

HIGHLIGHTS

Valley Branch Watershed – Lake Levels
May 1
2017

April’s precipitation was slightly above average (3.01 inches at Lake Jane), versus a Minnesota average of 2.66 inches, although there was a 1.25 rainfall on May 1. I expected that the lakes would be significantly higher, but that was generally not the case.

On a yearly basis, there was also not much change, which was also a surprise. Long Lake was actually 1.8 feet lower than a year ago, while Eagle Point was 1.2 feet higher than a year ago.

Storage values in the Project 1007 lakes on May 1 showed a negative storage of 1237 acre feet. This is not an emergency, but we certainly don’t need any more rain for some time.

		Tri Lakes	Lower Lakes	Total
	6/1/15	-651	-92	-743
Storage	7/1/15	217	-92	125
Below	8/1/15	34	-92	-61
Overflow	9/1/15	-651	-587	-1238
	10/1/15	51	-103	-32
	5/1/16	-651	-587	-1238
	6/1/16	-651	-587	-559
	7/1/16	-366	-129	-495
	8/1/16	-338	-231	-569
	9/1/16	-627	-587	-1179
	10/1/16	-651	-597	-1248
	5/1/17	-651	-570	-1237

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE POINT	ELMO	HORSE- SHOE	DOWN	SILVER LAKE	GRAVEL PIT	WLSS LOWER
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	988.15		
10/1	935.60	927.69	920.87	891.00	893.21	883.65	873.00	884.66	987.75		
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		989.03		
6/1	939.20	928.92	921.79		894.27	884.37	875.77	887.44	989.22		
7/1	941.67	929.75	922.56	892.59	894.93	884.98	875.87	890.24	989.64	866.15	862.18
8/1	939.60	929.07	922.09		894.55	884.20	875.88	889.46	989.86	866.01	861.68
9/1	937.64	928.80	921.67		893.78	884.04	874.68	888.57	988.19		858.13
10/1	936.39	928.41	921.39	891.53	893.63	883.94	873.82	887.94	988.11		
11/1	936.18	928.32	921.41	891.75	893.57	884.14	873.40	887.64	988.06		
11/20	935.72	928.17	921.41	891.75	893.57	884.18	873.48	887.62			
2014											
5/1	940.52	929.18	922.11		896.02	884.60	875.54	889.51	988.41		
6/1	941.76	929.71	922.55		895.88	884.58	876.08	890.58	988.46	866.54	863.00
7/1	942.65	930.13	923.79		896.83	885.38	876.02		988.74	866.65	863.33
8/1	939.27	929.17	922.47		896.03	884.38	876.04	889.95		865.98	862.58
9/1	937.82	929.11	921.95		894.38	884.44	875.98	889.45		865.88	861.88
10/1	937.12	928.91	921.77		894.12	884.32	875.68	888.87		865.28	859.73
11/1	937.27	928.68	921.13		893.95	884.27	875.43	888.35		865.20	857.58
2015											
5/1	936.65	928.01	920.59		No read	884.30	875.43	886.67		No read	No read
6/1	937.41	928.09	920.64		No read	884.36	875.56	886.55		No read	No read
7/1	937.78	928.39	920.78			884.38	875.46	886.33		No read	No read
8/1	938.26	928.99	920.83		894.08	884.30	875.46	885.95		No read	No read
9/1	937.35	928.93	920.71		894.28	884.30	874.96	885.48		No read	No read
10/1	937.82	929.08	920.85		894.15	884.30	875.66	886.44		No read	No read
2016											
5-1	940.52	929.17	922.29		894.58	884.47	875.94	886.26			861.58
6-1	939.67	929.03	922.21		894.88	884.43	875.73	886.00			860.20
7-1	940.36	929.03	922.08		894.28	884.33	875.69	885.79			
8-1	940.22	928.97	922.08		894.78	884.43	875.85	885.76			
9-1	941.54	929.43	922.51		896.73	884.67	875.89	886.42			
10/1	941.71	929.55	922.40		896.83	884.73	875.97	886.69			862.68
2017											
5-1	938.72	929.43	922.47		895.78	884.65	875.98	887.01			
Month Diff.											
Year Diff.	-1.80	0.26	0.18		1.20	0.18	0.04	0.75			
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50			