

HIGHLIGHTS  
 Valley Branch Watershed – Lake Levels, 2013  
 September 1, 2013

August was an extremely dry month with just 0.57 inches of precipitation (at Lake Jane), and in addition, August had above average temperatures. All lakes were down with Long Lake and Horseshoe Lake experiencing the biggest drops of 1.96 and 1.2 feet respectively. The West Lakeland storage site was down over 3.5 feet.

Yearly comparisons show all lakes are still above a year ago readings. The biggest departures are Downs Lake and Long Lake which are 3.16 feet and 1.32 feet higher than a year ago.

Storage values in the Project 1007 lakes showed an increase in storage of 520 acre feet since last month and a decrease of 330 acre feet since September 1, 2012.

	Acres	Overflow Elev.	Level	Acre ft. Storage		Total
Long Lake	90	937.50	937.64	-12.60	}	-2.80
O+D	220	928.35	928.80	-99.00		
Jane	160	922.35	921.67	108.80	}	73.44
Eagle Pt.	130	894.00	893.78	28.60		
Elmo	274	884.10	884.04	16.44		
Horseshoe	60	875.20	874.68	31.20		

		Tri Lakes	Lower Lakes	Total
	6/1/12	-161	-147	-308
	7/1/12	-82	-76	-158
Storage	8/1/12	17	-13	4
Below	9/1/12	269	133	402
Overflow	10/1/12	553	305	858
	11/1/12	628	375	1003
	12/1/12	666	512	1178
	5/1/13	85	-2	83
	6/1/13	-189	-143	-332
	7/1/13	-717	-662	-1379
	8/1/13	-306	-140	-446
	9/1/13	-3	76	73

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE POINT	ELMO	HORSE- SHOE	DOWNS	SILVER LAKE	GRAVEL PIT	WLSS LOWER
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	989.22	865.70	861.00
7/1	937.75	928.97	921.87	892.24	894.25	884.21	875.43	886.16	989.64	864.93	
8/1	937.26	928.83	921.72	891.92	894.04	884.22	874.78	885.72	988.68		
9/1	936.32	928.35	921.33	891.68	893.25	883.89	873.86	885.41			
10/1	935.60	927.69	920.87	891.00	893.21	883.65	873.00	884.66			
11/1	935.58	927.45	920.74	890.88		883.61	872.90				
12/1	935.60	927.27	920.74	890.56		883.11	872.90	884.50			
2013											
5/1	938.42	928.11	921.63		894.35		874.93				
6/1	939.20	928.92	921.79		894.27	884.37	875.77	887.44			
7/1	941.67	929.75	922.56	892.59	896.93	884.98	875.87	890.24		866.15	862.18
8/1	939.60	929.07	922.09		894.55	884.20	875.88	889.46		866.01	861.68
9/1	937.64	928.80	921.67		893.78	884.04	874.68	888.57			858.13
Month diff.	-1.96	-0.27	-0.42		-0.77	-0.16	-1.20	-0.89			-3.55
Year Diff.	1.32	0.45	0.34		0.53	0.15	0.82	3.16			
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

13	08	<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. & HDTHS)	SNOW INS. & TENTHS	SNOW ON GROUND INCHES			Cyl.	Test Tube	
					Wedge	Other	

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Avg. = 4.05

0.57

TOTALS