, 2012

August 1, 2012

July was a wet month with 5.76 inches rain (at Lake Jane), which is 143% of normal. However, it also was a very warm month. Lake Jane has been in the upper 80's all month. Most lakes were down less than a foot, except Downs. I got this number from Katie Wigan at Washington Conservation, but doubt it is correct. Horseshoe and Long Lakes were down 0.65 feet and 0.49 feet respectively.

Yearly comparisons show that all lakes were down with Long Lake and Eagle Point down 3.60 feet and 2.72 feet respectively.

Storage values in the Project 1007 lakes showed an increase in storage of 162 acre feet since last month, and an increase in storage of 1074 acre feet since August 1, 2011.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	937.26	21.60	3.92
O+D	220	928.35	928.83	-105.60	
Jane	160	922.35	921.72	100.80	
Eagle Pt.	130	894.00	894.04	-5.20	
Elmo	274	884.10	884.22	-32.88	
Horseshoe	60	875.20	874.78	25.20	

		Tri Lakes	Lower Lakes	Total
	6/1/11	-73	46	-27
	7/1/11	-104	-108	-212
	8/1/11	-482	-588	-1070
	9/1/11	-335	-565	-900
Storage	10/1/11	-6	-94	-100
Below	10/28/11	133	-9	124
Overflow	12/1/11	213	114	327
	4/1/12	107	-42	65
	5/1/12	140	-28	112
	6/1/12	-161	-147	-308
	7/1/12	-82	-76	-158
	8/1/12	17	-13	4

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	937.08	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	886.34	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	886.32		864.93	
8/1	937.26	928.83	921.72	891.92	894.04	884.22	874.78	879.34			
Month diff.	-0.49	-0.14	-0.15	-0.32	-0.21	0.01	-0.65	-6.98		-0.77	3.22
Year Diff.	-3.60	-0.51	-0.39		-2.72	-0.59	-1.00				
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

12 Year    07 Month     am  pm Ob Time    
 [ ] County    [ ] Township    [ ] Range    [ ] Section    8

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 & FORTHS)	SNOW INS & FENTHS	SNOW ON GROUND INCHES	Hour	Remarks
			01	
			02	
0.67			03	
			04	
			05	
			06	
0.30			07	
			08	
			09	
			10	
			11	
			12	
2.17			13	
0.26			14	
			15	
			16	
			17	
			18	
0.42			19	
			20	
0.10			21	
0.77			22	
			23	
0.47			24	
			25	
			26	
			27	
			28	
			29	
0.60			30	
5.76			31	
TOTALS				

Avg. = 4.04" rain

