

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2011

September 1, 2011

August's precipitation was 4.85 inches (at Lake Jane) which is 12% above average. The biggest change in the last month was a 1.18 foot drop in Long Lake followed by a 0.68 foot drop in Eagle Point. Water is now a foot above overflow in the West Lakeland storage site, so water should be running to the St. Croix River.

On a yearly basis, all lakes are over two feet higher than a year ago with Horseshoe Lake 7.17 feet above September 1 2010.

Storage values in the Project 1007 lakes showed an increase of 170 acre storage since last month, but a decrease of 2491 acre feet since September 1, 2010. In fact, this is the 4<sup>th</sup> month with negative storage values in the Project 1007 lakes.

	Acres	Overflow Elev.	Level	Acre ft. Storage		Total
Long Lake	90	937.50	939.68	-196.20	}	-335.00
O+D	220	928.35	929.09	-162.80		
Jane	160	922.35	922.20	24.00	}	-900.24
Eagle Pt.	130	894.00	896.08	-270.40		
Elmo	274	884.10	885.06	-263.04	}	-565.24
Horseshoe	60	875.20	875.73	-31.80		

		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

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE	ELMO	HORSE-	DOWNS	CLOVER-	Mc.	Goetschel	GRAVEL	WLSS
				POINT			SHOE		DALE	DONALD	POND	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		887.31	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		
9/1	939.68	929.09	922.20	890.90	896.08	885.06	875.73	887.61			866.77	862.16	
Month diff.	-1.18	-0.25	0.09		-0.68	0.25	-0.05		0.00	0.00	0.00	0.09	
Year Diff.	2.33	3.01	2.35	2.41		2.50	7.17						
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	09	<input checked="" type="checkbox"/> am <input type="checkbox"/> pm						8
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)		
RAIN MELTED SNOW ETC. (INS. & FIFTHS)	SNOW ON SURF & FIFTHS	SNOW ON GROUND INCHES			Cyl	Test Tube	Other
Wedge							

			01	
0.93			02	
0.03			03	
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0.91			13	
0.02			14	
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2.77			16	
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0.06			23	
			24	
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			26	
			27	
			28	
			29	
			30	
0.13			31	

4.88 TOTALS