

Appendix 6: Data Summary for Birch Lake (69-0003-00)

BIRCH LAKE (69-0003-00)

KEY

	Sulfate measurement below 10 mg/L
	Sulfate measurement above 10 mg/L
	Highlighted due to multiple samples collected on this date

wid	type	Sample Date	Station ID	Sample Fraction	Parameter	Units	Result	Sample Depth	Sample Depth Units	Detect Description	Analytic Method
69-0003-00	Lake	5/25/2011	69-0003-00-203	Total	Sulfate as SO4	mg/L	5.86	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/23/2011	69-0003-00-203	Total	Sulfate as SO4	mg/L	7.84	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/23/2011	69-0003-00-204	Total	Sulfate as SO4	mg/L	3.07	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/25/2011	69-0003-00-203	Total	Sulfate as SO4	mg/L	6.98	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/25/2011	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/25/2011	69-0003-00-203	Total	Sulfate as SO4	mg/L	8.5	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/25/2011	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/30/2011	69-0003-00-205	Total	Sulfate as SO4	mg/L	3.58	(null)	m	Determination of Inorganic Anions by Ion Chromatography	300
69-0003-00	Lake	9/26/2011	69-0003-00-203	Total	Sulfate as SO4	mg/L	8.62	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	9/26/2011	69-0003-00-204	Total	Sulfate as SO4	mg/L	3.74	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	5/16/2012	69-0003-00-203	Total	Sulfate as SO4	mg/L	13.4	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	5/16/2012	69-0003-00-204	Total	Sulfate as SO4	mg/L	4.21	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/21/2012	69-0003-00-203	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/21/2012	69-0003-00-204	Total	Sulfate as SO4	mg/L	4.65	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/18/2012	69-0003-00-203	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/18/2012	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/16/2012	69-0003-00-203	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/16/2012	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	9/10/2012	69-0003-00-205	Total	Sulfate as SO4	mg/L	0.55	0.1	m	Determination of Inorganic Anions in Drinking Water by Ion Chromatography	300.1
69-0003-00	Lake	9/10/2012	69-0003-00-205	Total	Sulfate as SO4	mg/L	8.61	(null)	m	Determination of Inorganic Anions in Drinking Water by Ion Chromatography	300.1
69-0003-00	Lake	9/18/2012	69-0003-00-203	Total	Sulfate as SO4	mg/L	7.29	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	9/18/2012	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	5/30/2013	69-0003-00-203	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	5/30/2013	69-0003-00-204	Total	Sulfate as SO4	mg/L	15.9	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/17/2013	69-0003-00-203	Total	Sulfate as SO4	mg/L	14.7	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/17/2013	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/15/2013	69-0003-00-203	Total	Sulfate as SO4	mg/L	11.6	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/15/2013	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/19/2013	69-0003-00-203	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/19/2013	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	9/16/2013	69-0003-00-203	Total	Sulfate as SO4	mg/L	5.82	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	9/16/2013	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	5/27/2014	69-0003-00-203	Total	Sulfate as SO4	mg/L	7.47	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	5/27/2014	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/19/2014	69-0003-00-203	Total	Sulfate as SO4	mg/L	6.45	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	6/19/2014	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/14/2014	69-0003-00-203	Total	Sulfate as SO4	mg/L	8.03	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	7/14/2014	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/11/2014	69-0003-00-203	Total	Sulfate as SO4	mg/L	7.91	2	m	Sulfate in Water by Turbidimeter	D516
69-0003-00	Lake	8/11/2014	69-0003-00-204	Total	Sulfate as SO4	mg/L	3	2	m	Sulfate in Water by Turbidimeter	D516

6/17/2013	14.7
7/15/2013	11.6
8/19/2013	3
9/16/2013	5.82
5/27/2014	7.47
6/19/2014	6.45
7/14/2014	8.03
8/11/2014	7.91
9/15/2014	9.98
5/18/2015	13.2
6/15/2015	12.6
7/28/2015	10.7
8/17/2015	10.2
9/21/2015	9.3
6/15/2016	7.28
7/20/2016	3.24
8/17/2016	6.77
9/21/2016	7.46
5/17/2017	32.6
6/21/2017	9.2
7/19/2017	7.62
8/16/2017	6.37
9/20/2017	6.36
5/22/2018	9.57
6/27/2018	7.43
7/24/2018	3
8/28/2018	6.29
9/18/2018	7.33

N	41
Number of Observations greater than 10 mg/L	9
Percent Observations above 10 mg/L	22%
Average	8.505
StDev	4.984
Min	3.000
Max	32.600