

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2011

August 1, 2011

July's precipitation was 10.6 inches, or an astonishing 262% of average. As a result, all lakes were up with Long Lake and Eagle Point up 2.09 and 2.00 feet respectively. Eagle Point is the highest in at least 25 years. I couldn't see the gages on either Sunfish or Downs. Water is entering the upper storage area where I got the first reading since 2007.

On a yearly basis, all lakes are significantly higher. Olson & DeMontreville and Long lakes were up over three feet and Horseshoe was 7.32 feet higher than in August of 2010.

Storage values in the Project 1007 lakes showed a decrease in storage of 858 acre feet since last month and a decrease of 2896 acre feet since August 1, 2010. In fact, this is the 3rd month with negative storage values in the Project 1007 lakes.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	940.86	-302.40	-481.80
O+D	220	928.35	929.34	-217.80	
Jane	160	922.35	922.11	38.40	-1069.94
Eagle Pt.	130	894.00	896.76	-358.80	
Elmo	274	884.10	884.81	-194.54	
Horseshoe	60	875.20	875.78	-34.80	

		Tri Lakes	Lower Lakes	Total
	6/1/10	1051	943	1994
	7/1/10	873	928	1801
	8/1/10	886	940	1826
	9/1/10	913	950	1863
Storage	10/1/10	697	894	1591
Below	11/1/10	780	923	1703
Overflow	4/1/11	310	262	572
	5/1/11	-130	232	102
	6/1/11	-73	46	-27
	7/1/11	-104	-108	-212
	8/1/11	-482	-588	-1070

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH POINT	EAGLE	ELMO	HORSE- SHOE	DOWNS	CLOVER-Mc. DALE	Goetsche DONALD	GRAVEL POND	WLSS PIT	LOWER
2007													
1/1	937.13	927.69	921.31		<893	884.20	874.01	886.13	901.73		886.91	864.70	852.20
2/1	936.79	927.34	921.29		<893	884.20	874.16	886.41	901.34		887.06		
3/1	936.77	927.31	921.38		<893	884.24	874.19	886.00	901.39		886.59		
4/1	938.38	927.78	921.70		894.73	884.46	875.90	889.73	902.49			865.81	856.08
5/1	938.05	927.95	921.64	893.63	893.92	884.25	875.41	889.15	902.31		887.20	864.97	858.30
6/1	937.90	927.93	921.58	893.45	893.63	884.24	874.73	888.68	902.11		887.06	864.97	855.02
7/1	937.07	927.43	921.14	892.91	<893	883.80	873.80	887.94	901.39		886.38	864.72	852.00
8/1	936.27	926.79	920.65	892.31	<893	883.51	873.04	887.10	901.67		885.67		
9/1	936.91	926.79	920.72	892.35	<893	883.64	873.09	886.77	902.31		885.75		
10/1	937.86	926.90	920.92	892.45		883.76	873.19	886.80	902.75		885.92		
10/27	938.60	927.45	921.06	892.60	894.28	883.90	874.06	886.85	903.29		886.28		
12/1	937.63	927.07	920.86	892.29	893.64	883.60	873.50	886.73	902.69		885.94		
2008													
1/1	937.49	927.47	920.97		893.58	883.75	873.74	886.63	902.67				
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					
8/1	940.86	929.34	922.11		896.76	884.81	875.78				866.68		
Month diff.	2.09	0.04	1.12		2.00	0.77	0.15						
Year Diff.	3.24	3.29	2.20			2.19	7.32						
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50	908.50	908.50	929.50	865.70	861.00



Minnesota Association of Watershed Districts, Inc.

MINNESOTA CLIMATOLOGICAL NETWORK

11 07 am pm
 Year Month 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)	
PAIN MELTED SNOW ETC. (INS & HOURS)	SNOW INS & TENTHS	SNOW ON GROUND INCHES			Cyl.	Test Tube
		Wedge			Other	

			01	
0.14			02	
			03	
			04	
0.01			05	
0.42			06	
0.01			07	
			08	
			09	
0.73			10	
0.86			11	
			12	
			13	
0.17			14	
			15	
5.77			16	Much higher rainfall than at airport
			17	
			18	
			19	
0.21			20	
			21	
			22	
			23	
0.77			24	
			25	
			26	
0.70			27	
			28	
			29	
			30	
0.81			31	
10.66			TOTALS	