

Little Falls Branch Salt Testing

Site*	Date	Reading	PPM	Notes	By
5	2/6/21	5.4	269	New sample location downstream of Site 4 at "new" bridge	Woody
4	2/24/21	1.8	42	Returning to background levels after snow has melted.	Woody
4	2/21/21	3.8	140	After 3 days of sleet; Reading is lower than anticipated	Woody
4	2/17/21	4.4	182	After two days of rain; flow is moderate to low; in advance of forecast snow for next two days.	Woody
4	2/14/21	8.4	618	Reading is >618; after two days of rain and sleet; flow is moderate to high	Woody
4	2/10/21	4.4	182	Taken in advance of forecast snow for next 3 days. YTD snowfall at Reagan airport is 3.2 in.	Woody
4	2/6/21	5.0	232	After snow melt and steady rain on evening of 2/5/21	Woody
4	2/3/21	8.0	610	Reading is >610; after 3-4 inches of snowfall between 1/31 and 2/2.	Woody
4	1/27/21	2.0	46	Baseline ahead of projected snowfall later this week; low flow	Woody
4	1/9/21	4.2	142	During monitoring, low flow	Frank
4	12/18/20	5.9	330	2 days after rain/snow	Frank

Site*	Date	Reading	PPM	Notes	By
4	7/19/20	4.5	180	During monitoring, low flow	Frank
4	2/29/20	3.9	140	No salting roads for weeks	Frank
4	12/31/19	22.0	53	After a few days of steady rain . (Note: this is the lowest reading I have ever had at this site).	Frank
4	10/13/19		187	At monitoring, very low water level	Frank
4	6/15/19	4.0	146	During Creek Critter event	Frank
4	4/22/19	4.8	203	During spring monitoring	Frank
4	2/21/19	7.8	646	24 hrs after 4 inch snowfall	Frank
4	1/18/19	7.4	548	No precip since 1/12-13, temp low 40's resulting in runoff of melting snow	Frank
4	12/17/18	3.6	122	Steady heavy rain 2-days	Frank
4	11/22/18	3.8	134	Water level slightly high	Frank
4	11/19/18	3.6	134	No rain for several days; creek low. Noted piles of salt in road approx. ¼ mile upstream, must have been applied in preparation for freezing rain 11/15.	Frank
4	10/13/18	3.6	122	Inch or rain 2 days ago	Frank

Site*	Date	Reading	PPM	Notes	By
4	8/30/18	3.9	140	Very dry, creek low	Frank
4	6/18/18	4.0	146	At least 5 days since last rain, creek low	Frank
4	5/8/18	4.6	186	No rain for at least 4 days	Frank
4	4/17/18	4.0	146	Very low water, no road treatment for weeks	Frank
4	3/23/18	5.2	237	Two days after 4 inch snow, roads heavily salted, water level slightly up	Frank
4	3/18/18	3.9	140	Water level low, no salting in last 10 days	Frank
4	2/22/18	4.0	146	Water level normal, no runoff or salting since 2/18	Frank
4	2/18/18	5.2	237	Day after snow and road treatment, water level normal	Frank
2	1/20/19	1.2	29	Snow melt, steady flow, approx. 2 in deep, light rain day prior.	Frank
2	12/16/18	1.4	35	Steady rain 2 days; creek 6 inches deep, forceful flow.	Frank
2	11/6/18	1.2	29	No rain for several days	Frank
2	6/23/18	3.6	122	Light rain 3 hours prior to sampling	Frank

Site*	Date	Reading	PPM	Notes	By
2	5/19/18	1.8	46		Frank
2	4/15/18	4.8	203	Low water, low flow	Frank
2	3/24/18	1.9	50	Three days after 4 inch snow	Frank
1	2/15/21	6.4	375	2 days after freezing rain and ice storm	George
1	2/4/21	5.8	299	three days after 2 inch snow	George
1	1/12/20	3.6	122	Some rain earlier in the week, and light snow that was plowed but no salt applied	George
1	2/21/19	4.4	173	Same as above	George
1	2/3/19	4.4	173	After more light snow, and warmer temps to melt the snow and ice	George
1	2/1/19	4.2	159	2 days after light snow	George
1	1/29/19	3.8	134	Beginning of snowfall prior to salting, moderate stream flow	George
1	1/15/19	5.8	299	Snow on 1/12-13, roads salted on those days	George
1	12/16/18	0.6	29	Steady rain 2 days	George

Site*	Date	Reading	PPM	Notes	By
1	11/21/18	1.0	29	No rain for several days	George
1	9/17/18	1.0	29	Immediately after short heavy rain	George
1	7/12/18	0.0	0	No rain for several days	George
1	6/4/18	2.6	75	One day after heavy rain. Sample taken in slightly different location, above storm drain discharge	George
1	4/17/18	3.6	122	2 days after heavy rain	George
1	3/27/18	3.8	134	Six days after 4 inch snow, no salting since earlier reading.	George
* Sampling locations					
Site 1:	Little Falls Branch at bridge near Somerset Pool				
Site 2:	Little Falls Branch East side of Little Falls Parkway				
Site 3	Willett branch on west side of Little Falls Parkway - not tested to date.				
Site 4	Little Falls Branch 50 meters south of bridge at Little Falls and Mass Ave.				
Site 5	Little Falls Branch south of Mass Ave by the first (new) bridge				
US EPA Salt Toxicity Levels:					
> 230 PPM	chronic				
> 860 PPM	acute				