Appendix D

Lab data sheets

Legend:
The first two letters refer to the water body:
SK = South Fork, NK= North Fork, UT = Upper Talarik, LT= Lower Talarik
KC= Kaskanak Creek, SY= Stuyahok, GH= Groundhog Creek, RC=Rock Creek,
NW = Newhalen River, CH = Chulitna River

The first set of numbers notes main stem and tributaries of the water body
-01 = main stem -11, -21, - 31 = separate tributaries to a main creek or river

The second set of numbers refers to replicates (samples collected at a single site in a short period of time)
-01 first sample -02 second sample -03 third sample -04 fourth sample

MRL = Method Reporting Limit
MDL = Method Detection Limit

When a sample was measured as "non-detect", the mean of replicates was calculated using ½ MDL, if available, or ½ MRL.

Data analyzed by Columbia Analytical Services (CAS) labs of Kelso, WA

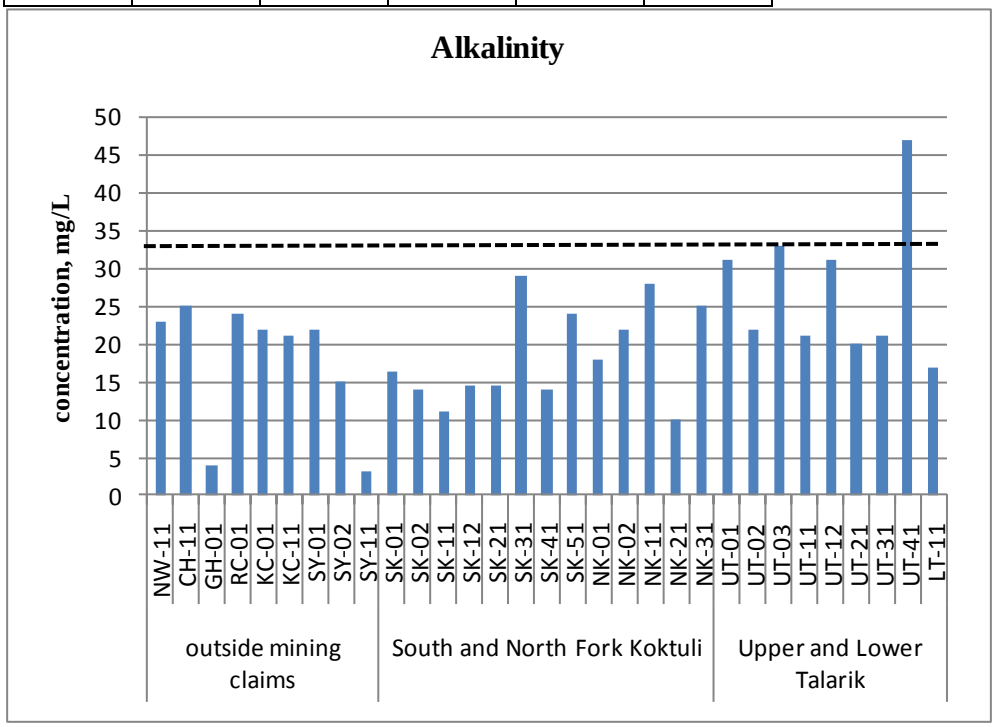
Alkalinity as $CaCO_3$, Total in mg/L ADEC recommends 20 mg/L or greater, or natural water alkalinity for aquatic life standard

Sample	Date	MRL	MDL	Result	mean of replicates
NW11-01	05/01/2009	2	1	21	21
NW11-02	05/01/2009	2	1	20	
SK-01-01	05/01/2009	2	1	16	16
SK-01-02	05/01/2009	2	1	16	
UT-11-01	05/01/2009	2	1	20	20
UT-11-02	05/01/2009	2	1	20	
KC-01-01	05/02/2009	2	1	6	5
KC-01-02	05/02/2009	2	1	4	
UT-02-01	05/02/2009	2	1	18	18
UT-02-02	05/02/2009	2	1	18	
LT-11-01	05/02/2009	2	1	14	14
LT-11-02	05/02/2009	2	1	13	
SY-11-01	05/02/2009	2	1	ND	ND
SY-11-02	05/02/2009	2	1	ND	
SK-21-01	05/02/2009	2	1	11	9
SK-21-02	05/02/2009	2	1	7	
NK-01-01	05/02/2009	2	1	9	10
NK-01-02	05/02/2009	2	1	10	
UT01-01	05/03/2009	2	1	24	20
UT01-02	05/03/2009	2	1	15	
NK-21-01	05/03/2009	2	1	11	9
NK-21-02	05/03/2009	2	1	6	
NK-11-01	05/03/2009	2	1	11	12
NK-11-02	05/03/2009	2	1	13	
CH-11-01	05/03/2009	2	1	21	22
CH-11-02	05/03/2009	2	1	22	
SK-11-01	05/04/2009	2	1	11	11
SK-11-02	05/04/2009	2	1	11	

Sample	Date	MRL	MDL	Result	mean of replicates
GH01-01	06/03/2009	2	1	4	4
NK11-01	06/04/2009	2	1	28	28
SK01-01	06/06/2009	2	1	21	17
SK01-02	06/06/2009	2	1	12	
SK12-01	06/06/2009	2	1	11	11
CH11-01	06/05/2009	2	1	25	25
CH11-02	06/05/2009	2	1	24	
UT01-01	06/05/2009	2	1	31	31
UT11-01	06/05/2009	2	1	21	21
SK31-01	06/05/2009	2	1	16	16
UT02-01	06/05/2009	2	1	22	22
NK01-01	06/06/2009	2	1	18	18
SK21-01	06/06/2009	2	1	20	20
NK31-01	06/06/2009	2	1	25	25
NK21-01	06/06/2009	2	1	11	11
SY11-01	06/07/2009	2	1	6	4
SY11-02	06/07/2009	2	1	2	
KC11-01	06/07/2009	2	1	21	21
LT11-01	06/07/2009	2	1	20	20
KC01-01	06/07/2009	2	1	21	21
KC01-02	06/07/2009	2	1	22	
SY01-01	06/07/2009	2	1	22	22
RC01-01	06/08/2009	2	1	24	24
UT21-01	06/08/2009	2	1	20	20
UT31-01	06/08/2009	2	1	21	21
NW11-01	06/08/2009	2	1	23	23

Alkalinity as $CaCO_3$, Total in mg/L ADEC recommends 20 mg/L or greater, or natural water alkalinity for aquatic life standard

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	9		34	34
KC-01-01	06/09/2010	9		25	25
NK-01-01	06/10/2010	2		18	18
NK-01-02	06/10/2010	2		18	
NK-02-01	06/07/2010	9		22	22
NK-11-01	06/07/2010	9		40	40
NW-11-01	06/09/2010	9		32	32
SK-02-01	06/08/2010	2		14	14
SK-12-01	06/09/2010	2		20	18
SK-12-02	06/09/2010	2		16	
SK-31-01	06/10/2010	9		42	42
SK-41-01	06/09/2010	2		14	14
SK-51-01	06/07/2010	9		24	24
SY-02-01	06/09/2010	2		15	15
UT-01-01	06/10/2010	2		39	39
UT-02-01	06/08/2010	9		34	34
UT-03-01	06/10/2010	9		33	33
UT-03-02	06/10/2010	9		33	
UT-11-01	06/10/2010	2		26	26
UT-12-01	06/08/2010	9		31	31
UT-41-01	06/09/2010	9		49	49
UT-41-02	06/09/2010	9		45	



Alpha, gross in pCi/L Standard = 15 pCi/L

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	1.1	1.1	0.00
SK-01-01	05/01/2009	0.98	0.98	0.39
UT-11-01	05/01/2009	0.97	0.97	0.31
KC-01-01	05/02/2009	0.97	0.97	0.93
UT-02-01	05/02/2009	0.95	0.95	0.61
LT-11-01	05/02/2009	0.98	0.98	0.92
SY-11-01	05/02/2009	0.92	0.92	0.56
SK-21-01	05/02/2009	0.91	0.91	0.23
NK-01-01	05/02/2009	0.92	0.92	0.00
UT01-01	05/03/2009	1.4	1.4	0.82
NK-21-01	05/03/2009	1.5	1.5	0.53
NK-11-01	05/03/2009	1.5	1.5	0.00
NK-11-02	05/03/2009	1.4	1.4	0.07
CH-11-01	05/03/2009	1.5	1.5	1.80
SK-11-01	05/04/2009	1.4	1.4	0.71
SK-11-02	05/04/2009	1.4	1.4	0.97

Beta, gross in pCi/L Standard = 4 millirems

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	2.8	2.8	1.70
SK-01-01	05/01/2009	2.7	2.7	0.00
UT-11-01	05/01/2009	2.6	2.6	1.40
KC-01-01	05/02/2009	2.7	2.7	2.20
UT-02-01	05/02/2009	2.6	2.6	2.50
LT-11-01	05/02/2009	2.7	2.7	1.90
SY-11-01	05/02/2009	2.7	2.7	0.38
SK-21-01	05/02/2009	2.7	2.7	0.43
NK-01-01	05/02/2009	2.6	2.6	1.10
UT01-01	05/03/2009	3.9	3.9	0.91
NK-21-01	05/03/2009	4.2	4.2	3.30
NK-11-01	05/03/2009	4.1	4.1	0.00
NK-11-02	05/03/2009	4	4	1.90
CH-11-01	05/03/2009	4	4	3.10
SK-11-01	05/04/2009	4	4	2.90
SK-11-02	05/04/2009	4	4	0.00

*Note that radionuclides analysis was not requested in 2010 samples

Aluminum, Total in ug/L Standard 87 ug/L as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	2	0.5	340	299
NW-11-02	05/01/2009	2	0.5	281	
NW-11-03	05/01/2009	2	0.5	275	
SK-01-01	05/01/2009	2	0.5	34.3	33
SK-01-02	05/01/2009	2	0.5	34.8	
SK-01-03	05/01/2009	2	0.5	31.3	
UT-11-01	05/01/2009	2	0.5	87.8	92
UT-11-02	05/01/2009	2	0.5	94.2	
UT-11-03	05/01/2009	2	0.5	94.6	
KC-01-01	05/02/2009	50	30	981	972
KC-01-02	05/02/2009	50	30	981	
KC-01-03	05/02/2009	50	30	953	
UT-02-01	05/02/2009	2	0.5	324	330
UT-02-02	05/02/2009	2	0.5	335	
UT-02-03	05/02/2009	2	0.5	331	
LT-11-01	05/02/2009	2	0.5	35	35
LT-11-02	05/02/2009	2	0.5	37.4	
LT-11-03	05/02/2009	2	0.5	33.9	
SY-11-01	05/02/2009	2	0.5	123	141
SY-11-02	05/02/2009	2	0.5	134	
SY-11-03	05/02/2009	2	0.5	165	
SK-21-01	05/02/2009	2	0.5	59.7	61
SK-21-02	05/02/2009	2	0.5	61	
SK-21-03	05/02/2009	2	0.5	61.4	
NK-01-01	05/02/2009	2	0.5	144	140
NK-01-02	05/02/2009	2	0.5	138	
NK-01-03	05/02/2009	2	0.5	138	
UT01-01	05/03/2009	2	0.5	111	105
UT01-02	05/03/2009	2	0.5	99.5	
NK-21-01	05/03/2009	2	0.5	59.9	60
NK-21-02	05/03/2009	2	0.5	59.9	
NK-11-01	05/03/2009	2	0.5	37.2	36
NK-11-02	05/03/2009	2	0.5	36.1	
NK-11-03	05/03/2009	2	0.5	35.2	
CH-11-01	05/03/2009	50	4	1070	1028
CH-11-02	05/03/2009	50	4	963	
CH-11-03	05/03/2009	50	4	1050	
NK-21-01	05/04/2009	2	0.5	48.8	49
SK-11-01	05/04/2009	50	4	484	452
SK-11-02	05/04/2009	50	4	420	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	2	0.3	46.7	47
NK11-01	06/04/2009	2	0.3	78.7	79
SK01-01	06/06/2009	2	0.3	44.6	43
SK01-02	06/06/2009	2	0.3	42.1	
SK01-03	06/06/2009	2	0.3	41.1	
SK01-04	06/06/2009	2	0.3	43.1	
SK12-01	06/06/2009	2	0.3	197	197
CH11-01	06/05/2009	2	0.3	71.3	70
CH11-02	06/05/2009	2	0.3	73.5	
CH11-03	06/05/2009	2	0.3	64.5	
CH11-04	06/05/2009	2	0.3	70.2	
UT01-01	06/05/2009	2	0.3	33.3	33
UT11-01	06/05/2009	2	0.3	60.9	61
SK31-01	06/05/2009	2	0.3	81	81
UT02-01	06/05/2009	2	0.3	73.5	74
NK01-01	06/06/2009	2	0.3	39.1	39
SK21-01	06/06/2009	2	0.3	9	9
NK31-01	06/06/2009	2	0.3	43	43
NK21-01	06/06/2009	2	0.3	37.2	37
SY11-01	06/07/2009	2	0.3	122	121
SY11-02	06/07/2009	2	0.3	121	
SY11-03	06/07/2009	2	0.3	121	
SY11-04	06/07/2009	2	0.3	120	
KC11-01	06/07/2009	2	0.3	218	218
LT11-01	06/07/2009	2	0.3	67.1	67
KC01-01	06/07/2009	2	0.3	82.3	86
KC01-02	06/07/2009	2	0.3	80.7	
KC01-03	06/07/2009	2	0.3	102	
KC01-04	06/07/2009	2	0.3	79.3	
SY01-01	06/07/2009	2	0.3	37.5	38
RC01-01	06/08/2009	2	0.3	66.2	66
UT21-01	06/08/2009	2	0.3	66.5	67
UT31-01	06/08/2009	2	0.3	21.3	21
NW11-01	06/08/2009	2	0.3	42	42

Aluminum, Total in ug/L Standard 87 ug/L as chronic aquatic life criteria

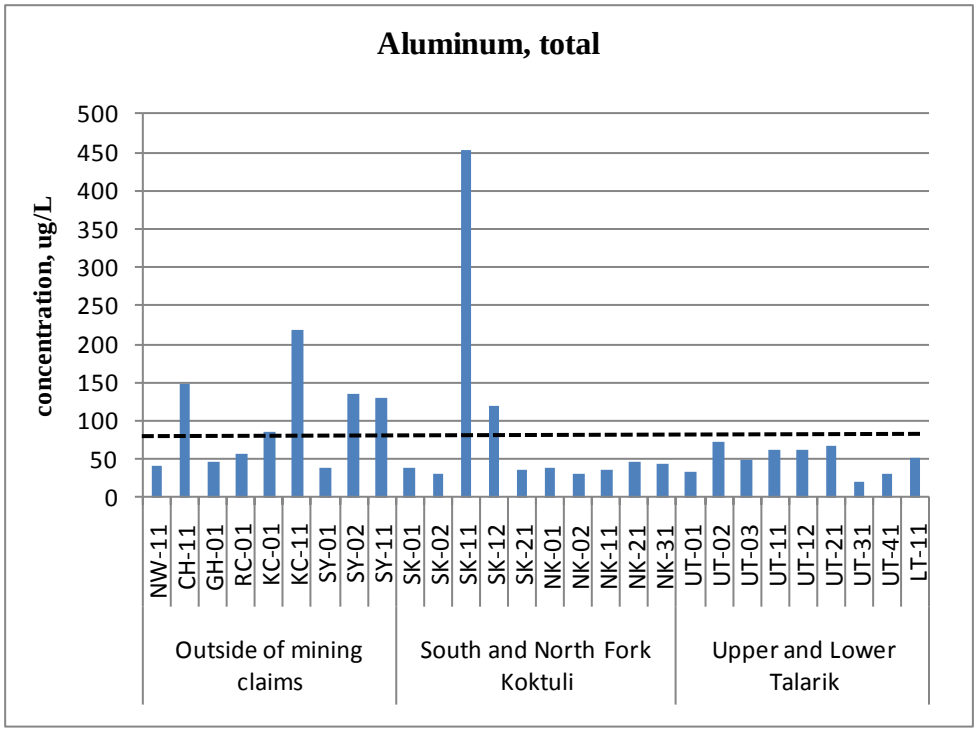
Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	2		147	147
KC-01-01	06/09/2010	2		51	51
NK-01-01	06/10/2010	2		31	31
NK-01-02	06/10/2010	2		31	
NK-01-03	06/10/2010	2		33	
NK-01-04	06/10/2010	2		30	
NK-02-01	06/07/2010	2		30	30
NK-11-01	06/07/2010	2		9	9
NW-11-01	06/09/2010	2		38	38
SK-02-01	06/08/2010	2		31	31
SK-12-01	06/09/2010	2		35	43
SK-12-02	06/09/2010	2		63	
SK-12-03	06/09/2010	2		35	
SK-12-04	06/09/2010	2		38	
SK-31-01	06/10/2010	2		31	31
SK-41-01	06/09/2010	2		18	18
SK-51-01	06/07/2010	2		52	52
SY-02-01	06/09/2010	2		136	136
UT-01-01	06/10/2010	2		17	17
UT-02-01	06/08/2010	2		28	28
UT-03-01	06/10/2010	2		46	49
UT-03-02	06/10/2010	2		51	
UT-03-03	06/10/2010	2		49	
UT-03-04	06/10/2010	2		50	
UT-11-01	06/10/2010	2		26	26
UT-12-01	06/08/2010	2		63	63
UT-41-01	06/09/2010	2		39	29
UT-41-02	06/09/2010	2		26	
UT-41-03	06/09/2010	2		27	
UT-41-04	06/09/2010	2		25	

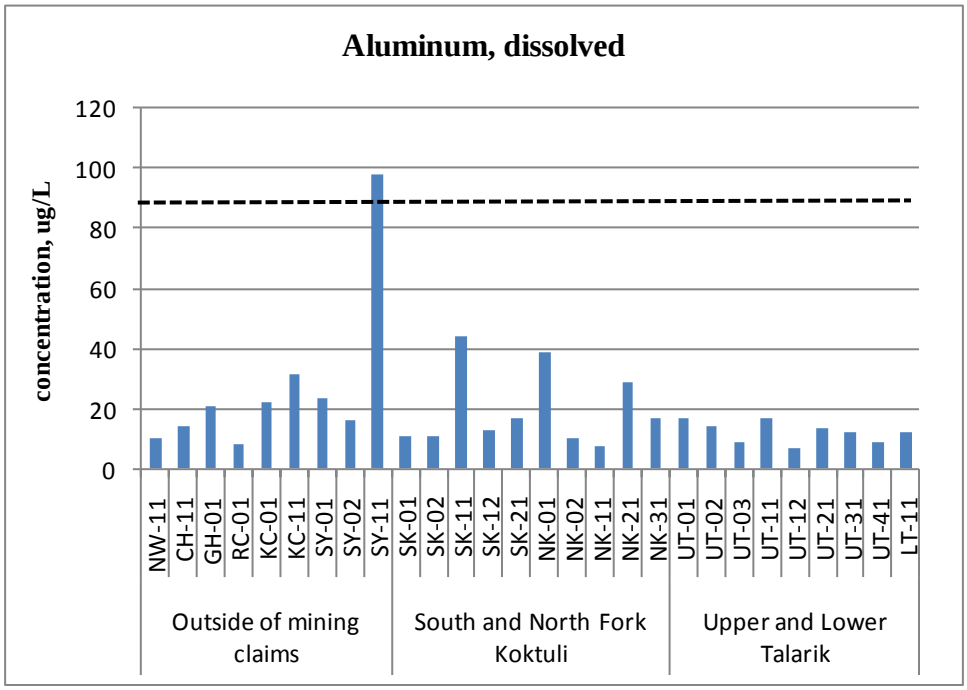
Aluminum, Dissolved in ug/L

Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	2	0.5	22.3	22
NW11-02	05/01/2009	2	0.5	21.8	
NW11-03	05/01/2009	2	0.5	21.1	
SK-01-01	05/01/2009	2	0.5	9.3	9
SK-01-02	05/01/2009	2	0.5	8.5	
SK-01-03	05/01/2009	2	0.5	9.1	
UT-11-01	05/01/2009	2	0.5	23.9	23
UT-11-02	05/01/2009	2	0.5	23	
UT-11-03	05/01/2009	2	0.5	23.3	
KC-01-01	05/02/2009	2	0.5	48.5	55
KC-01-02	05/02/2009	2	0.5	72.9	
KC-01-03	05/02/2009	2	0.5	44.2	
UT-02-01	05/02/2009	2	0.5	37.3	28
UT-02-02	05/02/2009	2	0.5	22.8	
UT-02-03	05/02/2009	2	0.5	23.6	
LT-11-01	05/02/2009	2	0.5	11.8	12
LT-11-02	05/02/2009	2	0.5	12.7	
LT-11-03	05/02/2009	2	0.5	12.5	
SY-11-01	05/02/2009	2	0.5	75.9	77
SY-11-02	05/02/2009	2	0.5	75.4	
SY-11-03	05/02/2009	2	0.5	78.9	
SK-21-01	05/02/2009	2	0.5	23.9	31
SK-21-02	05/02/2009	2	0.5	45.4	
SK-21-03	05/02/2009	2	0.5	23.9	
NK-01-01	05/02/2009	2	0.5	44.2	41
NK-01-02	05/02/2009	2	0.5	39.9	
NK-01-03	05/02/2009	2	0.5	38.8	
UT01-01	05/03/2009	2	0.5	17	17
UT01-02	05/03/2009	2	0.5	17.3	
NK-21-01	05/03/2009	2	0.5	32.6	33
NK-21-02	05/03/2009	2	0.5	32.8	
NK-11-01	05/03/2009	2	0.5	13.3	13
NK-11-02	05/03/2009	2	0.5	12.4	
NK-11-03	05/03/2009	2	0.5	14	
CH-11-01	05/03/2009	2	0.5	17.1	18
CH-11-02	05/03/2009	2	0.5	18.9	
CH-11-03	05/03/2009	2	0.5	17.5	
NK-21-01	05/04/2009	2	0.5	33.8	34
SK-11-01	05/04/2009	2	0.5	44.5	44
SK-11-02	05/04/2009	2	0.5	43.2	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	2	0.3	21	21
NK11-01	06/04/2009	2	0.3	7.5	8
SK01-01	06/06/2009	2	0.3	12.4	12
SK01-02	06/06/2009	2	0.3	12.2	
SK01-03	06/06/2009	2	0.3	12.8	
SK01-04	06/06/2009	2	0.3	12	
SK12-01	06/06/2009	2	0.3	18.9	
CH11-01	06/05/2009	2	0.3	13.9	14
CH11-02	06/05/2009	2	0.3	13.9	
CH11-03	06/05/2009	2	0.3	14.2	
CH11-04	06/05/2009	2	0.3	13.6	
UT01-01	06/05/2009	2	0.3	8.1	8
UT11-01	06/05/2009	2	0.3	16.9	17
SK31-01	06/05/2009	2	0.3	24.9	25
UT02-01	06/05/2009	2	0.3	14.1	14
NK01-01	06/06/2009	2	0.3	13.1	13
SK21-01	06/06/2009	2	0.3	3	3
NK31-01	06/06/2009	2	0.3	17.1	17
NK21-01	06/06/2009	2	0.3	25.1	25
SY11-01	06/07/2009	2	0.3	118	119
SY11-02	06/07/2009	2	0.3	119	
SY11-03	06/07/2009	2	0.3	120	
SY11-04	06/07/2009	2	0.3	120	
KC11-01	06/07/2009	2	0.3	31.7	32
LT11-01	06/07/2009	2	0.3	11.9	12
KC01-01	06/07/2009	2	0.3	20.7	22
KC01-02	06/07/2009	2	0.3	20.6	
KC01-03	06/07/2009	2	0.3	25.1	
KC01-04	06/07/2009	2	0.3	21.8	
SY01-01	06/07/2009	2	0.3	23.5	24
RC01-01	06/08/2009	2	0.3	8.5	9
UT21-01	06/08/2009	2	0.3	13.5	14
UT31-01	06/08/2009	2	0.3	12.2	12
NW11-01	06/08/2009	2	0.3	10.1	10

Sample	Date	MRL	MDL	Result	mean
CH-11-01	06/07/2010	2		10.6	10.6
KC-01-01	06/09/2010	2		16.2	16.2
NK-01-02	06/10/2010	2		12.6	13.0
NK-01-03	06/10/2010	2		13.6	
NK-01-04	06/10/2010	2		12.8	
NK-02-01	06/07/2010	2		10	10.0
NK-11-01	06/07/2010	2		2.6	2.6
NW-11-01	06/09/2010	2		8.5	8.5
SK-02-01	06/08/2010	2		11.2	11.2
SK-12-01	06/09/2010	2		7.1	7.0
SK-12-02	06/09/2010	2		6.6	
SK-12-03	06/09/2010	2		7.2	
SK-12-04	06/09/2010	2		6.9	
SK-31-01	06/10/2010	2		11.5	11.5
SK-41-01	06/09/2010	2		4.5	4.5
SK-51-01	06/07/2010	2		11.6	11.6
SY-02-01	06/09/2010	2		16.3	16.3
UT-01-01	06/10/2010	2		4	4.0
UT-02-01	06/08/2010	2		7.6	7.6
UT-03-01	06/10/2010	2		9	9.5
UT-03-02	06/10/2010	2		8.3	
UT-03-03	06/10/2010	2		8.8	
UT-03-04	06/10/2010	2		11.8	
UT-11-01	06/10/2010	2		10.1	10.1
UT-12-01	06/08/2010	2		7.4	7.4
UT-41-01	06/09/2010	2		9.2	8.8
UT-41-02	06/09/2010	2		8.5	
UT-41-03	06/09/2010	2		8.7	
UT-41-04	06/09/2010	2		8.6	


Aluminum, total
concentration, ug/L
500
450
400
350
300
250
200
150
100
50
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Aluminum, dissolved
concentration, ug/L
120
100
80
60
40
20
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

Ammonia as Nitrogen in mg/L Standard is 5.9 mg/L as chronic aquatic life criteria at pH 7, 0 ^{o}C in waters with fish

Sample	Date	MRL	MDL	Result
NW11-01	05/01/2009	0.05	0.009	ND
NW11-02	05/01/2009	0.05	0.009	ND
SK-01-01	05/01/2009	0.05	0.009	ND
SK-01-02	05/01/2009	0.05	0.009	ND
UT-11-01	05/01/2009	0.05	0.009	ND
UT-11-02	05/01/2009	0.05	0.009	ND
KC-01-01	05/02/2009	0.05	0.009	ND
KC-01-02	05/02/2009	0.05	0.009	ND
UT-02-01	05/02/2009	0.05	0.009	ND
UT-02-02	05/02/2009	0.05	0.009	ND
LT-11-01	05/02/2009	0.05	0.009	ND
LT-11-02	05/02/2009	0.05	0.009	ND
SY-11-01	05/02/2009	0.05	0.009	ND
SY-11-02	05/02/2009	0.05	0.009	ND
SK-21-01	05/02/2009	0.05	0.009	ND
SK-21-02	05/02/2009	0.05	0.009	ND
NK-01-01	05/02/2009	0.05	0.009	ND
NK-01-02	05/02/2009	0.05	0.009	ND
UT01-01	05/03/2009	0.05	0.009	ND
UT01-02	05/03/2009	0.05	0.009	0.032
NK-21-01	05/03/2009	0.05	0.009	ND
NK-21-02	05/03/2009	0.05	0.009	ND
NK-11-01	05/03/2009	0.05	0.009	0.12
NK-11-02	05/03/2009	0.05	0.009	0.12
CH-11-01	05/03/2009	0.05	0.009	ND
CH-11-02	05/03/2009	0.05	0.009	ND
SK-11-01	05/04/2009	0.05	0.009	ND
SK-11-02	05/04/2009	0.05	0.009	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	0.05	0.009	ND
NK11-01	06/04/2009	0.05	0.009	0.019
SK01-01	06/06/2009	0.05	0.009	ND
SK01-02	06/06/2009	0.05	0.009	ND
SK12-01	06/06/2009	0.05	0.009	ND
CH11-01	06/05/2009	0.05	0.009	ND
CH11-02	06/05/2009	0.05	0.009	ND
UT01-01	06/05/2009	0.05	0.009	ND
UT11-01	06/05/2009	0.05	0.009	ND
SK31-01	06/05/2009	0.05	0.009	0.02
UT02-01	06/05/2009	0.05	0.009	ND
NK01-01	06/06/2009	0.05	0.009	ND
SK21-01	06/06/2009	0.05	0.009	0.01
NK31-01	06/06/2009	0.05	0.009	ND
NK21-01	06/06/2009	0.05	0.009	ND
SY11-01	06/07/2009	0.05	0.009	ND
SY11-02	06/07/2009	0.05	0.009	0.012
KC11-01	06/07/2009	0.05	0.009	ND
LT11-01	06/07/2009	0.05	0.009	ND
KC01-01	06/07/2009	0.05	0.009	ND
KC01-02	06/07/2009	0.05	0.009	ND
SY01-01	06/07/2009	0.05	0.009	ND
RC01-01	06/08/2009	0.05	0.009	ND
UT21-01	06/08/2009	0.05	0.009	ND
UT31-01	06/08/2009	0.05	0.009	ND
NW11-01	06/08/2009	0.05	0.009	ND

(for graph, see Nitrate+nitrite pages)

Ammonia as Nitrogen in mg/L Standard is 5.9 mg/L as chronic aquatic life criteria at pH 7, 0 ^{o}C in waters with fish
Mean is shown as ½ MDL

Sample	Date	MRL	MDL	Result	Mean of replicates
CH-11-01	06/07/2010	1	0.05	ND	0.025
KC-01-01	06/09/2010	1	0.05	ND	0.025
NK-01-01	06/10/2010	1	0.05	ND	0.025
NK-01-02	06/10/2010	1	0.05	ND	
NK-02-01	06/07/2010	1	0.05	ND	0.025
NK-11-01	06/07/2010	1	0.05	ND	0.025
NW-11-01	06/09/2010	1	0.05	ND	0.025
SK-02-01	06/08/2010	1	0.05	ND	0.025
SK-12-01	06/09/2010	1	0.05	ND	0.053
SK-12-02	06/09/2010	1	0.05	0.081	
SK-31-01	06/10/2010	1	0.05	0.05	0.050
SK-41-01	06/09/2010	1	0.05	ND	0.025
SK-51-01	06/07/2010	1	0.05	ND	0.025
SY-02-01	06/09/2010	1	0.05	0.055	0.055
UT-01-01	06/10/2010	1	0.05	ND	0.025
UT-02-01	06/08/2010	1	0.05	ND	0.025
UT-03-01	06/10/2010	1	0.05	ND	0.025
UT-03-02	06/10/2010	1	0.05	ND	
UT-11-01	06/10/2010	1	0.05	ND	0.025
UT-12-01	06/08/2010	1	0.05	ND	0.025
UT-41-01	06/09/2010	1	0.05	ND	0.025
UT-41-02	06/09/2010	1	0.05	ND	

Antimony, Total in ug/L Standard is 6 ug/L as drinking water

Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.05	0.01	0.03	0.03
NW11-02	05/01/2009	0.05	0.01	0.04	
NW11-03	05/01/2009	0.05	0.01	0.02	
SK-01-01	05/01/2009	0.05	0.01	0.005	0.01
SK-01-02	05/01/2009	0.05	0.01	0.005	
SK-01-03	05/01/2009	0.05	0.01	0.005	
UT-11-01	05/01/2009	0.05	0.01	0.02	0.02
UT-11-02	05/01/2009	0.05	0.01	0.02	
UT-11-03	05/01/2009	0.05	0.01	0.02	
KC-01-01	05/02/2009	0.05	0.01	0.005	0.01
KC-01-02	05/02/2009	0.05	0.01	0.01	
KC-01-03	05/02/2009	0.05	0.01	0.01	
UT-02-01	05/02/2009	0.05	0.01	0.02	0.02
UT-02-02	05/02/2009	0.05	0.01	0.02	
UT-02-03	05/02/2009	0.05	0.01	0.02	
LT-11-01	05/02/2009	0.05	0.01	0.005	0.01
LT-11-02	05/02/2009	0.05	0.01	0.005	
LT-11-03	05/02/2009	0.05	0.01	0.005	
SY-11-01	05/02/2009	0.05	0.01	0.005	0.01
SY-11-02	05/02/2009	0.05	0.01	0.005	
SY-11-03	05/02/2009	0.05	0.01	0.005	
SK-21-01	05/02/2009	0.05	0.01	0.005	0.01
SK-21-02	05/02/2009	0.05	0.01	0.005	
SK-21-03	05/02/2009	0.05	0.01	0.005	
NK-01-01	05/02/2009	0.05	0.01	0.005	0.01
NK-01-02	05/02/2009	0.05	0.01	0.005	
NK-01-03	05/02/2009	0.05	0.01	0.005	
UT01-01	05/03/2009	0.05	0.01	0.005	0.01
UT01-02	05/03/2009	0.05	0.01	0.005	
NK-21-01	05/03/2009	0.05	0.01	0.02	0.01
NK-21-02	05/03/2009	0.05	0.01	0.005	
NK-11-01	05/03/2009	0.05	0.01	0.005	0.01
NK-11-02	05/03/2009	0.05	0.01	0.005	
NK-11-03	05/03/2009	0.05	0.01	0.005	
CH-11-01	05/03/2009	0.05	0.01	0.005	0.01
CH-11-02	05/03/2009	0.05	0.01	0.005	
CH-11-03	05/03/2009	0.05	0.01	0.005	
NK-21-01	05/04/2009	0.05	0.01	0.005	0.01
SK-11-01	05/04/2009	0.05	0.01	0.005	0.01
SK-11-02	05/04/2009	0.05	0.01	0.005	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.05	0.005	0.083	0.08
NK11-01	06/04/2009	0.05	0.005	0.027	0.03
SK01-01	06/06/2009	0.05	0.005	0.021	0.02
SK01-02	06/06/2009	0.05	0.005	0.022	
SK01-03	06/06/2009	0.05	0.005	0.02	
SK01-04	06/06/2009	0.05	0.005	0.02	
SK12-01	06/06/2009	0.05	0.005	0.024	0.02
CH11-01	06/05/2009	0.05	0.005	0.014	0.01
CH11-02	06/05/2009	0.05	0.005	0.014	
CH11-03	06/05/2009	0.05	0.005	0.01	
CH11-04	06/05/2009	0.05	0.005	0.011	
UT01-01	06/05/2009	0.05	0.005	0.041	0.04
UT11-01	06/05/2009	0.05	0.005	0.03	0.03
SK31-01	06/05/2009	0.05	0.005	0.021	0.02
UT02-01	06/05/2009	0.05	0.005	0.038	0.04
NK01-01	06/06/2009	0.05	0.005	0.013	0.01
SK21-01	06/06/2009	0.05	0.005	0.026	0.03
NK31-01	06/06/2009	0.05	0.005	0.014	0.01
NK21-01	06/06/2009	0.05	0.005	0.008	0.01
SY11-01	06/07/2009	0.05	0.005	0.016	0.01
SY11-02	06/07/2009	0.05	0.005	0.016	
SY11-03	06/07/2009	0.05	0.005	0.0025	
SY11-04	06/07/2009	0.05	0.005	0.006	
KC11-01	06/07/2009	0.05	0.005	0.016	0.02
LT11-01	06/07/2009	0.05	0.005	0.028	0.03
KC01-01	06/07/2009	0.05	0.005	0.03	0.03
KC01-02	06/07/2009	0.05	0.005	0.028	
KC01-03	06/07/2009	0.05	0.005	0.029	
KC01-04	06/07/2009	0.05	0.005	0.027	
SY01-01	06/07/2009	0.05	0.005	0.042	0.04
RC01-01	06/08/2009	0.05	0.005	0.03	0.03
UT21-01	06/08/2009	0.05	0.005	0.034	0.03
UT31-01	06/08/2009	0.05	0.005	0.02	0.02
NW11-01	06/08/2009	0.05	0.005	0.035	0.04

Antimony, Total in ug/L Standard is 6 ug/L as drinking water

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.05		0.005	0.005
KC-01-01	06/09/2010	0.05		0.04	0.040
NK-01-01	06/10/2010	0.05		0.005	0.005
NK-01-02	06/10/2010	0.05		0.005	
NK-01-03	06/10/2010	0.05		0.005	
NK-01-04	06/10/2010	0.05		0.005	
NK-02-01	06/07/2010	0.05		0.005	0.005
NK-11-01	06/07/2010	0.05		0.005	0.005
NW-11-01	06/09/2010	0.05		0.05	0.050
SK-02-01	06/08/2010	0.05		0.005	0.005
SK-12-01	06/09/2010	0.05		0.03	0.021
SK-12-02	06/09/2010	0.05		0.03	
SK-12-03	06/09/2010	0.05		0.02	
SK-12-04	06/09/2010	0.05		0.005	
SK-31-01	06/10/2010	0.05		0.005	0.005
SK-41-01	06/09/2010	0.05		0.005	0.005
SK-51-01	06/07/2010	0.05		0.005	0.005
SY-02-01	06/09/2010	0.05		0.03	0.030
UT-01-01	06/10/2010	0.05		0.005	0.005
UT-02-01	06/08/2010	0.05		0.005	0.005
UT-03-01	06/10/2010	0.05		0.005	0.005
UT-03-02	06/10/2010	0.05		0.005	
UT-03-03	06/10/2010	0.05		0.005	
UT-03-04	06/10/2010	0.05		0.005	
UT-11-01	06/10/2010	0.05		0.005	0.005
UT-12-01	06/08/2010	0.05		0.005	0.005
UT-41-01	06/09/2010	0.05		0.09	0.093
UT-41-02	06/09/2010	0.05		0.09	
UT-41-03	06/09/2010	0.05		0.09	
UT-41-04	06/09/2010	0.05		0.1	

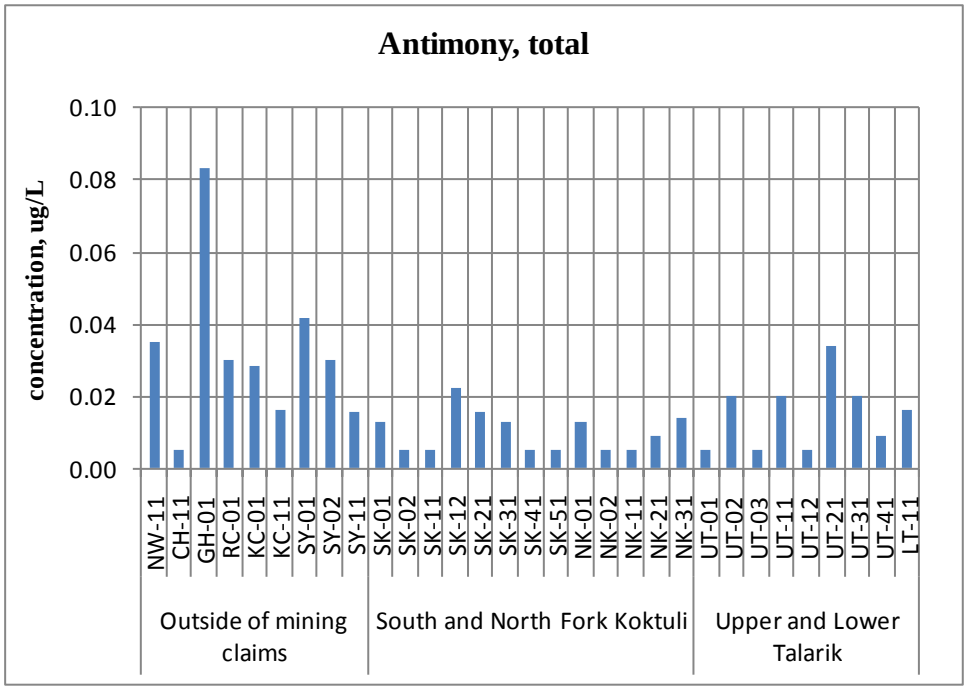
Antimony, Dissolved in ug/L

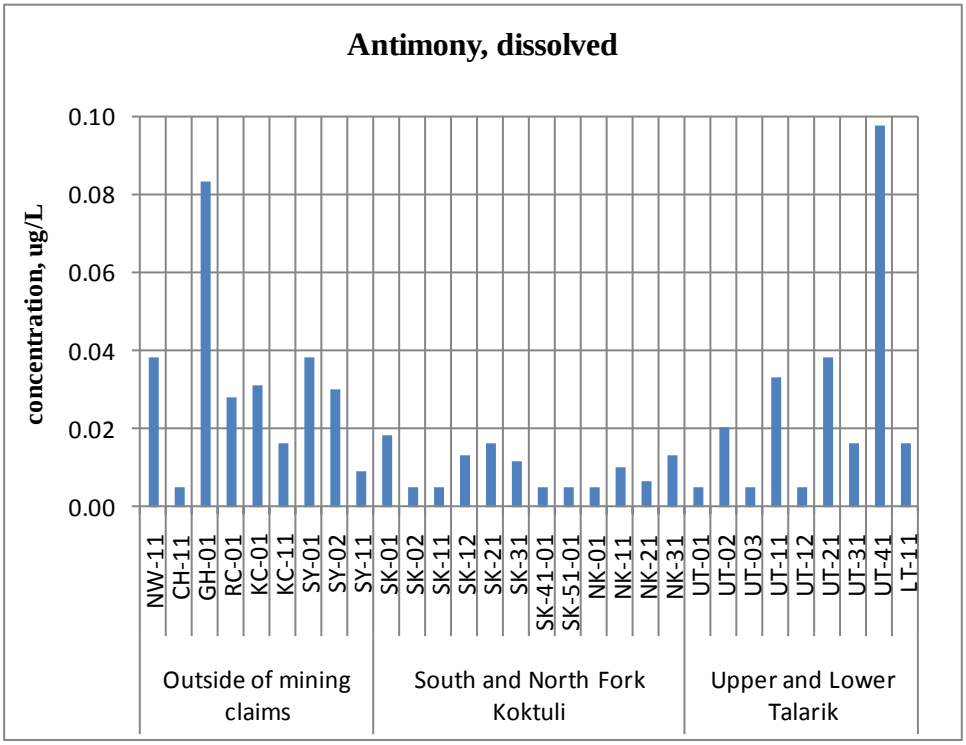
Sample	Date	MRL	MDL	Result
NW11-01	05/01/2009	0.05	0.01	0.02
NW11-02	05/01/2009	0.05	0.01	0.02
NW11-03	05/01/2009	0.05	0.01	0.01
SK-01-01	05/01/2009	0.05	0.01	ND
SK-01-02	05/01/2009	0.05	0.01	0.02
SK-01-03	05/01/2009	0.05	0.01	0.02
UT-11-01	05/01/2009	0.05	0.01	0.03
UT-11-02	05/01/2009	0.05	0.01	0.03
UT-11-03	05/01/2009	0.05	0.01	0.03
KC-01-01	05/02/2009	0.05	0.01	ND
KC-01-02	05/02/2009	0.05	0.01	ND
KC-01-03	05/02/2009	0.05	0.01	ND
UT-02-01	05/02/2009	0.05	0.01	0.02
UT-02-02	05/02/2009	0.05	0.01	0.02
UT-02-03	05/02/2009	0.05	0.01	0.02
LT-11-01	05/02/2009	0.05	0.01	ND
LT-11-02	05/02/2009	0.05	0.01	ND
LT-11-03	05/02/2009	0.05	0.01	ND
SY-11-01	05/02/2009	0.05	0.01	ND
SY-11-02	05/02/2009	0.05	0.01	ND
SY-11-03	05/02/2009	0.05	0.01	ND
SK-21-01	05/02/2009	0.05	0.01	ND
SK-21-02	05/02/2009	0.05	0.01	ND
SK-21-03	05/02/2009	0.05	0.01	ND
NK-01-01	05/02/2009	0.05	0.01	ND
NK-01-02	05/02/2009	0.05	0.01	ND
NK-01-03	05/02/2009	0.05	0.01	ND
UT01-01	05/03/2009	0.05	0.01	0.02
UT01-02	05/03/2009	0.05	0.01	ND
NK-21-01	05/03/2009	0.05	0.01	ND
NK-21-02	05/03/2009	0.05	0.01	ND
NK-11-01	05/03/2009	0.05	0.01	ND
NK-11-02	05/03/2009	0.05	0.01	ND
NK-11-03	05/03/2009	0.05	0.01	0.02
CH-11-01	05/03/2009	0.05	0.01	ND
CH-11-02	05/03/2009	0.05	0.01	ND
CH-11-03	05/03/2009	0.05	0.01	ND
NK-21-01	05/04/2009	0.05	0.01	ND
SK-11-01	05/04/2009	0.05	0.01	ND
SK-11-02	05/04/2009	0.05	0.01	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	0.05	0.005	0.06
NK11-01	06/04/2009	0.05	0.005	0.023
SK01-01	06/06/2009	0.05	0.005	0.019
SK01-02	06/06/2009	0.05	0.005	0.026
SK01-03	06/06/2009	0.05	0.005	0.018
SK01-04	06/06/2009	0.05	0.005	0.021
SK12-01	06/06/2009	0.05	0.005	0.014
CH11-01	06/05/2009	0.05	0.005	0.013
CH11-02	06/05/2009	0.05	0.005	0.013
CH11-03	06/05/2009	0.05	0.005	0.011
CH11-04	06/05/2009	0.05	0.005	0.013
UT01-01	06/05/2009	0.05	0.005	0.021
UT11-01	06/05/2009	0.05	0.005	0.033
SK31-01	06/05/2009	0.05	0.005	0.018
UT02-01	06/05/2009	0.05	0.005	0.035
NK01-01	06/06/2009	0.05	0.005	0.009
SK21-01	06/06/2009	0.05	0.005	0.027
NK31-01	06/06/2009	0.05	0.005	0.013
NK21-01	06/06/2009	0.05	0.005	0.008
SY11-01	06/07/2009	0.05	0.005	0.017
SY11-02	06/07/2009	0.05	0.005	0.021
SY11-03	06/07/2009	0.05	0.005	0.008
SY11-04	06/07/2009	0.05	0.005	0.006
KC11-01	06/07/2009	0.05	0.005	0.016
LT11-01	06/07/2009	0.05	0.005	0.027
KC01-01	06/07/2009	0.05	0.005	0.031
KC01-02	06/07/2009	0.05	0.005	0.027
KC01-03	06/07/2009	0.05	0.005	0.033
KC01-04	06/07/2009	0.05	0.005	0.032
SY01-01	06/07/2009	0.05	0.005	0.038
RC01-01	06/08/2009	0.05	0.005	0.028
UT21-01	06/08/2009	0.05	0.005	0.038
UT31-01	06/08/2009	0.05	0.005	0.016
NW11-01	06/08/2009	0.05	0.005	0.038

Antimony, Dissolved in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.05		0.005	0.005
KC-01-01	06/09/2010	0.05		0.04	0.040
NK-01-01	06/10/2010	0.05		0.005	0.005
NK-01-02	06/10/2010	0.05		0.005	
NK-01-03	06/10/2010	0.05		0.005	
NK-01-04	06/10/2010	0.05		0.005	
NK-02-01	06/07/2010	0.05		0.005	0.005
NK-11-01	06/07/2010	0.05		0.005	0.005
NW-11-01	06/09/2010	0.05		0.05	0.050
SK-02-01	06/08/2010	0.05		0.005	0.005
SK-12-01	06/09/2010	0.05		0.02	0.013
SK-12-02	06/09/2010	0.05		0.02	
SK-12-03	06/09/2010	0.05		0.005	
SK-12-04	06/09/2010	0.05		0.005	
SK-31-01	06/10/2010	0.05		0.005	0.005
SK-41-01	06/09/2010	0.05		0.005	0.005
SK-51-01	06/07/2010	0.05		0.005	0.005
SY-02-01	06/09/2010	0.05		0.03	0.030
UT-01-01	06/10/2010	0.05		0.005	0.005
UT-02-01	06/08/2010	0.05		0.005	0.005
UT-03-01	06/10/2010	0.05		0.005	0.005
UT-03-02	06/10/2010	0.05		0.005	
UT-03-03	06/10/2010	0.05		0.005	
UT-03-04	06/10/2010	0.05		0.005	
UT-11-01	06/10/2010	0.05		0.05	0.050
UT-12-01	06/08/2010	0.05		0.005	0.005
UT-41-01	06/09/2010	0.05		0.1	0.098
UT-41-02	06/09/2010	0.05		0.1	
UT-41-03	06/09/2010	0.05		0.09	
UT-41-04	06/09/2010	0.05		0.1	


Antimony, total
concentration, ug/L
0.10
0.08
0.06
0.04
0.02
0.00
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Antimony, dissolved
concentration, ug/L
0.10
0.08
0.06
0.04
0.02
0.00
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41-01
SK-51-01
NK-01
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

Arsenic, Total in ug/L Relevant Standard is 10 ug/L as drinking water

Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.5	0.2	1.7	1.7
NW11-02	05/01/2009	0.5	0.2	1.6	
NW11-03	05/01/2009	0.5	0.2	1.7	
SK-01-01	05/01/2009	0.5	0.2	0.2	0.2
SK-01-02	05/01/2009	0.5	0.2	ND	
SK-01-03	05/01/2009	0.5	0.2	ND	
UT-11-01	05/01/2009	0.5	0.2	2.5	2.5
UT-11-02	05/01/2009	0.5	0.2	2.6	
UT-11-03	05/01/2009	0.5	0.2	2.5	
KC-01-01	05/02/2009	0.5	0.2	2.1	2.1
KC-01-02	05/02/2009	0.5	0.2	2.1	
KC-01-03	05/02/2009	0.5	0.2	2.2	
UT-02-01	05/02/2009	0.5	0.2	1.3	1.3
UT-02-02	05/02/2009	0.5	0.2	1.3	
UT-02-03	05/02/2009	0.5	0.2	1.3	
LT-11-01	05/02/2009	0.5	0.2	0.4	0.4
LT-11-02	05/02/2009	0.5	0.2	0.4	
LT-11-03	05/02/2009	0.5	0.2	0.4	
SY-11-01	05/02/2009	0.5	0.2	ND	ND
SY-11-02	05/02/2009	0.5	0.2	ND	
SY-11-03	05/02/2009	0.5	0.2	ND	
SK-21-01	05/02/2009	0.5	0.2	0.3	0.3
SK-21-02	05/02/2009	0.5	0.2	0.3	
SK-21-03	05/02/2009	0.5	0.2	0.3	
NK-01-01	05/02/2009	0.5	0.2	0.3	0.2
NK-01-02	05/02/2009	0.5	0.2	0.2	
NK-01-03	05/02/2009	0.5	0.2	0.2	
UT01-01	05/03/2009	0.5	0.2	ND	ND
UT01-02	05/03/2009	0.5	0.2	ND	
NK-21-01	05/03/2009	0.5	0.2	ND	ND
NK-21-02	05/03/2009	0.5	0.2	ND	
NK-11-01	05/03/2009	0.5	0.2	0.4	0.4
NK-11-02	05/03/2009	0.5	0.2	0.4	
NK-11-03	05/03/2009	0.5	0.2	0.4	
CH-11-01	05/03/2009	0.5	0.2	1.2	1.2
CH-11-02	05/03/2009	0.5	0.2	1.2	
CH-11-03	05/03/2009	0.5	0.2	1.1	
NK-21-01	05/04/2009	0.5	0.2	ND	ND
SK-11-01	05/04/2009	0.5	0.2	0.4	0.4
SK-11-02	05/04/2009	0.5	0.2	0.3	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.5	0.1	0.4	0.4
NK11-01	06/04/2009	0.5	0.1	0.3	0.3
SK01-01	06/06/2009	0.5	0.1	0.2	0.2
SK01-02	06/06/2009	0.5	0.1	0.2	
SK01-03	06/06/2009	0.5	0.1	0.2	
SK01-04	06/06/2009	0.5	0.1	0.2	
SK12-01	06/06/2009	0.5	0.1	0.2	0.2
CH11-01	06/05/2009	0.5	0.1	0.5	0.5
CH11-02	06/05/2009	0.5	0.1	0.5	
CH11-03	06/05/2009	0.5	0.1	0.5	
CH11-04	06/05/2009	0.5	0.1	0.5	
UT01-01	06/05/2009	0.5	0.1	ND	ND
UT11-01	06/05/2009	0.5	0.1	1.4	1.4
SK31-01	06/05/2009	0.5	0.1	0.3	0.3
UT02-01	06/05/2009	0.5	0.1	0.9	0.9
NK01-01	06/06/2009	0.5	0.1	0.2	0.2
SK21-01	06/06/2009	0.5	0.1	0.4	0.4
NK31-01	06/06/2009	0.5	0.1	0.4	0.4
NK21-01	06/06/2009	0.5	0.1	ND	ND
SY11-01	06/07/2009	0.5	0.1	ND	0.1
SY11-02	06/07/2009	0.5	0.1	0.1	
SY11-03	06/07/2009	0.5	0.1	ND	
SY11-04	06/07/2009	0.5	0.1	ND	
KC11-01	06/07/2009	0.5	0.1	0.6	0.6
LT11-01	06/07/2009	0.5	0.1	0.6	0.6
KC01-01	06/07/2009	0.5	0.1	1.9	1.8
KC01-02	06/07/2009	0.5	0.1	1.8	
KC01-03	06/07/2009	0.5	0.1	1.8	
KC01-04	06/07/2009	0.5	0.1	1.7	
SY01-01	06/07/2009	0.5	0.1	2.2	2.2
RC01-01	06/08/2009	0.5	0.1	0.5	0.5
UT21-01	06/08/2009	0.5	0.1	0.5	0.5
UT31-01	06/08/2009	0.5	0.1	0.2	0.2
NW11-01	06/08/2009	0.5	0.1	1.4	1.4

Arsenic, Total, in ug/L
mean is listed as ½ MRL when concentration is non-detect

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.5		0.8	0.8
KC-01-01	06/09/2010	0.5		1.9	1.9
NK-01-01	06/10/2010	0.5		ND	
NK-01-02	06/10/2010	0.5		ND	0.25
NK-01-03	06/10/2010	0.5		ND	
NK-01-04	06/10/2010	0.5		ND	
NK-02-01	06/07/2010	0.5		ND	0.25
NK-11-01	06/07/2010	0.5		ND	0.25
NW-11-01	06/09/2010	0.5		1.5	1.5
SK-02-01	06/08/2010	0.5		ND	0.25
SK-12-01	06/09/2010	0.5		0.1	0.15
SK-12-02	06/09/2010	0.5		0.1	
SK-12-03	06/09/2010	0.5		0.2	
SK-12-04	06/09/2010	0.5		0.2	
SK-31-01	06/10/2010	0.5		ND	0.25
SK-41-01	06/09/2010	0.5		0.2	0.2
SK-51-01	06/07/2010	0.5		ND	0.25
SY-02-01	06/09/2010	0.5		2.3	2.3
UT-01-01	06/10/2010	0.5		ND	0.25
UT-02-01	06/08/2010	0.5		1.4	1.4
UT-03-01	06/10/2010	0.5		1.1	1.05
UT-03-02	06/10/2010	0.5		1	
UT-03-03	06/10/2010	0.5		1.1	
UT-03-04	06/10/2010	0.5		1	
UT-11-01	06/10/2010	0.5		3.6	3.6
UT-12-01	06/08/2010	0.5		2.4	2.40
UT-41-01	06/09/2010	0.5		4	3.9
UT-41-02	06/09/2010	0.5		3.9	
UT-41-03	06/09/2010	0.5		4	
UT-41-04	06/09/2010	0.5		3.8	

Arsenic, Dissolved in ug/L

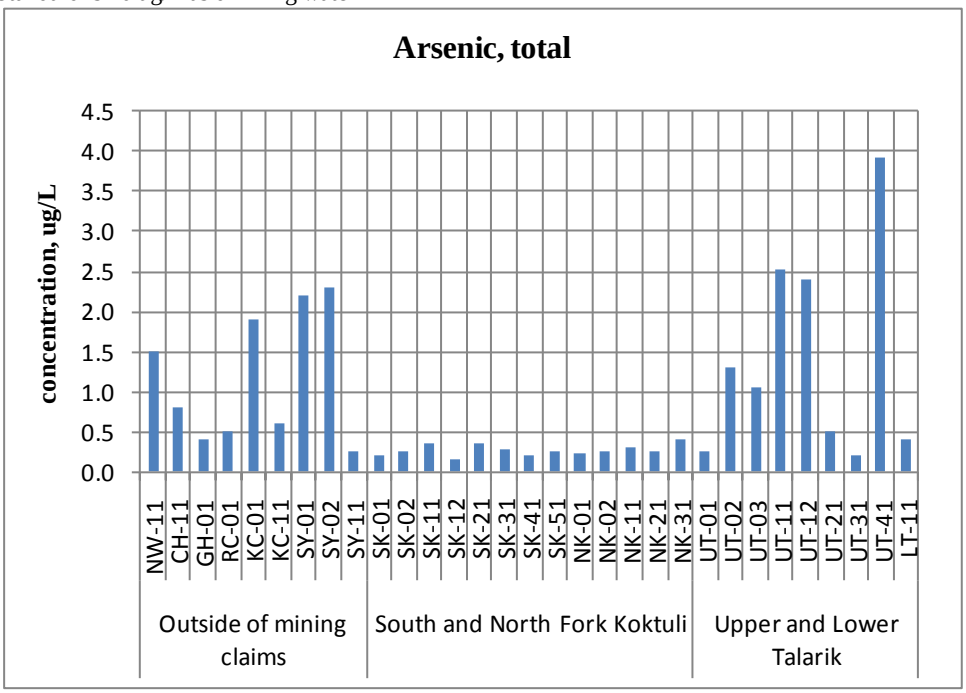
Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.5	0.2	0.8	0.8
NW11-02	05/01/2009	0.5	0.2	0.8	
NW11-03	05/01/2009	0.5	0.2	0.7	
SK-01-01	05/01/2009	0.5	0.2	ND	0.2
SK-01-02	05/01/2009	0.5	0.2	0.2	
SK-01-03	05/01/2009	0.5	0.2	ND	
UT-11-01	05/01/2009	0.5	0.2	2	2.0
UT-11-02	05/01/2009	0.5	0.2	2	
UT-11-03	05/01/2009	0.5	0.2	2	
KC-01-01	05/02/2009	0.5	0.2	0.7	0.7
KC-01-02	05/02/2009	0.5	0.2	0.7	
KC-01-03	05/02/2009	0.5	0.2	0.7	
UT-02-01	05/02/2009	0.5	0.2	0.7	0.7
UT-02-02	05/02/2009	0.5	0.2	0.7	
UT-02-03	05/02/2009	0.5	0.2	0.7	
LT-11-01	05/02/2009	0.5	0.2	0.3	0.3
LT-11-02	05/02/2009	0.5	0.2	0.4	
LT-11-03	05/02/2009	0.5	0.2	0.3	
SY-11-01	05/02/2009	0.5	0.2	ND	ND
SY-11-02	05/02/2009	0.5	0.2	ND	
SY-11-03	05/02/2009	0.5	0.2	ND	
SK-21-01	05/02/2009	0.5	0.2	0.2	0.3
SK-21-02	05/02/2009	0.5	0.2	0.3	
SK-21-03	05/02/2009	0.5	0.2	0.3	
NK-01-01	05/02/2009	0.5	0.2	0.2	0.2
NK-01-02	05/02/2009	0.5	0.2	ND	
NK-01-03	05/02/2009	0.5	0.2	ND	
UT01-01	05/03/2009	0.5	0.2	ND	ND
UT01-02	05/03/2009	0.5	0.2	ND	
NK-21-01	05/03/2009	0.5	0.2	ND	ND
NK-21-02	05/03/2009	0.5	0.2	ND	
NK-11-01	05/03/2009	0.5	0.2	0.4	0.4
NK-11-02	05/03/2009	0.5	0.2	0.4	
NK-11-03	05/03/2009	0.5	0.2	0.4	
CH-11-01	05/03/2009	0.5	0.2	0.4	0.4
CH-11-02	05/03/2009	0.5	0.2	0.4	
CH-11-03	05/03/2009	0.5	0.2	0.4	
NK-21-01	05/04/2009	0.5	0.2	ND	ND
SK-11-01	05/04/2009	0.5	0.2	ND	ND
SK-11-02	05/04/2009	0.5	0.2	ND	

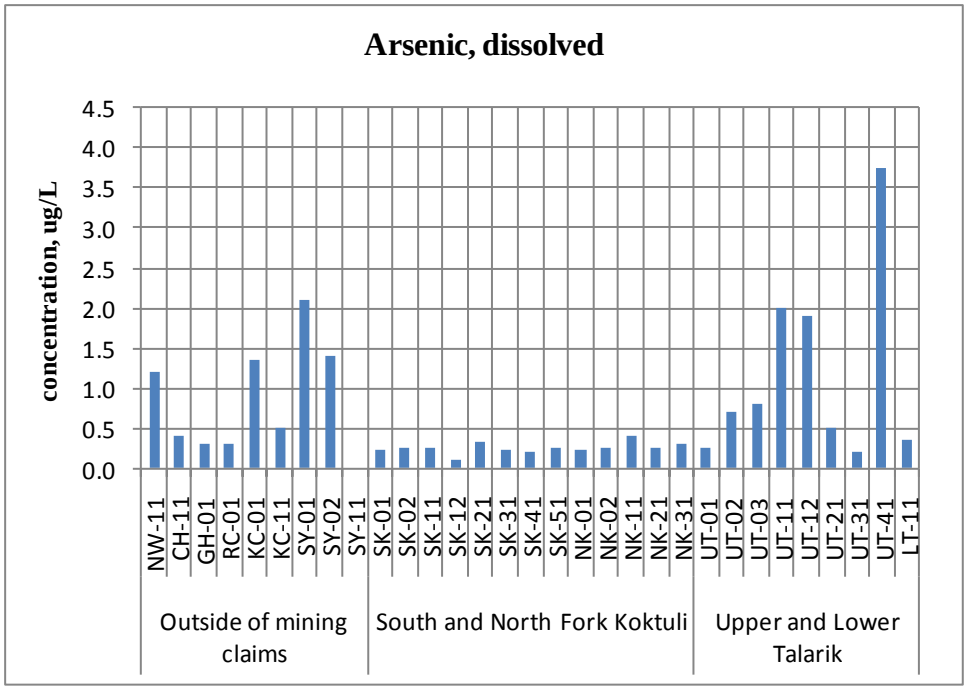
Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.5	0.1	0.3	0.3
NK11-01	06/04/2009	0.5	0.1	0.4	0.4
SK01-01	06/06/2009	0.5	0.1	0.1	0.1
SK01-02	06/06/2009	0.5	0.1	ND	
SK01-03	06/06/2009	0.5	0.1	ND	
SK01-04	06/06/2009	0.5	0.1	ND	
SK12-01	06/06/2009	0.5	0.1	0.1	0.1
CH11-01	06/05/2009	0.5	0.1	0.4	0.4
CH11-02	06/05/2009	0.5	0.1	0.4	
CH11-03	06/05/2009	0.5	0.1	0.4	
CH11-04	06/05/2009	0.5	0.1	0.4	
UT01-01	06/05/2009	0.5	0.1	0.1	0.1
UT11-01	06/05/2009	0.5	0.1	1.2	1.2
SK31-01	06/05/2009	0.5	0.1	0.2	0.2
UT02-01	06/05/2009	0.5	0.1	0.7	0.7
NK01-01	06/06/2009	0.5	0.1	0.1	0.1
SK21-01	06/06/2009	0.5	0.1	0.4	0.4
NK31-01	06/06/2009	0.5	0.1	0.3	0.3
NK21-01	06/06/2009	0.5	0.1	ND	ND
SY11-01	06/07/2009	0.5	0.1	ND	0.1
SY11-02	06/07/2009	0.5	0.1	0.1	
SY11-03	06/07/2009	0.5	0.1	ND	
SY11-04	06/07/2009	0.5	0.1	ND	
KC11-01	06/07/2009	0.5	0.1	0.5	0.5
LT11-01	06/07/2009	0.5	0.1	0.4	0.4
KC01-01	06/07/2009	0.5	0.1	1.3	1.4
KC01-02	06/07/2009	0.5	0.1	1.4	
KC01-03	06/07/2009	0.5	0.1	1.4	
KC01-04	06/07/2009	0.5	0.1	1.3	
SY01-01	06/07/2009	0.5	0.1	2.1	2.1
RC01-01	06/08/2009	0.5	0.1	0.3	0.3
UT21-01	06/08/2009	0.5	0.1	0.5	0.5
UT31-01	06/08/2009	0.5	0.1	0.2	0.2
NW11-01	06/08/2009	0.5	0.1	1.2	1.2

Arsenic, Dissolved, in ug/L
the lab did not analyze sample NK-01-01 for dissolved iron

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.5		0.6	0.6
KC-01-01	06/09/2010	0.5		1.5	1.5
NK-01-02	06/10/2010	0.5		ND	0.25
NK-01-03	06/10/2010	0.5		ND	
NK-01-04	06/10/2010	0.5		ND	
NK-02-01	06/07/2010	0.5		ND	0.25
NK-11-01	06/07/2010	0.5		ND	0.25
NW-11-01	06/09/2010	0.5		1.2	1.2
SK-02-01	06/08/2010	0.5		ND	0.25
SK-12-01	06/09/2010	0.5		0.1	0.1
SK-12-02	06/09/2010	0.5		0.1	
SK-12-03	06/09/2010	0.5		0.1	
SK-12-04	06/09/2010	0.5		0.1	
SK-31-01	06/10/2010	0.5		ND	0.25
SK-41-01	06/09/2010	0.5		0.2	0.2
SK-51-01	06/07/2010	0.5		ND	0.25
SY-02-01	06/09/2010	0.5		1.4	1.4
UT-01-01	06/10/2010	0.5		ND	0.25
UT-02-01	06/08/2010	0.5		1.3	1.3
UT-03-01	06/10/2010	0.5		0.8	0.8
UT-03-02	06/10/2010	0.5		0.8	
UT-03-03	06/10/2010	0.5		0.8	
UT-03-04	06/10/2010	0.5		0.8	
UT-11-01	06/10/2010	0.5		3.5	3.5
UT-12-01	06/08/2010	0.5		1.9	1.90
UT-41-01	06/09/2010	0.5		3.7	3.75
UT-41-02	06/09/2010	0.5		3.7	
UT-41-03	06/09/2010	0.5		3.8	
UT-41-04	06/09/2010	0.5		3.8	

Standard is 10 ug/L as drinking water





Cadmium, Total in ug/L Standard is 0.07 ug/L as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.02	0.005	0.008	0.008
NW11-02	05/01/2009	0.02	0.005	0.011	
NW11-03	05/01/2009	0.02	0.005	0.006	
SK-01-01	05/01/2009	0.02	0.005	0.013	0.010
SK-01-02	05/01/2009	0.02	0.005	0.01	
SK-01-03	05/01/2009	0.02	0.005	0.007	
UT-11-01	05/01/2009	0.02	0.005	0.0025	0.005
UT-11-02	05/01/2009	0.02	0.005	0.006	
UT-11-03	05/01/2009	0.02	0.005	0.007	
KC-01-01	05/02/2009	0.02	0.005	0.012	0.013
KC-01-02	05/02/2009	0.02	0.005	0.015	
KC-01-03	05/02/2009	0.02	0.005	0.013	
UT-02-01	05/02/2009	0.02	0.005	0.012	0.012
UT-02-02	05/02/2009	0.02	0.005	0.009	
UT-02-03	05/02/2009	0.02	0.005	0.015	
LT-11-01	05/02/2009	0.02	0.005	0.0025	0.004
LT-11-02	05/02/2009	0.02	0.005	0.006	
LT-11-03	05/02/2009	0.02	0.005	0.0025	
SY-11-01	05/02/2009	0.02	0.005	0.012	0.011
SY-11-02	05/02/2009	0.02	0.005	0.009	
SY-11-03	05/02/2009	0.02	0.005	0.011	
SK-21-01	05/02/2009	0.02	0.005	0.008	0.005
SK-21-02	05/02/2009	0.02	0.005	0.005	
SK-21-03	05/02/2009	0.02	0.005	0.0025	
NK-01-01	05/02/2009	0.02	0.005	0.019	0.016
NK-01-02	05/02/2009	0.02	0.005	0.013	
NK-01-03	05/02/2009	0.02	0.005	0.015	
UT01-01	05/03/2009	0.02	0.005	0.008	0.007
UT01-02	05/03/2009	0.02	0.005	0.006	
NK-21-01	05/03/2009	0.02	0.005	0.009	0.009
NK-21-02	05/03/2009	0.02	0.005	0.008	
NK-11-01	05/03/2009	0.02	0.005	0.0025	0.003
NK-11-02	05/03/2009	0.02	0.005	0.005	
NK-11-03	05/03/2009	0.02	0.005	0.0025	
CH-11-01	05/03/2009	0.02	0.005	0.013	0.012
CH-11-02	05/03/2009	0.02	0.005	0.008	
CH-11-03	05/03/2009	0.02	0.005	0.015	
NK-21-01	05/04/2009	0.02	0.005	0.008	0.008
SK-11-01	05/04/2009	0.02	0.005	0.09	0.084
SK-11-02	05/04/2009	0.02	0.005	0.077	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.02	0.005	0.016	0.016
NK11-01	06/04/2009	0.02	0.005	0.012	0.012
SK01-01	06/06/2009	0.02	0.005	0.014	0.008
SK01-02	06/06/2009	0.02	0.005	0.008	
SK01-03	06/06/2009	0.02	0.005	0.008	
SK01-04	06/06/2009	0.02	0.005	0.0025	
SK12-01	06/06/2009	0.02	0.005	0.091	0.091
CH11-01	06/05/2009	0.02	0.005	0.0025	0.003
CH11-02	06/05/2009	0.02	0.005	0.0025	
CH11-03	06/05/2009	0.02	0.005	0.0025	
CH11-04	06/05/2009	0.02	0.005	0.0025	
UT01-01	06/05/2009	0.02	0.005	0.0025	0.003
UT11-01	06/05/2009	0.02	0.005	0.0025	0.003
SK31-01	06/05/2009	0.02	0.005	0.008	0.008
UT02-01	06/05/2009	0.02	0.005	0.0025	0.003
NK01-01	06/06/2009	0.02	0.005	0.0025	0.003
SK21-01	06/06/2009	0.02	0.005	0.0025	0.003
NK31-01	06/06/2009	0.02	0.005	0.0025	0.003
NK21-01	06/06/2009	0.02	0.005	0.006	0.006
SY11-01	06/07/2009	0.02	0.005	0.0025	0.004
SY11-02	06/07/2009	0.02	0.005	0.009	
SY11-03	06/07/2009	0.02	0.005	0.0025	
SY11-04	06/07/2009	0.02	0.005	0.0025	
KC11-01	06/07/2009	0.02	0.005	0.0025	0.003
LT11-01	06/07/2009	0.02	0.005	0.0025	0.003
KC01-01	06/07/2009	0.02	0.005	0.0025	0.003
KC01-02	06/07/2009	0.02	0.005	0.0025	
KC01-03	06/07/2009	0.02	0.005	0.0025	
KC01-04	06/07/2009	0.02	0.005	0.0025	
SY01-01	06/07/2009	0.02	0.005	0.016	0.016
RC01-01	06/08/2009	0.02	0.005	0.014	0.014
UT21-01	06/08/2009	0.02	0.005	0.008	0.008
UT31-01	06/08/2009	0.02	0.005	0.0025	0.003
NW11-01	06/08/2009	0.02	0.005	0.0025	0.003

Cadmium, Total, in ug/L
Mean is listed as ½ MRL when non-detect

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.02		ND	0.01
KC-01-01	06/09/2010	0.02		ND	0.01
NK-01-01	06/10/2010	0.02		ND	
NK-01-02	06/10/2010	0.02		ND	0.01
NK-01-03	06/10/2010	0.02		ND	
NK-01-04	06/10/2010	0.02		ND	
NK-02-01	06/07/2010	0.02		ND	0.01
NK-11-01	06/07/2010	0.02		ND	0.01
NW-11-01	06/09/2010	0.02		0	0.01
SK-02-01	06/08/2010	0.02		ND	0.01
SK-12-01	06/09/2010	0.02		0.05	0.045
SK-12-02	06/09/2010	0.02		0.05	
SK-12-03	06/09/2010	0.02		0.04	
SK-12-04	06/09/2010	0.02		0.04	
SK-31-01	06/10/2010	0.02		ND	0.01
SK-41-01	06/09/2010	0.02		ND	0.01
SK-51-01	06/07/2010	0.02		ND	0.01
SY-02-01	06/09/2010	0.02		0.01	0.01
UT-01-01	06/10/2010	0.02		ND	0.01
UT-02-01	06/08/2010	0.02		ND	0.01
UT-03-01	06/10/2010	0.02		ND	0.01
UT-03-02	06/10/2010	0.02		ND	
UT-03-03	06/10/2010	0.02		ND	
UT-03-04	06/10/2010	0.02		ND	
UT-11-01	06/10/2010	0.02		ND	0.01
UT-12-01	06/08/2010	0.02		ND	0.01
UT-41-01	06/09/2010	0.02		ND	0.01
UT-41-02	06/09/2010	0.02		0.01	
UT-41-03	06/09/2010	0.02		ND	
UT-41-04	06/09/2010	0.02		0	

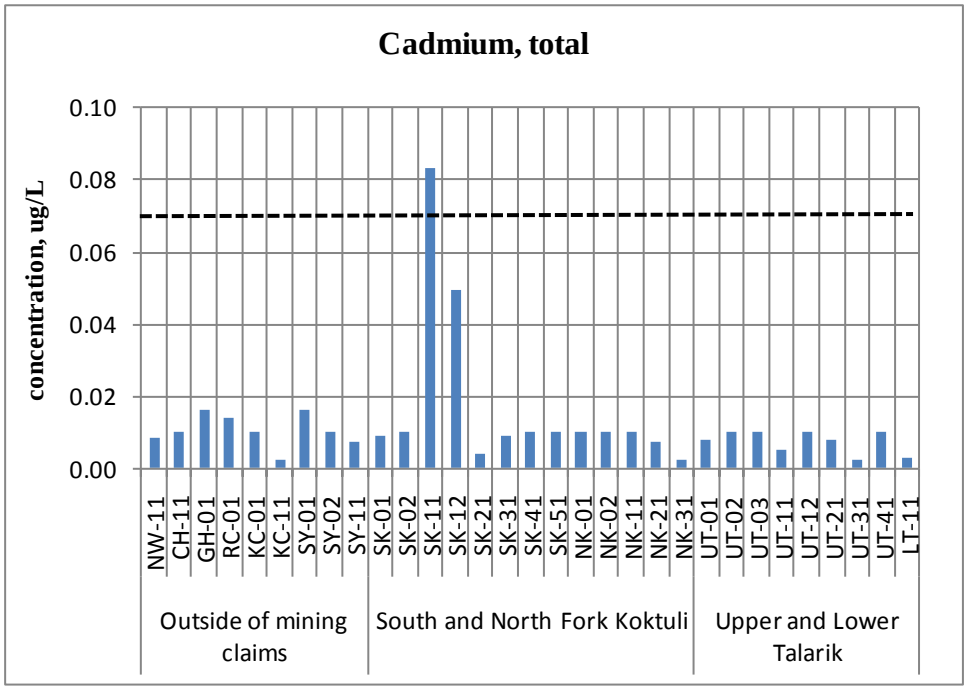
Cadmium, Dissolved in ug/L

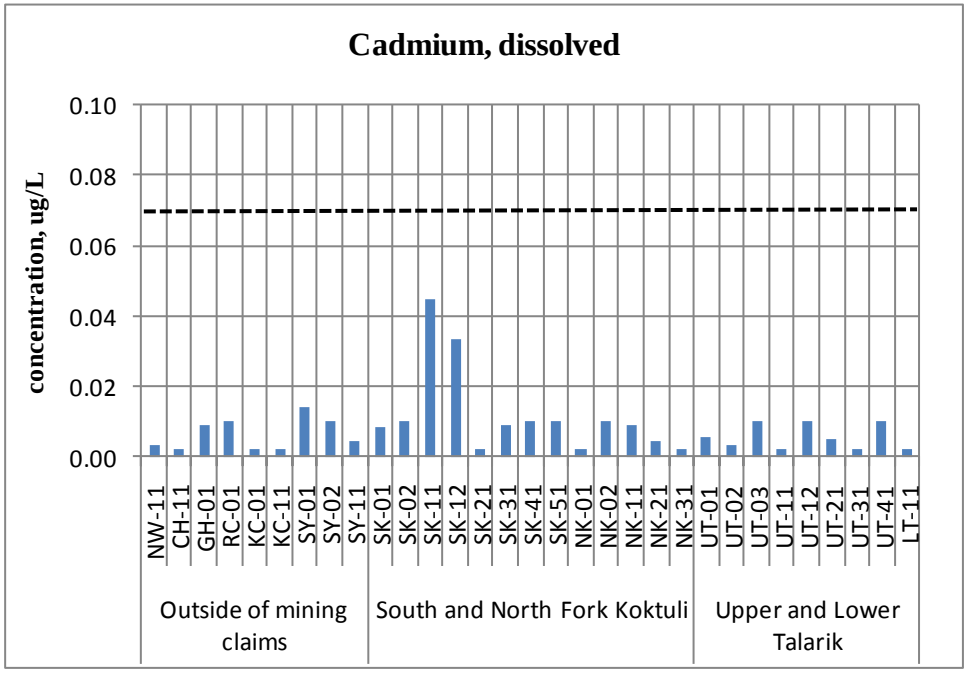
Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.02	0.005	0.005	0.003
NW11-02	05/01/2009	0.02	0.005	0.0025	
NW11-03	05/01/2009	0.02	0.005	0.0025	
SK-01-01	05/01/2009	0.02	0.005	0.012	0.008
SK-01-02	05/01/2009	0.02	0.005	0.006	
SK-01-03	05/01/2009	0.02	0.005	0.007	
UT-11-01	05/01/2009	0.02	0.005	0.0025	0.003
UT-11-02	05/01/2009	0.02	0.005	0.0025	
UT-11-03	05/01/2009	0.02	0.005	0.0025	
KC-01-01	05/02/2009	0.02	0.005	0.0025	0.003
KC-01-02	05/02/2009	0.02	0.005	0.0025	
KC-01-03	05/02/2009	0.02	0.005	0.0025	
UT-02-01	05/02/2009	0.02	0.005	0.0025	0.003
UT-02-02	05/02/2009	0.02	0.005	0.0025	
UT-02-03	05/02/2009	0.02	0.005	0.005	
LT-11-01	05/02/2009	0.02	0.005	0.0025	0.003
LT-11-02	05/02/2009	0.02	0.005	0.0025	
LT-11-03	05/02/2009	0.02	0.005	0.0025	
SY-11-01	05/02/2009	0.02	0.005	0.0025	0.004
SY-11-02	05/02/2009	0.02	0.005	0.0025	
SY-11-03	05/02/2009	0.02	0.005	0.006	
SK-21-01	05/02/2009	0.02	0.005	0.0025	0.003
SK-21-02	05/02/2009	0.02	0.005	0.0025	
SK-21-03	05/02/2009	0.02	0.005	0.0025	
NK-01-01	05/02/2009	0.02	0.005	0.0025	0.003
NK-01-02	05/02/2009	0.02	0.005	0.0025	
NK-01-03	05/02/2009	0.02	0.005	0.0025	
UT01-01	05/03/2009	0.02	0.005	0.0025	0.004
UT01-02	05/03/2009	0.02	0.005	0.005	
NK-21-01	05/03/2009	0.02	0.005	0.006	0.007
NK-21-02	05/03/2009	0.02	0.005	0.008	
NK-11-01	05/03/2009	0.02	0.005	0.0025	0.003
NK-11-02	05/03/2009	0.02	0.005	0.0025	
NK-11-03	05/03/2009	0.02	0.005	0.0025	
CH-11-01	05/03/2009	0.02	0.005	0.0025	0.003
CH-11-02	05/03/2009	0.02	0.005	0.0025	
CH-11-03	05/03/2009	0.02	0.005	0.0025	
NK-21-01	05/04/2009	0.02	0.005	0.005	0.005
SK-11-01	05/04/2009	0.02	0.005	0.046	0.045
SK-11-02	05/04/2009	0.02	0.005	0.043	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.02	0.005	0.009	0.009
NK11-01	06/04/2009	0.02	0.005	0.009	0.009
SK01-01	06/06/2009	0.02	0.005	0.01	0.009
SK01-02	06/06/2009	0.02	0.005	0.008	
SK01-03	06/06/2009	0.02	0.005	0.009	
SK01-04	06/06/2009	0.02	0.005	0.007	
SK12-01	06/06/2009	0.02	0.005	0.04	0.040
CH11-01	06/05/2009	0.02	0.005	0.0025	0.003
CH11-02	06/05/2009	0.02	0.005	0.0025	
CH11-03	06/05/2009	0.02	0.005	0.0025	
CH11-04	06/05/2009	0.02	0.005	0.0025	
UT01-01	06/05/2009	0.02	0.005	0.006	0.006
UT11-01	06/05/2009	0.02	0.005	0.0025	0.003
SK31-01	06/05/2009	0.02	0.005	0.008	0.008
UT02-01	06/05/2009	0.02	0.005	0.0025	0.003
NK01-01	06/06/2009	0.02	0.005	0.0025	0.003
SK21-01	06/06/2009	0.02	0.005	0.0025	0.003
NK31-01	06/06/2009	0.02	0.005	0.0025	0.003
NK21-01	06/06/2009	0.02	0.005	0.0025	0.003
SY11-01	06/07/2009	0.02	0.005	0.005	0.005
SY11-02	06/07/2009	0.02	0.005	0.01	
SY11-03	06/07/2009	0.02	0.005	0.0025	
SY11-04	06/07/2009	0.02	0.005	0.0025	
KC11-01	06/07/2009	0.02	0.005	0.0025	0.003
LT11-01	06/07/2009	0.02	0.005	0.0025	0.003
KC01-01	06/07/2009	0.02	0.005	0.0025	0.003
KC01-02	06/07/2009	0.02	0.005	0.0025	
KC01-03	06/07/2009	0.02	0.005	0.0025	
KC01-04	06/07/2009	0.02	0.005	0.0025	
SY01-01	06/07/2009	0.02	0.005	0.014	0.014
RC01-01	06/08/2009	0.02	0.005	0.01	0.010
UT21-01	06/08/2009	0.02	0.005	0.005	0.005
UT31-01	06/08/2009	0.02	0.005	0.0025	0.003
NW11-01	06/08/2009	0.02	0.005	0.0025	0.003

Cadmium, Dissolved, in ug/L
Mean is listed as ½ MRL when non-detect

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.02		ND	0.01
KC-01-01	06/09/2010	0.02		ND	0.01
NK-01-02	06/10/2010	0.02		ND	0.01
NK-01-03	06/10/2010	0.02		ND	
NK-01-04	06/10/2010	0.02		ND	
NK-02-01	06/07/2010	0.02		ND	0.01
NK-11-01	06/07/2010	0.02		ND	0.01
NW-11-01	06/09/2010	0.02		ND	0.01
SK-02-01	06/08/2010	0.02		ND	0.01
SK-12-01	06/09/2010	0.02		0.03	0.03
SK-12-02	06/09/2010	0.02		0.04	
SK-12-03	06/09/2010	0.02		0.03	
SK-12-04	06/09/2010	0.02		0.03	
SK-31-01	06/10/2010	0.02		ND	0.01
SK-41-01	06/09/2010	0.02		0	0.01
SK-51-01	06/07/2010	0.02		ND	0.01
SY-02-01	06/09/2010	0.02		0.01	0.01
UT-01-01	06/10/2010	0.02		ND	0.01
UT-02-01	06/08/2010	0.02		ND	0.01
UT-03-01	06/10/2010	0.02		ND	0.01
UT-03-02	06/10/2010	0.02		ND	
UT-03-03	06/10/2010	0.02		ND	
UT-03-04	06/10/2010	0.02		ND	
UT-11-01	06/10/2010	0.02		ND	0.01
UT-12-01	06/08/2010	0.02		ND	0.01
UT-41-01	06/09/2010	0.02		0.01	0.01
UT-41-02	06/09/2010	0.02		ND	
UT-41-03	06/09/2010	0.02		0	
UT-41-04	06/09/2010	0.02		ND	


Cadmium, total
concentration, ug/L
0.10
0.08
0.06
0.04
0.02
0.00
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Cadmium, dissolved
concentration, ug/L
0.10
0.08
0.06
0.04
0.02
0.00
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

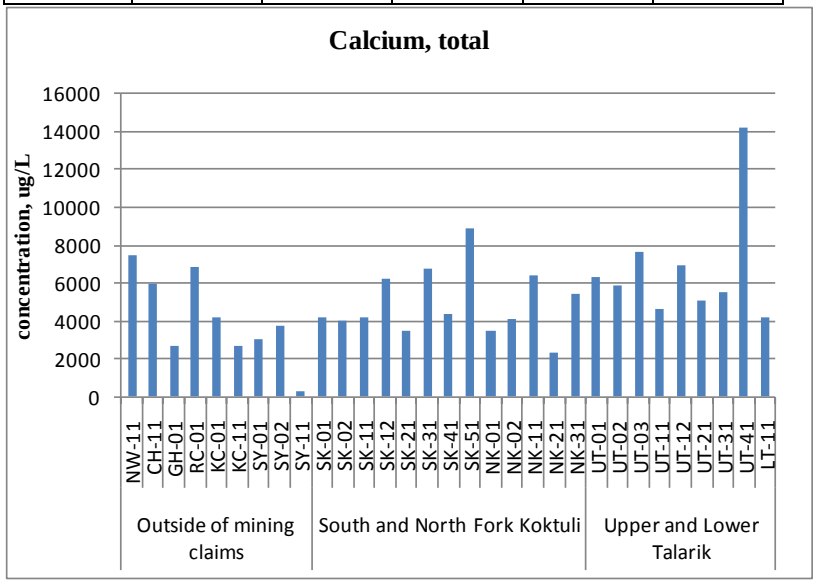
Calcium, Total in ug/L No standard

Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	50	9	5380	5300
NW11-02	05/01/2009	50	9	5160	
NW11-03	05/01/2009	50	9	5360	
SK-01-01	05/01/2009	50	9	4290	4323
SK-01-02	05/01/2009	50	9	4350	
SK-01-03	05/01/2009	50	9	4330	
UT-11-01	05/01/2009	50	9	4720	4677
UT-11-02	05/01/2009	50	9	4650	
UT-11-03	05/01/2009	50	9	4660	
KC-01-01	05/02/2009	50	9	1510	1517
KC-01-02	05/02/2009	50	9	1530	
KC-01-03	05/02/2009	50	9	1510	
UT-02-01	05/02/2009	50	9	4290	4280
UT-02-02	05/02/2009	50	9	4270	
UT-02-03	05/02/2009	50	9	4280	
LT-11-01	05/02/2009	50	9	3400	3447
LT-11-02	05/02/2009	50	9	3430	
LT-11-03	05/02/2009	50	9	3510	
SY-11-01	05/02/2009	50	9	299	301
SY-11-02	05/02/2009	50	9	298	
SY-11-03	05/02/2009	50	9	306	
SK-21-01	05/02/2009	50	9	1980	2010
SK-21-02	05/02/2009	50	9	2020	
SK-21-03	05/02/2009	50	9	2030	
NK-01-01	05/02/2009	50	9	2260	2253
NK-01-02	05/02/2009	50	9	2270	
NK-01-03	05/02/2009	50	9	2230	
UT01-01	05/03/2009	50	30	4200	4355
UT01-02	05/03/2009	50	30	4510	
NK-21-01	05/03/2009	50	30	2420	2415
NK-21-02	05/03/2009	50	30	2410	
NK-11-01	05/03/2009	50	30	3810	3943
NK-11-02	05/03/2009	50	30	4070	
NK-11-03	05/03/2009	50	30	3950	
CH-11-01	05/03/2009	50	30	5220	5080
CH-11-02	05/03/2009	50	30	4830	
CH-11-03	05/03/2009	50	30	5190	
NK-21-01	05/04/2009	50	30	2460	2460
SK-11-01	05/04/2009	50	30	4180	3670
SK-11-02	05/04/2009	50	30	4170	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	50	6	2660	2660
NK11-01	06/04/2009	50	6	6420	6420
SK01-01	06/06/2009	50	6	4060	4015
SK01-02	06/06/2009	50	6	4010	
SK01-03	06/06/2009	50	6	4010	
SK01-04	06/06/2009	50	6	3980	
SK12-01	06/06/2009	50	6	4780	4780
CH11-01	06/05/2009	50	6	6050	5953
CH11-02	06/05/2009	50	6	5990	
CH11-03	06/05/2009	50	6	5910	
CH11-04	06/05/2009	50	6	5860	
UT01-01	06/05/2009	50	6	8160	8160
UT11-01	06/05/2009	50	6	4040	4040
SK31-01	06/05/2009	50	6	5050	5050
UT02-01	06/05/2009	50	6	5880	5880
NK01-01	06/06/2009	50	6	3530	3530
SK21-01	06/06/2009	50	6	5040	5040
NK31-01	06/06/2009	50	6	5410	5410
NK21-01	06/06/2009	50	6	2160	2160
SY11-01	06/07/2009	50	6	244	243
SY11-02	06/07/2009	50	6	243	
SY11-03	06/07/2009	50	6	240	
SY11-04	06/07/2009	50	6	245	
KC11-01	06/07/2009	50	6	2700	2700
LT11-01	06/07/2009	50	6	4900	4900
KC01-01	06/07/2009	50	6	4100	4160
KC01-02	06/07/2009	50	6	4350	
KC01-03	06/07/2009	50	6	4140	
KC01-04	06/07/2009	50	6	4050	
SY01-01	06/07/2009	50	6	3060	3060
RC01-01	06/08/2009	50	6	6840	6840
UT21-01	06/08/2009	50	6	5050	5050
UT31-01	06/08/2009	50	6	5510	5510
NW11-01	06/08/2009	50	6	7450	7450

Calcium, Total, in mg/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	50		7880	7880
KC-01-01	06/09/2010	50		4810	4810
NK-01-01	06/10/2010	50		3930	
NK-01-02	06/10/2010	50		3850	3908
NK-01-03	06/10/2010	50		3960	
NK-01-04	06/10/2010	50		3890	
NK-02-01	06/07/2010	50		4090	4090
NK-11-01	06/07/2010	50		8160	8160
NW-11-01	06/09/2010	50		9340	9340
SK-02-01	06/08/2010	50		3980	3980
SK-12-01	06/09/2010	50		6440	6420
SK-12-02	06/09/2010	50		6400	
SK-12-03	06/09/2010	50		6510	
SK-12-04	06/09/2010	50		6330	
SK-31-01	06/10/2010	50		8490	8490
SK-41-01	06/09/2010	50		4340	4340
SK-51-01	06/07/2010	50		8910	8910
SY-02-01	06/09/2010	50		3750	3750
UT-01-01	06/10/2010	50		10500	10500
UT-02-01	06/08/2010	50		8440	8440
UT-03-01	06/10/2010	50		7600	7633
UT-03-02	06/10/2010	50		7700	
UT-03-03	06/10/2010	50		7590	
UT-03-04	06/10/2010	50		7640	
UT-11-01	06/10/2010	50		6900	6900
UT-12-01	06/08/2010	50		6980	6980
UT-41-01	06/09/2010	50		14200	14225
UT-41-02	06/09/2010	50		14100	
UT-41-03	06/09/2010	50		14300	
UT-41-04	06/09/2010	50		14300	



Calcium, Dissolved in ug/L No standard
(June 2009 samples did not have dissolved calcium analysis)

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	50	9	5320	5340
NW-11-02	05/01/2009	50	9	5370	
NW-11-03	05/01/2009	50	9	5330	
SK-01-01	05/01/2009	50	9	4400	4397
SK-01-02	05/01/2009	50	9	4410	
SK-01-03	05/01/2009	50	9	4380	
UT-11-01	05/01/2009	50	9	4910	4757
UT-11-02	05/01/2009	50	9	4670	
UT-11-03	05/01/2009	50	9	4690	
KC-01-01	05/02/2009	50	9	1250	1253
KC-01-02	05/02/2009	50	9	1250	
KC-01-03	05/02/2009	50	9	1260	
UT-02-01	05/02/2009	50	9	4210	4250
UT-02-02	05/02/2009	50	9	4270	
UT-02-03	05/02/2009	50	9	4270	
LT-11-01	05/02/2009	50	9	3470	3493
LT-11-02	05/02/2009	50	9	3570	
LT-11-03	05/02/2009	50	9	3440	
SY-11-01	05/02/2009	50	9	317	306
SY-11-02	05/02/2009	50	9	305	
SY-11-03	05/02/2009	50	9	295	
SK-21-01	05/02/2009	50	9	1910	1883
SK-21-02	05/02/2009	50	9	1890	
SK-21-03	05/02/2009	50	9	1850	
NK-01-01	05/02/2009	50	9	2170	2170
NK-01-02	05/02/2009	50	9	2170	
NK-01-03	05/02/2009	50	9	2170	
UT01-01	05/03/2009	50	30	4410	4400
UT01-02	05/03/2009	50	30	4390	
NK-21-01	05/03/2009	50	30	2530	2530
NK-21-02	05/03/2009	50	30	2530	
NK-11-01	05/03/2009	50	30	3850	3790
NK-11-02	05/03/2009	50	30	3770	
NK-11-03	05/03/2009	50	30	3750	
CH-11-01	05/03/2009	50	30	4720	4687
CH-11-02	05/03/2009	50	30	4660	
CH-11-03	05/03/2009	50	30	4680	
NK-21-01	05/04/2009	50	30	2330	2330
SK-11-01	05/04/2009	50	30	4080	4055
SK-11-02	05/04/2009	50	30	4030	

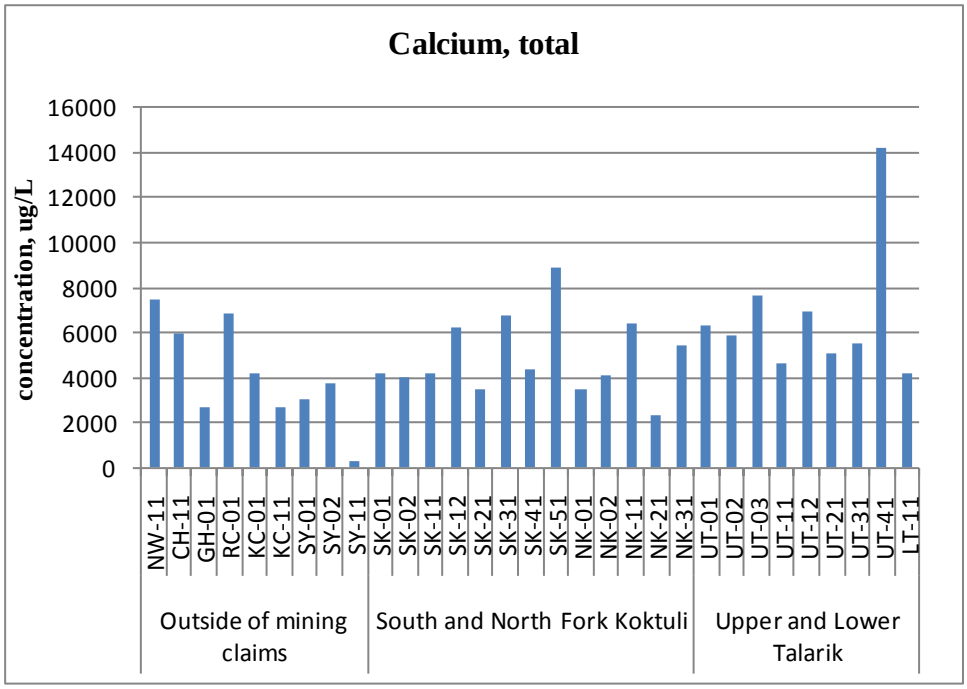
Dissolved organic carbon in mg/L No standard

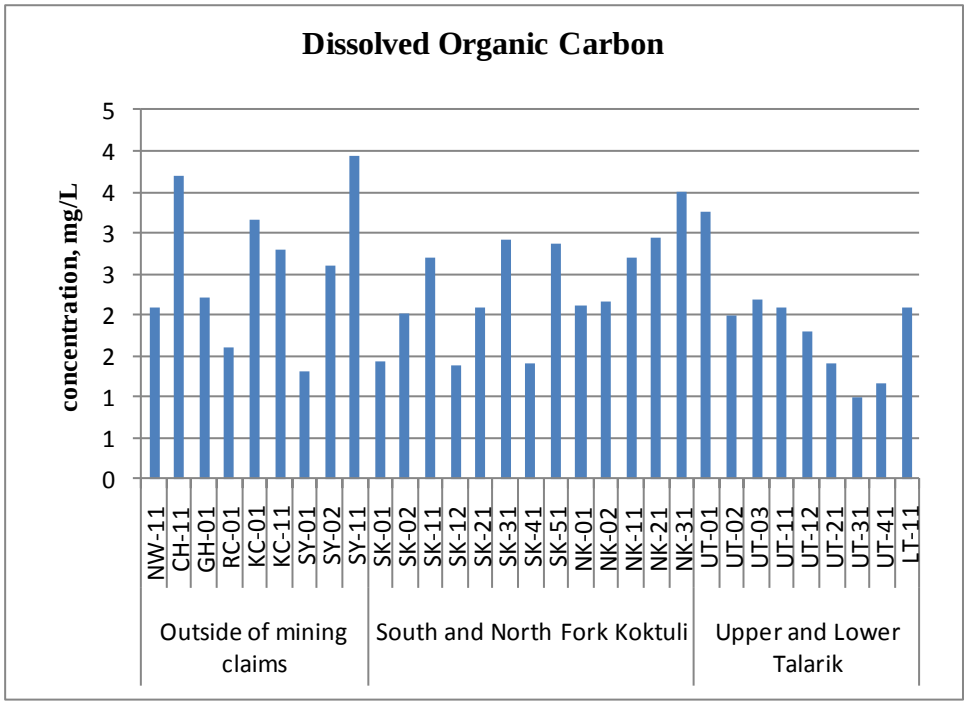
Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.5	0.07	2.7	3
NW11-02	05/01/2009	0.5	0.07	3.1	
SK-01-01	05/01/2009	0.5	0.07	1.6	1
SK-01-02	05/01/2009	0.5	0.07	1.2	
UT-11-01	05/01/2009	0.5	0.07	3	3
UT-11-02	05/01/2009	0.5	0.07	2.8	
KC-01-01	05/02/2009	0.5	0.07	5.2	5
KC-01-02	05/02/2009	0.5	0.07	5	
UT-02-01	05/02/2009	0.5	0.07	3.1	3
UT-02-02	05/02/2009	0.5	0.07	3.1	
LT-11-01	05/02/2009	0.5	0.07	2.3	2
LT-11-02	05/02/2009	0.5	0.07	2.5	
SY-11-01	05/02/2009	0.5	0.07	4.4	5
SY-11-02	05/02/2009	0.5	0.07	4.9	
SK-21-01	05/02/2009	0.5	0.07	2.6	3
SK-21-02	05/02/2009	0.5	0.07	3	
NK-01-01	05/02/2009	0.5	0.07	4	4
NK-01-02	05/02/2009	0.5	0.07	4	
UT01-01	05/03/2009	0.5	0.07	3.6	4
UT01-02	05/03/2009	0.5	0.07	4.1	
NK-21-01	05/03/2009	0.5	0.07	3.6	4
NK-21-02	05/03/2009	0.5	0.07	3.6	
NK-11-01	05/03/2009	0.5	0.07	6.1	6
NK-11-02	05/03/2009	0.5	0.07	6	
CH-11-01	05/03/2009	0.5	0.07	4.2	4
CH-11-02	05/03/2009	0.5	0.07	4.3	
SK-11-01	05/04/2009	0.5	0.07	2.7	3
SK-11-02	05/04/2009	0.5	0.07	2.8	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.5	0.07	2.2	2
NK11-01	06/04/2009	0.5	0.07	2.7	3
SK01-01	06/06/2009	0.5	0.07	1.4	1
SK01-02	06/06/2009	0.5	0.07	1.5	
SK12-01	06/06/2009	0.5	0.07	1.3	1
CH11-01	06/05/2009	0.5	0.07	3.8	4
CH11-02	06/05/2009	0.5	0.07	3.3	
UT01-01	06/05/2009	0.5	0.07	2.4	2
UT11-01	06/05/2009	0.5	0.07	2.1	2
SK31-01	06/05/2009	0.5	0.07	3.2	3
UT02-01	06/05/2009	0.5	0.07	2	2
NK01-01	06/06/2009	0.5	0.07	1.8	2
SK21-01	06/06/2009	0.5	0.07	1.4	1
NK31-01	06/06/2009	0.5	0.07	3.5	4
NK21-01	06/06/2009	0.5	0.07	2.3	2
SY11-01	06/07/2009	0.5	0.07	2.9	3
SY11-02	06/07/2009	0.5	0.07	3.6	
KC11-01	06/07/2009	0.5	0.07	2.8	3
LT11-01	06/07/2009	0.5	0.07	1.8	2
KC01-01	06/07/2009	0.5	0.07	3.3	3
KC01-02	06/07/2009	0.5	0.07	3	
SY01-01	06/07/2009	0.5	0.07	1.3	1
RC01-01	06/08/2009	0.5	0.07	1.6	2
UT21-01	06/08/2009	0.5	0.07	1.4	1
UT31-01	06/08/2009	0.5	0.07	1	1
NW11-01	06/08/2009	0.5	0.07	2.1	2

Dissolved Organic Carbon, mg/L

Sample	Date	MRL	MDL	Result	mean
CH-11-01	06/07/2010	0.5		3.69	3.69
KC-01-01	06/09/2010	0.5		2.67	2.67
NK-01-01	06/10/2010	0.5		1.99	2.11
NK-01-02	06/10/2010	0.5		2.22	
NK-02-01	06/07/2010	0.5		2.17	2.17
NK-11-01	06/07/2010	0.5		1.27	1.27
NW-11-01	06/09/2010	0.5		1.74	1.74
SK-02-01	06/08/2010	0.5		2.02	2.02
SK-12-01	06/09/2010	0.5		1.34	1.47
SK-12-02	06/09/2010	0.5		1.6	
SK-31-01	06/10/2010	0.5		2.64	2.64
SK-41-01	06/09/2010	0.5		1.41	1.41
SK-51-01	06/07/2010	0.5		2.88	2.88
SY-02-01	06/09/2010	0.5		2.59	2.59
UT-01-01	06/10/2010	0.5		1.75	1.75
UT-02-01	06/08/2010	0.5		1.69	1.69
UT-03-01	06/10/2010	0.5		2.25	2.20
UT-03-02	06/10/2010	0.5		2.14	
UT-11-01	06/10/2010	0.5		1.92	1.92
UT-12-01	06/08/2010	0.5		1.8	1.80
UT-41-01	06/09/2010	0.5		0.97	1.16
UT-41-02	06/09/2010	0.5		1.34	


Calcium, total
concentration, ug/L
16000
14000
12000
10000
8000
6000
4000
2000
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Dissolved Organic Carbon
concentration, mg/L
5
4
4
3
3
2
2
1
1
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

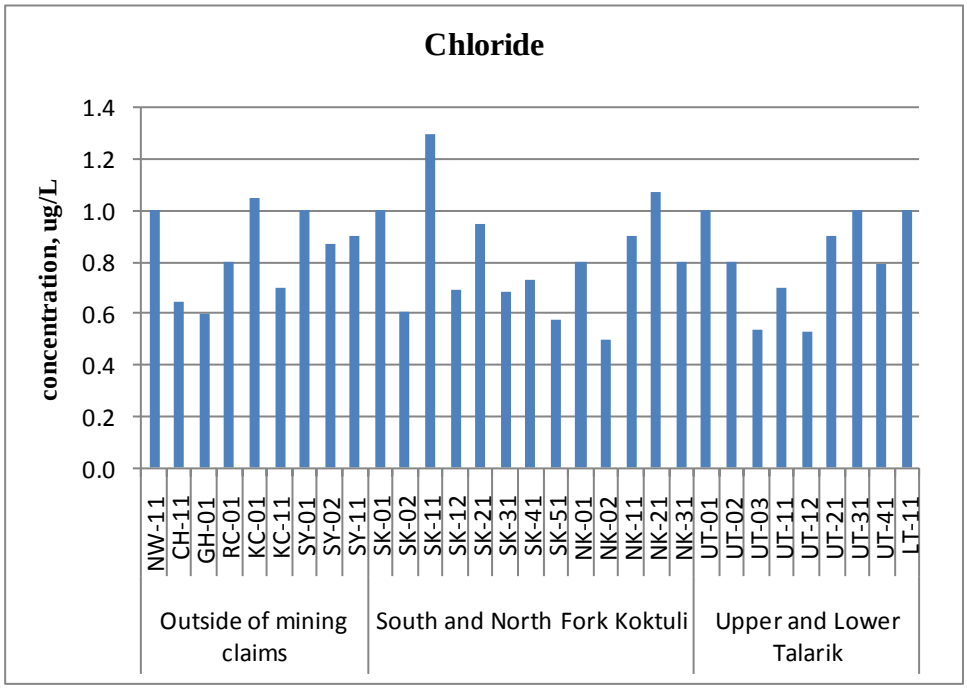
Chloride, Total in mg/L Standard 230 mg/L as drinking water

Sample	Date	MRL	MDL	Result
NW11-01	05/01/2009	0.2	0.016	1
NW11-02	05/01/2009	0.2	0.016	1
SK-01-01	05/01/2009	0.2	0.016	1.1
SK-01-02	05/01/2009	0.2	0.016	1.1
UT-11-01	05/01/2009	0.2	0.016	1.1
UT-11-02	05/01/2009	0.2	0.016	1.1
KC-01-01	05/02/2009	0.2	0.016	1.1
KC-01-02	05/02/2009	0.2	0.016	1.1
UT-02-01	05/02/2009	0.2	0.016	1
UT-02-02	05/02/2009	0.2	0.016	1
LT-11-01	05/02/2009	0.2	0.016	1
LT-11-02	05/02/2009	0.2	0.016	1
SY-11-01	05/02/2009	0.2	0.016	1.1
SY-11-02	05/02/2009	0.2	0.016	1.1
SK-21-01	05/02/2009	0.2	0.016	0.9
SK-21-02	05/02/2009	0.2	0.016	0.9
NK-01-01	05/02/2009	0.2	0.016	1.1
NK-01-02	05/02/2009	0.2	0.016	1.1
UT01-01	05/03/2009	0.2	0.016	1.2
UT01-02	05/03/2009	0.2	0.016	1.2
NK-21-01	05/03/2009	0.2	0.016	1.4
NK-21-02	05/03/2009	0.2	0.016	1.3
NK-11-01	05/03/2009	0.2	0.016	1
NK-11-02	05/03/2009	0.2	0.016	1
CH-11-01	05/03/2009	0.2	0.016	1.1
CH-11-02	05/03/2009	0.2	0.016	1
SK-11-01	05/04/2009	0.2	0.016	1.3
SK-11-02	05/04/2009	0.2	0.016	1.3

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	0.2	0.016	0.6
NK11-01	06/04/2009	0.2	0.016	0.9
SK01-01	06/06/2009	0.2	0.016	0.9
SK01-02	06/06/2009	0.2	0.016	0.9
SK12-01	06/06/2009	0.2	0.016	0.8
CH11-01	06/05/2009	0.2	0.016	0.7
CH11-02	06/05/2009	0.2	0.016	0.6
UT01-01	06/05/2009	0.2	0.016	0.8
UT11-01	06/05/2009	0.2	0.016	0.7
SK31-01	06/05/2009	0.2	0.016	0.8
UT02-01	06/05/2009	0.2	0.016	0.8
NK01-01	06/06/2009	0.2	0.016	0.8
SK21-01	06/06/2009	0.2	0.016	1
NK31-01	06/06/2009	0.2	0.016	0.8
NK21-01	06/06/2009	0.2	0.016	0.8
SY11-01	06/07/2009	0.2	0.016	0.7
SY11-02	06/07/2009	0.2	0.016	0.7
KC11-01	06/07/2009	0.2	0.016	0.7
LT11-01	06/07/2009	0.2	0.016	1
KC01-01	06/07/2009	0.2	0.016	1
KC01-02	06/07/2009	0.2	0.016	1.1
SY01-01	06/07/2009	0.2	0.016	1
RC01-01	06/08/2009	0.2	0.016	0.8
UT21-01	06/08/2009	0.2	0.016	0.9
UT31-01	06/08/2009	0.2	0.016	1
NW11-01	06/08/2009	0.2	0.016	1

Chloride, Dissolved, in mg/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.4		0.47	0.5
KC-01-01	06/09/2010	0.4		0.96	1.0
NK-01-01	06/10/2010	0.4		0.58	0.6
NK-01-02	06/10/2010	0.4		0.55	
NK-02-01	06/07/2010	0.4		0.5	0.5
NK-11-01	06/07/2010	0.4		0.64	0.6
NW-11-01	06/09/2010	0.4		0.7	0.7
SK-02-01	06/08/2010	0.4		0.61	0.6
SK-12-01	06/09/2010	0.4		0.59	0.6
SK-12-02	06/09/2010	0.4		0.57	
SK-31-01	06/10/2010	0.4		0.57	0.6
SK-41-01	06/09/2010	0.4		0.73	0.7
SK-51-01	06/07/2010	0.4		0.58	0.6
SY-02-01	06/09/2010	0.4		0.87	0.9
TB-01-01	06/08/2010	0.4		ND	0.2
TB-01-01	06/10/2010	0.4		ND	0.2
UT-01-01	06/10/2010	0.4		0.63	0.6
UT-02-01	06/08/2010	0.4		0.61	0.6
UT-03-01	06/10/2010	0.4		0.55	0.5
UT-03-02	06/10/2010	0.4		0.53	
UT-11-01	06/10/2010	0.4		0.48	0.5
UT-12-01	06/08/2010	0.4		0.53	0.5
UT-41-01	06/09/2010	0.4		0.79	0.8
UT-41-02	06/09/2010	0.4		0.79	



Chromium, Total in ug/L Standard is 100 ug/L for drinking water

Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.2	0.05	0.46	0.413
NW11-02	05/01/2009	0.2	0.05	0.4	
NW11-03	05/01/2009	0.2	0.05	0.38	
SK-01-01	05/01/2009	0.2	0.05	0.14	0.110
SK-01-02	05/01/2009	0.2	0.05	0.1	
SK-01-03	05/01/2009	0.2	0.05	0.09	
UT-11-01	05/01/2009	0.2	0.05	0.19	0.190
UT-11-02	05/01/2009	0.2	0.05	0.19	
UT-11-03	05/01/2009	0.2	0.05	0.19	
KC-01-01	05/02/2009	0.2	0.05	0.84	0.830
KC-01-02	05/02/2009	0.2	0.05	0.85	
KC-01-03	05/02/2009	0.2	0.05	0.8	
UT-02-01	05/02/2009	0.2	0.05	0.4	0.427
UT-02-02	05/02/2009	0.2	0.05	0.46	
UT-02-03	05/02/2009	0.2	0.05	0.42	
LT-11-01	05/02/2009	0.2	0.05	0.13	0.127
LT-11-02	05/02/2009	0.2	0.05	0.13	
LT-11-03	05/02/2009	0.2	0.05	0.12	
SY-11-01	05/02/2009	0.2	0.05	0.1	0.140
SY-11-02	05/02/2009	0.2	0.05	0.1	
SY-11-03	05/02/2009	0.2	0.05	0.22	
SK-21-01	05/02/2009	0.2	0.05	0.15	0.133
SK-21-02	05/02/2009	0.2	0.05	0.14	
SK-21-03	05/02/2009	0.2	0.05	0.11	
NK-01-01	05/02/2009	0.2	0.05	0.21	0.187
NK-01-02	05/02/2009	0.2	0.05	0.18	
NK-01-03	05/02/2009	0.2	0.05	0.17	
UT01-01	05/03/2009	0.2	0.05	0.22	0.200
UT01-02	05/03/2009	0.2	0.05	0.18	
NK-21-01	05/03/2009	0.2	0.05	0.13	0.135
NK-21-02	05/03/2009	0.2	0.05	0.14	
NK-11-01	05/03/2009	0.2	0.05	0.23	0.213
NK-11-02	05/03/2009	0.2	0.05	0.21	
NK-11-03	05/03/2009	0.2	0.05	0.2	
CH-11-01	05/03/2009	0.2	0.05	1.09	1.007
CH-11-02	05/03/2009	0.2	0.05	0.97	
CH-11-03	05/03/2009	0.2	0.05	0.96	
NK-21-01	05/04/2009	0.2	0.05	0.12	0.120
SK-11-01	05/04/2009	0.2	0.05	0.31	0.295
SK-11-02	05/04/2009	0.2	0.05	0.28	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.2	0.02	0.16	0.160
NK11-01	06/04/2009	0.2	0.02	0.36	0.360
SK01-01	06/06/2009	0.2	0.02	0.13	0.128
SK01-02	06/06/2009	0.2	0.02	0.13	
SK01-03	06/06/2009	0.2	0.02	0.13	
SK01-04	06/06/2009	0.2	0.02	0.12	
SK12-01	06/06/2009	0.2	0.02	0.24	0.240
CH11-01	06/05/2009	0.2	0.02	0.2	0.210
CH11-02	06/05/2009	0.2	0.02	0.23	
CH11-03	06/05/2009	0.2	0.02	0.2	
CH11-04	06/05/2009	0.2	0.02	0.21	
UT01-01	06/05/2009	0.2	0.02	0.16	0.160
UT11-01	06/05/2009	0.2	0.02	0.17	0.170
SK31-01	06/05/2009	0.2	0.02	0.17	0.170
UT02-01	06/05/2009	0.2	0.02	0.21	0.210
NK01-01	06/06/2009	0.2	0.02	0.12	0.120
SK21-01	06/06/2009	0.2	0.02	0.14	0.140
NK31-01	06/06/2009	0.2	0.02	0.14	0.140
NK21-01	06/06/2009	0.2	0.02	0.12	0.120
SY11-01	06/07/2009	0.2	0.02	0.12	0.110
SY11-02	06/07/2009	0.2	0.02	0.11	
SY11-03	06/07/2009	0.2	0.02	0.1	
SY11-04	06/07/2009	0.2	0.02	0.11	
KC11-01	06/07/2009	0.2	0.02	0.27	0.270
LT11-01	06/07/2009	0.2	0.02	0.21	0.210
KC01-01	06/07/2009	0.2	0.02	0.25	0.260
KC01-02	06/07/2009	0.2	0.02	0.26	
KC01-03	06/07/2009	0.2	0.02	0.28	
KC01-04	06/07/2009	0.2	0.02	0.25	
SY01-01	06/07/2009	0.2	0.02	0.15	0.150
RC01-01	06/08/2009	0.2	0.02	0.16	0.160
UT21-01	06/08/2009	0.2	0.02	0.17	0.170
UT31-01	06/08/2009	0.2	0.02	0.19	0.190
NW11-01	06/08/2009	0.2	0.02	0.2	0.200

Chromium, Total, in ug/L
Mean is listed as ½ MRL when non-detect

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.2		0.2	0.10
KC-01-01	06/09/2010	0.2		0.2	0.10
NK-01-01	06/10/2010	0.2		ND	
NK-01-02	06/10/2010	0.2		ND	0.10
NK-01-03	06/10/2010	0.2		ND	
NK-01-04	06/10/2010	0.2		ND	
NK-02-01	06/07/2010	0.2		ND	0.10
NK-11-01	06/07/2010	0.2		0.2	0.10
NW-11-01	06/09/2010	0.2		0.2	0.10
SK-02-01	06/08/2010	0.2		ND	0.10
SK-12-01	06/09/2010	0.2		0.1	0.10
SK-12-02	06/09/2010	0.2		0.1	
SK-12-03	06/09/2010	0.2		0.1	
SK-12-04	06/09/2010	0.2		0.1	
SK-31-01	06/10/2010	0.2		ND	0.10
SK-41-01	06/09/2010	0.2		0.1	0.10
SK-51-01	06/07/2010	0.2		ND	0.10
SY-02-01	06/09/2010	0.2		0.2	0.20
UT-01-01	06/10/2010	0.2		ND	0.10
UT-02-01	06/08/2010	0.2		0.2	0.10
UT-03-01	06/10/2010	0.2		ND	0.10
UT-03-02	06/10/2010	0.2		ND	
UT-03-03	06/10/2010	0.2		ND	
UT-03-04	06/10/2010	0.2		ND	
UT-11-01	06/10/2010	0.2		ND	0.10
UT-12-01	06/08/2010	0.2		ND	0.10
UT-41-01	06/09/2010	0.2		0.4	0.40
UT-41-02	06/09/2010	0.2		0.4	
UT-41-03	06/09/2010	0.2		0.4	
UT-41-04	06/09/2010	0.2		0.4	

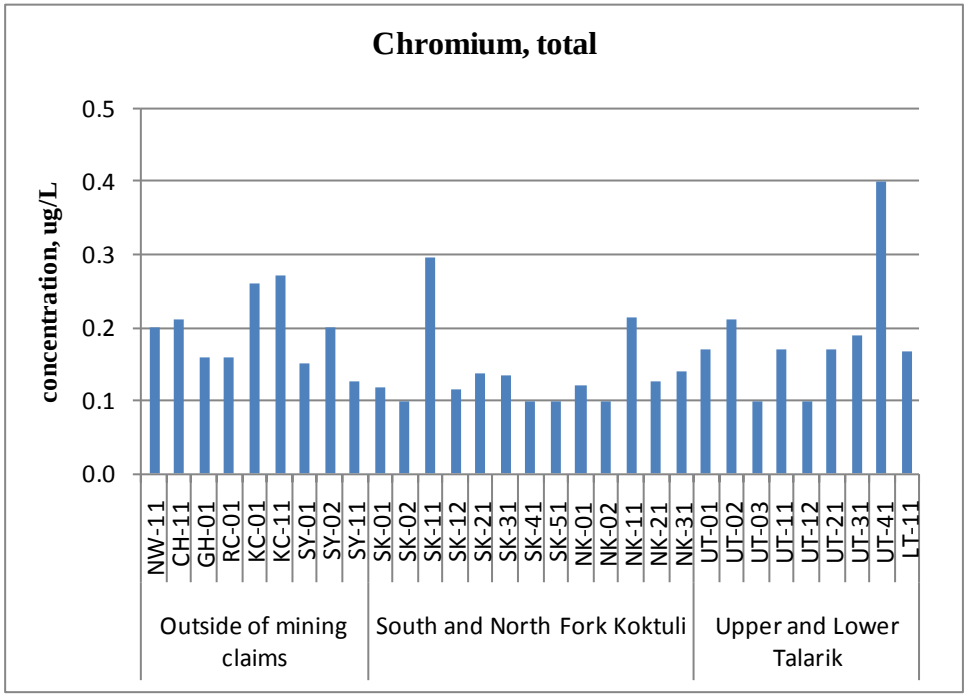
Chromium, Dissolved in ug/L

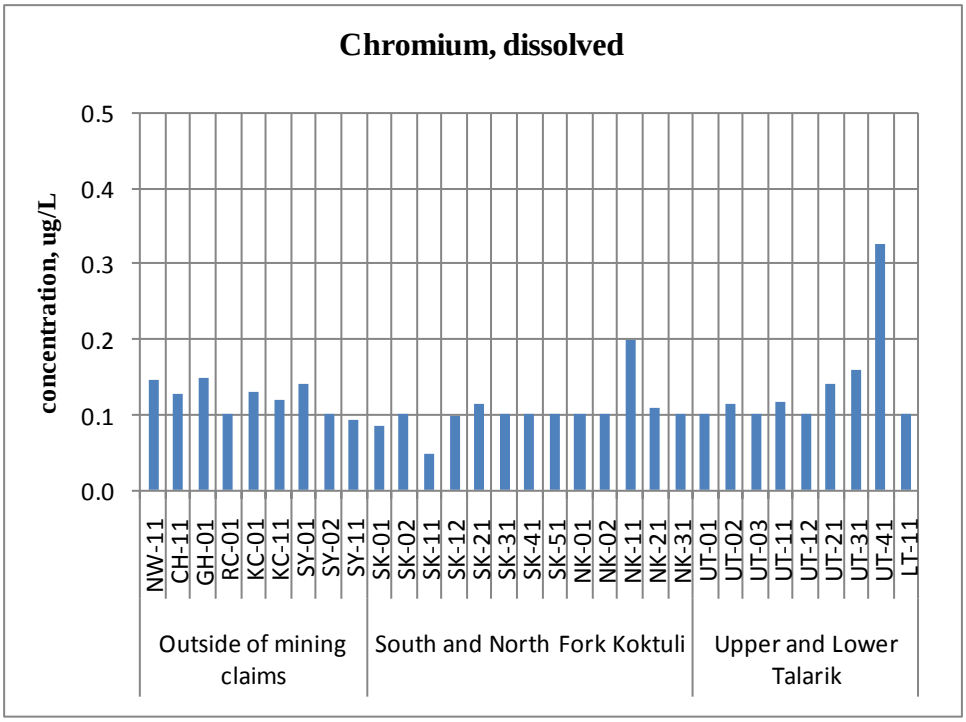
Sample	Date	MRL	MDL	Result	mean
NW11-01	05/01/2009	0.2	0.05	0.15	0.147
NW11-02	05/01/2009	0.2	0.05	0.15	
NW11-03	05/01/2009	0.2	0.05	0.14	
SK-01-01	05/01/2009	0.2	0.05	0.08	0.095
SK-01-02	05/01/2009	0.2	0.05	0.11	
SK-01-03	05/01/2009	0.2	0.05	ND	
UT-11-01	05/01/2009	0.2	0.05	0.11	0.117
UT-11-02	05/01/2009	0.2	0.05	0.11	
UT-11-03	05/01/2009	0.2	0.05	0.13	
KC-01-01	05/02/2009	0.2	0.05	0.11	0.130
KC-01-02	05/02/2009	0.2	0.05	0.15	
KC-01-03	05/02/2009	0.2	0.05	0.13	
UT-02-01	05/02/2009	0.2	0.05	0.12	0.113
UT-02-02	05/02/2009	0.2	0.05	0.11	
UT-02-03	05/02/2009	0.2	0.05	0.11	
LT-11-01	05/02/2009	0.2	0.05	0.08	0.083
LT-11-02	05/02/2009	0.2	0.05	0.07	
LT-11-03	05/02/2009	0.2	0.05	0.1	
SY-11-01	05/02/2009	0.2	0.05	0.1	0.080
SY-11-02	05/02/2009	0.2	0.05	0.08	
SY-11-03	05/02/2009	0.2	0.05	0.06	
SK-21-01	05/02/2009	0.2	0.05	0.09	0.090
SK-21-02	05/02/2009	0.2	0.05	0.07	
SK-21-03	05/02/2009	0.2	0.05	0.11	
NK-01-01	05/02/2009	0.2	0.05	0.09	0.087
NK-01-02	05/02/2009	0.2	0.05	0.08	
NK-01-03	05/02/2009	0.2	0.05	0.09	
UT01-01	05/03/2009	0.2	0.05	0.1	0.090
UT01-02	05/03/2009	0.2	0.05	0.08	
NK-21-01	05/03/2009	0.2	0.05	0.11	0.150
NK-21-02	05/03/2009	0.2	0.05	0.19	
NK-11-01	05/03/2009	0.2	0.05	0.18	0.150
NK-11-02	05/03/2009	0.2	0.05	0.12	
NK-11-03	05/03/2009	0.2	0.05	0.15	
CH-11-01	05/03/2009	0.2	0.05	0.12	0.127
CH-11-02	05/03/2009	0.2	0.05	0.14	
CH-11-03	05/03/2009	0.2	0.05	0.12	
NK-21-01	05/04/2009	0.2	0.05	0.08	0.080
SK-11-01	05/04/2009	0.2	0.05	0.07	0.070
SK-11-02	05/04/2009	0.2	0.05	ND	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.2	0.02	0.15	0.150
NK11-01	06/04/2009	0.2	0.02	0.21	0.210
SK01-01	06/06/2009	0.2	0.02	0.1	0.100
SK01-02	06/06/2009	0.2	0.02	0.1	
SK01-03	06/06/2009	0.2	0.02	0.1	
SK01-04	06/06/2009	0.2	0.02	0.1	
SK12-01	06/06/2009	0.2	0.02	0.08	0.080
CH11-01	06/05/2009	0.2	0.02	0.14	0.145
CH11-02	06/05/2009	0.2	0.02	0.15	
CH11-03	06/05/2009	0.2	0.02	0.15	
CH11-04	06/05/2009	0.2	0.02	0.14	
UT01-01	06/05/2009	0.2	0.02	0.14	0.140
UT11-01	06/05/2009	0.2	0.02	0.14	0.140
SK31-01	06/05/2009	0.2	0.02	0.1	0.100
UT02-01	06/05/2009	0.2	0.02	0.14	0.140
NK01-01	06/06/2009	0.2	0.02	0.1	0.100
SK21-01	06/06/2009	0.2	0.02	0.14	0.140
NK31-01	06/06/2009	0.2	0.02	0.1	0.100
NK21-01	06/06/2009	0.2	0.02	0.09	0.090
SY11-01	06/07/2009	0.2	0.02	0.1	0.108
SY11-02	06/07/2009	0.2	0.02	0.11	
SY11-03	06/07/2009	0.2	0.02	0.12	
SY11-04	06/07/2009	0.2	0.02	0.1	
KC11-01	06/07/2009	0.2	0.02	0.12	0.120
LT11-01	06/07/2009	0.2	0.02	0.12	0.120
KC01-01	06/07/2009	0.2	0.02	0.17	0.178
KC01-02	06/07/2009	0.2	0.02	0.19	
KC01-03	06/07/2009	0.2	0.02	0.18	
KC01-04	06/07/2009	0.2	0.02	0.17	
SY01-01	06/07/2009	0.2	0.02	0.14	0.140
RC01-01	06/08/2009	0.2	0.02	0.1	0.100
UT21-01	06/08/2009	0.2	0.02	0.14	0.140
UT31-01	06/08/2009	0.2	0.02	0.16	0.160
NW11-01	06/08/2009	0.2	0.02	0.16	0.160

Chromium, Dissolved, in ug/L
Mean is calculated as ½ MRL when non-detect

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.2		ND	0.10
KC-01-01	06/09/2010	0.2		0.1	0.10
NK-01-02	06/10/2010	0.2		ND	0.10
NK-01-03	06/10/2010	0.2		ND	
NK-01-04	06/10/2010	0.2		ND	
NK-02-01	06/07/2010	0.2		ND	0.10
NK-11-01	06/07/2010	0.2		0.2	0.10
NW-11-01	06/09/2010	0.2		0.1	0.10
SK-02-01	06/08/2010	0.2		ND	0.10
SK-12-01	06/09/2010	0.2		0.1	0.10
SK-12-02	06/09/2010	0.2		0	
SK-12-03	06/09/2010	0.2		0	
SK-12-04	06/09/2010	0.2		0.1	
SK-31-01	06/10/2010	0.2		ND	0.10
SK-41-01	06/09/2010	0.2		0.1	0.10
SK-51-01	06/07/2010	0.2		ND	0.10
SY-02-01	06/09/2010	0.2		0.1	0.10
UT-01-01	06/10/2010	0.2		ND	0.10
UT-02-01	06/08/2010	0.2		ND	0.10
UT-03-01	06/10/2010	0.2		ND	0.10
UT-03-02	06/10/2010	0.2		ND	
UT-03-03	06/10/2010	0.2		ND	
UT-03-04	06/10/2010	0.2		ND	
UT-11-01	06/10/2010	0.2		ND	0.10
UT-12-01	06/08/2010	0.2		ND	0.10
UT-41-01	06/09/2010	0.2		0.4	0.33
UT-41-02	06/09/2010	0.2		0.3	
UT-41-03	06/09/2010	0.2		0.3	
UT-41-04	06/09/2010	0.2		0.3	





(Standard is 100 ug/L)

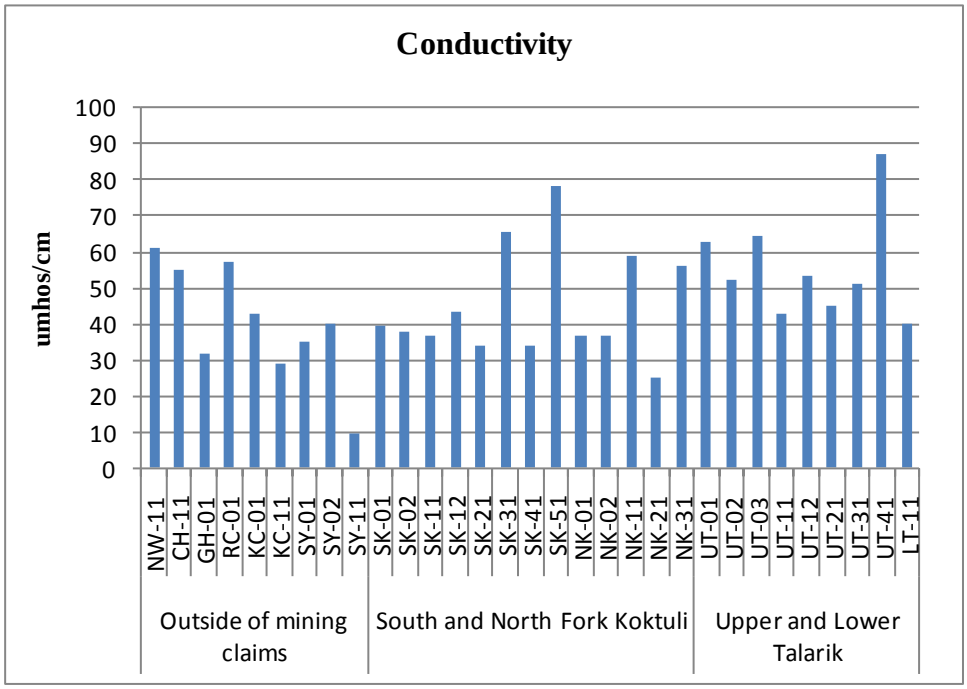
Conductivity at 25 degrees C in uMhos/cm

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	2.0	0.40	46	45
NW-11-02	05/01/2009	2.0	0.40	43	
SK-01-01	05/01/2009	2.0	0.40	42	42
SK-01-02	05/01/2009	2.0	0.40	42	
UT-11-01	05/01/2009	2.0	0.40	44	44
UT-11-02	05/01/2009	2.0	0.40	43	
KC-01-01	05/02/2009	2.0	0.40	18	18
KC-01-02	05/02/2009	2.0	0.40	18	
UT-02-01	05/02/2009	2.0	0.40	40	40
UT-02-02	05/02/2009	2.0	0.40	40	
LT-11-01	05/02/2009	2.0	0.40	34	34
LT-11-02	05/02/2009	2.0	0.40	34	
SY-11-01	05/02/2009	2.0	0.40	10	11
SY-11-02	05/02/2009	2.0	0.40	11	
SK-21-01	05/02/2009	2.0	0.40	21	21
SK-21-02	05/02/2009	2.0	0.40	21	
NK-01-01	05/02/2009	2.0	0.40	27	27
NK-01-02	05/02/2009	2.0	0.40	27	
UT01-01	05/03/2009	2.0	0.40	44	45
UT01-02	05/03/2009	2.0	0.40	46	
NK-21-01	05/03/2009	2.0	0.40	27	27
NK-21-02	05/03/2009	2.0	0.40	27	
NK-11-01	05/03/2009	2.0	0.40	39	40
NK-11-02	05/03/2009	2.0	0.40	40	
CH-11-01	05/03/2009	2.0	0.40	47	47
CH-11-02	05/03/2009	2.0	0.40	47	
SK-11-01	05/04/2009	2.0	0.40	37	37
SK-11-02	05/04/2009	2.0	0.40	37	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	2.0	0.40	32	32
NK11-01	06/04/2009	2.0	0.40	59	59
SK01-01	06/06/2009	2.0	0.40	37	38
SK01-02	06/06/2009	2.0	0.40	38	38
SK12-01	06/06/2009	2.0	0.40	41	41
CH11-01	06/05/2009	2.0	0.40	55	55
CH11-02	06/05/2009	2.0	0.40	55	55
UT01-01	06/05/2009	2.0	0.40	79	79
UT11-01	06/05/2009	2.0	0.40	37	37
SK31-01	06/05/2009	2.0	0.40	54	54
UT02-01	06/05/2009	2.0	0.40	52	52
NK01-01	06/06/2009	2.0	0.40	37	37
SK21-01	06/06/2009	2.0	0.40	47	47
NK31-01	06/06/2009	2.0	0.40	56	56
NK21-01	NA	2.0	0.40	23	23
SY11-01	06/07/2009	2.0	0.40	9	9
SY11-02	06/07/2009	2.0	0.40	8	8
KC11-01	06/07/2009	2.0	0.40	29	29
LT11-01	06/07/2009	2.0	0.40	46	46
KC01-01	06/07/2009	2.0	0.40	43	43
KC01-02	06/07/2009	2.0	0.40	43	43
SY01-01	06/07/2009	2.0	0.40	35	35
RC01-01	06/08/2009	2.0	0.40	57	57
UT21-01	06/08/2009	2.0	0.40	45	45
UT31-01	06/08/2009	2.0	0.40	51	51
NW11-01	06/08/2009	2.0	0.40	61	61

Conductivity, umhos/cm

Sample	Date	MRL	MDL	Result	mean
CH-11-01	06/07/2010	2		64.1	64
KC-01-01	06/09/2010	2		44.9	45
NK-01-01	06/10/2010	2		41.5	41
NK-01-02	06/10/2010	2		41.4	
NK-02-01	06/07/2010	2		36.6	37
NK-11-01	06/07/2010	2		64.8	65
NW-11-01	06/09/2010	2		64	64
SK-02-01	06/08/2010	2		37.9	38
SK-12-01	06/09/2010	2		46	46
SK-12-02	06/09/2010	2		46.2	
SK-31-01	06/10/2010	2		77.4	77
SK-41-01	06/09/2010	2		34.2	34
SK-51-01	06/07/2010	2		78	78
SY-02-01	06/09/2010	2		39.8	40
UT-01-01	06/10/2010	2		96.5	97
UT-02-01	06/08/2010	2		64	64
UT-03-01	06/10/2010	2		66.1	65
UT-03-02	06/10/2010	2		63.3	
UT-11-01	06/10/2010	2		53.7	54
UT-12-01	06/08/2010	2		53.5	54
UT-41-01	06/09/2010	2		85.5	87
UT-41-02	06/09/2010	2		88.4	



Copper, Total in ug/L Standard is 1.8 ug/L at 15 mg/L hardness as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.1	0.02	0.56	0.54
NW-11-02	05/01/2009	0.1	0.02	0.55	
NW-11-03	05/01/2009	0.1	0.02	0.52	
SK-01-01	05/01/2009	0.1	0.02	0.27	0.26
SK-01-02	05/01/2009	0.1	0.02	0.27	
SK-01-03	05/01/2009	0.1	0.02	0.25	
UT-11-01	05/01/2009	0.1	0.02	0.2	0.20
UT-11-02	05/01/2009	0.1	0.02	0.21	
UT-11-03	05/01/2009	0.1	0.02	0.2	
KC-01-01	05/02/2009	0.1	0.02	0.8	0.80
KC-01-02	05/02/2009	0.1	0.02	0.8	
KC-01-03	05/02/2009	0.1	0.02	0.79	
UT-02-01	05/02/2009	0.1	0.02	0.48	0.49
UT-02-02	05/02/2009	0.1	0.02	0.48	
UT-02-03	05/02/2009	0.1	0.02	0.5	
LT-11-01	05/02/2009	0.1	0.02	0.11	0.12
LT-11-02	05/02/2009	0.1	0.02	0.12	
LT-11-03	05/02/2009	0.1	0.02	0.12	
SY-11-01	05/02/2009	0.1	0.02	0.22	0.22
SY-11-02	05/02/2009	0.1	0.02	0.21	
SY-11-03	05/02/2009	0.1	0.02	0.23	
SK-21-01	05/02/2009	0.1	0.02	0.15	0.15
SK-21-02	05/02/2009	0.1	0.02	0.16	
SK-21-03	05/02/2009	0.1	0.02	0.15	
NK-01-01	05/02/2009	0.1	0.02	0.43	0.41
NK-01-02	05/02/2009	0.1	0.02	0.41	
NK-01-03	05/02/2009	0.1	0.02	0.38	
UT01-01	05/03/2009	0.1	0.02	0.22	0.22
UT01-02	05/03/2009	0.1	0.02	0.22	
NK-21-01	05/03/2009	0.1	0.02	0.35	0.33
NK-21-02	05/03/2009	0.1	0.02	0.31	
NK-11-01	05/03/2009	0.1	0.02	0.12	0.12
NK-11-02	05/03/2009	0.1	0.02	0.13	
NK-11-03	05/03/2009	0.1	0.02	0.11	
CH-11-01	05/03/2009	0.1	0.02	1.36	1.35
CH-11-02	05/03/2009	0.1	0.02	1.36	
CH-11-03	05/03/2009	0.1	0.02	1.32	
NK-21-01	05/04/2009	0.1	0.02	0.29	0.29
SK-11-01	05/04/2009	0.1	0.02	2.7	2.56
SK-11-02	05/04/2009	0.1	0.02	2.42	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.1	0.02	0.2	0.20
NK11-01	06/04/2009	0.1	0.02	0.41	0.41
SK01-01	06/06/2009	0.1	0.02	0.83	0.80
SK01-02	06/06/2009	0.1	0.02	0.78	
SK01-03	06/06/2009	0.1	0.02	0.79	
SK01-04	06/06/2009	0.1	0.02	0.8	
SK12-01	06/06/2009	0.1	0.02	5.6	5.60
CH11-01	06/05/2009	0.1	0.02	0.35	0.35
CH11-02	06/05/2009	0.1	0.02	0.34	
CH11-03	06/05/2009	0.1	0.02	0.35	
CH11-04	06/05/2009	0.1	0.02	0.36	
UT01-01	06/05/2009	0.1	0.02	0.15	0.15
UT11-01	06/05/2009	0.1	0.02	0.15	0.15
SK31-01	06/05/2009	0.1	0.02	5.31	5.31
UT02-01	06/05/2009	0.1	0.02	0.27	0.27
NK01-01	06/06/2009	0.1	0.02	0.21	0.21
SK21-01	06/06/2009	0.1	0.02	0.04	0.04
NK31-01	06/06/2009	0.1	0.02	0.31	0.31
NK21-01	06/06/2009	0.1	0.02	0.2	0.20
SY11-01	06/07/2009	0.1	0.02	0.16	0.17
SY11-02	06/07/2009	0.1	0.02	0.15	
SY11-03	06/07/2009	0.1	0.02	0.13	
SY11-04	06/07/2009	0.1	0.02	0.23	
KC11-01	06/07/2009	0.1	0.02	0.34	0.34
LT11-01	06/07/2009	0.1	0.02	0.16	0.16
KC01-01	06/07/2009	0.1	0.02	0.35	0.22
KC01-02	06/07/2009	0.1	0.02	0.16	
KC01-03	06/07/2009	0.1	0.02	0.18	
KC01-04	06/07/2009	0.1	0.02	0.17	
SY01-01	06/07/2009	0.1	0.02	0.09	0.09
RC01-01	06/08/2009	0.1	0.02	0.5	0.50
UT21-01	06/08/2009	0.1	0.02	0.12	0.12
UT31-01	06/08/2009	0.1	0.02	0.05	0.05
NW11-01	06/08/2009	0.1	0.02	0.2	0.20

Copper, Total in ug/L Standard is 1.8 ug/L at 15 mg/L hardness as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.1		0.6	0.6
KC-01-01	06/09/2010	0.1		0.2	0.2
NK-01-01	06/10/2010	0.1		0.3	
NK-01-02	06/10/2010	0.1		0.3	0.25
NK-01-03	06/10/2010	0.1		0.2	
NK-01-04	06/10/2010	0.1		0.2	
NK-02-01	06/07/2010	0.1		0.2	0.2
NK-11-01	06/07/2010	0.1		0.5	0.5
NW-11-01	06/09/2010	0.1		0.2	0.2
SK-02-01	06/08/2010	0.1		1.5	1.5
SK-12-01	06/09/2010	0.1		2.2	2.25
SK-12-02	06/09/2010	0.1		2.5	
SK-12-03	06/09/2010	0.1		2.1	
SK-12-04	06/09/2010	0.1		2.2	
SK-31-01	06/10/2010	0.1		4.4	4.4
SK-41-01	06/09/2010	0.1		0.2	0.2
SK-51-01	06/07/2010	0.1		1.3	1.3
SY-02-01	06/09/2010	0.1		0.2	0.2
UT-01-01	06/10/2010	0.1		0.1	0.1
UT-02-01	06/08/2010	0.1		0.2	0.2
UT-03-01	06/10/2010	0.1		0.2	0.2
UT-03-02	06/10/2010	0.1		0.2	
UT-03-03	06/10/2010	0.1		0.2	
UT-03-04	06/10/2010	0.1		0.3	
UT-11-01	06/10/2010	0.1		0.1	0.1
UT-12-01	06/08/2010	0.1		0.2	0.2
UT-41-01	06/09/2010	0.1		0.1	0.1
UT-41-02	06/09/2010	0.1		0.1	
UT-41-03	06/09/2010	0.1		0.1	
UT-41-04	06/09/2010	0.1		0.1	

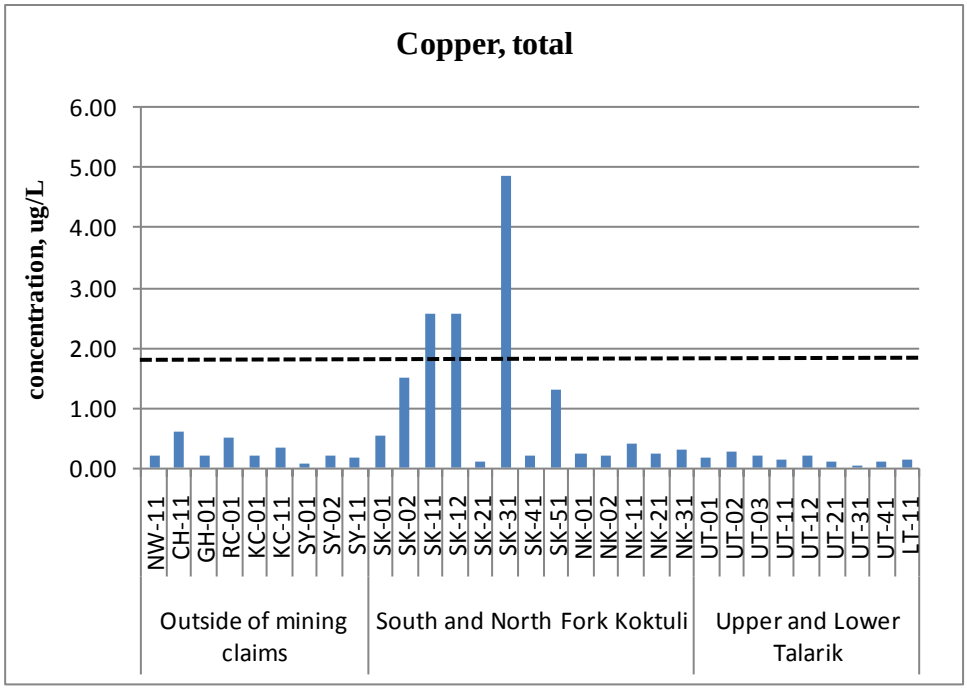
Copper, Dissolved in ug/L Standard is 1.77 ug/L at 15 mg/L hardness as chronic aquatic life criteria

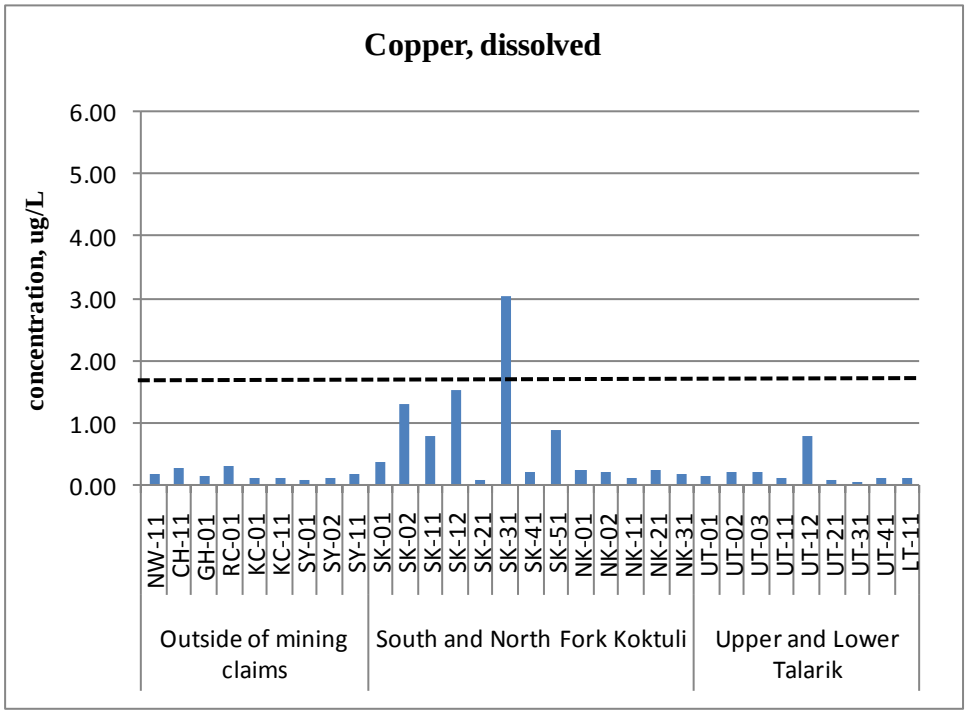
Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.1	0.02	0.17	0.17
NW-11-02	05/01/2009	0.1	0.02	0.18	
NW-11-03	05/01/2009	0.1	0.02	0.16	
SK-01-01	05/01/2009	0.1	0.02	0.18	0.19
SK-01-02	05/01/2009	0.1	0.02	0.19	
SK-01-03	05/01/2009	0.1	0.02	0.2	
UT-11-01	05/01/2009	0.1	0.02	0.17	0.17
UT-11-02	05/01/2009	0.1	0.02	0.17	
UT-11-03	05/01/2009	0.1	0.02	0.16	
KC-01-01	05/02/2009	0.1	0.02	0.19	0.18
KC-01-02	05/02/2009	0.1	0.02	0.18	
KC-01-03	05/02/2009	0.1	0.02	0.17	
UT-02-01	05/02/2009	0.1	0.02	0.23	0.23
UT-02-02	05/02/2009	0.1	0.02	0.22	
UT-02-03	05/02/2009	0.1	0.02	0.23	
LT-11-01	05/02/2009	0.1	0.02	0.09	0.10
LT-11-02	05/02/2009	0.1	0.02	0.09	
LT-11-03	05/02/2009	0.1	0.02	0.12	
SY-11-01	05/02/2009	0.1	0.02	0.21	0.21
SY-11-02	05/02/2009	0.1	0.02	0.19	
SY-11-03	05/02/2009	0.1	0.02	0.24	
SK-21-01	05/02/2009	0.1	0.02	0.09	0.09
SK-21-02	05/02/2009	0.1	0.02	0.09	
SK-21-03	05/02/2009	0.1	0.02	0.09	
NK-01-01	05/02/2009	0.1	0.02	0.27	0.27
NK-01-02	05/02/2009	0.1	0.02	0.28	
NK-01-03	05/02/2009	0.1	0.02	0.26	
UT01-01	05/03/2009	0.1	0.02	0.16	0.17
UT01-02	05/03/2009	0.1	0.02	0.17	
NK-21-01	05/03/2009	0.1	0.02	0.27	0.27
NK-21-02	05/03/2009	0.1	0.02	0.27	
NK-11-01	05/03/2009	0.1	0.02	0.08	0.07
NK-11-02	05/03/2009	0.1	0.02	0.07	
NK-11-03	05/03/2009	0.1	0.02	0.07	
CH-11-01	05/03/2009	0.1	0.02	0.25	0.23
CH-11-02	05/03/2009	0.1	0.02	0.22	
CH-11-03	05/03/2009	0.1	0.02	0.22	
NK-21-01	05/04/2009	0.1	0.02	0.29	0.29
SK-11-01	05/04/2009	0.1	0.02	0.82	0.58
SK-11-02	05/04/2009	0.1	0.02	0.78	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.1	0.02	0.14	0.14
NK11-01	06/04/2009	0.1	0.02	0.15	0.15
SK01-01	06/06/2009	0.1	0.02	0.56	0.57
SK01-02	06/06/2009	0.1	0.02	0.59	
SK01-03	06/06/2009	0.1	0.02	0.57	
SK01-04	06/06/2009	0.1	0.02	0.57	
SK12-01	06/06/2009	0.1	0.02	1.89	1.89
CH11-01	06/05/2009	0.1	0.02	0.32	0.27
CH11-02	06/05/2009	0.1	0.02	0.26	
CH11-03	06/05/2009	0.1	0.02	0.25	
CH11-04	06/05/2009	0.1	0.02	0.24	
UT01-01	06/05/2009	0.1	0.02	0.12	0.12
UT11-01	06/05/2009	0.1	0.02	0.1	0.10
SK31-01	06/05/2009	0.1	0.02	3.57	3.57
UT02-01	06/05/2009	0.1	0.02	0.19	0.19
NK01-01	06/06/2009	0.1	0.02	0.21	0.21
SK21-01	06/06/2009	0.1	0.02	ND	ND
NK31-01	06/06/2009	0.1	0.02	0.17	0.17
NK21-01	06/06/2009	0.1	0.02	0.19	0.19
SY11-01	06/07/2009	0.1	0.02	0.14	0.15
SY11-02	06/07/2009	0.1	0.02	0.16	
SY11-03	06/07/2009	0.1	0.02	0.15	
SY11-04	06/07/2009	0.1	0.02	0.16	
KC11-01	06/07/2009	0.1	0.02	0.13	0.13
LT11-01	06/07/2009	0.1	0.02	0.13	0.13
KC01-01	06/07/2009	0.1	0.02	0.1	0.10
KC01-02	06/07/2009	0.1	0.02	0.1	
KC01-03	06/07/2009	0.1	0.02	0.09	
KC01-04	06/07/2009	0.1	0.02	0.1	
SY01-01	06/07/2009	0.1	0.02	0.07	0.07
RC01-01	06/08/2009	0.1	0.02	0.3	0.30
UT21-01	06/08/2009	0.1	0.02	0.09	0.09
UT31-01	06/08/2009	0.1	0.02	0.05	0.05
NW11-01	06/08/2009	0.1	0.02	0.14	0.14

Copper, Dissolved, in ug/L
note the lab did not analyze for dissolved copper at sample NK-01-01

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.1		0.3	0.3
KC-01-01	06/09/2010	0.1		0.1	0.1
NK-01-02	06/10/2010	0.1		0.3	0.2
NK-01-03	06/10/2010	0.1		0.2	
NK-01-04	06/10/2010	0.1		0.2	
NK-02-01	06/07/2010	0.1		0.2	0.2
NK-11-01	06/07/2010	0.1		0.1	0.1
NW-11-01	06/09/2010	0.1		0.2	0.2
SK-02-01	06/08/2010	0.1		1.3	1.3
SK-12-01	06/09/2010	0.1		1.4	1.5
SK-12-02	06/09/2010	0.1		1.4	
SK-12-03	06/09/2010	0.1		1.7	
SK-12-04	06/09/2010	0.1		1.4	
SK-31-01	06/10/2010	0.1		2.5	2.5
SK-41-01	06/09/2010	0.1		0.2	0.2
SK-51-01	06/07/2010	0.1		0.9	0.9
SY-02-01	06/09/2010	0.1		0.1	0.1
UT-01-01	06/10/2010	0.1		0.2	0.2
UT-02-01	06/08/2010	0.1		0.2	0.2
UT-03-01	06/10/2010	0.1		0.2	0.2
UT-03-02	06/10/2010	0.1		0.2	
UT-03-03	06/10/2010	0.1		0.2	
UT-03-04	06/10/2010	0.1		0.2	
UT-11-01	06/10/2010	0.1		0.1	0.1
UT-12-01	06/08/2010	0.1		0.8	0.8
UT-41-01	06/09/2010	0.1		0.1	0.1
UT-41-02	06/09/2010	0.1		0.1	
UT-41-03	06/09/2010	0.1		0.1	
UT-41-04	06/09/2010	0.1		0.1	


Copper, total
concentration, ug/L
6.00
5.00
4.00
3.00
2.00
1.00
0.00
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Copper, dissolved
concentration, ug/L
6.00
5.00
4.00
3.00
2.00
1.00
0.00
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

Cyanide, Total in mg/L Standard is 5.2 mg/L as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	0.01	0.003	ND
NW-11-02	05/01/2009	0.01	0.003	ND
SK-01-01	05/01/2009	0.01	0.003	ND
SK-01-02	05/01/2009	0.01	0.003	ND
UT-11-01	05/01/2009	0.01	0.003	ND
UT-11-02	05/01/2009	0.01	0.003	ND
KC-01-01	05/02/2009	0.01	0.003	ND
KC-01-02	05/02/2009	0.01	0.003	ND
UT-02-01	05/02/2009	0.01	0.003	ND
UT-02-02	05/02/2009	0.01	0.003	ND
LT-11-01	05/02/2009	0.01	0.003	ND
LT-11-02	05/02/2009	0.01	0.003	ND
SY-11-01	05/02/2009	0.01	0.003	ND
SY-11-02	05/02/2009	0.01	0.003	ND
SK-21-01	05/02/2009	0.01	0.003	ND
SK-21-02	05/02/2009	0.01	0.003	ND
NK-01-01	05/02/2009	0.01	0.003	ND
NK-01-02	05/02/2009	0.01	0.003	ND
UT01-01	05/03/2009	0.01	0.003	ND
UT01-02	05/03/2009	0.01	0.003	ND
NK-21-01	05/03/2009	0.01	0.003	ND
NK-21-02	05/03/2009	0.01	0.003	ND
NK-11-01	05/03/2009	0.01	0.003	ND
NK-11-02	05/03/2009	0.01	0.003	ND
CH-11-01	05/03/2009	0.01	0.003	ND
CH-11-02	05/03/2009	0.01	0.003	ND
SK-11-01	05/04/2009	0.01	0.003	ND
SK-11-02	05/04/2009	0.01	0.003	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	0.01	0.003	ND
NK11-01	06/04/2009	0.01	0.003	ND
SK01-01	06/06/2009	0.01	0.003	ND
SK01-02	06/06/2009	0.01	0.003	ND
SK12-01	06/06/2009	0.01	0.003	ND
CH11-01	06/05/2009	0.01	0.003	ND
CH11-02	06/05/2009	0.01	0.003	ND
UT01-01	06/05/2009	0.01	0.003	ND
UT11-01	06/05/2009	0.01	0.003	ND
SK31-01	06/05/2009	0.01	0.003	ND
UT02-01	06/05/2009	0.01	0.003	0.006
NK01-01	06/06/2009	0.01	0.003	ND
SK21-01	06/06/2009	0.01	0.003	ND
NK31-01	06/06/2009	0.01	0.003	ND
NK21-01	06/06/2009	0.01	0.003	0.006
SY11-01	06/07/2009	0.01	0.003	0.003
SY11-02	06/07/2009	0.01	0.003	ND
KC11-01	06/07/2009	0.01	0.003	ND
LT11-01	06/07/2009	0.01	0.003	ND
KC01-01	06/07/2009	0.01	0.003	0.005
KC01-02	06/07/2009	0.01	0.003	0.01
SY01-01	06/07/2009	0.01	0.003	ND
RC01-01	06/08/2009	0.01	0.003	ND
UT21-01	06/08/2009	0.01	0.003	ND
UT31-01	06/08/2009	0.01	0.003	ND
NW11-01	06/08/2009	0.01	0.003	ND

Cyanide, in mg/L

Sample	Date	MRL	MDL	Result
CH-11-01	06/07/2010	0.01		ND
KC-01-01	06/09/2010	0.01		ND
NK-01-01	06/10/2010	0.01		ND
NK-01-02	06/10/2010	0.01		ND
NK-02-01	06/07/2010	0.01		ND
NK-11-01	06/07/2010	0.01		ND
NW-11-01	06/09/2010	0.01		ND
SK-02-01	06/08/2010	0.01		ND
SK-12-01	06/09/2010	0.01		ND
SK-12-02	06/09/2010	0.01		ND
SK-31-01	06/10/2010	0.01		ND
SK-41-01	06/09/2010	0.01		ND
SK-51-01	06/07/2010	0.01		ND
SY-02-01	06/09/2010	0.01		ND
UT-01-01	06/10/2010	0.01		ND
UT-02-01	06/08/2010	0.01		ND
UT-03-01	06/10/2010	0.01		ND
UT-03-02	06/10/2010	0.01		ND
UT-11-01	06/10/2010	0.01		ND
UT-12-01	06/08/2010	0.01		ND
UT-41-01	06/09/2010	0.01		ND
UT-41-02	06/09/2010	0.01		ND

Fluoride in mg/L Standard is 1 mg/L as irrigation water

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	0.2	0.010	ND
NW-11-02	05/01/2009	0.2	0.010	ND
SK-01-01	05/01/2009	0.2	0.010	ND
SK-01-02	05/01/2009	0.2	0.010	ND
UT-11-01	05/01/2009	0.2	0.010	ND
UT-11-02	05/01/2009	0.2	0.010	ND
KC-01-01	05/02/2009	0.2	0.010	ND
KC-01-02	05/02/2009	0.2	0.010	ND
UT-02-01	05/02/2009	0.2	0.010	ND
UT-02-02	05/02/2009	0.2	0.010	ND
LT-11-01	05/02/2009	0.2	0.010	ND
LT-11-02	05/02/2009	0.2	0.010	ND
SY-11-01	05/02/2009	0.2	0.010	ND
SY-11-02	05/02/2009	0.2	0.010	ND
SK-21-01	05/02/2009	0.2	0.010	ND
SK-21-02	05/02/2009	0.2	0.010	ND
NK-01-01	05/02/2009	0.2	0.010	ND
NK-01-02	05/02/2009	0.2	0.010	ND
UT01-01	05/03/2009	0.2	0.010	ND
UT01-02	05/03/2009	0.2	0.010	ND
NK-21-01	05/03/2009	0.2	0.010	ND
NK-21-02	05/03/2009	0.2	0.010	ND
NK-11-01	05/03/2009	0.2	0.010	ND
NK-11-02	05/03/2009	0.2	0.010	ND
CH-11-01	05/03/2009	0.2	0.010	ND
CH-11-02	05/03/2009	0.2	0.010	ND
SK-11-01	05/04/2009	0.2	0.010	ND
SK-11-02	05/04/2009	0.2	0.010	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	0.2	0.010	0.041
NK11-01	06/04/2009	0.2	0.010	0.019
SK01-01	06/06/2009	0.2	0.010	ND
SK01-02	06/06/2009	0.2	0.010	ND
SK12-01	06/06/2009	0.2	0.010	ND
CH11-01	06/05/2009	0.2	0.010	ND
CH11-02	06/05/2009	0.2	0.010	ND
UT01-01	06/05/2009	0.2	0.010	0.010
UT11-01	06/05/2009	0.2	0.010	ND
SK31-01	06/05/2009	0.2	0.010	0.012
UT02-01	06/05/2009	0.2	0.010	ND
NK01-01	06/06/2009	0.2	0.010	ND
SK21-01	06/06/2009	0.2	0.010	ND
NK31-01	06/06/2009	0.2	0.010	ND
NK21-01	06/06/2009	0.2	0.010	ND
SY11-01	06/07/2009	0.2	0.010	ND
SY11-02	06/07/2009	0.2	0.010	ND
KC11-01	06/07/2009	0.2	0.010	0.017
LT11-01	06/07/2009	0.2	0.010	ND
KC01-01	06/07/2009	0.2	0.010	ND
KC01-02	06/07/2009	0.2	0.010	ND
SY01-01	06/07/2009	0.2	0.010	ND
RC01-01	06/08/2009	0.2	0.010	ND
UT21-01	06/08/2009	0.2	0.010	ND
UT31-01	06/08/2009	0.2	0.010	ND
NW11-01	06/08/2009	0.2	0.010	ND

2010 samples were not analyzed for fluoride

Iron, Total in ug/L Standard is 1000 ug/L as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	20	2	766	700
NW-11-02	05/01/2009	20	2	672	
NW-11-03	05/01/2009	20	2	662	
SK-01-01	05/01/2009	20	2	114	88
SK-01-02	05/01/2009	20	2	75	
SK-01-03	05/01/2009	20	2	76	
UT-11-01	05/01/2009	20	2	273	263
UT-11-02	05/01/2009	20	2	258	
UT-11-03	05/01/2009	20	2	259	
KC-01-01	05/02/2009	20	2	1070	1070
KC-01-02	05/02/2009	20	2	1070	
KC-01-03	05/02/2009	20	2	1070	
UT-02-01	05/02/2009	20	2	650	646
UT-02-02	05/02/2009	20	2	643	
UT-02-03	05/02/2009	20	2	646	
LT-11-01	05/02/2009	20	2	123	126
LT-11-02	05/02/2009	20	2	126	
LT-11-03	05/02/2009	20	2	128	
SY-11-01	05/02/2009	20	2	36	44
SY-11-02	05/02/2009	20	2	43	
SY-11-03	05/02/2009	20	2	54	
SK-21-01	05/02/2009	20	2	64	66
SK-21-02	05/02/2009	20	2	68	
SK-21-03	05/02/2009	20	2	67	
NK-01-01	05/02/2009	20	2	261	253
NK-01-02	05/02/2009	20	2	249	
NK-01-03	05/02/2009	20	2	248	
UT01-01	05/03/2009	20	4	369	377
UT01-02	05/03/2009	20	4	384	
NK-21-01	05/03/2009	20	4	176	175
NK-21-02	05/03/2009	20	4	174	
NK-11-01	05/03/2009	20	4	205	207
NK-11-02	05/03/2009	20	4	210	
NK-11-03	05/03/2009	20	4	205	
CH-11-01	05/03/2009	20	4	1560	1510
CH-11-02	05/03/2009	20	4	1390	
CH-11-03	05/03/2009	20	4	1580	
NK-21-01	05/04/2009	20	4	172	172
SK-11-01	05/04/2009	20	4	760	702
SK-11-02	05/04/2009	20	4	644	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	20	0.8	209	209
NK11-01	06/04/2009	20	0.8	212	212
SK01-01	06/06/2009	20	0.8	142	136
SK01-02	06/06/2009	20	0.8	137	
SK01-03	06/06/2009	20	0.8	132	
SK01-04	06/06/2009	20	0.8	134	
SK12-01	06/06/2009	20	0.8	518	518
CH11-01	06/05/2009	20	0.8	321	334
CH11-02	06/05/2009	20	0.8	334	
CH11-03	06/05/2009	20	0.8	343	
CH11-04	06/05/2009	20	0.8	338	
UT01-01	06/05/2009	20	0.8	88	88
UT11-01	06/05/2009	20	0.8	139	139
SK31-01	06/05/2009	20	0.8	377	377
UT02-01	06/05/2009	20	0.8	217	217
NK01-01	06/06/2009	20	0.8	150	150
SK21-01	06/06/2009	20	0.8	16	16
NK31-01	06/06/2009	20	0.8	596	596
NK21-01	06/06/2009	20	0.8	102	102
SY11-01	06/07/2009	20	3	26	26
SY11-02	06/07/2009	20	3	27	
SY11-03	06/07/2009	20	3	28	
SY11-04	06/07/2009	20	3	25	
KC11-01	06/07/2009	20	3	456	456
LT11-01	06/07/2009	20	3	99	99
KC01-01	06/07/2009	20	3	504	515
KC01-02	06/07/2009	20	3	520	
KC01-03	06/07/2009	20	3	535	
KC01-04	06/07/2009	20	3	500	
SY01-01	06/07/2009	20	3	103	103
RC01-01	06/08/2009	20	3	259	259
UT21-01	06/08/2009	20	3	103	103
UT31-01	06/08/2009	20	3	27	27
NW11-01	06/08/2009	20	3	187	187

Iron, Total, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	20		530	530
KC-01-01	06/09/2010	20		438	438
NK-01-01	06/10/2010	20		171	169
NK-01-02	06/10/2010	20		168	
NK-01-03	06/10/2010	20		167	
NK-01-04	06/10/2010	20		169	
NK-02-01	06/07/2010	20		241	241
NK-11-01	06/07/2010	20		56	56
NW-11-01	06/09/2010	20		189	189
SK-02-01	06/08/2010	20		278	278
SK-12-01	06/09/2010	20		132	147
SK-12-02	06/09/2010	20		191	
SK-12-03	06/09/2010	20		134	
SK-12-04	06/09/2010	20		130	
SK-31-01	06/10/2010	20		411	411
SK-41-01	06/09/2010	20		45	45
SK-51-01	06/07/2010	20		323	323
SY-02-01	06/09/2010	20		601	601
UT-01-01	06/10/2010	20		81	81
UT-02-01	06/08/2010	20		157	157
UT-03-01	06/10/2010	20		285	288
UT-03-02	06/10/2010	20		286	
UT-03-03	06/10/2010	20		289	
UT-03-04	06/10/2010	20		293	
UT-11-01	06/10/2010	20		100	100
UT-12-01	06/08/2010	20		168	168
UT-41-01	06/09/2010	20		58	46
UT-41-02	06/09/2010	20		47	
UT-41-03	06/09/2010	20		40	
UT-41-04	06/09/2010	20		40	

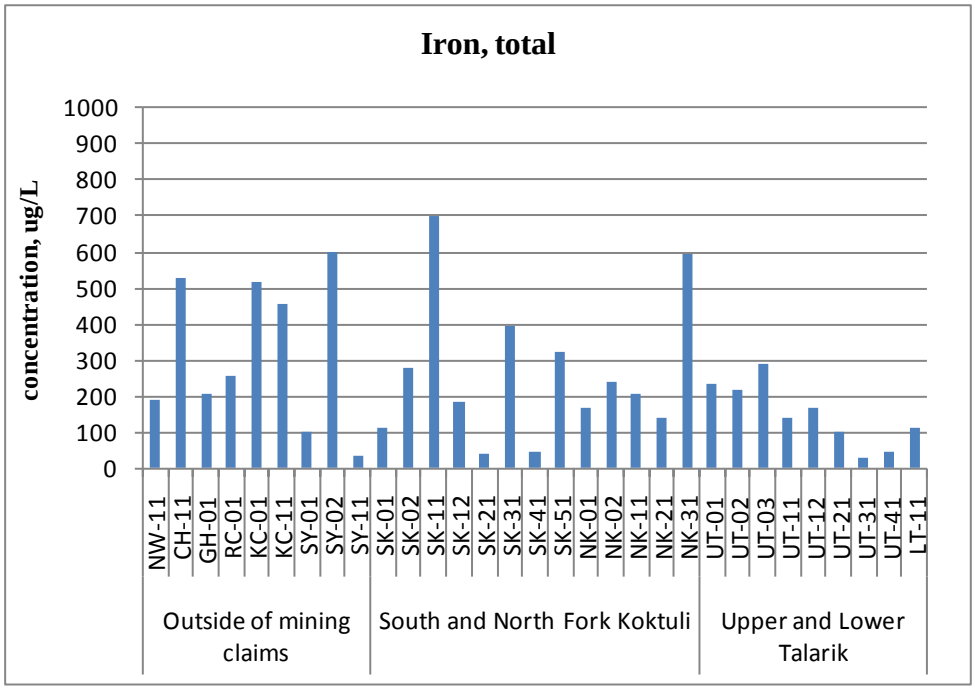
Iron, Dissolved in ug/L

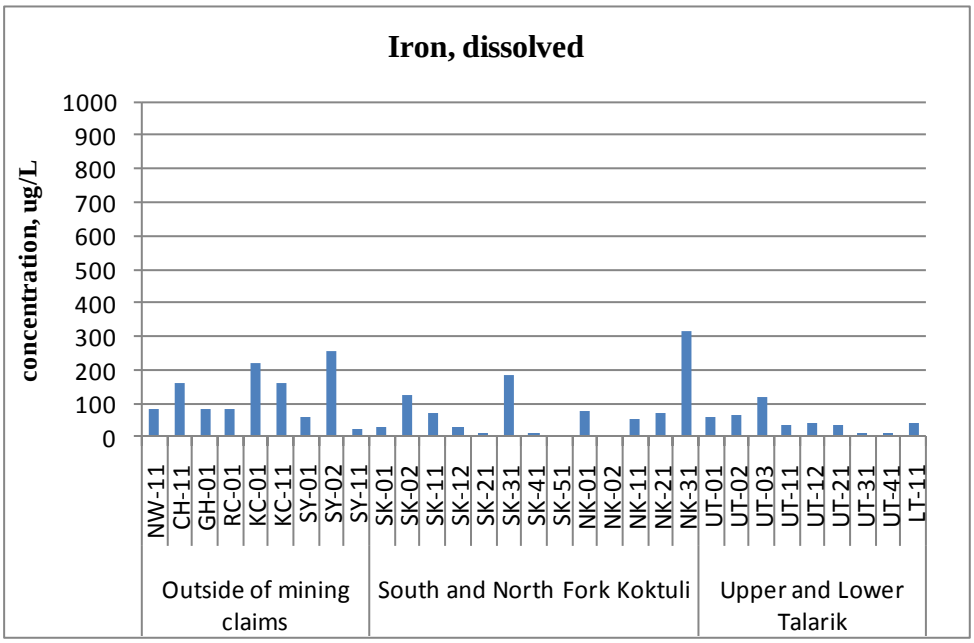
Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	20	2	135	137
NW-11-02	05/01/2009	20	2	138	
NW-11-03	05/01/2009	20	2	138	
SK-01-01	05/01/2009	20	2	28	28
SK-01-02	05/01/2009	20	2	28	
SK-01-03	05/01/2009	20	2	28	
UT-11-01	05/01/2009	20	2	58	56
UT-11-02	05/01/2009	20	2	54	
UT-11-03	05/01/2009	20	2	56	
KC-01-01	05/02/2009	20	2	198	199
KC-01-02	05/02/2009	20	2	201	
KC-01-03	05/02/2009	20	2	199	
UT-02-01	05/02/2009	20	2	122	122
UT-02-02	05/02/2009	20	2	123	
UT-02-03	05/02/2009	20	2	122	
LT-11-01	05/02/2009	20	2	58	60
LT-11-02	05/02/2009	20	2	61	
LT-11-03	05/02/2009	20	2	60	
SY-11-01	05/02/2009	20	2	16	16
SY-11-02	05/02/2009	20	2	16	
SY-11-03	05/02/2009	20	2	17	
SK-21-01	05/02/2009	20	2	19	18
SK-21-02	05/02/2009	20	2	18	
SK-21-03	05/02/2009	20	2	18	
NK-01-01	05/02/2009	20	2	76	76
NK-01-02	05/02/2009	20	2	74	
NK-01-03	05/02/2009	20	2	76	
UT01-01	05/03/2009	20	4	86	85
UT01-02	05/03/2009	20	4	85	
NK-21-01	05/03/2009	20	4	90	89
NK-21-02	05/03/2009	20	4	88	
NK-11-01	05/03/2009	20	4	125	125
NK-11-02	05/03/2009	20	4	124	
NK-11-03	05/03/2009	20	4	125	
CH-11-01	05/03/2009	20	4	222	222
CH-11-02	05/03/2009	20	4	221	
CH-11-03	05/03/2009	20	4	222	
NK-21-01	05/04/2009	20	4	96	96
SK-11-01	05/04/2009	20	4	71	71
SK-11-02	05/04/2009	20	4	70	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	20	0.8	85	85
NK11-01	06/04/2009	20	0.8	51	51
SK01-01	06/06/2009	20	0.8	32	31
SK01-02	06/06/2009	20	0.8	31	
SK01-03	06/06/2009	20	0.8	30	
SK01-04	06/06/2009	20	0.8	30	
SK12-01	06/06/2009	20	0.8	32	32
CH11-01	06/05/2009	20	0.8	163	158
CH11-02	06/05/2009	20	0.8	158	
CH11-03	06/05/2009	20	0.8	155	
CH11-04	06/05/2009	20	0.8	157	
UT01-01	06/05/2009	20	0.8	32	32
UT11-01	06/05/2009	20	0.8	31	31
SK31-01	06/05/2009	20	0.8	161	161
UT02-01	06/05/2009	20	0.8	65	65
NK01-01	06/06/2009	20	0.8	62	62
SK21-01	06/06/2009	20	0.8	6	6
NK31-01	06/06/2009	20	0.8	317	317
NK21-01	06/06/2009	20	0.8	51	51
SY11-01	06/07/2009	20	3	26	26
SY11-02	06/07/2009	20	3	24	
SY11-03	06/07/2009	20	3	25	
SY11-04	06/07/2009	20	3	27	
KC11-01	06/07/2009	20	3	161	161
LT11-01	06/07/2009	20	3	26	26
KC01-01	06/07/2009	20	3	236	222
KC01-02	06/07/2009	20	3	234	
KC01-03	06/07/2009	20	3	212	
KC01-04	06/07/2009	20	3	205	
SY01-01	06/07/2009	20	3	61	61
RC01-01	06/08/2009	20	3	82	82
UT21-01	06/08/2009	20	3	34	34
UT31-01	06/08/2009	20	3	12	12
NW11-01	06/08/2009	20	3	86	86

Iron, Dissolved, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
KC-01-01	06/09/2010	20		221	221
NK-01-01	06/10/2010	20		90	92
NK-01-02	06/10/2010	20		93	
NK-01-03	06/10/2010	20		91	
NK-01-04	06/10/2010	20		94	
NW-11-01	06/09/2010	20		83	83
SK-02-01	06/08/2010	20		125	125
SK-12-01	06/09/2010	20		28	29
SK-12-02	06/09/2010	20		29	
SK-12-03	06/09/2010	20		29	
SK-12-04	06/09/2010	20		29	
SK-31-01	06/10/2010	20		213	213
SK-41-01	06/09/2010	20		ND	10
SY-02-01	06/09/2010	20		256	256
UT-01-01	06/10/2010	20		36	36
UT-02-01	06/08/2010	20		67	67
UT-03-01	06/10/2010	20		116	116
UT-03-02	06/10/2010	20		120	
UT-03-03	06/10/2010	20		115	
UT-03-04	06/10/2010	20		114	
UT-11-01	06/10/2010	20		36	36
UT-12-01	06/08/2010	20		42	42
UT-41-01	06/09/2010	20		ND	10
UT-41-02	06/09/2010	20		ND	
UT-41-03	06/09/2010	20		ND	
UT-41-04	06/09/2010	20		ND	


Iron, total
concentration, ug/L
1000
900
800
700
600
500
400
300
200
100
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Iron, dissolved
concentration, ug/L
1000
900
800
700
600
500
400
300
200
100
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

Lead, Total in ug/L Standard is 0.28 ug/L at 15 mg/L hardness as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.02	0.006	0.369	0.34
NW-11-02	05/01/2009	0.02	0.006	0.327	
NW-11-03	05/01/2009	0.02	0.006	0.311	
SK-01-01	05/01/2009	0.02	0.006	0.151	0.15
SK-01-02	05/01/2009	0.02	0.006	0.152	
SK-01-03	05/01/2009	0.02	0.006	0.156	
UT-11-01	05/01/2009	0.02	0.006	0.17	0.17
UT-11-02	05/01/2009	0.02	0.006	0.17	
UT-11-03	05/01/2009	0.02	0.006	0.17	
KC-01-01	05/02/2009	0.02	0.006	0.432	0.43
KC-01-02	05/02/2009	0.02	0.006	0.436	
KC-01-03	05/02/2009	0.02	0.006	0.424	
UT-02-01	05/02/2009	0.02	0.006	0.294	0.29
UT-02-02	05/02/2009	0.02	0.006	0.284	
UT-02-03	05/02/2009	0.02	0.006	0.284	
LT-11-01	05/02/2009	0.02	0.006	0.141	0.15
LT-11-02	05/02/2009	0.02	0.006	0.161	
LT-11-03	05/02/2009	0.02	0.006	0.143	
SY-11-01	05/02/2009	0.02	0.006	0.172	0.14
SY-11-02	05/02/2009	0.02	0.006	0.17	
SY-11-03	05/02/2009	0.02	0.006	0.092	
SK-21-01	05/02/2009	0.02	0.006	0.071	0.07
SK-21-02	05/02/2009	0.02	0.006	0.069	
SK-21-03	05/02/2009	0.02	0.006	0.067	
NK-01-01	05/02/2009	0.02	0.006	0.122	0.11
NK-01-02	05/02/2009	0.02	0.006	0.114	
NK-01-03	05/02/2009	0.02	0.006	0.103	
UT01-01	05/03/2009	0.02	0.006	0.025	0.03
UT01-02	05/03/2009	0.02	0.006	0.025	
NK-21-01	05/03/2009	0.02	0.006	ND	ND
NK-21-02	05/03/2009	0.02	0.006	ND	
NK-11-01	05/03/2009	0.02	0.006	ND	ND
NK-11-02	05/03/2009	0.02	0.006	ND	
NK-11-03	05/03/2009	0.02	0.006	ND	
CH-11-01	05/03/2009	0.02	0.006	0.638	0.60
CH-11-02	05/03/2009	0.02	0.006	0.59	
CH-11-03	05/03/2009	0.02	0.006	0.565	
NK-21-01	05/04/2009	0.02	0.006	ND	ND
SK-11-01	05/04/2009	0.02	0.006	0.85	0.54
SK-11-02	05/04/2009	0.02	0.006	0.749	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.02	0.005	0.032	0.03
NK11-01	06/04/2009	0.02	0.005	0.044	0.04
SK01-01	06/06/2009	0.02	0.005	0.055	0.05
SK01-02	06/06/2009	0.02	0.005	0.051	
SK01-03	06/06/2009	0.02	0.005	0.05	
SK01-04	06/06/2009	0.02	0.005	0.052	
SK12-01	06/06/2009	0.02	0.005	0.9	0.90
CH11-01	06/05/2009	0.02	0.005	0.042	0.05
CH11-02	06/05/2009	0.02	0.005	0.052	
CH11-03	06/05/2009	0.02	0.005	0.041	
CH11-04	06/05/2009	0.02	0.005	0.046	
UT01-01	06/05/2009	0.02	0.005	0.037	0.04
UT11-01	06/05/2009	0.02	0.005	0.038	0.04
SK31-01	06/05/2009	0.02	0.005	0.042	0.04
UT02-01	06/05/2009	0.02	0.005	0.04	0.04
NK01-01	06/06/2009	0.02	0.005	0.014	0.01
SK21-01	06/06/2009	0.02	0.005	0.005	0.01
NK31-01	06/06/2009	0.02	0.005	0.024	0.02
NK21-01	06/06/2009	0.02	0.005	0.01	0.01
SY11-01	06/07/2009	0.02	0.005	0.012	0.02
SY11-02	06/07/2009	0.02	0.005	0.018	
SY11-03	06/07/2009	0.02	0.005	0.01	
SY11-04	06/07/2009	0.02	0.005	0.035	
KC11-01	06/07/2009	0.02	0.005	0.081	0.08
LT11-01	06/07/2009	0.02	0.005	0.049	0.05
KC01-01	06/07/2009	0.02	0.005	0.043	0.04
KC01-02	06/07/2009	0.02	0.005	0.028	
KC01-03	06/07/2009	0.02	0.005	0.044	
KC01-04	06/07/2009	0.02	0.005	0.033	
SY01-01	06/07/2009	0.02	0.005	0.019	0.02
RC01-01	06/08/2009	0.02	0.005	0.269	0.27
UT21-01	06/08/2009	0.02	0.005	0.028	0.03
UT31-01	06/08/2009	0.02	0.005	0.013	0.01
NW11-01	06/08/2009	0.02	0.005	0.047	0.05

Lead, Total, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.02		0.13	0.13
KC-01-01	06/09/2010	0.02		0.03	0.03
NK-01-01	06/10/2010	0.02		0.04	0.03
NK-01-02	06/10/2010	0.02		0.02	
NK-01-03	06/10/2010	0.02		ND	
NK-01-04	06/10/2010	0.02		ND	
NK-02-01	06/07/2010	0.02		0.02	0.02
NK-11-01	06/07/2010	0.02		0.03	0.03
NW-11-01	06/09/2010	0.02		0.03	0.03
SK-02-01	06/08/2010	0.02		ND	0.01
SK-12-01	06/09/2010	0.02		0.16	0.20
SK-12-02	06/09/2010	0.02		0.28	
SK-12-03	06/09/2010	0.02		0.17	
SK-12-04	06/09/2010	0.02		0.17	
SK-31-01	06/10/2010	0.02		0.02	0.02
SK-41-01	06/09/2010	0.02		0.02	0.02
SK-51-01	06/07/2010	0.02		0.05	0.05
SY-02-01	06/09/2010	0.02		0.09	0.09
UT-01-01	06/10/2010	0.02		ND	0.01
UT-02-01	06/08/2010	0.02		ND	0.01
UT-03-01	06/10/2010	0.02		0.03	0.03
UT-03-02	06/10/2010	0.02		0.03	
UT-03-03	06/10/2010	0.02		0.03	
UT-03-04	06/10/2010	0.02		0.04	
UT-11-01	06/10/2010	0.02		ND	0.01
UT-12-01	06/08/2010	0.02		0.04	0.04
UT-41-01	06/09/2010	0.02		0.03	0.02
UT-41-02	06/09/2010	0.02		0.03	
UT-41-03	06/09/2010	0.02		0.01	
UT-41-04	06/09/2010	0.02		0.06	

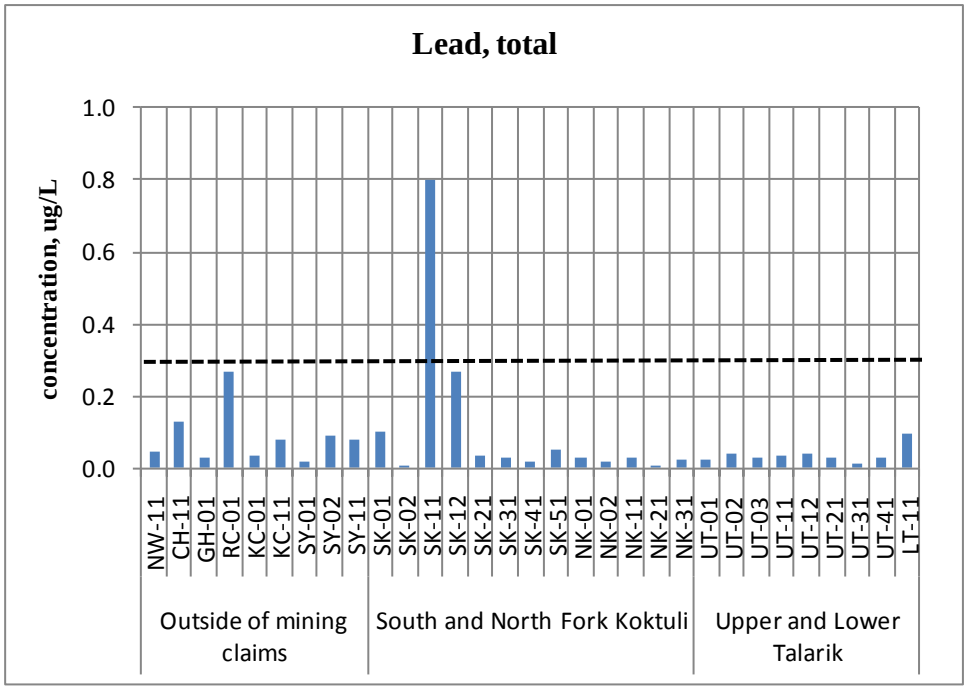
Lead, Dissolved in ug/L Standard is 0.30 ug/L at 15 mg/L hardness as chronic aquatic life criteria

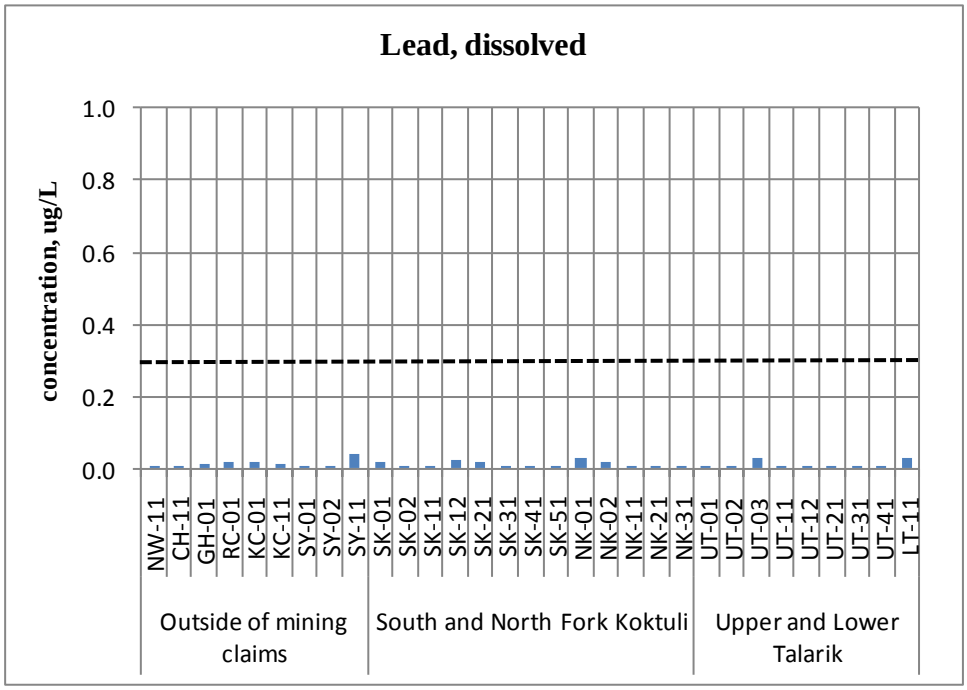
Sample	Date	MRL	MDL	result	mean
NW-11-01	05/01/2009	0.02	0.006	0.038	0.04
NW-11-02	05/01/2009	0.02	0.006	0.048	
NW-11-03	05/01/2009	0.02	0.006	0.038	
SK-01-01	05/01/2009	0.02	0.006	0.046	0.04
SK-01-02	05/01/2009	0.02	0.006	0.036	
SK-01-03	05/01/2009	0.02	0.006	0.034	
UT-11-01	05/01/2009	0.02	0.006	0.038	0.04
UT-11-02	05/01/2009	0.02	0.006	0.032	
UT-11-03	05/01/2009	0.02	0.006	0.036	
KC-01-01	05/02/2009	0.02	0.006	0.045	0.04
KC-01-02	05/02/2009	0.02	0.006	0.038	
KC-01-03	05/02/2009	0.02	0.006	0.037	
UT-02-01	05/02/2009	0.02	0.006	0.04	0.04
UT-02-02	05/02/2009	0.02	0.006	0.039	
UT-02-03	05/02/2009	0.02	0.006	0.041	
LT-11-01	05/02/2009	0.02	0.006	0.037	0.04
LT-11-02	05/02/2009	0.02	0.006	0.037	
LT-11-03	05/02/2009	0.02	0.006	0.036	
SY-11-01	05/02/2009	0.02	0.006	0.076	0.08
SY-11-02	05/02/2009	0.02	0.006	0.075	
SY-11-03	05/02/2009	0.02	0.006	0.08	
SK-21-01	05/02/2009	0.02	0.006	0.039	0.04
SK-21-02	05/02/2009	0.02	0.006	0.037	
SK-21-03	05/02/2009	0.02	0.006	0.035	
NK-01-01	05/02/2009	0.02	0.006	0.037	0.04
NK-01-02	05/02/2009	0.02	0.006	0.038	
NK-01-03	05/02/2009	0.02	0.006	0.038	
UT01-01	05/03/2009	0.02	0.006	ND	0.0025
UT01-02	05/03/2009	0.02	0.006	ND	
NK-21-01	05/03/2009	0.02	0.006	ND	0.0025
NK-21-02	05/03/2009	0.02	0.006	ND	
NK-11-01	05/03/2009	0.02	0.006	ND	0.0025
NK-11-02	05/03/2009	0.02	0.006	ND	
NK-11-03	05/03/2009	0.02	0.006	ND	
CH-11-01	05/03/2009	0.02	0.006	ND	0.0025
CH-11-02	05/03/2009	0.02	0.006	ND	
CH-11-03	05/03/2009	0.02	0.006	ND	
NK-21-01	05/04/2009	0.02	0.006	ND	0.0025
SK-11-01	05/04/2009	0.02	0.006	ND	0.01
SK-11-02	05/04/2009	0.02	0.006	ND	

Sample	Date	MRL	MDL	result	mean
GH01-01	06/03/2009	0.02	0.005	0.011	0.01
NK11-01	06/04/2009	0.02	0.005	0.005	0.01
SK01-01	06/06/2009	0.02	0.005	ND	0.01
SK01-02	06/06/2009	0.02	0.005	ND	
SK01-03	06/06/2009	0.02	0.005	ND	
SK01-04	06/06/2009	0.02	0.005	0.005	
SK12-01	06/06/2009	0.02	0.005	0.015	0.02
CH11-01	06/05/2009	0.02	0.005	0.007	0.01
CH11-02	06/05/2009	0.02	0.005	ND	
CH11-03	06/05/2009	0.02	0.005	ND	
CH11-04	06/05/2009	0.02	0.005	ND	
UT01-01	06/05/2009	0.02	0.005	ND	0.0025
UT11-01	06/05/2009	0.02	0.005	ND	0.0025
SK31-01	06/05/2009	0.02	0.005	0.006	0.01
UT02-01	06/05/2009	0.02	0.005	ND	0.0025
NK01-01	06/06/2009	0.02	0.005	ND	0.0025
SK21-01	06/06/2009	0.02	0.005	ND	0.0025
NK31-01	06/06/2009	0.02	0.005	ND	0.0025
NK21-01	06/06/2009	0.02	0.005	ND	0.0025
SY11-01	06/07/2009	0.02	0.005	0.01	0.01
SY11-02	06/07/2009	0.02	0.005	0.017	
SY11-03	06/07/2009	0.02	0.005	0.008	
SY11-04	06/07/2009	0.02	0.005	0.005	
KC11-01	06/07/2009	0.02	0.005	0.015	0.02
LT11-01	06/07/2009	0.02	0.005	0.019	0.02
KC01-01	06/07/2009	0.02	0.005	0.039	0.02
KC01-02	06/07/2009	0.02	0.005	0.007	
KC01-03	06/07/2009	0.02	0.005	0.012	
KC01-04	06/07/2009	0.02	0.005	0.008	
SY01-01	06/07/2009	0.02	0.005	0.007	0.01
RC01-01	06/08/2009	0.02	0.005	0.017	0.02
UT21-01	06/08/2009	0.02	0.005	0.008	0.01
UT31-01	06/08/2009	0.02	0.005	ND	0.0025
NW11-01	06/08/2009	0.02	0.005	0.007	0.01

Lead, Dissolved, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.02		ND	0.01
KC-01-01	06/09/2010	0.02		0.01	0.01
NK-01-01	06/10/2010	0.02		ND	0.01
NK-01-02	06/10/2010	0.02		ND	
NK-01-03	06/10/2010	0.02		ND	
NK-01-04	06/10/2010	0.02		ND	
NK-02-01	06/07/2010	0.02		ND	0.01
NK-11-01	06/07/2010	0.02		ND	0.01
NW-11-01	06/09/2010	0.02		0.01	0.01
SK-02-01	06/08/2010	0.02		ND	0.01
SK-12-01	06/09/2010	0.02		0.05	0.03
SK-12-02	06/09/2010	0.02		0.01	
SK-12-03	06/09/2010	0.02		0.02	
SK-12-04	06/09/2010	0.02		0.02	
SK-31-01	06/10/2010	0.02		ND	0.01
SK-41-01	06/09/2010	0.02		ND	0.01
SK-51-01	06/07/2010	0.02		ND	0.01
SY-02-01	06/09/2010	0.02		0.01	0.01
UT-01-01	06/10/2010	0.02		ND	0.01
UT-02-01	06/08/2010	0.02		ND	0.01
UT-03-01	06/10/2010	0.02		ND	0.02
UT-03-02	06/10/2010	0.02		ND	
UT-03-03	06/10/2010	0.02		ND	
UT-03-04	06/10/2010	0.02		0.04	
UT-11-01	06/10/2010	0.02		ND	0.01
UT-12-01	06/08/2010	0.02		ND	0.01
UT-41-01	06/09/2010	0.02		ND	0.01
UT-41-02	06/09/2010	0.02		ND	
UT-41-03	06/09/2010	0.02		0.01	
UT-41-04	06/09/2010	0.02		ND	


Lead, total
concentration, ug/L
1.0
0.8
0.6
0.4
0.2
0.0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Lead, dissolved
concentration, ug/L
1.0
0.8
0.6
0.4
0.2
0.0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

Magnesium, Total in ug/L No standard

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	20	0.7	843	833
NW-11-02	05/01/2009	20	0.7	831	
NW-11-03	05/01/2009	20	0.7	826	
SK-01-01	05/01/2009	20	0.7	799	805
SK-01-02	05/01/2009	20	0.7	808	
SK-01-03	05/01/2009	20	0.7	807	
UT-11-01	05/01/2009	20	0.7	1060	1053
UT-11-02	05/01/2009	20	0.7	1050	
UT-11-03	05/01/2009	20	0.7	1050	
KC-01-01	05/02/2009	20	0.7	469	467
KC-01-02	05/02/2009	20	0.7	463	
KC-01-03	05/02/2009	20	0.7	468	
UT-02-01	05/02/2009	20	0.7	1070	1063
UT-02-02	05/02/2009	20	0.7	1070	
UT-02-03	05/02/2009	20	0.7	1050	
LT-11-01	05/02/2009	20	0.7	583	587
LT-11-02	05/02/2009	20	0.7	584	
LT-11-03	05/02/2009	20	0.7	595	
SY-11-01	05/02/2009	20	0.7	151	151
SY-11-02	05/02/2009	20	0.7	150	
SY-11-03	05/02/2009	20	0.7	153	
SK-21-01	05/02/2009	20	0.7	428	433
SK-21-02	05/02/2009	20	0.7	433	
SK-21-03	05/02/2009	20	0.7	437	
NK-01-01	05/02/2009	20	0.7	718	717
NK-01-02	05/02/2009	20	0.7	719	
NK-01-03	05/02/2009	20	0.7	713	
UT01-01	05/03/2009	20	2	1420	1475
UT01-02	05/03/2009	20	2	1530	
NK-21-01	05/03/2009	20	2	508	505
NK-21-02	05/03/2009	20	2	502	
NK-11-01	05/03/2009	20	2	1000	1030
NK-11-02	05/03/2009	20	2	1050	
NK-11-03	05/03/2009	20	2	1040	
CH-11-01	05/03/2009	20	2	1790	1737
CH-11-02	05/03/2009	20	2	1640	
CH-11-03	05/03/2009	20	2	1780	
NK-21-01	05/04/2009	20	2	495	495
SK-11-01	05/04/2009	20	2	582	692
SK-11-02	05/04/2009	20	2	572	

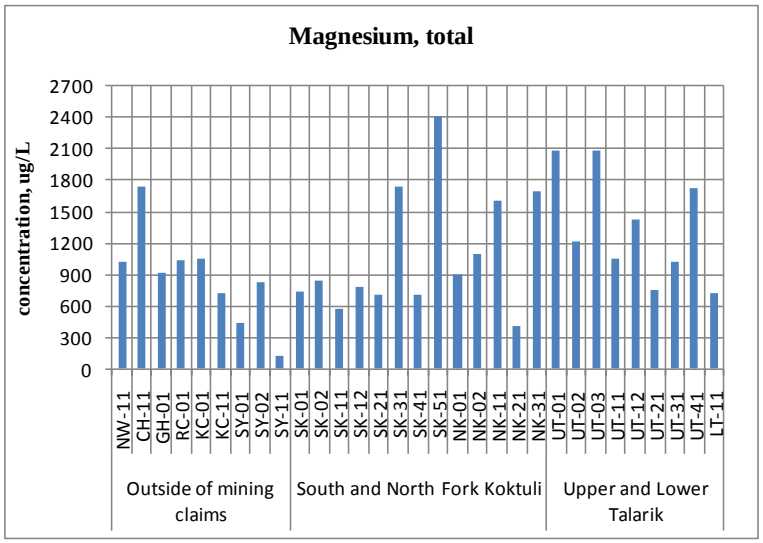
Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	20	0.3	923	923
NK11-01	06/04/2009	20	0.3	1600	1600
SK01-01	06/06/2009	20	0.3	678	663
SK01-02	06/06/2009	20	0.3	672	
SK01-03	06/06/2009	20	0.3	666	
SK01-04	06/06/2009	20	0.3	634	
SK12-01	06/06/2009	20	0.3	701	701
CH11-01	06/05/2009	20	0.3	1690	1695
CH11-02	06/05/2009	20	0.3	1710	
CH11-03	06/05/2009	20	0.3	1700	
CH11-04	06/05/2009	20	0.3	1680	
UT01-01	06/05/2009	20	0.3	2640	2640
UT11-01	06/05/2009	20	0.3	877	877
SK31-01	06/05/2009	20	0.3	1210	1210
UT02-01	06/05/2009	20	0.3	1210	1210
NK01-01	06/06/2009	20	0.3	898	898
SK21-01	06/06/2009	20	0.3	983	983
NK31-01	06/06/2009	20	0.3	1690	1690
NK21-01	06/06/2009	20	0.3	326	326
SY11-01	06/07/2009	20	2	84.2	88
SY11-02	06/07/2009	20	2	90	
SY11-03	06/07/2009	20	2	87.9	
SY11-04	06/07/2009	20	2	88.5	
KC11-01	06/07/2009	20	2	717	717
LT11-01	06/07/2009	20	2	849	849
KC01-01	06/07/2009	20	2	1040	1050
KC01-02	06/07/2009	20	2	1100	
KC01-03	06/07/2009	20	2	1040	
KC01-04	06/07/2009	20	2	1020	
SY01-01	06/07/2009	20	2	437	437
RC01-01	06/08/2009	20	2	1030	1030
UT21-01	06/08/2009	20	2	747	747
UT31-01	06/08/2009	20	2	1020	1020
NW11-01	06/08/2009	20	2	1020	1020

Magnesium, Total, in mg/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	20		2390	2390
KC-01-01	06/09/2010	20		1300	1300
NK-01-01	06/10/2010	20		1060	1073
NK-01-02	06/10/2010	20		1060	
NK-01-03	06/10/2010	20		1100	
NK-01-04	06/10/2010	20		1060	
NK-02-01	06/07/2010	20		1100	1100
NK-11-01	06/07/2010	20		2170	2170
NW-11-01	06/09/2010	20		1220	1220
SK-02-01	06/08/2010	20		842	842
SK-12-01	06/09/2010	20		796	800
SK-12-02	06/09/2010	20		802	
SK-12-03	06/09/2010	20		801	
SK-12-04	06/09/2010	20		786	
SK-31-01	06/10/2010	20		2270	2270
SK-41-01	06/09/2010	20		701	701
SK-51-01	06/07/2010	20		2410	2410
SY-02-01	06/09/2010	20		823	823
UT-01-01	06/10/2010	20		3460	3460
UT-02-01	06/08/2010	20		1730	1730
UT-03-01	06/10/2010	20		2090	2093
UT-03-02	06/10/2010	20		2090	
UT-03-03	06/10/2010	20		2100	
UT-03-04	06/10/2010	20		2080	
UT-11-01	06/10/2010	20		1530	1530
UT-12-01	06/08/2010	20		1430	1430
UT-41-01	06/09/2010	20		1730	1720
UT-41-02	06/09/2010	20		1710	
UT-41-03	06/09/2010	20		1720	
UT-41-04	06/09/2010	20		1740	

Magnesium, Dissolved in ug/L No standard
(June 2009 samples not analyzed for dissolved magnesium)

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	20	0.7	753	758
NW-11-02	05/01/2009	20	0.7	761	
NW-11-03	05/01/2009	20	0.7	761	
SK-01-01	05/01/2009	20	0.7	804	803
SK-01-02	05/01/2009	20	0.7	808	
SK-01-03	05/01/2009	20	0.7	796	
UT-11-01	05/01/2009	20	0.7	1080	1057
UT-11-02	05/01/2009	20	0.7	1040	
UT-11-03	05/01/2009	20	0.7	1050	
KC-01-01	05/02/2009	20	0.7	376	373
KC-01-02	05/02/2009	20	0.7	369	
KC-01-03	05/02/2009	20	0.7	374	
UT-02-01	05/02/2009	20	0.7	993	998
UT-02-02	05/02/2009	20	0.7	1000	
UT-02-03	05/02/2009	20	0.7	1000	
LT-11-01	05/02/2009	20	0.7	588	603
LT-11-02	05/02/2009	20	0.7	636	
LT-11-03	05/02/2009	20	0.7	584	
SY-11-01	05/02/2009	20	0.7	148	147
SY-11-02	05/02/2009	20	0.7	148	
SY-11-03	05/02/2009	20	0.7	146	
SK-21-01	05/02/2009	20	0.7	410	409
SK-21-02	05/02/2009	20	0.7	412	
SK-21-03	05/02/2009	20	0.7	405	
NK-01-01	05/02/2009	20	0.7	687	665
NK-01-02	05/02/2009	20	0.7	614	
NK-01-03	05/02/2009	20	0.7	694	
UT01-01	05/03/2009	20	2	1500	1490
UT01-02	05/03/2009	20	2	1480	
NK-21-01	05/03/2009	20	2	519	520
NK-21-02	05/03/2009	20	2	521	
NK-11-01	05/03/2009	20	2	998	983
NK-11-02	05/03/2009	20	2	984	
NK-11-03	05/03/2009	20	2	966	
CH-11-01	05/03/2009	20	2	1500	1490
CH-11-02	05/03/2009	20	2	1490	
CH-11-03	05/03/2009	20	2	1480	
NK-21-01	05/04/2009	20	2	473	473
SK-11-01	05/04/2009	20	2	514	512
SK-11-02	05/04/2009	20	2	509	



Manganese, Total in ug/L Standard is 50 ug/L as human consumption of aquatic organisms

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.05	0.01	32.2	31
NW-11-02	05/01/2009	0.05	0.01	30	
NW-11-03	05/01/2009	0.05	0.01	30.1	
SK-01-01	05/01/2009	0.05	0.01	7.69	8
SK-01-02	05/01/2009	0.05	0.01	7.72	
SK-01-03	05/01/2009	0.05	0.01	7.56	
UT-11-01	05/01/2009	0.05	0.01	21.6	20
UT-11-02	05/01/2009	0.05	0.01	20.1	
UT-11-03	05/01/2009	0.05	0.01	19.5	
KC-01-01	05/02/2009	0.05	0.01	37.7	38
KC-01-02	05/02/2009	0.05	0.01	38	
KC-01-03	05/02/2009	0.05	0.01	38.6	
UT-02-01	05/02/2009	0.05	0.01	29.3	30
UT-02-02	05/02/2009	0.05	0.01	29.8	
UT-02-03	05/02/2009	0.05	0.01	29.7	
LT-11-01	05/02/2009	0.05	0.01	36.4	37
LT-11-02	05/02/2009	0.05	0.01	36.9	
LT-11-03	05/02/2009	0.05	0.01	36.8	
SY-11-01	05/02/2009	0.05	0.01	28.6	29
SY-11-02	05/02/2009	0.05	0.01	28.3	
SY-11-03	05/02/2009	0.05	0.01	29	
SK-21-01	05/02/2009	0.05	0.01	12.3	12
SK-21-02	05/02/2009	0.05	0.01	12.6	
SK-21-03	05/02/2009	0.05	0.01	12.2	
NK-01-01	05/02/2009	0.05	0.01	20.7	20
NK-01-02	05/02/2009	0.05	0.01	20	
NK-01-03	05/02/2009	0.05	0.01	20.3	
UT01-01	05/03/2009	0.05	0.01	32.9	32
UT01-02	05/03/2009	0.05	0.01	31.2	
NK-21-01	05/03/2009	0.05	0.01	10.5	10
NK-21-02	05/03/2009	0.05	0.01	10.4	
NK-11-01	05/03/2009	0.05	0.01	44.2	44
NK-11-02	05/03/2009	0.05	0.01	43.5	
NK-11-03	05/03/2009	0.05	0.01	43.6	
CH-11-01	05/03/2009	0.05	0.01	104	103
CH-11-02	05/03/2009	0.05	0.01	102	
CH-11-03	05/03/2009	0.05	0.01	104	
NK-21-01	05/04/2009	0.05	0.01	8.81	9
SK-11-01	05/04/2009	0.05	0.01	53.9	51
SK-11-02	05/04/2009	0.05	0.01	47.5	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.05	0.006	9.33	9
NK11-01	06/04/2009	0.05	0.006	12.5	13
SK01-01	06/06/2009	0.05	0.006	7.24	7
SK01-02	06/06/2009	0.05	0.006	7.38	
SK01-03	06/06/2009	0.05	0.006	7.26	
SK01-04	06/06/2009	0.05	0.006	7.22	
SK12-01	06/06/2009	0.05	0.006	35.4	35
CH11-01	06/05/2009	0.05	0.006	31.8	33
CH11-02	06/05/2009	0.05	0.006	31.9	
CH11-03	06/05/2009	0.05	0.006	32.6	
CH11-04	06/05/2009	0.05	0.006	33.9	
UT01-01	06/05/2009	0.05	0.006	5.15	5
UT11-01	06/05/2009	0.05	0.006	9.57	10
SK31-01	06/05/2009	0.05	0.006	31.3	31
UT02-01	06/05/2009	0.05	0.006	11.3	11
NK01-01	06/06/2009	0.05	0.006	8.81	9
SK21-01	06/06/2009	0.05	0.006	1.15	1
NK31-01	06/06/2009	0.05	0.006	24.4	24
NK21-01	06/06/2009	0.05	0.006	4.52	5
SY11-01	06/07/2009	0.05	0.006	3.72	4
SY11-02	06/07/2009	0.05	0.006	3.73	
SY11-03	06/07/2009	0.05	0.006	3.71	
SY11-04	06/07/2009	0.05	0.006	3.71	
KC11-01	06/07/2009	0.05	0.006	11.9	12
LT11-01	06/07/2009	0.05	0.006	4.3	4
KC01-01	06/07/2009	0.05	0.006	16.3	17
KC01-02	06/07/2009	0.05	0.006	16.6	
KC01-03	06/07/2009	0.05	0.006	16.9	
KC01-04	06/07/2009	0.05	0.006	16.2	
SY01-01	06/07/2009	0.05	0.006	2.71	3
RC01-01	06/08/2009	0.05	0.006	14.6	15
UT21-01	06/08/2009	0.05	0.006	5.72	6
UT31-01	06/08/2009	0.05	0.006	0.92	1
NW11-01	06/08/2009	0.05	0.006	12.4	12

Manganese, Total, in ug/L

Sample	Date	MRL	Result	mean of replicates
CH-11-01	06/07/2010	0.05	60.8	60.80
KC-01-01	06/09/2010	0.05	14.6	14.60
NK-01-01	06/10/2010	0.05	9.26	10.07
NK-01-02	06/10/2010	0.05	12.2	
NK-01-03	06/10/2010	0.05	9.3	
NK-01-04	06/10/2010	0.05	9.51	
NK-02-01	06/07/2010	0.05	14.1	14.10
NK-11-01	06/07/2010	0.05	8.74	8.74
NW-11-01	06/09/2010	0.05	13	13.00
SK-02-01	06/08/2010	0.05	15	15.00
SK-12-01	06/09/2010	0.05	12.1	13.18
SK-12-02	06/09/2010	0.05	13.7	
SK-12-03	06/09/2010	0.05	13.4	
SK-12-04	06/09/2010	0.05	13.5	
SK-31-01	06/10/2010	0.05	47.9	47.90
SK-41-01	06/09/2010	0.05	2.54	2.54
SK-51-01	06/07/2010	0.05	25.4	25.40
SY-02-01	06/09/2010	0.05	17.7	17.70
UT-01-01	06/10/2010	0.05	4.56	4.56
UT-02-01	06/08/2010	0.05	13.1	13.10
UT-03-01	06/10/2010	0.05	23.5	23.50
UT-03-02	06/10/2010	0.05	23.9	
UT-03-03	06/10/2010	0.05	23.2	
UT-03-04	06/10/2010	0.05	23.4	
UT-11-01	06/10/2010	0.05	5.15	5.15
UT-12-01	06/08/2010	0.05	16.7	16.70
UT-41-01	06/09/2010	0.05	4.29	3.61
UT-41-02	06/09/2010	0.05	3.59	
UT-41-03	06/09/2010	0.05	3.34	
UT-41-04	06/09/2010	0.05	3.23	

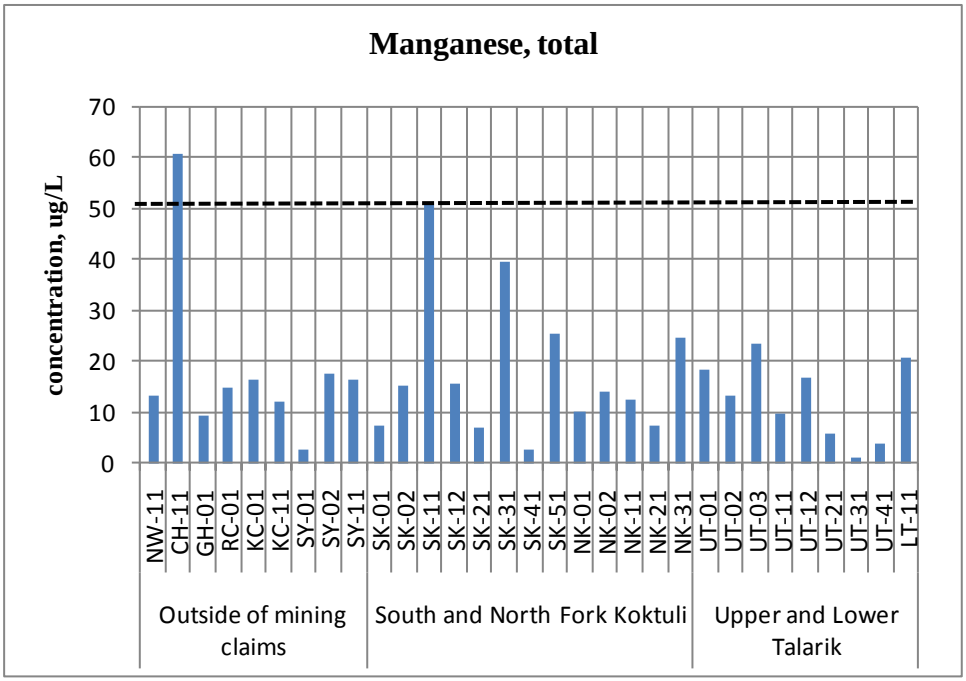
Manganese, Dissolved in ug/L Standard is 50 ug/L as human consumption of aquatic organisms

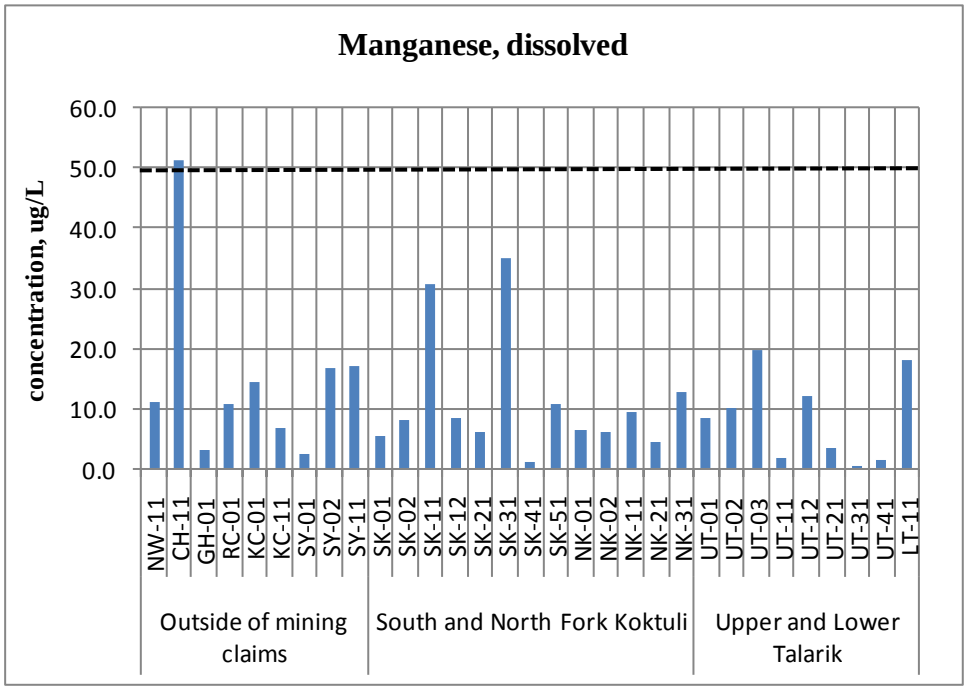
Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.05	0.01	19.7	20
NW-11-02	05/01/2009	0.05	0.01	20	
NW-11-03	05/01/2009	0.05	0.01	19.5	
SK-01-01	05/01/2009	0.05	0.01	6.64	7
SK-01-02	05/01/2009	0.05	0.01	6.91	
SK-01-03	05/01/2009	0.05	0.01	6.95	
UT-11-01	05/01/2009	0.05	0.01	7.82	8
UT-11-02	05/01/2009	0.05	0.01	7.73	
UT-11-03	05/01/2009	0.05	0.01	7.67	
KC-01-01	05/02/2009	0.05	0.01	28.3	28
KC-01-02	05/02/2009	0.05	0.01	27.3	
KC-01-03	05/02/2009	0.05	0.01	27.8	
UT-02-01	05/02/2009	0.05	0.01	12.2	12
UT-02-02	05/02/2009	0.05	0.01	11.7	
UT-02-03	05/02/2009	0.05	0.01	11.7	
LT-11-01	05/02/2009	0.05	0.01	34.6	35
LT-11-02	05/02/2009	0.05	0.01	35.5	
LT-11-03	05/02/2009	0.05	0.01	35.2	
SY-11-01	05/02/2009	0.05	0.01	30.1	31
SY-11-02	05/02/2009	0.05	0.01	30.3	
SY-11-03	05/02/2009	0.05	0.01	31.2	
SK-21-01	05/02/2009	0.05	0.01	11.7	12
SK-21-02	05/02/2009	0.05	0.01	11.5	
SK-21-03	05/02/2009	0.05	0.01	11.5	
NK-01-01	05/02/2009	0.05	0.01	16.1	16
NK-01-02	05/02/2009	0.05	0.01	15.9	
NK-01-03	05/02/2009	0.05	0.01	16.2	
UT01-01	05/03/2009	0.05	0.01	14.5	15
UT01-02	05/03/2009	0.05	0.01	14.6	
NK-21-01	05/03/2009	0.05	0.01	6.5	7
NK-21-02	05/03/2009	0.05	0.01	6.66	
NK-11-01	05/03/2009	0.05	0.01	40.4	40
NK-11-02	05/03/2009	0.05	0.01	39.8	
NK-11-03	05/03/2009	0.05	0.01	40.2	
CH-11-01	05/03/2009	0.05	0.01	69.5	67
CH-11-02	05/03/2009	0.05	0.01	66.4	
CH-11-03	05/03/2009	0.05	0.01	65.9	
NK-21-01	05/04/2009	0.05	0.01	5.87	6
SK-11-01	05/04/2009	0.05	0.01	31.3	31
SK-11-02	05/04/2009	0.05	0.01	29.9	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.05	0.006	2.95	3
NK11-01	06/04/2009	0.05	0.006	8.77	9
SK01-01	06/06/2009	0.05	0.006	3.96	4
SK01-02	06/06/2009	0.05	0.006	3.92	
SK01-03	06/06/2009	0.05	0.006	3.94	
SK01-04	06/06/2009	0.05	0.006	3.8	
SK12-01	06/06/2009	0.05	0.006	12.9	13
CH11-01	06/05/2009	0.05	0.006	26.8	26
CH11-02	06/05/2009	0.05	0.006	26.1	
CH11-03	06/05/2009	0.05	0.006	25.4	
CH11-04	06/05/2009	0.05	0.006	26	
UT01-01	06/05/2009	0.05	0.006	2.01	2
UT11-01	06/05/2009	0.05	0.006	1.61	2
SK31-01	06/05/2009	0.05	0.006	24.9	25
UT02-01	06/05/2009	0.05	0.006	5.53	6
NK01-01	06/06/2009	0.05	0.006	5.72	6
SK21-01	06/06/2009	0.05	0.006	0.692	1
NK31-01	06/06/2009	0.05	0.006	12.9	13
NK21-01	06/06/2009	0.05	0.006	2.51	3
SY11-01	06/07/2009	0.05	0.006	3.69	4
SY11-02	06/07/2009	0.05	0.006	3.72	
SY11-03	06/07/2009	0.05	0.006	3.71	
SY11-04	06/07/2009	0.05	0.006	3.71	
KC11-01	06/07/2009	0.05	0.006	6.65	7
LT11-01	06/07/2009	0.05	0.006	1.33	1
KC01-01	06/07/2009	0.05	0.006	14.5	15
KC01-02	06/07/2009	0.05	0.006	14.6	
KC01-03	06/07/2009	0.05	0.006	14.4	
KC01-04	06/07/2009	0.05	0.006	14.5	
SY01-01	06/07/2009	0.05	0.006	2.36	2
RC01-01	06/08/2009	0.05	0.006	10.7	11
UT21-01	06/08/2009	0.05	0.006	3.58	4
UT31-01	06/08/2009	0.05	0.006	0.371	0.4
NW11-01	06/08/2009	0.05	0.006	10.3	10

Manganese, Dissolved, in ug/L

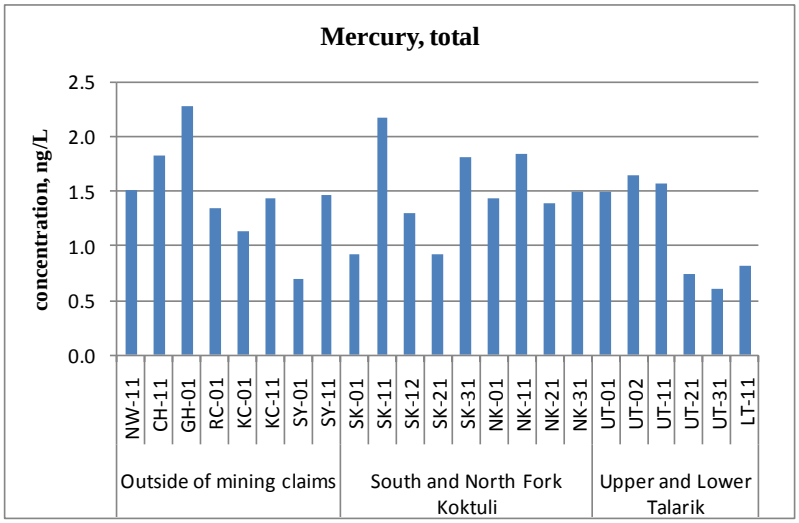
Sample	Date	MRL	Result	mean of replicates
CH-11-01	06/07/2010	0.05	51.3	51.30
KC-01-01	06/09/2010	0.05	13.3	13.30
				6.45
NK-01-02	06/10/2010	0.05	6.4	
NK-01-03	06/10/2010	0.05	6.42	
NK-01-04	06/10/2010	0.05	6.54	
NK-02-01	06/07/2010	0.05	6.06	6.06
NK-11-01	06/07/2010	0.05	9.58	9.58
NW-11-01	06/09/2010	0.05	11.2	11.20
SK-02-01	06/08/2010	0.05	8.02	8.02
SK-12-01	06/09/2010	0.05	7.78	7.87
SK-12-02	06/09/2010	0.05	7.88	
SK-12-03	06/09/2010	0.05	7.89	
SK-12-04	06/09/2010	0.05	7.92	
SK-31-01	06/10/2010	0.05	45.1	45.10
SK-41-01	06/09/2010	0.05	1.17	1.17
SK-51-01	06/07/2010	0.05	10.6	10.60
SY-02-01	06/09/2010	0.05	16.6	16.60
UT-01-01	06/10/2010	0.05	2.15	2.15
UT-02-01	06/08/2010	0.05	10.1	10.10
UT-03-01	06/10/2010	0.05	20	19.85
UT-03-02	06/10/2010	0.05	19.7	
UT-03-03	06/10/2010	0.05	19.8	
UT-03-04	06/10/2010	0.05	19.9	
UT-11-01	06/10/2010	0.05	1.74	1.74
UT-12-01	06/08/2010	0.05	12	12.00
UT-41-01	06/09/2010	0.05	1.31	1.30
UT-41-02	06/09/2010	0.05	1.3	
UT-41-03	06/09/2010	0.05	1.3	
UT-41-04	06/09/2010	0.05	1.3	


Manganese, total
concentration, ug/L
70
60
50
40
30
20
10
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Manganese, dissolved
concentration, ug/L
60.0
50.0
40.0
30.0
20.0
10.0
0.0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

Mercury, Total (low level) as ng/L Standard is 50 ng/L as human consumption of aquatic organisms

Sample	Date	MRL	MDL	Result		Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	1.0	0.05	2.17		GH01-01	06/03/2009	1.0	0.05	2.28
SK-01-01	05/01/2009	1.0	0.05	0.70		NK11-01	06/04/2009	1.0	0.05	1.35
UT-11-01	05/01/2009	1.0	0.05	1.77		SK01-01	06/06/2009	1.0	0.05	0.98
KC-01-01	05/02/2009	1.0	0.05	4.69		SK01-02	06/06/2009	1.0	0.05	0.93
UT-02-01	05/02/2009	1.0	0.05	2.12		SK12-01	06/06/2009	1.0	0.05	1.30
LT-11-01	05/02/2009	1.0	0.05	0.90		CH11-01	06/05/2009	1.0	0.05	1.57
SY-11-01	05/02/2009	1.0	0.05	2.04		CH11-02	06/05/2009	1.0	0.05	1.83
SK-21-01	05/02/2009	1.0	0.05	1.42		UT01-01	06/05/2009	1.0	0.05	0.96
NK-01-01	05/02/2009	1.0	0.05	1.94		UT11-01	06/05/2009	1.0	0.05	1.36
UT01-01	05/03/2009	1.0	0.05	2.04		SK31-01	06/05/2009	1.0	0.05	1.81
NK-21-01	05/03/2009	1.0	0.05	1.65		UT02-01	06/05/2009	1.0	0.05	1.19
NK-11-01	05/03/2009	1.0	0.05	1.84		NK01-01	06/06/2009	1.0	0.05	0.93
NK-11-02	05/03/2009	1.0	0.05	1.84		SK21-01	06/06/2009	1.0	0.05	0.43
CH-11-01	05/03/2009	1.0	0.05	5.37		NK31-01	06/06/2009	1.0	0.05	1.49
SK-11-01	05/04/2009	1.0	0.05	2.18		NK21-01	06/06/2009	1.0	0.05	1.13
						SY11-01	06/07/2009	1.0	0.05	1.46
						SY11-02	06/07/2009	1.0	0.05	1.44
						KC11-01	06/07/2009	1.0	0.05	1.44
						LT11-01	06/07/2009	1.0	0.05	0.74
						KC01-01	06/07/2009	1.0	0.05	1.14
						KC01-02	06/07/2009	1.0	0.05	1.14
						SY01-01	06/07/2009	1.0	0.05	0.69
						RC01-01	06/08/2009	1.0	0.05	1.35
						UT21-01	06/08/2009	1.0	0.05	0.74
						UT31-01	06/08/2009	1.0	0.05	0.60
						NW11-01	06/08/2009	1.0	0.05	0.84
						UT11-01	06/03/2009	1.0	0.05	1.01



2010 data is not shown. 2010 samples were analyzed as part of the metal suite, not as low-level mercury. LOD was much higher than in 2009. All 2010 samples were non-detect at 0.2 ug/L MRL (200 ng/L).

Molybdenum, Total in ug/L Standard is 10 ug/L as irrigation standard

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.05	0.02	0.16	0.2
NW-11-02	05/01/2009	0.05	0.02	0.18	
NW-11-03	05/01/2009	0.05	0.02	0.17	
SK-01-01	05/01/2009	0.05	0.02	0.37	0.4
SK-01-02	05/01/2009	0.05	0.02	0.38	
SK-01-03	05/01/2009	0.05	0.02	0.36	
UT-11-01	05/01/2009	0.05	0.02	0.13	0.1
UT-11-02	05/01/2009	0.05	0.02	0.13	
UT-11-03	05/01/2009	0.05	0.02	0.13	
KC-01-01	05/02/2009	0.05	0.02	0.29	0.3
KC-01-02	05/02/2009	0.05	0.02	0.3	
KC-01-03	05/02/2009	0.05	0.02	0.29	
UT-02-01	05/02/2009	0.05	0.02	0.17	0.2
UT-02-02	05/02/2009	0.05	0.02	0.18	
UT-02-03	05/02/2009	0.05	0.02	0.17	
LT-11-01	05/02/2009	0.05	0.02	0.27	0.3
LT-11-02	05/02/2009	0.05	0.02	0.27	
LT-11-03	05/02/2009	0.05	0.02	0.26	
SY-11-01	05/02/2009	0.05	0.02	ND	ND
SY-11-02	05/02/2009	0.05	0.02	ND	
SY-11-03	05/02/2009	0.05	0.02	ND	
SK-21-01	05/02/2009	0.05	0.02	0.13	0.1
SK-21-02	05/02/2009	0.05	0.02	0.12	
SK-21-03	05/02/2009	0.05	0.02	0.1	
NK-01-01	05/02/2009	0.05	0.02	0.1	0.1
NK-01-02	05/02/2009	0.05	0.02	0.1	
NK-01-03	05/02/2009	0.05	0.02	0.1	
UT01-01	05/03/2009	0.05	0.02	0.06	0.1
UT01-02	05/03/2009	0.05	0.02	0.09	
NK-21-01	05/03/2009	0.05	0.02	0.06	0.1
NK-21-02	05/03/2009	0.05	0.02	0.06	
NK-11-01	05/03/2009	0.05	0.02	0.07	0.1
NK-11-02	05/03/2009	0.05	0.02	0.06	
NK-11-03	05/03/2009	0.05	0.02	0.06	
CH-11-01	05/03/2009	0.05	0.02	0.08	0.1
CH-11-02	05/03/2009	0.05	0.02	0.08	
CH-11-03	05/03/2009	0.05	0.02	0.08	
NK-21-01	05/04/2009	0.05	0.02	0.04	0.0
SK-11-01	05/04/2009	0.05	0.02	0.17	0.2
SK-11-02	05/04/2009	0.05	0.02	0.16	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.05	0.007	0.069	0.07
NK11-01	06/04/2009	0.05	0.007	0.116	0.12
SK01-01	06/06/2009	0.05	0.007	0.284	0.28
SK01-02	06/06/2009	0.05	0.007	0.284	
SK01-03	06/06/2009	0.05	0.007	0.271	
SK01-04	06/06/2009	0.05	0.007	0.297	
SK12-01	06/06/2009	0.05	0.007	0.494	0.49
CH11-01	06/05/2009	0.05	0.007	0.087	0.09
CH11-02	06/05/2009	0.05	0.007	0.091	
CH11-03	06/05/2009	0.05	0.007	0.092	
CH11-04	06/05/2009	0.05	0.007	0.084	
UT01-01	06/05/2009	0.05	0.007	0.114	0.11
UT11-01	06/05/2009	0.05	0.007	0.145	0.15
SK31-01	06/05/2009	0.05	0.007	1.7	1.70
UT02-01	06/05/2009	0.05	0.007	0.232	0.23
NK01-01	06/06/2009	0.05	0.007	0.163	0.16
SK21-01	06/06/2009	0.05	0.007	0.26	0.26
NK31-01	06/06/2009	0.05	0.007	0.086	0.09
NK21-01	06/06/2009	0.05	0.007	0.116	0.12
SY11-01	06/07/2009	0.05	0.007	0.042	0.03
SY11-02	06/07/2009	0.05	0.007	0.033	
SY11-03	06/07/2009	0.05	0.007	0.017	
SY11-04	06/07/2009	0.05	0.007	0.008	
KC11-01	06/07/2009	0.05	0.007	0.158	0.16
LT11-01	06/07/2009	0.05	0.007	0.498	0.50
KC01-01	06/07/2009	0.05	0.007	0.374	0.36
KC01-02	06/07/2009	0.05	0.007	0.349	
KC01-03	06/07/2009	0.05	0.007	0.369	
KC01-04	06/07/2009	0.05	0.007	0.363	
SY01-01	06/07/2009	0.05	0.007	0.334	0.33
RC01-01	06/08/2009	0.05	0.007	0.241	0.24
UT21-01	06/08/2009	0.05	0.007	0.13	0.13
UT31-01	06/08/2009	0.05	0.007	0.251	0.25
NW11-01	06/08/2009	0.05	0.007	0.207	0.64

Molybdeunum, Total, in ug/L

Sample	Date	MRL	Result	mean for replicates
CH-11-01	06/07/2010	0.05	0.14	0.14
KC-01-01	06/09/2010	0.05	0.5	0.5
NK-01-01	06/10/2010	0.05	0.22	0.22
NK-01-02	06/10/2010	0.05	0.22	
NK-01-03	06/10/2010	0.05	0.22	
NK-01-04	06/10/2010	0.05	0.22	
NK-02-01	06/07/2010	0.05	0.13	0.13
NK-11-01	06/07/2010	0.05	0.12	0.12
NW-11-01	06/09/2010	0.05	0.26	0.26
SK-02-01	06/08/2010	0.05	0.52	0.52
SK-12-01	06/09/2010	0.05	0.71	0.69
SK-12-02	06/09/2010	0.05	0.7	
SK-12-03	06/09/2010	0.05	0.68	
SK-12-04	06/09/2010	0.05	0.68	
SK-31-01	06/10/2010	0.05	3.19	3.19
SK-41-01	06/09/2010	0.05	0.14	0.14
SK-51-01	06/07/2010	0.05	0.94	0.94
SY-02-01	06/09/2010	0.05	0.39	0.39
UT-01-01	06/10/2010	0.05	0.16	0.16
UT-02-01	06/08/2010	0.05	0.32	0.32
UT-03-01	06/10/2010	0.05	0.25	0.26
UT-03-02	06/10/2010	0.05	0.26	
UT-03-03	06/10/2010	0.05	0.26	
UT-03-04	06/10/2010	0.05	0.25	
UT-11-01	06/10/2010	0.05	0.29	0.29
UT-12-01	06/08/2010	0.05	0.26	0.26
UT-41-01	06/09/2010	0.05	0.54	0.54
UT-41-02	06/09/2010	0.05	0.55	
UT-41-03	06/09/2010	0.05	0.54	
UT-41-04	06/09/2010	0.05	0.54	

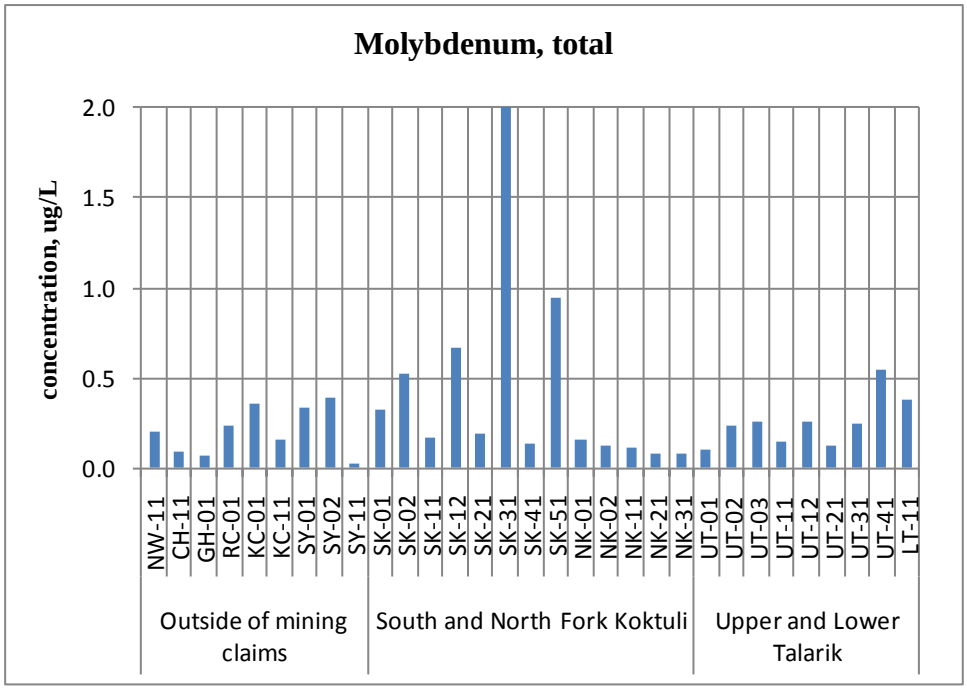
Molybdenum, Dissolved in ug/L

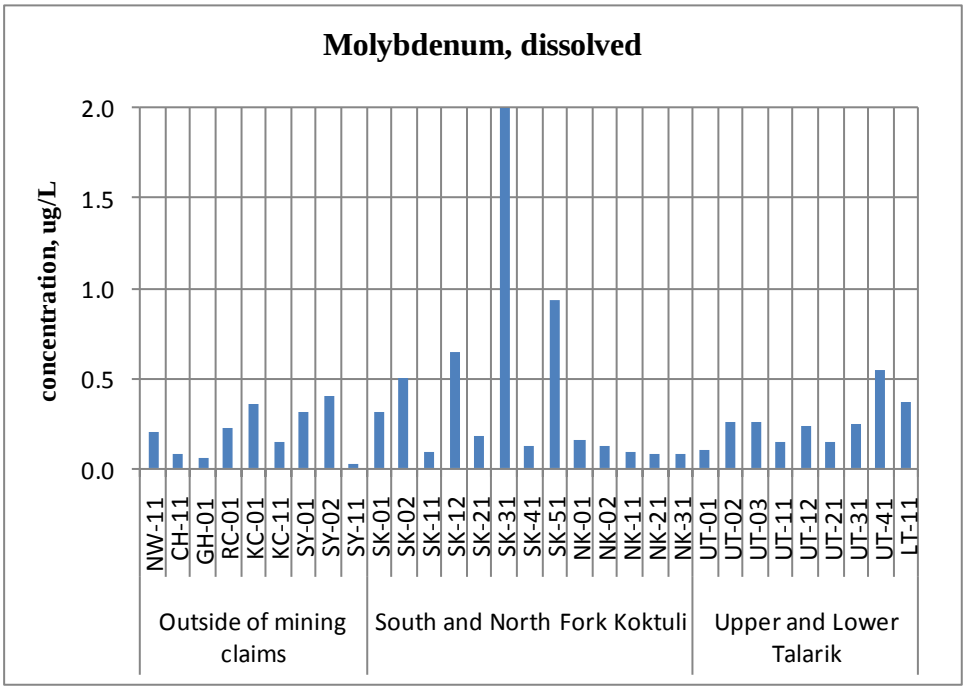
Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.05	0.02	0.18	0.2
NW-11-02	05/01/2009	0.05	0.02	0.18	
NW-11-03	05/01/2009	0.05	0.02	0.17	
SK-01-01	05/01/2009	0.05	0.02	0.37	0.4
SK-01-02	05/01/2009	0.05	0.02	0.36	
SK-01-03	05/01/2009	0.05	0.02	0.36	
UT-11-01	05/01/2009	0.05	0.02	0.13	0.1
UT-11-02	05/01/2009	0.05	0.02	0.13	
UT-11-03	05/01/2009	0.05	0.02	0.13	
KC-01-01	05/02/2009	0.05	0.02	0.14	0.1
KC-01-02	05/02/2009	0.05	0.02	0.13	
KC-01-03	05/02/2009	0.05	0.02	0.13	
UT-02-01	05/02/2009	0.05	0.02	0.16	0.2
UT-02-02	05/02/2009	0.05	0.02	0.18	
UT-02-03	05/02/2009	0.05	0.02	0.17	
LT-11-01	05/02/2009	0.05	0.02	0.27	0.3
LT-11-02	05/02/2009	0.05	0.02	0.28	
LT-11-03	05/02/2009	0.05	0.02	0.27	
SY-11-01	05/02/2009	0.05	0.02	ND	ND
SY-11-02	05/02/2009	0.05	0.02	ND	
SY-11-03	05/02/2009	0.05	0.02	ND	
SK-21-01	05/02/2009	0.05	0.02	0.12	0.1
SK-21-02	05/02/2009	0.05	0.02	0.11	
SK-21-03	05/02/2009	0.05	0.02	0.11	
NK-01-01	05/02/2009	0.05	0.02	0.09	0.1
NK-01-02	05/02/2009	0.05	0.02	0.09	
NK-01-03	05/02/2009	0.05	0.02	0.09	
UT01-01	05/03/2009	0.05	0.02	0.06	0.1
UT01-02	05/03/2009	0.05	0.02	0.07	
NK-21-01	05/03/2009	0.05	0.02	0.07	0.1
NK-21-02	05/03/2009	0.05	0.02	0.06	
NK-11-01	05/03/2009	0.05	0.02	0.06	0.1
NK-11-02	05/03/2009	0.05	0.02	0.05	
NK-11-03	05/03/2009	0.05	0.02	0.06	
CH-11-01	05/03/2009	0.05	0.02	0.07	0.1
CH-11-02	05/03/2009	0.05	0.02	0.07	
CH-11-03	05/03/2009	0.05	0.02	0.06	
NK-21-01	05/04/2009	0.05	0.02	0.04	0.0
SK-11-01	05/04/2009	0.05	0.02	0.1	0.1
SK-11-02	05/04/2009	0.05	0.02	0.09	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.05	0.007	0.062	0.06
NK11-01	06/04/2009	0.05	0.007	0.094	0.09
SK01-01	06/06/2009	0.05	0.007	0.272	0.28
SK01-02	06/06/2009	0.05	0.007	0.281	
SK01-03	06/06/2009	0.05	0.007	0.266	
SK01-04	06/06/2009	0.05	0.007	0.283	
SK12-01	06/06/2009	0.05	0.007	0.456	0.46
CH11-01	06/05/2009	0.05	0.007	0.085	0.08
CH11-02	06/05/2009	0.05	0.007	0.083	
CH11-03	06/05/2009	0.05	0.007	0.079	
CH11-04	06/05/2009	0.05	0.007	0.087	
UT01-01	06/05/2009	0.05	0.007	0.139	0.14
UT11-01	06/05/2009	0.05	0.007	0.149	0.15
SK31-01	06/05/2009	0.05	0.007	1.65	1.65
UT02-01	06/05/2009	0.05	0.007	0.26	0.26
NK01-01	06/06/2009	0.05	0.007	0.159	0.16
SK21-01	06/06/2009	0.05	0.007	0.257	0.26
NK31-01	06/06/2009	0.05	0.007	0.081	0.08
NK21-01	06/06/2009	0.05	0.007	0.114	0.11
SY11-01	06/07/2009	0.05	0.007	0.039	0.03
SY11-02	06/07/2009	0.05	0.007	0.04	
SY11-03	06/07/2009	0.05	0.007	0.014	
SY11-04	06/07/2009	0.05	0.007	ND	
KC11-01	06/07/2009	0.05	0.007	0.147	0.15
LT11-01	06/07/2009	0.05	0.007	0.473	0.47
KC01-01	06/07/2009	0.05	0.007	0.35	0.36
KC01-02	06/07/2009	0.05	0.007	0.346	
KC01-03	06/07/2009	0.05	0.007	0.349	
KC01-04	06/07/2009	0.05	0.007	0.382	
SY01-01	06/07/2009	0.05	0.007	0.317	0.32
RC01-01	06/08/2009	0.05	0.007	0.224	0.22
UT21-01	06/08/2009	0.05	0.007	0.144	0.14
UT31-01	06/08/2009	0.05	0.007	0.248	0.25
NW11-01	06/08/2009	0.05	0.007	0.201	0.62

Molybdeunum, Dissolved, in ug/L

Sample	Date	MRL	Result	mean for replicates
CH-11-01	06/07/2010	0.05	0.14	0.14
KC-01-01	06/09/2010	0.05	0.5	0.5
NK-01-02	06/10/2010	0.05	0.22	0.21
NK-01-03	06/10/2010	0.05	0.2	
NK-01-04	06/10/2010	0.05	0.22	
NK-02-01	06/07/2010	0.05	0.13	0.13
NK-11-01	06/07/2010	0.05	0.11	0.11
NW-11-01	06/09/2010	0.05	0.25	0.25
SK-02-01	06/08/2010	0.05	0.5	0.5
SK-12-01	06/09/2010	0.05	0.67	0.67
SK-12-02	06/09/2010	0.05	0.67	
SK-12-03	06/09/2010	0.05	0.66	
SK-12-04	06/09/2010	0.05	0.67	
SK-31-01	06/10/2010	0.05	3.2	3.2
SK-41-01	06/09/2010	0.05	0.13	0.13
SK-51-01	06/07/2010	0.05	0.93	0.93
SY-02-01	06/09/2010	0.05	0.4	0.4
UT-01-01	06/10/2010	0.05	0.15	0.15
UT-02-01	06/08/2010	0.05	0.31	0.31
UT-03-01	06/10/2010	0.05	0.26	0.26
UT-03-02	06/10/2010	0.05	0.26	
UT-03-03	06/10/2010	0.05	0.27	
UT-03-04	06/10/2010	0.05	0.26	
UT-11-01	06/10/2010	0.05	0.28	0.28
UT-12-01	06/08/2010	0.05	0.24	0.24
UT-41-01	06/09/2010	0.05	0.55	0.55
UT-41-02	06/09/2010	0.05	0.55	
UT-41-03	06/09/2010	0.05	0.55	
UT-41-04	06/09/2010	0.05	0.53	





(Standard is 10 ug/L)

Nickel, Total in ug/L Standard is 10.5 ug/L at 15 mg/L hardness as chronic aquatic life criteria

Sample	Date	MRl	MDL	Result
NW-11-01	05/01/2009	0.2	0.04	0.37
NW-11-02	05/01/2009	0.2	0.04	0.32
NW-11-03	05/01/2009	0.2	0.04	0.3
SK-01-01	05/01/2009	0.2	0.04	0.14
SK-01-02	05/01/2009	0.2	0.04	0.12
SK-01-03	05/01/2009	0.2	0.04	0.14
UT-11-01	05/01/2009	0.2	0.04	0.17
UT-11-02	05/01/2009	0.2	0.04	0.18
UT-11-03	05/01/2009	0.2	0.04	0.17
KC-01-01	05/02/2009	0.2	0.04	0.27
KC-01-02	05/02/2009	0.2	0.04	0.29
KC-01-03	05/02/2009	0.2	0.04	0.28
UT-02-01	05/02/2009	0.2	0.04	0.37
UT-02-02	05/02/2009	0.2	0.04	0.36
UT-02-03	05/02/2009	0.2	0.04	0.36
LT-11-01	05/02/2009	0.2	0.04	0.09
LT-11-02	05/02/2009	0.2	0.04	0.09
LT-11-03	05/02/2009	0.2	0.04	0.08
SY-11-01	05/02/2009	0.2	0.04	0.07
SY-11-02	05/02/2009	0.2	0.04	0.05
SY-11-03	05/02/2009	0.2	0.04	0.13
SK-21-01	05/02/2009	0.2	0.04	0.08
SK-21-02	05/02/2009	0.2	0.04	0.07
SK-21-03	05/02/2009	0.2	0.04	0.06
NK-01-01	05/02/2009	0.2	0.04	0.16
NK-01-02	05/02/2009	0.2	0.04	0.13
NK-01-03	05/02/2009	0.2	0.04	0.14
UT01-01	05/03/2009	0.2	0.04	0.19
UT01-02	05/03/2009	0.2	0.04	0.2
NK-21-01	05/03/2009	0.2	0.04	0.09
NK-21-02	05/03/2009	0.2	0.04	0.08
NK-11-01	05/03/2009	0.2	0.04	0.12
NK-11-02	05/03/2009	0.2	0.04	0.1
NK-11-03	05/03/2009	0.2	0.04	0.09
CH-11-01	05/03/2009	0.2	0.04	0.94
CH-11-02	05/03/2009	0.2	0.04	0.83
CH-11-03	05/03/2009	0.2	0.04	0.85
NK-21-01	05/04/2009	0.2	0.04	0.07
SK-11-01	05/04/2009	0.2	0.04	0.32
SK-11-02	05/04/2009	0.2	0.04	0.27

Sample	Date	MRl	MDL	Result	mean
GH01-01	06/03/2009	0.2	0.02	0.11	0.11
NK11-01	06/04/2009	0.2	0.02	0.17	0.17
SK01-01	06/06/2009	0.2	0.02	0.12	0.12
SK01-02	06/06/2009	0.2	0.02	0.12	
SK01-03	06/06/2009	0.2	0.02	0.12	
SK01-04	06/06/2009	0.2	0.02	0.12	
SK12-01	06/06/2009	0.2	0.02	0.42	0.42
CH11-01	06/05/2009	0.2	0.02	0.24	0.25
CH11-02	06/05/2009	0.2	0.02	0.25	
CH11-03	06/05/2009	0.2	0.02	0.24	
CH11-04	06/05/2009	0.2	0.02	0.25	
UT01-01	06/05/2009	0.2	0.02	0.2	0.20
UT11-01	06/05/2009	0.2	0.02	0.11	0.11
SK31-01	06/05/2009	0.2	0.02	0.46	0.46
UT02-01	06/05/2009	0.2	0.02	0.19	0.19
NK01-01	06/06/2009	0.2	0.02	0.09	0.09
SK21-01	06/06/2009	0.2	0.02	0.07	0.07
NK31-01	06/06/2009	0.2	0.02	0.18	0.18
NK21-01	06/06/2009	0.2	0.02	0.07	0.07
SY11-01	06/07/2009	0.2	0.02	0.06	0.06
SY11-02	06/07/2009	0.2	0.02	0.06	
SY11-03	06/07/2009	0.2	0.02	0.06	
SY11-04	06/07/2009	0.2	0.02	0.06	
KC11-01	06/07/2009	0.2	0.02	0.13	0.13
LT11-01	06/07/2009	0.2	0.02	0.11	0.11
KC01-01	06/07/2009	0.2	0.02	0.12	0.12
KC01-02	06/07/2009	0.2	0.02	0.13	
KC01-03	06/07/2009	0.2	0.02	0.11	
KC01-04	06/07/2009	0.2	0.02	0.13	
SY01-01	06/07/2009	0.2	0.02	0.07	0.07
RC01-01	06/08/2009	0.2	0.02	0.17	0.17
UT21-01	06/08/2009	0.2	0.02	0.11	0.11
UT31-01	06/08/2009	0.2	0.02	0.09	0.09
NW11-01	06/08/2009	0.2	0.02	0.15	0.33

Nickel, Total, in ug/L

Sample	Date	MRL	Result	mean
CH-11-01	06/07/2010	0.2	0.3	0.3
KC-01-01	06/09/2010	0.2	0.1	0.1
NK-01-01	06/10/2010	0.2	ND	0.1
NK-01-02	06/10/2010	0.2	ND	
NK-01-03	06/10/2010	0.2	ND	
NK-01-04	06/10/2010	0.2	ND	
NK-02-01	06/07/2010	0.2	ND	
NK-11-01	06/07/2010	0.2	ND	0.1
NW-11-01	06/09/2010	0.2	0.1	0.1
SK-02-01	06/08/2010	0.2	ND	0.1
SK-12-01	06/09/2010	0.2	0.2	0.25
SK-12-02	06/09/2010	0.2	0.3	
SK-12-03	06/09/2010	0.2	0.3	
SK-12-04	06/09/2010	0.2	0.2	
SK-31-01	06/10/2010	0.2	0.5	0.5
SK-41-01	06/09/2010	0.2	0.1	0.1
SK-51-01	06/07/2010	0.2	ND	0.1
SY-02-01	06/09/2010	0.2	0.1	0.1
UT-01-01	06/10/2010	0.2	0.3	0.3
UT-02-01	06/08/2010	0.2	ND	0.1
UT-03-01	06/10/2010	0.2	0.2	0.2
UT-03-02	06/10/2010	0.2	0.2	
UT-03-03	06/10/2010	0.2	0.2	
UT-03-04	06/10/2010	0.2	0.2	
UT-11-01	06/10/2010	0.2	ND	0.1
UT-12-01	06/08/2010	0.2	ND	0.1
UT-41-01	06/09/2010	0.2	0	0.1
UT-41-02	06/09/2010	0.2	ND	
UT-41-03	06/09/2010	0.2	ND	
UT-41-04	06/09/2010	0.2	ND	

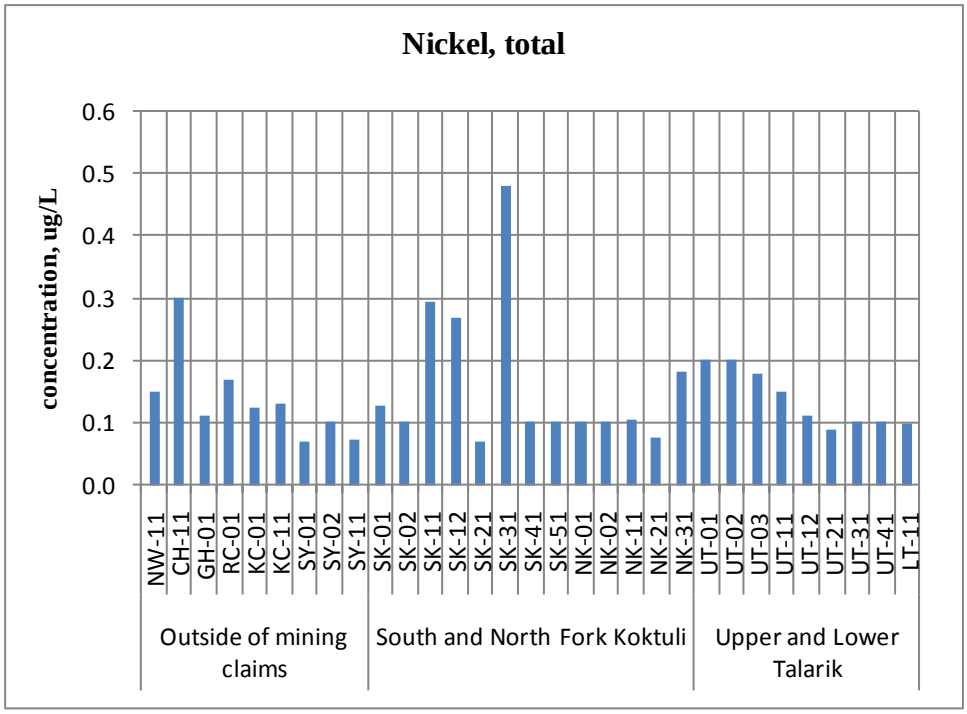
Nickel, Dissolved in ug/L

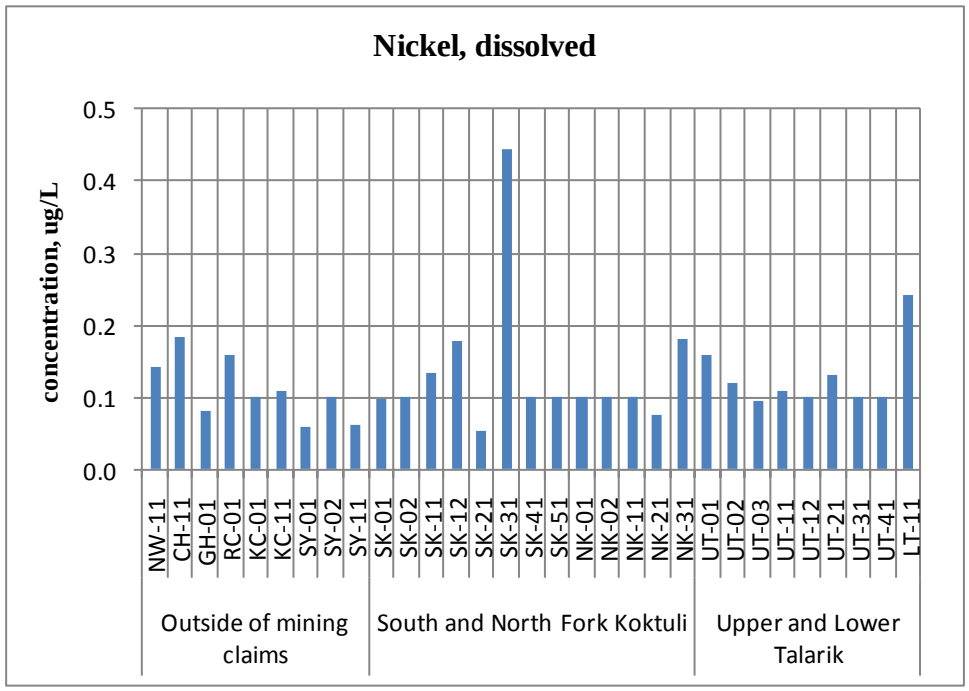
Sample	Date	MRl	MDL	Result	mean
NW-11-01	05/01/2009	0.2	0.04	0.17	0.14
NW-11-02	05/01/2009	0.2	0.04	0.14	
NW-11-03	05/01/2009	0.2	0.04	0.12	
SK-01-01	05/01/2009	0.2	0.04	0.1	0.10
SK-01-02	05/01/2009	0.2	0.04	0.09	
SK-01-03	05/01/2009	0.2	0.04	0.11	
UT-11-01	05/01/2009	0.2	0.04	0.12	0.12
UT-11-02	05/01/2009	0.2	0.04	0.13	
UT-11-03	05/01/2009	0.2	0.04	0.1	
KC-01-01	05/02/2009	0.2	0.04	0.06	0.09
KC-01-02	05/02/2009	0.2	0.04	0.14	
KC-01-03	05/02/2009	0.2	0.04	0.06	
UT-02-01	05/02/2009	0.2	0.04	0.14	0.14
UT-02-02	05/02/2009	0.2	0.04	0.15	
UT-02-03	05/02/2009	0.2	0.04	0.13	
LT-11-01	05/02/2009	0.2	0.04	0.07	0.07
LT-11-02	05/02/2009	0.2	0.04	0.07	
LT-11-03	05/02/2009	0.2	0.04	0.08	
SY-11-01	05/02/2009	0.2	0.04	0.07	0.06
SY-11-02	05/02/2009	0.2	0.04	0.06	
SY-11-03	05/02/2009	0.2	0.04	0.06	
SK-21-01	05/02/2009	0.2	0.04	0.05	0.05
SK-21-02	05/02/2009	0.2	0.04	ND	
SK-21-03	05/02/2009	0.2	0.04	0.05	
NK-01-01	05/02/2009	0.2	0.04	0.09	0.09
NK-01-02	05/02/2009	0.2	0.04	0.09	
NK-01-03	05/02/2009	0.2	0.04	0.1	
UT01-01	05/03/2009	0.2	0.04	0.16	0.13
UT01-02	05/03/2009	0.2	0.04	0.1	
NK-21-01	05/03/2009	0.2	0.04	0.06	0.11
NK-21-02	05/03/2009	0.2	0.04	0.15	
NK-11-01	05/03/2009	0.2	0.04	0.07	0.07
NK-11-02	05/03/2009	0.2	0.04	0.06	
NK-11-03	05/03/2009	0.2	0.04	0.07	
CH-11-01	05/03/2009	0.2	0.04	0.2	0.18
CH-11-02	05/03/2009	0.2	0.04	0.17	
CH-11-03	05/03/2009	0.2	0.04	0.18	
NK-21-01	05/04/2009	0.2	0.04	0.04	0.04
SK-11-01	05/04/2009	0.2	0.04	0.14	0.14
SK-11-02	05/04/2009	0.2	0.04	0.13	

Sample	Date	MRl	MDL	Result	mean
GH01-01	06/03/2009	0.2	0.02	0.08	0.08
NK11-01	06/04/2009	0.2	0.02	0.13	0.13
SK01-01	06/06/2009	0.2	0.02	0.09	0.10
SK01-02	06/06/2009	0.2	0.02	0.11	
SK01-03	06/06/2009	0.2	0.02	0.09	
SK01-04	06/06/2009	0.2	0.02	0.09	
SK12-01	06/06/2009	0.2	0.02	0.21	0.21
CH11-01	06/05/2009	0.2	0.02	0.23	0.21
CH11-02	06/05/2009	0.2	0.02	0.19	
CH11-03	06/05/2009	0.2	0.02	0.19	
CH11-04	06/05/2009	0.2	0.02	0.22	
UT01-01	06/05/2009	0.2	0.02	0.16	0.16
UT11-01	06/05/2009	0.2	0.02	0.08	0.08
SK31-01	06/05/2009	0.2	0.02	0.39	0.39
UT02-01	06/05/2009	0.2	0.02	0.12	0.12
NK01-01	06/06/2009	0.2	0.02	0.1	0.10
SK21-01	06/06/2009	0.2	0.02	0.06	0.06
NK31-01	06/06/2009	0.2	0.02	0.18	0.18
NK21-01	06/06/2009	0.2	0.02	0.07	0.07
SY11-01	06/07/2009	0.2	0.02	0.05	0.06
SY11-02	06/07/2009	0.2	0.02	0.07	
SY11-03	06/07/2009	0.2	0.02	0.07	
SY11-04	06/07/2009	0.2	0.02	0.06	
KC11-01	06/07/2009	0.2	0.02	0.11	0.11
LT11-01	06/07/2009	0.2	0.02	0.41	0.41
KC01-01	06/07/2009	0.2	0.02	0.11	0.12
KC01-02	06/07/2009	0.2	0.02	0.1	
KC01-03	06/07/2009	0.2	0.02	0.13	
KC01-04	06/07/2009	0.2	0.02	0.12	
SY01-01	06/07/2009	0.2	0.02	0.06	0.06
RC01-01	06/08/2009	0.2	0.02	0.16	0.16
UT21-01	06/08/2009	0.2	0.02	0.1	0.10
UT31-01	06/08/2009	0.2	0.02	0.13	0.13
NW11-01	06/08/2009	0.2	0.02	0.16	0.18

Nickel, Dissolved, in ug/L

Sample	Date	MRL	Result	mean of replicates
CH-11-01	06/07/2010	0.2	ND	0.1
KC-01-01	06/09/2010	0.2	0	0.1
NK-01-01	06/10/2010	0.2	ND	0.01
NK-01-02	06/10/2010	0.2	ND	
NK-01-03	06/10/2010	0.2	ND	
NK-01-04	06/10/2010	0.2	ND	
NK-02-01	06/07/2010	0.2	ND	
NK-11-01	06/07/2010	0.2	ND	0.1
NW-11-01	06/09/2010	0.2	ND	0.1
SK-02-01	06/08/2010	0.2	ND	0.1
SK-12-01	06/09/2010	0.2	0.1	0.18
SK-12-02	06/09/2010	0.2	0.2	
SK-12-03	06/09/2010	0.2	0.2	
SK-12-04	06/09/2010	0.2	0.2	
SK-31-01	06/10/2010	0.2	0.5	0.5
SK-41-01	06/09/2010	0.2	0.1	0.1
SK-51-01	06/07/2010	0.2	ND	0.1
SY-02-01	06/09/2010	0.2	0.1	0.1
UT-01-01	06/10/2010	0.2	0.2	0.2
UT-02-01	06/08/2010	0.2	ND	0.1
UT-03-01	06/10/2010	0.2	ND	0.1
UT-03-02	06/10/2010	0.2	ND	
UT-03-03	06/10/2010	0.2	ND	
UT-03-04	06/10/2010	0.2	ND	
UT-11-01	06/10/2010	0.2	ND	0.1
UT-12-01	06/08/2010	0.2	ND	0.1
UT-41-01	06/09/2010	0.2	ND	0.1
UT-41-02	06/09/2010	0.2	0	
UT-41-03	06/09/2010	0.2	ND	
UT-41-04	06/09/2010	0.2	ND	





(Standard is 10.5 ug/L)

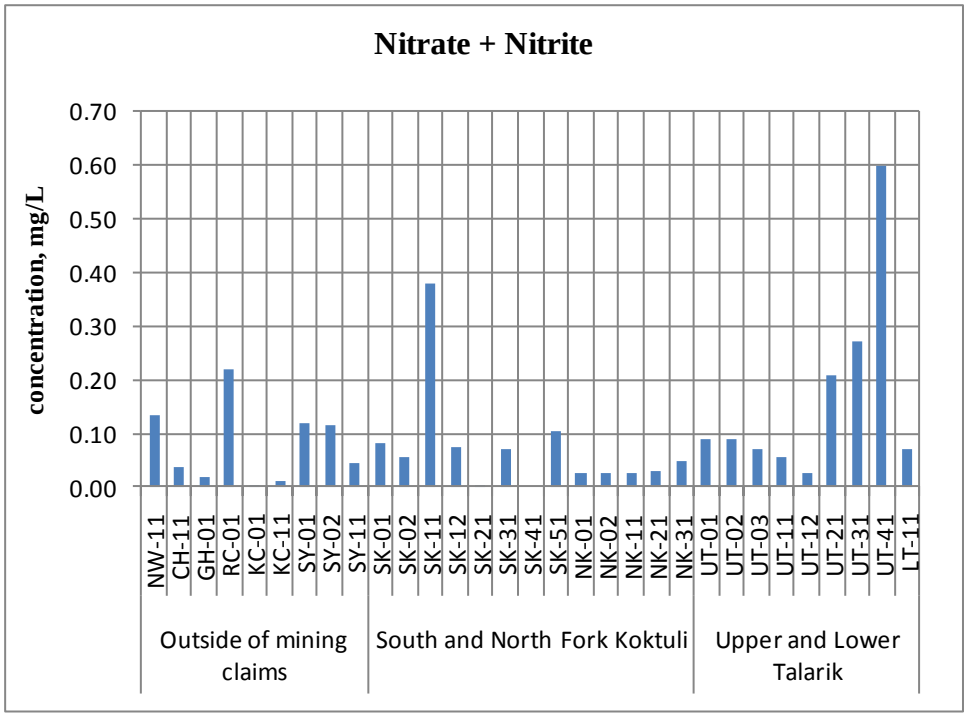
Nitrate+Nitrite as Nitrogen in mg/L Standard is 10 mg/L as drinking water

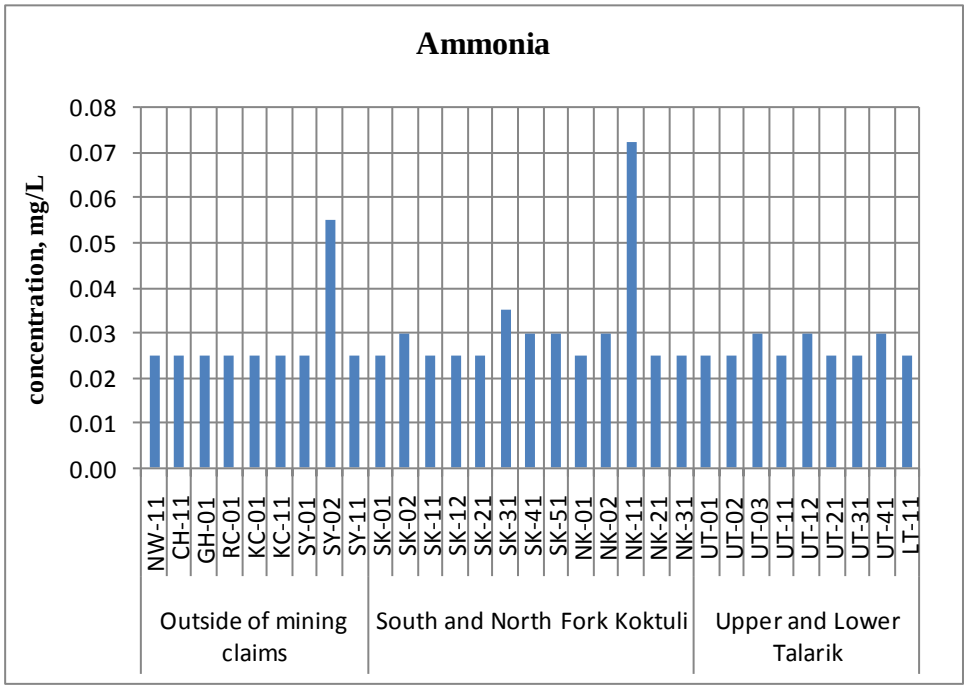
Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.05	0.009	0.17	0.18
NW-11-02	05/01/2009	0.05	0.009	0.18	
SK-01-01	05/01/2009	0.05	0.009	0.13	0.14
SK-01-02	05/01/2009	0.05	0.009	0.14	
UT-11-01	05/01/2009	0.05	0.009	0.15	0.16
UT-11-02	05/01/2009	0.05	0.009	0.16	
KC-01-01	05/02/2009	0.05	0.009	ND	ND
KC-01-02	05/02/2009	0.05	0.009	ND	
UT-02-01	05/02/2009	0.05	0.009	0.12	0.13
UT-02-02	05/02/2009	0.05	0.009	0.13	
LT-11-01	05/02/2009	0.05	0.009	0.14	0.14
LT-11-02	05/02/2009	0.05	0.009	0.14	
SY-11-01	05/02/2009	0.05	0.009	0.06	0.06
SY-11-02	05/02/2009	0.05	0.009	0.06	
SK-21-01	05/02/2009	0.05	0.009	ND	ND
SK-21-02	05/02/2009	0.05	0.009	ND	
NK-01-01	05/02/2009	0.05	0.009	0.05	0.05
NK-01-02	05/02/2009	0.05	0.009	ND	
UT01-01	05/03/2009	0.05	0.009	0.09	0.09
UT01-02	05/03/2009	0.05	0.009	0.09	
NK-21-01	05/03/2009	0.05	0.009	0.06	0.06
NK-21-02	05/03/2009	0.05	0.009	0.05	
NK-11-01	05/03/2009	0.05	0.009	0.039	0.04
NK-11-02	05/03/2009	0.05	0.009	0.035	
CH-11-01	05/03/2009	0.05	0.009	0.035	0.04
CH-11-02	05/03/2009	0.05	0.009	0.036	
SK-11-01	05/04/2009	0.05	0.009	0.38	0.37
SK-11-02	05/04/2009	0.05	0.009	0.35	

Sample	Date	MRl	MDL	Result	mean
GH01-01	06/03/2009	0.05	0.009	0.017	0.02
NK11-01	06/04/2009	0.05	0.009	0.02	0.02
SK01-01	06/06/2009	0.05	0.009	0.037	0.03
SK01-02	06/06/2009	0.05	0.009	0.026	
SK12-01	06/06/2009	0.05	0.009	0.09	0.09
CH11-01	06/05/2009	0.05	0.009	ND	ND
CH11-02	06/05/2009	0.05	0.009	ND	
UT01-01	06/05/2009	0.05	0.009	0.09	0.09
UT11-01	06/05/2009	0.05	0.009	0.034	0.03
SK31-01	06/05/2009	0.05	0.009	0.07	0.07
UT02-01	06/05/2009	0.05	0.009	0.09	0.09
NK01-01	06/06/2009	0.05	0.009	0.015	0.02
SK21-01	06/06/2009	0.05	0.009	ND	ND
NK31-01	06/06/2009	0.05	0.009	0.05	0.05
NK21-01	06/06/2009	0.05	0.009	ND	ND
SY11-01	06/07/2009	0.05	0.009	0.014	0.03
SY11-02	06/07/2009	0.05	0.009	0.044	
KC11-01	06/07/2009	0.05	0.009	0.011	0.01
LT11-01	06/07/2009	0.05	0.009	ND	ND
KC01-01	06/07/2009	0.05	0.009	ND	ND
KC01-02	06/07/2009	0.05	0.009	ND	
SY01-01	06/07/2009	0.05	0.009	0.12	0.12
RC01-01	06/08/2009	0.05	0.009	0.22	0.22
UT21-01	06/08/2009	0.05	0.009	0.21	0.21
UT31-01	06/08/2009	0.05	0.009	0.27	0.27
NW11-01	06/08/2009	0.05	0.009	0.12	0.12

Nitrate and Nitrite, in mg/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.05		0.05	0.05
KC-01-01	06/09/2010	0.05		ND	0.03
NK-01-01	06/10/2010	0.05		ND	0.03
NK-01-02	06/10/2010	0.05		ND	
NK-02-01	06/07/2010	0.05		ND	0.03
NK-11-01	06/07/2010	0.05		ND	0.03
NW-11-01	06/09/2010	0.05		0.135	0.14
SK-02-01	06/08/2010	0.05		0.056	0.06
SK-12-01	06/09/2010	0.05		0.054	0.06
SK-12-02	06/09/2010	0.05		0.065	
SK-31-01	06/10/2010	0.05		0.068	0.07
SK-41-01	06/09/2010	0.05		ND	0.03
SK-51-01	06/07/2010	0.05		0.105	0.11
SY-02-01	06/09/2010	0.05		0.115	0.12
UT-01-01	06/10/2010	0.05		0.126	0.13
UT-02-01	06/08/2010	0.05		0.059	0.06
UT-03-01	06/10/2010	0.05		0.068	0.07
UT-03-02	06/10/2010	0.05		0.073	
UT-11-01	06/10/2010	0.05		0.055	0.06
UT-12-01	06/08/2010	0.05		ND	0.03
UT-41-01	06/09/2010	0.05		0.951	0.60
UT-41-02	06/09/2010	0.05		0.247	





(Nitrate + Nitrite standard is 10 mg/L; Ammonia standard is 5.9 mg/L at pH 7 and 0 ^{o}C for fish-bearing water)

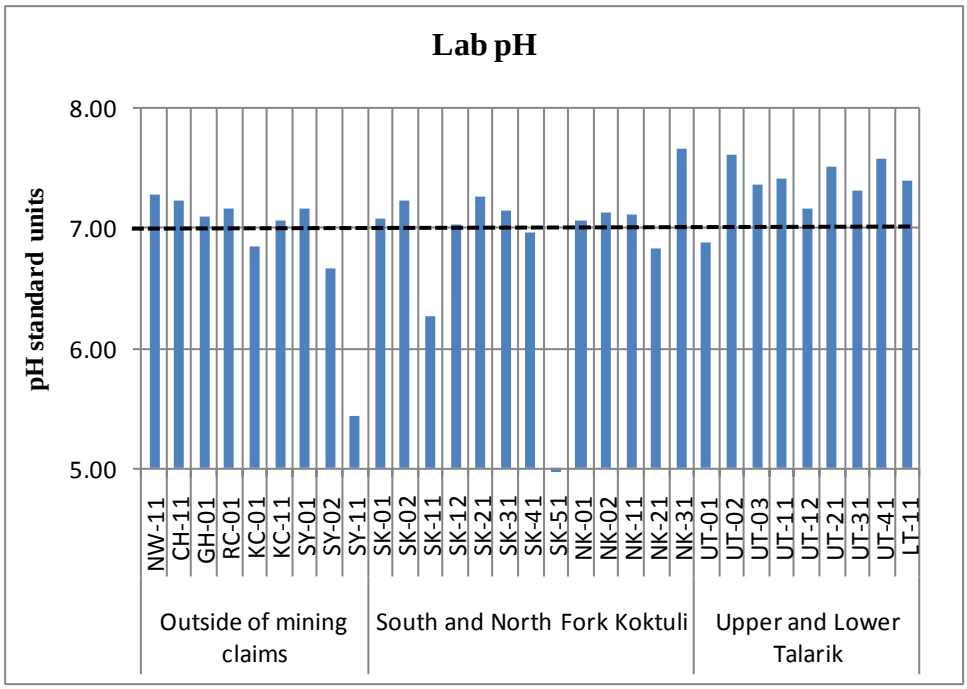
pH in standard units

Sample	Date	Result	mean
NW-11-01	05/01/2009	7.11	7.17
NW-11-02	05/01/2009	7.24	
SK-01-01	05/01/2009	7.1	7.02
SK-01-02	05/01/2009	6.95	
UT-11-01	05/01/2009	7.26	7.19
UT-11-02	05/01/2009	7.13	
KC-01-01	05/02/2009	6.53	6.44
KC-01-02	05/02/2009	6.37	
UT-02-01	05/02/2009	7.07	7.07
UT-02-02	05/02/2009	7.07	
LT-11-01	05/02/2009	7.27	7.20
LT-11-02	05/02/2009	7.14	
SY-11-01	05/02/2009	5.28	5.39
SY-11-02	05/02/2009	5.54	
SK-21-01	05/02/2009	6.86	6.96
SK-21-02	05/02/2009	7.1	
NK-01-01	05/02/2009	7.12	6.88
NK-01-02	05/02/2009	6.72	
UT01-01	05/03/2009	6.6	6.62
UT01-02	05/03/2009	6.64	
NK-21-01	05/03/2009	6.24	6.24
NK-21-02	05/03/2009	6.24	
NK-11-01	05/03/2009	6.48	6.48
NK-11-02	05/03/2009	6.49	
CH-11-01	05/03/2009	7.19	7.14
CH-11-02	05/03/2009	7.09	
SK-11-01	05/04/2009	6.27	6.24
SK-11-02	05/04/2009	6.22	

Sample	Date	Result	mean
GH01-01	06/03/2009	7.1	7.10
NK11-01	06/04/2009	7.51	7.51
SK01-01	06/06/2009	7.13	7.13
SK01-02	06/06/2009	7.14	
SK12-01	06/06/2009	7.05	7.05
CH11-01	06/05/2009	7.47	7.44
CH11-02	06/05/2009	7.41	
UT01-01	06/05/2009	7.45	7.45
UT11-01	06/05/2009	7.62	7.62
SK31-01	06/05/2009	7.22	7.22
UT02-01	06/05/2009	7.63	7.63
NK01-01	06/06/2009	7.28	7.28
SK21-01	06/06/2009	7.55	7.55
NK31-01	06/06/2009	7.66	7.66
NK21-01	06/06/2009	7.41	7.41
SY11-01	06/07/2009	5.53	5.49
SY11-02	06/07/2009	5.45	
KC11-01	06/07/2009	7.06	7.06
LT11-01	06/07/2009	7.59	7.59
KC01-01	06/07/2009	7.08	7.15
KC01-02	06/07/2009	7.24	
SY01-01	06/07/2009	7.16	7.16
RC01-01	06/08/2009	7.17	7.17
UT21-01	06/08/2009	7.51	7.51
UT31-01	06/08/2009	7.32	7.32
NW11-01	06/08/2009	7.63	7.63

pH

Sample	Date	Result	mean of replicates
CH-11-01	06/07/2010	7.24	7.24
KC-01-01	06/09/2010	6.85	6.85
NK-01-01	06/10/2010	7	7.07
NK-01-02	06/10/2010	7.15	
NK-02-01	06/07/2010	7.13	7.13
NK-11-01	06/07/2010	7.11	7.11
NW-11-01	06/09/2010	7.28	7.28
SK-02-01	06/08/2010	7.23	7.23
SK-12-01	06/09/2010	6.99	7.01
SK-12-02	06/09/2010	7.03	
SK-31-01	06/10/2010	7.07	7.07
SK-41-01	06/09/2010	6.97	6.97
SK-51-01	06/07/2010	6.91	6.91
SY-02-01	06/09/2010	6.66	6.66
UT-01-01	06/10/2010	7.22	7.22
UT-02-01	06/08/2010	7.62	7.62
UT-03-01	06/10/2010	7.34	7.36
UT-03-02	06/10/2010	7.38	
UT-11-01	06/10/2010	7.41	7.41
UT-12-01	06/08/2010	7.16	7.16
UT-41-01	06/09/2010	7.56	7.58
UT-41-02	06/09/2010	7.61	



Potassium, Total in ug/L No standard

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	400	30	460	450
NW-11-02	05/01/2009	400	30	440	
NW-11-03	05/01/2009	400	30	451	
SK-01-01	05/01/2009	400	30	313	320
SK-01-02	05/01/2009	400	30	313	
SK-01-03	05/01/2009	400	30	335	
UT-11-01	05/01/2009	400	30	453	460
UT-11-02	05/01/2009	400	30	467	
UT-11-03	05/01/2009	400	30	461	
KC-01-01	05/02/2009	400	30	560	568
KC-01-02	05/02/2009	400	30	574	
KC-01-03	05/02/2009	400	30	570	
UT-02-01	05/02/2009	400	30	468	470
UT-02-02	05/02/2009	400	30	470	
UT-02-03	05/02/2009	400	30	473	
LT-11-01	05/02/2009	400	30	319	326
LT-11-02	05/02/2009	400	30	336	
LT-11-03	05/02/2009	400	30	322	
SY-11-01	05/02/2009	400	30	351	354
SY-11-02	05/02/2009	400	30	362	
SY-11-03	05/02/2009	400	30	348	
SK-21-01	05/02/2009	400	30	357	358
SK-21-02	05/02/2009	400	30	352	
SK-21-03	05/02/2009	400	30	364	
NK-01-01	05/02/2009	400	30	496	496
NK-01-02	05/02/2009	400	30	497	
NK-01-03	05/02/2009	400	30	496	
UT01-01	05/03/2009	400	100	541	557
UT01-02	05/03/2009	400	100	573	
NK-21-01	05/03/2009	400	100	287	289
NK-21-02	05/03/2009	400	100	290	
NK-11-01	05/03/2009	400	100	862	890
NK-11-02	05/03/2009	400	100	909	
NK-11-03	05/03/2009	400	100	898	
CH-11-01	05/03/2009	400	100	749	738
CH-11-02	05/03/2009	400	100	691	
CH-11-03	05/03/2009	400	100	774	
NK-21-01	05/04/2009	400	100	295	295
SK-11-01	05/04/2009	400	100	406	403
SK-11-02	05/04/2009	400	100	399	

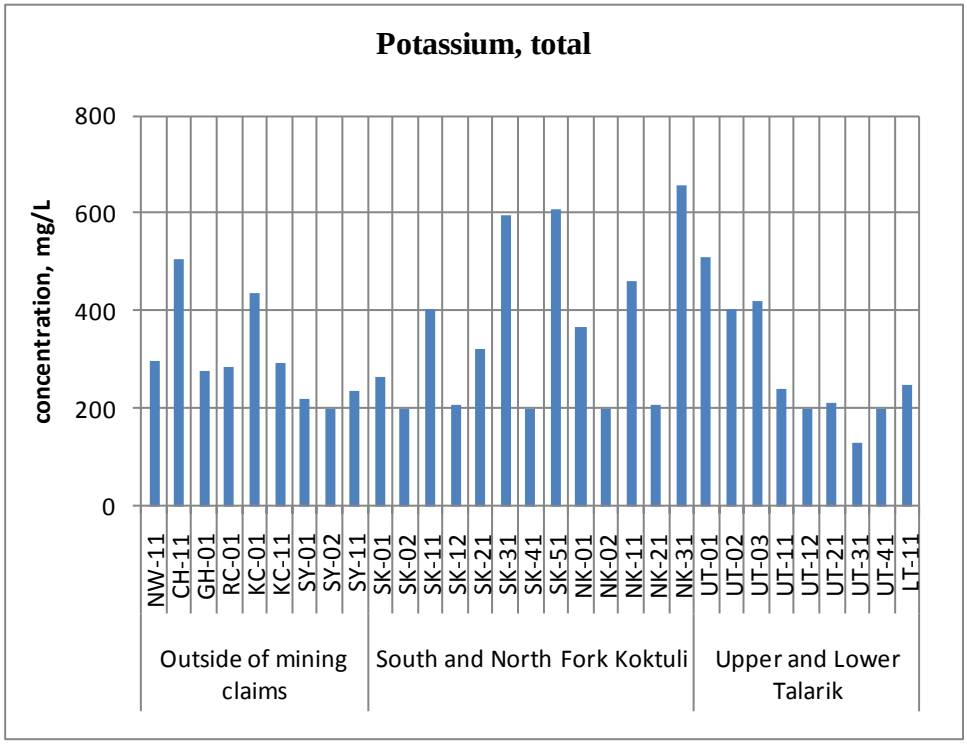
Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	400	40	275	275
NK11-01	06/04/2009	400	40	394	394
SK01-01	06/06/2009	400	40	203	212
SK01-02	06/06/2009	400	40	200	
SK01-03	06/06/2009	400	40	227	
SK01-04	06/06/2009	400	40	216	
SK12-01	06/06/2009	400	40	259	259
CH11-01	06/05/2009	400	40	335	345
CH11-02	06/05/2009	400	40	350	
CH11-03	06/05/2009	400	40	359	
CH11-04	06/05/2009	400	40	335	
UT01-01	06/05/2009	400	40	441	441
UT11-01	06/05/2009	400	40	240	240
SK31-01	06/05/2009	400	40	488	488
UT02-01	06/05/2009	400	40	304	304
NK01-01	06/06/2009	400	40	329	329
SK21-01	06/06/2009	400	40	289	289
NK31-01	06/06/2009	400	40	657	657
NK21-01	06/06/2009	400	40	124	124
SY11-01	06/07/2009	400	50	108	114
SY11-02	06/07/2009	400	50	122	
SY11-03	06/07/2009	400	50	105	
SY11-04	06/07/2009	400	50	119	
KC11-01	06/07/2009	400	50	292	292
LT11-01	06/07/2009	400	50	170	170
KC01-01	06/07/2009	400	50	404	417
KC01-02	06/07/2009	400	50	418	
KC01-03	06/07/2009	400	50	428	
KC01-04	06/07/2009	400	50	418	
SY01-01	06/07/2009	400	50	218	218
RC01-01	06/08/2009	400	50	283	283
UT21-01	06/08/2009	400	50	212	212
UT31-01	06/08/2009	400	50	127	127
NW11-01	06/08/2009	400	50	295	295

Potassium, Total, in mg/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	400		507	507
KC-01-01	06/09/2010	400		434	434
NK-01-01	06/10/2010	400		419	365
NK-01-02	06/10/2010	400		ND	
NK-01-03	06/10/2010	400		416	
NK-01-04	06/10/2010	400		426	
NK-02-01	06/07/2010	400		ND	200
NK-11-01	06/07/2010	400		462	462
NW-11-01	06/09/2010	400		ND	200
SK-02-01	06/08/2010	400		ND	200
SK-12-01	06/09/2010	400		ND	200
SK-12-02	06/09/2010	400		ND	
SK-12-03	06/09/2010	400		ND	
SK-12-04	06/09/2010	400		ND	
SK-31-01	06/10/2010	400		699	699
SK-41-01	06/09/2010	400		ND	200
SK-51-01	06/07/2010	400		606	606
SY-02-01	06/09/2010	400		ND	200
UT-01-01	06/10/2010	400		510	510
UT-02-01	06/08/2010	400		403	403
UT-03-01	06/10/2010	400		404	420
UT-03-02	06/10/2010	400		418	
UT-03-03	06/10/2010	400		422	
UT-03-04	06/10/2010	400		435	
UT-11-01	06/10/2010	400		ND	200
UT-12-01	06/08/2010	400		ND	200
UT-41-01	06/09/2010	400		ND	200
UT-41-02	06/09/2010	400		ND	
UT-41-03	06/09/2010	400		ND	
UT-41-04	06/09/2010	400		ND	

Potassium, Dissolved in ug/L No standard
(June samples were not analyzed for dissolved potassium)

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	400	30	387	400
NW-11-02	05/01/2009	400	30	409	
NW-11-03	05/01/2009	400	30	405	
SK-01-01	05/01/2009	400	30	319	315
SK-01-02	05/01/2009	400	30	310	
SK-01-03	05/01/2009	400	30	317	
UT-11-01	05/01/2009	400	30	482	469
UT-11-02	05/01/2009	400	30	460	
UT-11-03	05/01/2009	400	30	464	
KC-01-01	05/02/2009	400	30	509	506
KC-01-02	05/02/2009	400	30	502	
KC-01-03	05/02/2009	400	30	507	
UT-02-01	05/02/2009	400	30	451	450
UT-02-02	05/02/2009	400	30	444	
UT-02-03	05/02/2009	400	30	455	
LT-11-01	05/02/2009	400	30	334	332
LT-11-02	05/02/2009	400	30	336	
LT-11-03	05/02/2009	400	30	326	
SY-11-01	05/02/2009	400	30	354	345
SY-11-02	05/02/2009	400	30	351	
SY-11-03	05/02/2009	400	30	329	
SK-21-01	05/02/2009	400	30	340	347
SK-21-02	05/02/2009	400	30	357	
SK-21-03	05/02/2009	400	30	344	
NK-01-01	05/02/2009	400	30	484	486
NK-01-02	05/02/2009	400	30	485	
NK-01-03	05/02/2009	400	30	490	
UT01-01	05/03/2009	400	100	576	574
UT01-02	05/03/2009	400	100	572	
NK-21-01	05/03/2009	400	100	282	291
NK-21-02	05/03/2009	400	100	299	
NK-11-01	05/03/2009	400	100	909	887
NK-11-02	05/03/2009	400	100	873	
NK-11-03	05/03/2009	400	100	878	
CH-11-01	05/03/2009	400	100	601	603
CH-11-02	05/03/2009	400	100	614	
CH-11-03	05/03/2009	400	100	595	
NK-21-01	05/04/2009	400	100	281	281
SK-11-01	05/04/2009	400	100	373	374
SK-11-02	05/04/2009	400	100	375	


Potassium, total
concentration, mg/L
800
600
400
200
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

Selenium, Total in ug/L Standard is 5 ug/L as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	1	0.4	ND
NW-11-02	05/01/2009	1	0.4	ND
NW-11-03	05/01/2009	1	0.4	ND
SK-01-01	05/01/2009	1	0.4	ND
SK-01-02	05/01/2009	1	0.4	ND
SK-01-03	05/01/2009	1	0.4	ND
UT-11-01	05/01/2009	1	0.4	ND
UT-11-02	05/01/2009	1	0.4	ND
UT-11-03	05/01/2009	1	0.4	ND
KC-01-01	05/02/2009	1	0.4	ND
KC-01-02	05/02/2009	1	0.4	ND
KC-01-03	05/02/2009	1	0.4	ND
UT-02-01	05/02/2009	1	0.4	ND
UT-02-02	05/02/2009	1	0.4	ND
UT-02-03	05/02/2009	1	0.4	ND
LT-11-01	05/02/2009	1	0.4	ND
LT-11-02	05/02/2009	1	0.4	ND
LT-11-03	05/02/2009	1	0.4	ND
SY-11-01	05/02/2009	1	0.4	ND
SY-11-02	05/02/2009	1	0.4	ND
SY-11-03	05/02/2009	1	0.4	ND
SK-21-01	05/02/2009	1	0.4	ND
SK-21-02	05/02/2009	1	0.4	ND
SK-21-03	05/02/2009	1	0.4	ND
NK-01-01	05/02/2009	1	0.4	ND
NK-01-02	05/02/2009	1	0.4	ND
NK-01-03	05/02/2009	1	0.4	ND
UT01-01	05/03/2009	1	0.4	ND
UT01-02	05/03/2009	1	0.4	ND
NK-21-01	05/03/2009	1	0.4	ND
NK-21-02	05/03/2009	1	0.4	ND
NK-11-01	05/03/2009	1	0.4	ND
NK-11-02	05/03/2009	1	0.4	ND
NK-11-03	05/03/2009	1	0.4	ND
CH-11-01	05/03/2009	1	0.4	ND
CH-11-02	05/03/2009	1	0.4	ND
CH-11-03	05/03/2009	1	0.4	ND
NK-21-01	05/04/2009	1	0.4	ND
SK-11-01	05/04/2009	1	0.4	ND
SK-11-02	05/04/2009	1	0.4	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	1	0.3	ND
NK11-01	06/04/2009	1	0.3	ND
SK01-01	06/06/2009	1	0.3	ND
SK01-02	06/06/2009	1	0.3	ND
SK01-03	06/06/2009	1	0.3	ND
SK01-04	06/06/2009	1	0.3	ND
SK12-01	06/06/2009	1	0.3	ND
CH11-01	06/05/2009	1	0.3	ND
CH11-02	06/05/2009	1	0.3	ND
CH11-03	06/05/2009	1	0.3	ND
CH11-04	06/05/2009	1	0.3	ND
UT01-01	06/05/2009	1	0.3	ND
UT11-01	06/05/2009	1	0.3	ND
SK31-01	06/05/2009	1	0.3	ND
UT02-01	06/05/2009	1	0.3	ND
NK01-01	06/06/2009	1	0.3	ND
SK21-01	06/06/2009	1	0.3	ND
NK31-01	06/06/2009	1	0.3	ND
NK21-01	06/06/2009	1	0.3	ND
SY11-01	06/07/2009	1	0.3	ND
SY11-02	06/07/2009	1	0.3	ND
SY11-03	06/07/2009	1	0.3	ND
SY11-04	06/07/2009	1	0.3	ND
KC11-01	06/07/2009	1	0.3	ND
LT11-01	06/07/2009	1	0.3	ND
KC01-01	06/07/2009	1	0.3	0.3
KC01-02	06/07/2009	1	0.3	ND
KC01-03	06/07/2009	1	0.3	ND
KC01-04	06/07/2009	1	0.3	ND
SY01-01	06/07/2009	1	0.3	ND
RC01-01	06/08/2009	1	0.3	0.3
UT21-01	06/08/2009	1	0.3	ND
UT31-01	06/08/2009	1	0.3	ND
NW11-01	06/08/2009	1	0.3	ND

Selenium, Total, in ug/L

Sample	Date	MRL	Result
CH-11-01	06/07/2010	1.0	ND
KC-01-01	06/09/2010	1.0	ND
NK-02-01	06/07/2010	1.0	ND
NK-11-01	06/07/2010	1.0	ND
NW-11-01	06/09/2010	1.0	ND
SK-02-01	06/08/2010	1.0	ND
SK-12-01	06/09/2010	1.0	ND
SK-12-02	06/09/2010	1.0	ND
SK-12-03	06/09/2010	1.0	ND
SK-12-04	06/09/2010	1.0	ND
SK-41-01	06/09/2010	1.0	ND
SK-51-01	06/07/2010	1.0	ND
SY-02-01	06/09/2010	1.0	ND
UT-02-01	06/08/2010	1.0	ND
UT-12-01	06/08/2010	1.0	ND
UT-41-01	06/09/2010	1.0	ND
UT-41-02	06/09/2010	1.0	ND
UT-41-03	06/09/2010	1.0	ND
UT-41-04	06/09/2010	1.0	ND

Selenium, Dissolved in ug/L

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	1	0.4	ND
NW-11-02	05/01/2009	1	0.4	ND
NW-11-03	05/01/2009	1	0.4	ND
SK-01-01	05/01/2009	1	0.4	ND
SK-01-02	05/01/2009	1	0.4	ND
SK-01-03	05/01/2009	1	0.4	ND
UT-11-01	05/01/2009	1	0.4	ND
UT-11-02	05/01/2009	1	0.4	ND
UT-11-03	05/01/2009	1	0.4	ND
KC-01-01	05/02/2009	1	0.4	ND
KC-01-02	05/02/2009	1	0.4	ND
KC-01-03	05/02/2009	1	0.4	ND
UT-02-01	05/02/2009	1	0.4	ND
UT-02-02	05/02/2009	1	0.4	ND
UT-02-03	05/02/2009	1	0.4	ND
LT-11-01	05/02/2009	1	0.4	ND
LT-11-02	05/02/2009	1	0.4	ND
LT-11-03	05/02/2009	1	0.4	ND
SY-11-01	05/02/2009	1	0.4	ND
SY-11-02	05/02/2009	1	0.4	ND
SY-11-03	05/02/2009	1	0.4	ND
SK-21-01	05/02/2009	1	0.4	ND
SK-21-02	05/02/2009	1	0.4	ND
SK-21-03	05/02/2009	1	0.4	ND
NK-01-01	05/02/2009	1	0.4	ND
NK-01-02	05/02/2009	1	0.4	ND
NK-01-03	05/02/2009	1	0.4	ND
UT01-01	05/03/2009	1	0.4	ND
UT01-02	05/03/2009	1	0.4	ND
NK-21-01	05/03/2009	1	0.4	ND
NK-21-02	05/03/2009	1	0.4	ND
NK-11-01	05/03/2009	1	0.4	ND
NK-11-02	05/03/2009	1	0.4	ND
NK-11-03	05/03/2009	1	0.4	ND
CH-11-01	05/03/2009	1	0.4	ND
CH-11-02	05/03/2009	1	0.4	ND
CH-11-03	05/03/2009	1	0.4	ND
NK-21-01	05/04/2009	1	0.4	ND
SK-11-01	05/04/2009	1	0.4	ND
SK-11-02	05/04/2009	1	0.4	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	1	0.3	ND
NK11-01	06/04/2009	1	0.3	ND
SK01-01	06/06/2009	1	0.3	ND
SK01-02	06/06/2009	1	0.3	ND
SK01-03	06/06/2009	1	0.3	ND
SK01-04	06/06/2009	1	0.3	ND
SK12-01	06/06/2009	1	0.3	ND
CH11-01	06/05/2009	1	0.3	ND
CH11-02	06/05/2009	1	0.3	ND
CH11-03	06/05/2009	1	0.3	ND
CH11-04	06/05/2009	1	0.3	ND
UT01-01	06/05/2009	1	0.3	ND
UT11-01	06/05/2009	1	0.3	ND
SK31-01	06/05/2009	1	0.3	ND
UT02-01	06/05/2009	1	0.3	ND
NK01-01	06/06/2009	1	0.3	ND
SK21-01	06/06/2009	1	0.3	ND
NK31-01	06/06/2009	1	0.3	ND
NK21-01	06/06/2009	1	0.3	ND
SY11-01	06/07/2009	1	0.3	ND
SY11-02	06/07/2009	1	0.3	0.3
SY11-03	06/07/2009	1	0.3	ND
SY11-04	06/07/2009	1	0.3	ND
KC11-01	06/07/2009	1	0.3	ND
LT11-01	06/07/2009	1	0.3	ND
KC01-01	06/07/2009	1	0.3	ND
KC01-02	06/07/2009	1	0.3	ND
KC01-03	06/07/2009	1	0.3	ND
KC01-04	06/07/2009	1	0.3	ND
SY01-01	06/07/2009	1	0.3	ND
RC01-01	06/08/2009	1	0.3	ND
UT21-01	06/08/2009	1	0.3	ND
UT31-01	06/08/2009	1	0.3	ND
NW11-01	06/08/2009	1	0.3	ND

Selenium, Dissolved, in ug/L

Sample	Date	MRL	Result
CH-11-01	06/07/2010	1.0	ND
KC-01-01	06/09/2010	1.0	ND
NK-02-01	06/07/2010	1.0	ND
NK-11-01	06/07/2010	1.0	ND
NW-11-01	06/09/2010	1.0	ND
SK-02-01	06/08/2010	1.0	ND
SK-12-01	06/09/2010	1.0	ND
SK-12-02	06/09/2010	1.0	ND
SK-12-03	06/09/2010	1.0	ND
SK-12-04	06/09/2010	1.0	ND
SK-41-01	06/09/2010	1.0	ND
SK-51-01	06/07/2010	1.0	ND
SY-02-01	06/09/2010	1.0	ND
UT-02-01	06/08/2010	1.0	ND
UT-12-01	06/08/2010	1.0	ND
UT-41-01	06/09/2010	1.0	ND
UT-41-02	06/09/2010	1.0	ND
UT-41-03	06/09/2010	1.0	ND
UT-41-04	06/09/2010	1.0	ND

Sodium, Total in ug/L No standard

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	100	20	1570	1543
NW-11-02	05/01/2009	100	20	1480	
NW-11-03	05/01/2009	100	20	1580	
SK-01-01	05/01/2009	100	20	1580	1600
SK-01-02	05/01/2009	100	20	1630	
SK-01-03	05/01/2009	100	20	1590	
UT-11-01	05/01/2009	100	20	1530	1523
UT-11-02	05/01/2009	100	20	1520	
UT-11-03	05/01/2009	100	20	1520	
KC-01-01	05/02/2009	100	20	1710	1360
KC-01-02	05/02/2009	100	20	1260	
KC-01-03	05/02/2009	100	20	1110	
UT-02-01	05/02/2009	100	20	1610	1647
UT-02-02	05/02/2009	100	20	1740	
UT-02-03	05/02/2009	100	20	1590	
LT-11-01	05/02/2009	100	20	1520	1477
LT-11-02	05/02/2009	100	20	1370	
LT-11-03	05/02/2009	100	20	1540	
SY-11-01	05/02/2009	100	20	504	499
SY-11-02	05/02/2009	100	20	497	
SY-11-03	05/02/2009	100	20	497	
SK-21-01	05/02/2009	100	20	1140	1073
SK-21-02	05/02/2009	100	20	1040	
SK-21-03	05/02/2009	100	20	1040	
NK-01-01	05/02/2009	100	20	1400	1403
NK-01-02	05/02/2009	100	20	1430	
NK-01-03	05/02/2009	100	20	1380	
UT01-01	05/03/2009	200	70	1580	1610
UT01-02	05/03/2009	200	70	1640	
NK-21-01	05/03/2009	200	70	1270	1250
NK-21-02	05/03/2009	200	70	1230	
NK-11-01	05/03/2009	200	70	1540	1520
NK-11-02	05/03/2009	200	70	1530	
NK-11-03	05/03/2009	200	70	1490	
CH-11-01	05/03/2009	200	70	1760	1687
CH-11-02	05/03/2009	200	70	1580	
CH-11-03	05/03/2009	200	70	1720	
NK-21-01	05/04/2009	200	70	1270	1270
SK-11-01	05/04/2009	200	70	1190	1180
SK-11-02	05/04/2009	200	70	1170	

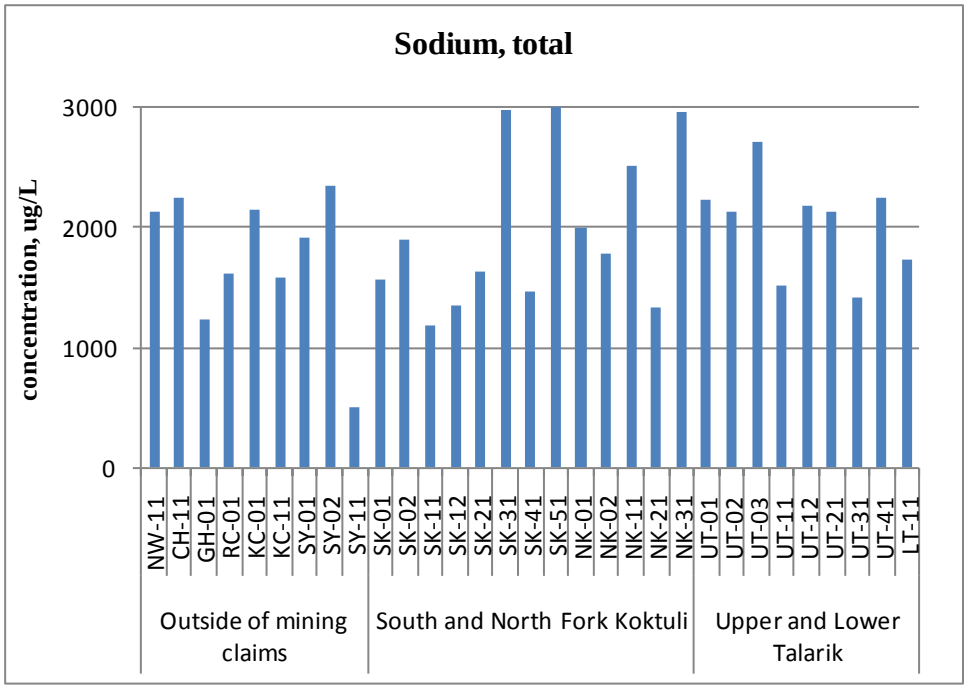
Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	100	20	1240	1240
NK11-01	06/04/2009	100	20	2520	2520
SK01-01	06/06/2009	100	20	1630	1530
SK01-02	06/06/2009	100	20	1550	
SK01-03	06/06/2009	100	20	1460	
SK01-04	06/06/2009	100	20	1480	
SK12-01	06/06/2009	100	20	1280	1280
CH11-01	06/05/2009	100	20	2210	2243
CH11-02	06/05/2009	100	20	2330	
CH11-03	06/05/2009	100	20	2250	
CH11-04	06/05/2009	100	20	2180	
UT01-01	06/05/2009	100	20	2810	2810
UT11-01	06/05/2009	100	20	1450	1450
SK31-01	06/05/2009	100	20	2420	2420
UT02-01	06/05/2009	100	20	2130	2130
NK01-01	06/06/2009	100	20	2000	2000
SK21-01	06/06/2009	100	20	2180	2180
NK31-01	06/06/2009	100	20	2970	2970
NK21-01	06/06/2009	100	20	1420	1420
SY11-01	06/07/2009	200	20	564	513
SY11-02	06/07/2009	200	20	506	
SY11-03	06/07/2009	200	20	486	
SY11-04	06/07/2009	200	20	495	
KC11-01	06/07/2009	200	20	1580	1580
LT11-01	06/07/2009	200	20	1980	1980
KC01-01	06/07/2009	200	20	2140	2155
KC01-02	06/07/2009	200	20	2260	
KC01-03	06/07/2009	200	20	2120	
KC01-04	06/07/2009	200	20	2100	
SY01-01	06/07/2009	200	20	1920	1920
RC01-01	06/08/2009	200	20	1610	1610
UT21-01	06/08/2009	200	20	2140	2140
UT31-01	06/08/2009	200	20	1410	1410
NW11-01	06/08/2009	200	20	2240	2240

Sodium, Total, in mg/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	100		2620	2620
KC-01-01	06/09/2010	100		2340	2340
NK-01-01	06/10/2010	200		2220	1725
NK-01-02	06/10/2010	200		2220	
NK-01-03	06/10/2010	200		2250	
NK-01-04	06/10/2010	200		2230	
NK-02-01	06/07/2010	100		1790	1790
NK-11-01	06/07/2010	100		3010	3010
NW-11-01	06/09/2010	100		2140	2140
SK-02-01	06/08/2010	100		1900	1900
SK-12-01	06/09/2010	100		1440	1068
SK-12-02	06/09/2010	100		1340	
SK-12-03	06/09/2010	100		1340	
SK-12-04	06/09/2010	100		1290	
SK-31-01	06/10/2010	200		3550	3550
SK-41-01	06/09/2010	100		1470	1470
SK-51-01	06/07/2010	100		3560	3560
SY-02-01	06/09/2010	100		2340	2340
UT-01-01	06/10/2010	200		3600	3600
UT-02-01	06/08/2010	100		2490	2490
UT-03-01	06/10/2010	200		2720	2718
UT-03-02	06/10/2010	200		2720	
UT-03-03	06/10/2010	200		2700	
UT-03-04	06/10/2010	200		2730	
UT-11-01	06/10/2010	200		2270	2270
UT-12-01	06/08/2010	100		2190	2190
UT-41-01	06/09/2010	100		2250	2250
UT-41-02	06/09/2010	100		2250	
UT-41-03	06/09/2010	100		2230	
UT-41-04	06/09/2010	100		2270	

Sodium, Dissolved in ug/L No standard
(June samples not analyzed for dissolved sodium)

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	100	20	1530	1553
NW-11-02	05/01/2009	100	20	1550	
NW-11-03	05/01/2009	100	20	1580	
SK-01-01	05/01/2009	100	20	1590	1597
SK-01-02	05/01/2009	100	20	1620	
SK-01-03	05/01/2009	100	20	1580	
UT-11-01	05/01/2009	100	20	1560	1527
UT-11-02	05/01/2009	100	20	1510	
UT-11-03	05/01/2009	100	20	1510	
KC-01-01	05/02/2009	100	20	922	916
KC-01-02	05/02/2009	100	20	911	
KC-01-03	05/02/2009	100	20	915	
UT-02-01	05/02/2009	100	20	1550	1560
UT-02-02	05/02/2009	100	20	1560	
UT-02-03	05/02/2009	100	20	1570	
LT-11-01	05/02/2009	100	20	1330	1333
LT-11-02	05/02/2009	100	20	1350	
LT-11-03	05/02/2009	100	20	1320	
SY-11-01	05/02/2009	100	20	497	495
SY-11-02	05/02/2009	100	20	496	
SY-11-03	05/02/2009	100	20	492	
SK-21-01	05/02/2009	100	20	973	967
SK-21-02	05/02/2009	100	20	960	
SK-21-03	05/02/2009	100	20	968	
NK-01-01	05/02/2009	100	20	1350	1347
NK-01-02	05/02/2009	100	20	1330	
NK-01-03	05/02/2009	100	20	1360	
UT01-01	05/03/2009	200	70	1580	1565
UT01-02	05/03/2009	200	70	1550	
NK-21-01	05/03/2009	200	70	1320	1320
NK-21-02	05/03/2009	200	70	1320	
NK-11-01	05/03/2009	200	70	1450	1427
NK-11-02	05/03/2009	200	70	1420	
NK-11-03	05/03/2009	200	70	1410	
CH-11-01	05/03/2009	200	70	1590	1567
CH-11-02	05/03/2009	200	70	1560	
CH-11-03	05/03/2009	200	70	1550	
NK-21-01	05/04/2009	200	70	1240	1240
SK-11-01	05/04/2009	200	70	1140	1130
SK-11-02	05/04/2009	200	70	1120	


Sodium, total
concentration, ug/L
3000
2000
1000
0
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik

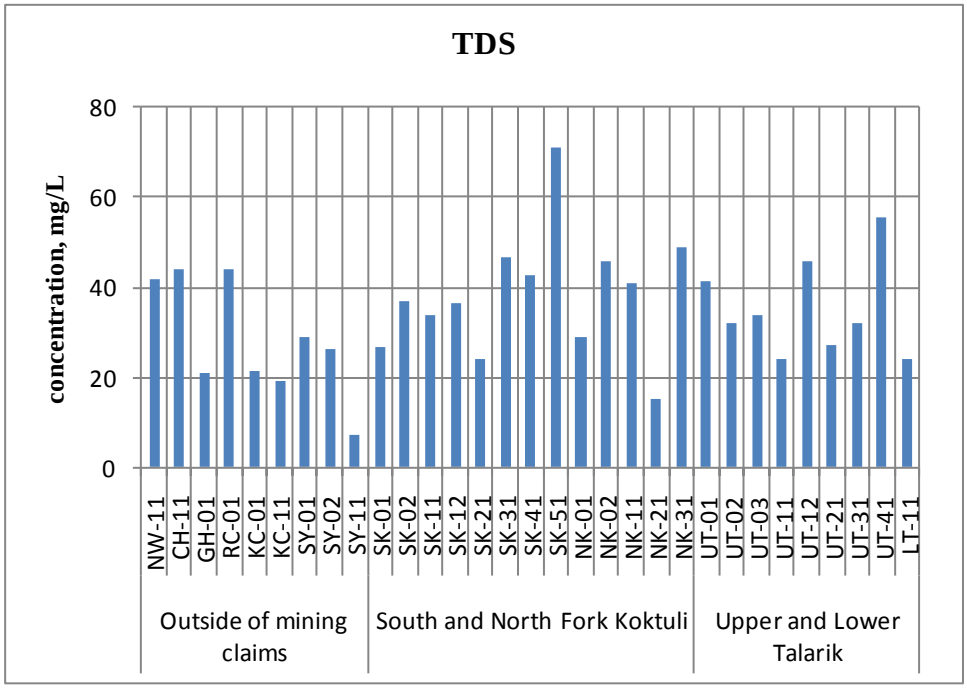
Total Dissolved Solids in mg/L Standard is 500 mg/L as drinking water, although 250 mg/L may be required to be protective of fish eggs

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	5	5	25	25
NW-11-02	05/01/2009	5	5	24	
SK-01-01	05/01/2009	5	5	22	22
SK-01-02	05/01/2009	5	5	22	
UT-11-01	05/01/2009	5	5	25	24
UT-11-02	05/01/2009	5	5	23	
KC-01-01	05/02/2009	5	5	9	13
KC-01-02	05/02/2009	5	5	16	
UT-02-01	05/02/2009	5	5	23	25
UT-02-02	05/02/2009	5	5	26	
LT-11-01	05/02/2009	5	5	21	20
LT-11-02	05/02/2009	5	5	19	
SY-11-01	05/02/2009	5	5	11	11
SY-11-02	05/02/2009	5	5	11	
SK-21-01	05/02/2009	5	5	10	13
SK-21-02	05/02/2009	5	5	16	
NK-01-01	05/02/2009	5	5	19	18
NK-01-02	05/02/2009	5	5	17	
UT01-01	05/03/2009	5	5	33	33
UT01-02	05/03/2009	5	5	33	
NK-21-01	05/03/2009	5	5	27	28
NK-21-02	05/03/2009	5	5	29	
NK-11-01	05/03/2009	5	5	40	40
NK-11-02	05/03/2009	5	5	39	
CH-11-01	05/03/2009	5	5	42	44
CH-11-02	05/03/2009	5	5	46	
SK-11-01	05/04/2009	5	5	34	32
SK-11-02	05/04/2009	5	5	30	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	5	5	21	21
NK11-01	06/04/2009	5	5	41	41
SK01-01	06/06/2009	5	5	27	32
SK01-02	06/06/2009	5	5	36	
SK12-01	06/06/2009	5	5	31	31
CH11-01	06/05/2009	5	5	44	43
CH11-02	06/05/2009	5	5	42	
UT01-01	06/05/2009	5	5	50	50
UT11-01	06/05/2009	5	5	27	27
SK31-01	06/05/2009	5	5	44	44
UT02-01	06/05/2009	5	5	32	32
NK01-01	06/06/2009	5	5	42	42
SK21-01	06/06/2009	5	5	35	35
NK31-01	06/06/2009	5	5	49	49
NK21-01	06/06/2009	5	5	ND	ND
SY11-01	06/07/2009	5	5	5	5
SY11-02	06/07/2009	5	5	ND	
KC11-01	06/07/2009	5	5	19	19
LT11-01	06/07/2009	5	5	28	28
KC01-01	06/07/2009	5	5	32	30
KC01-02	06/07/2009	5	5	28	
SY01-01	06/07/2009	5	5	29	29
RC01-01	06/08/2009	5	5	44	44
UT21-01	06/08/2009	5	5	27	27
UT31-01	06/08/2009	5	5	32	32
NW11-01	06/08/2009	5	5	42	42

Total Dissolved Solids

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	5		56.5	56.50
KC-01-01	06/09/2010	5		21.5	21.50
NK-01-01	06/10/2010	5		30.5	28.75
NK-01-02	06/10/2010	5		27	
NK-02-01	06/07/2010	5		46	46.00
NK-11-01	06/07/2010	5		68.5	68.50
NW-11-01	06/09/2010	5		43	43.00
SK-02-01	06/08/2010	5		37	37.00
SK-12-01	06/09/2010	5		54.5	42.25
SK-12-02	06/09/2010	5		30	
SK-31-01	06/10/2010	10		49	49.00
SK-41-01	06/09/2010	5		42.5	42.50
SK-51-01	06/07/2010	10		71	71.00
SY-02-01	06/09/2010	5		26.5	26.50
UT-01-01	06/10/2010	10		56	56.00
UT-02-01	06/08/2010	5		78.5	78.50
UT-03-01	06/10/2010	10		38	34.00
UT-03-02	06/10/2010	10		30	
UT-11-01	06/10/2010	5		18	18.00
UT-12-01	06/08/2010	5		46	46.00
UT-41-01	06/09/2010	10		48	55.50
UT-41-02	06/09/2010	10		63	



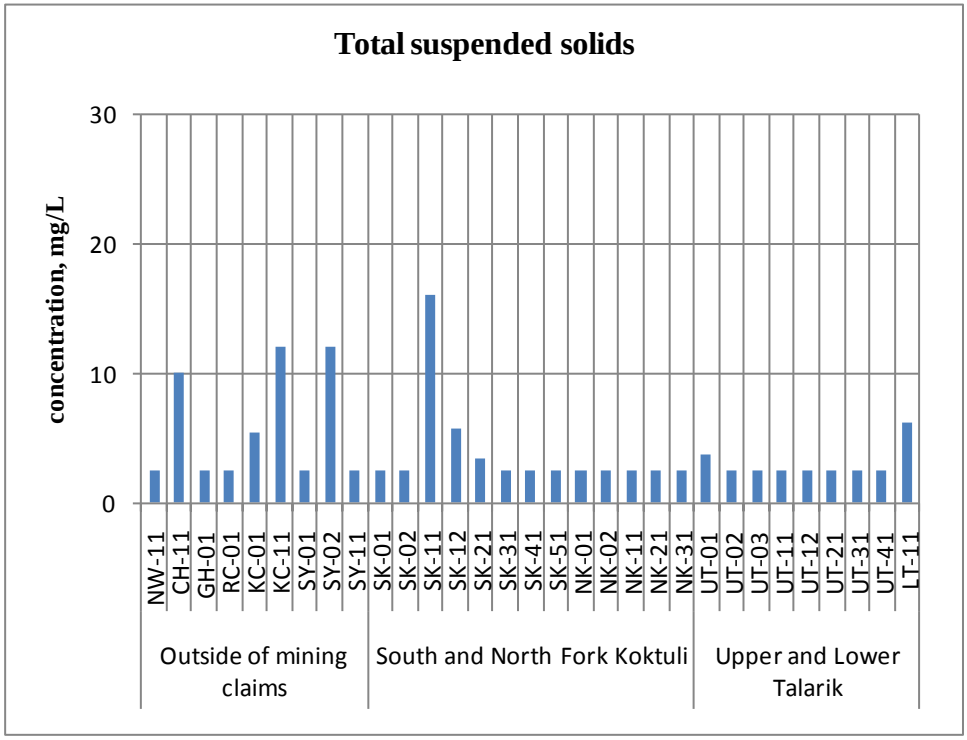
Total Suspended Solids in mg/L No standard

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	5	5	17	17
NW-11-02	05/01/2009	5	5	16	
SK-01-01	05/01/2009	5	5	ND	ND
SK-01-02	05/01/2009	5	5	ND	
UT-11-01	05/01/2009	5	5	6	6
UT-11-02	05/01/2009	5	5	6	
KC-01-01	05/02/2009	5	5	52	52
KC-01-02	05/02/2009	5	5	51	
UT-02-01	05/02/2009	5	5	14	15
UT-02-02	05/02/2009	5	5	15	
LT-11-01	05/02/2009	5	5	ND	ND
LT-11-02	05/02/2009	5	5	ND	
SY-11-01	05/02/2009	5	5	ND	ND
SY-11-02	05/02/2009	5	5	ND	
SK-21-01	05/02/2009	5	5	ND	6
SK-21-02	05/02/2009	5	5	6	
NK-01-01	05/02/2009	5	5	5	5
NK-01-02	05/02/2009	5	5	5	
UT01-01	05/03/2009	5	5	7	6
UT01-02	05/03/2009	5	5	5	
NK-21-01	05/03/2009	5	5	ND	ND
NK-21-02	05/03/2009	5	5	ND	
NK-11-01	05/03/2009	5	5	ND	ND
NK-11-02	05/03/2009	5	5	ND	
CH-11-01	05/03/2009	5	5	38	39
CH-11-02	05/03/2009	5	5	40	
SK-11-01	05/04/2009	5	5	16	16
SK-11-02	05/04/2009	5	5	16	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	5	5	ND	ND
NK11-01	06/04/2009	5	5	19	19
SK01-01	06/06/2009	5	5	ND	ND
SK01-02	06/06/2009	5	5	ND	
SK12-01	06/06/2009	5	5	9	9
CH11-01	06/05/2009	5	5	ND	ND
CH11-02	06/05/2009	5	5	ND	
UT01-01	06/05/2009	5	5	ND	ND
UT11-01	06/05/2009	5	5	ND	ND
SK31-01	06/05/2009	5	5	ND	ND
UT02-01	06/05/2009	5	5	ND	ND
NK01-01	06/06/2009	5	5	ND	ND
SK21-01	06/06/2009	5	5	ND	ND
NK31-01	06/06/2009	5	5	ND	ND
NK21-01	06/06/2009	5	5	ND	ND
SY11-01	06/07/2009	5	5	ND	ND
SY11-02	06/07/2009	5	5	ND	
KC11-01	06/07/2009	5	5	12	12
LT11-01	06/07/2009	5	5	10	10
KC01-01	06/07/2009	5	5	5	6
KC01-02	06/07/2009	5	5	6	
SY01-01	06/07/2009	5	5	ND	ND
RC01-01	06/08/2009	5	5	ND	ND
UT21-01	06/08/2009	5	5	ND	ND
UT31-01	06/08/2009	5	5	ND	ND
NW11-01	06/08/2009	5	5	ND	ND

Total Suspended Solids, in mg/L

Sample	Date	MRL	MDL	Result	mean
CH-11-01	06/07/2010	5		10	10.0
KC-01-01	06/09/2010	5		5	5.0
NK-01-01	06/10/2010	5		ND	2.5
NK-01-02	06/10/2010	5		ND	
NK-02-01	06/07/2010	5		ND	2.5
NK-11-01	06/07/2010	5		ND	2.5
NW-11-01	06/09/2010	5		ND	2.5
SK-02-01	06/08/2010	5		ND	2.5
SK-12-01	06/09/2010	5		ND	2.5
SK-12-02	06/09/2010	5		ND	
SK-31-01	06/10/2010	5		ND	2.5
SK-41-01	06/09/2010	5		ND	2.5
SK-51-01	06/07/2010	5		ND	2.5
SY-02-01	06/09/2010	5		12	12.0
UT-01-01	06/10/2010	5		ND	2.5
UT-02-01	06/08/2010	5		ND	2.5
UT-03-01	06/10/2010	5		ND	2.5
UT-03-02	06/10/2010	5		ND	
UT-11-01	06/10/2010	5		ND	2.5
UT-12-01	06/08/2010	5		ND	2.5
UT-41-01	06/09/2010	5		ND	2.5
UT-41-02	06/09/2010	5		ND	



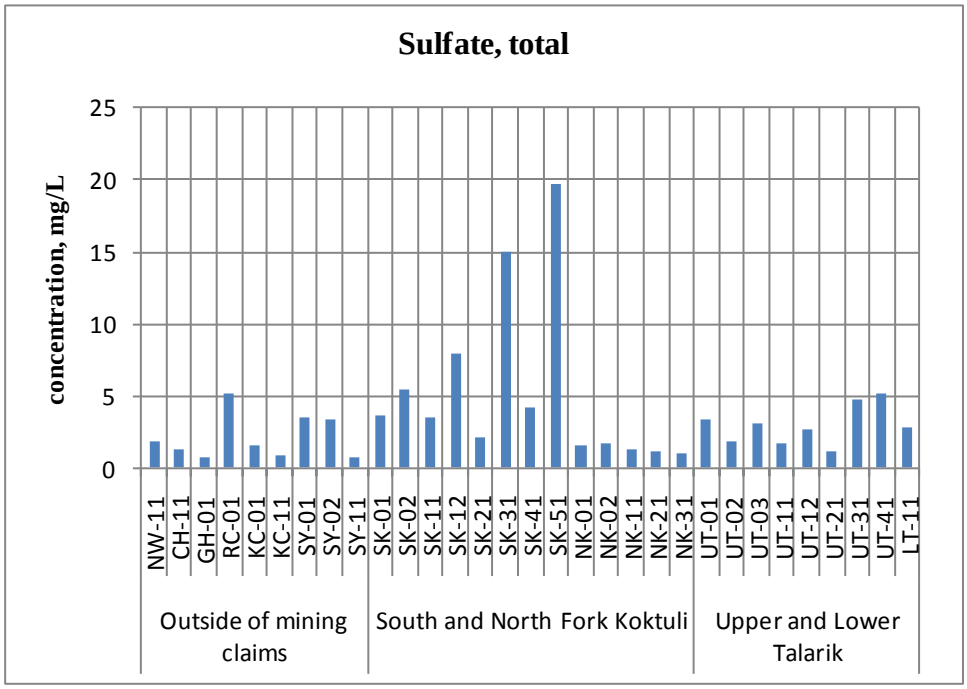
Sulfate in mg/L Standard is 250 mg/L as drinking water

Sample	Date	MRL	MDl	Result	mean
NW-11-01	05/01/2009	0.2	0.012	1.5	2
NW-11-02	05/01/2009	0.2	0.012	1.5	
SK-01-01	05/01/2009	0.2	0.012	3.6	4
SK-01-02	05/01/2009	0.2	0.012	3.6	
UT-11-01	05/01/2009	0.2	0.012	1.7	2
UT-11-02	05/01/2009	0.2	0.012	1.7	
KC-01-01	05/02/2009	0.2	0.012	0.9	1
KC-01-02	05/02/2009	0.2	0.012	1.0	
UT-02-01	05/02/2009	0.2	0.012	1.5	2
UT-02-02	05/02/2009	0.2	0.012	1.5	
LT-11-01	05/02/2009	0.2	0.012	2.3	2
LT-11-02	05/02/2009	0.2	0.012	2.2	
SY-11-01	05/02/2009	0.2	0.012	0.9	1
SY-11-02	05/02/2009	0.2	0.012	0.8	
SK-21-01	05/02/2009	0.2	0.012	1.5	2
SK-21-02	05/02/2009	0.2	0.012	1.5	
NK-01-01	05/02/2009	0.2	0.012	1.4	1
NK-01-02	05/02/2009	0.2	0.012	1.4	
UT01-01	05/03/2009	0.2	0.012	2.8	3
UT01-02	05/03/2009	0.2	0.012	2.8	
NK-21-01	05/03/2009	0.2	0.012	1.2	1
NK-21-02	05/03/2009	0.2	0.012	1.2	
NK-11-01	05/03/2009	0.2	0.012	1.0	1
NK-11-02	05/03/2009	0.2	0.012	1.0	
CH-11-01	05/03/2009	0.2	0.012	1.3	1
CH-11-02	05/03/2009	0.2	0.012	1.2	
SK-11-01	05/04/2009	0.2	0.012	3.5	4
SK-11-02	05/04/2009	0.2	0.012	3.5	

Sample	Date	MRL	MDl	Result	mean
GH01-01	06/03/2009	0.2	0.012	0.7	1
NK11-01	06/04/2009	0.2	0.012	1.3	1
SK01-01	06/06/2009	0.2	0.012	3.7	4
SK01-02	06/06/2009	0.2	0.012	3.8	
SK12-01	06/06/2009	0.2	0.012	5.5	6
CH11-01	06/05/2009	0.2	0.012	1.3	1
CH11-02	06/05/2009	0.2	0.012	1.3	
UT01-01	06/05/2009	0.2	0.012	4.0	4
UT11-01	06/05/2009	0.2	0.012	1.4	1
SK31-01	06/05/2009	0.2	0.012	10.1	10
UT02-01	06/05/2009	0.2	0.012	1.9	2
NK01-01	06/06/2009	0.2	0.012	1.6	2
SK21-01	06/06/2009	0.2	0.012	2.8	3
NK31-01	06/06/2009	0.2	0.012	1.0	1
NK21-01	06/06/2009	0.2	0.012	1.0	1
SY11-01	06/07/2009	0.2	0.012	0.7	1
SY11-02	06/07/2009	0.2	0.012	0.6	
KC11-01	06/07/2009	0.2	0.012	0.9	1
LT11-01	06/07/2009	0.2	0.012	3.4	3
KC01-01	06/07/2009	0.2	0.012	1.5	2
KC01-02	06/07/2009	0.2	0.012	1.6	
SY01-01	06/07/2009	0.2	0.012	3.5	4
RC01-01	06/08/2009	0.2	0.012	5.2	5
UT21-01	06/08/2009	0.2	0.012	1.2	1
UT31-01	06/08/2009	0.2	0.012	4.8	5
NW11-01	06/08/2009	0.2	0.012	1.8	2

Sulfate, in mg/L

Sample	Date	MRL	Result	mean of replicates
CH-11-01	06/07/2010	0.4	1.94	1.94
KC-01-01	06/09/2010	0.4	2.11	2.11
NK-01-01	06/10/2010	0.4	1.93	1.98
NK-01-02	06/10/2010	0.4	2.03	
NK-02-01	06/07/2010	0.4	1.7	1.70
NK-11-01	06/07/2010	0.4	1.61	1.61
NW-11-01	06/09/2010	0.4	3.57	3.57
SK-02-01	06/08/2010	0.4	5.44	5.44
SK-12-01	06/09/2010	0.4	9.93	10.37
SK-12-02	06/09/2010	0.4	10.8	
SK-31-01	06/10/2010	1	19.9	19.90
SK-41-01	06/09/2010	0.4	4.22	4.22
SK-51-01	06/07/2010	0.4	19.7	19.70
SY-02-01	06/09/2010	0.4	3.33	3.33
UT-01-01	06/10/2010	0.4	7.68	7.68
UT-02-01	06/08/2010	0.4	3.06	3.06
UT-03-01	06/10/2010	0.4	3.02	3.09
UT-03-02	06/10/2010	0.4	3.15	
UT-11-01	06/10/2010	0.4	2.6	2.60
UT-12-01	06/08/2010	0.4	2.64	2.64
UT-41-01	06/09/2010	0.4	5.3	5.16
UT-41-02	06/09/2010	0.4	5.02	



Uranium, Total in ug/L Standard is 30 ug/L as drinking water

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	0.02	0.02	0.05
NW-11-02	05/01/2009	0.02	0.02	0.048
NW-11-03	05/01/2009	0.02	0.02	0.048
SK-01-01	05/01/2009	0.02	0.02	ND
SK-01-02	05/01/2009	0.02	0.02	ND
SK-01-03	05/01/2009	0.02	0.02	ND
UT-11-01	05/01/2009	0.02	0.02	0.028
UT-11-02	05/01/2009	0.02	0.02	0.033
UT-11-03	05/01/2009	0.02	0.02	0.032
KC-01-01	05/02/2009	0.02	0.02	0.113
KC-01-02	05/02/2009	0.02	0.02	0.115
KC-01-03	05/02/2009	0.02	0.02	0.115
UT-02-01	05/02/2009	0.02	0.02	0.046
UT-02-02	05/02/2009	0.02	0.02	0.048
UT-02-03	05/02/2009	0.02	0.02	0.046
LT-11-01	05/02/2009	0.02	0.02	ND
LT-11-02	05/02/2009	0.02	0.02	ND
LT-11-03	05/02/2009	0.02	0.02	ND
SY-11-01	05/02/2009	0.02	0.02	ND
SY-11-02	05/02/2009	0.02	0.02	ND
SY-11-03	05/02/2009	0.02	0.02	ND
SK-21-01	05/02/2009	0.02	0.02	ND
SK-21-02	05/02/2009	0.02	0.02	ND
SK-21-03	05/02/2009	0.02	0.02	ND
NK-01-01	05/02/2009	0.02	0.02	ND
NK-01-02	05/02/2009	0.02	0.02	ND
NK-01-03	05/02/2009	0.02	0.02	ND
UT01-01	05/03/2009	0.02	0.02	0.037
UT01-02	05/03/2009	0.02	0.02	0.043
NK-21-01	05/03/2009	0.02	0.02	ND
NK-21-02	05/03/2009	0.02	0.02	ND
NK-11-01	05/03/2009	0.02	0.02	ND
NK-11-02	05/03/2009	0.02	0.02	ND
NK-11-03	05/03/2009	0.02	0.02	ND
CH-11-01	05/03/2009	0.02	0.02	0.097
CH-11-02	05/03/2009	0.02	0.02	0.09
CH-11-03	05/03/2009	0.02	0.02	0.09
NK-21-01	05/04/2009	0.02	0.02	ND
SK-11-01	05/04/2009	0.02	0.02	ND
SK-11-02	05/04/2009	0.02	0.02	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	0.02	0.003	0.024
NK11-01	06/04/2009	0.02	0.003	0.02
SK01-01	06/06/2009	0.02	0.003	0.005
SK01-02	06/06/2009	0.02	0.003	0.005
SK01-03	06/06/2009	0.02	0.003	ND
SK01-04	06/06/2009	0.02	0.003	ND
SK12-01	06/06/2009	0.02	0.003	0.007
CH11-01	06/05/2009	0.02	0.003	0.017
CH11-02	06/05/2009	0.02	0.003	0.016
CH11-03	06/05/2009	0.02	0.003	0.017
CH11-04	06/05/2009	0.02	0.003	0.015
UT01-01	06/05/2009	0.02	0.003	0.052
UT11-01	06/05/2009	0.02	0.003	0.02
SK31-01	06/05/2009	0.02	0.003	0.005
UT02-01	06/05/2009	0.02	0.003	0.021
NK01-01	06/06/2009	0.02	0.003	0.008
SK21-01	06/06/2009	0.02	0.003	0.006
NK31-01	06/06/2009	0.02	0.003	0.024
NK21-01	06/06/2009	0.02	0.003	ND
SY11-01	06/07/2009	0.02	0.003	0.007
SY11-02	06/07/2009	0.02	0.003	0.008
SY11-03	06/07/2009	0.02	0.003	0.005
SY11-04	06/07/2009	0.02	0.003	0.004
KC11-01	06/07/2009	0.02	0.003	0.014
LT11-01	06/07/2009	0.02	0.003	0.015
KC01-01	06/07/2009	0.02	0.003	0.023
KC01-02	06/07/2009	0.02	0.003	0.02
KC01-03	06/07/2009	0.02	0.003	0.023
KC01-04	06/07/2009	0.02	0.003	0.022
SY01-01	06/07/2009	0.02	0.003	0.01
RC01-01	06/08/2009	0.02	0.003	0.015
UT21-01	06/08/2009	0.02	0.003	0.02
UT31-01	06/08/2009	0.02	0.003	0.006
NW11-01	06/08/2009	0.02	0.003	0.024

Uranium, Total, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.02		0.034	0.03
KC-01-01	06/09/2010	0.02		0.016	0.02
NK-01-01	06/10/2010	0.02		ND	0.01
NK-01-02	06/10/2010	0.02		ND	
NK-01-03	06/10/2010	0.02		ND	
NK-01-04	06/10/2010	0.02		ND	
NK-02-01	06/07/2010	0.02		ND	0.01
NK-11-01	06/07/2010	0.02		ND	0.01
NW-11-01	06/09/2010	0.02		0.027	0.03
SK-02-01	06/08/2010	0.02		ND	ND
SK-12-01	06/09/2010	0.02		0.01	0.01
SK-12-02	06/09/2010	0.02		0.007	
SK-12-03	06/09/2010	0.02		ND	
SK-12-04	06/09/2010	0.02		ND	
SK-31-01	06/10/2010	0.02		ND	0.01
SK-41-01	06/09/2010	0.02		ND	0.01
SK-51-01	06/07/2010	0.02		ND	0.01
SY-02-01	06/09/2010	0.02		0.025	0.03
UT-01-01	06/10/2010	0.02		0.07	0.07
UT-02-01	06/08/2010	0.02		0.03	0.03
UT-03-01	06/10/2010	0.02		0.04	0.04
UT-03-02	06/10/2010	0.02		0.04	
UT-03-03	06/10/2010	0.02		0.04	
UT-03-04	06/10/2010	0.02		0.04	
UT-11-01	06/10/2010	0.02		0.03	0.03
UT-12-01	06/08/2010	0.02		0.05	0.05
UT-41-01	06/09/2010	0.02		0.092	0.09
UT-41-02	06/09/2010	0.02		0.093	
UT-41-03	06/09/2010	0.02		0.09	
UT-41-04	06/09/2010	0.02		0.087	

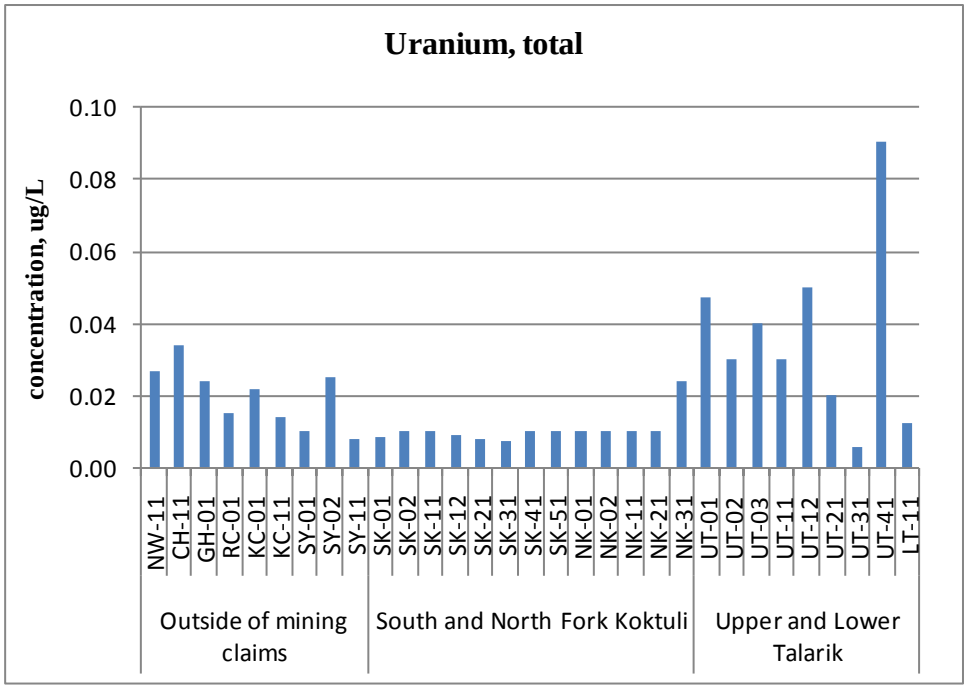
Uranium, Dissolved in ug/L

Sample	Date	MRL	MDL	Result
NW-11-01	05/01/2009	0.02	0.02	ND
NW-11-02	05/01/2009	0.02	0.02	ND
NW-11-03	05/01/2009	0.02	0.02	ND
SK-01-01	05/01/2009	0.02	0.02	ND
SK-01-02	05/01/2009	0.02	0.02	ND
SK-01-03	05/01/2009	0.02	0.02	ND
UT-11-01	05/01/2009	0.02	0.02	ND
UT-11-02	05/01/2009	0.02	0.02	ND
UT-11-03	05/01/2009	0.02	0.02	ND
KC-01-01	05/02/2009	0.02	0.02	ND
KC-01-02	05/02/2009	0.02	0.02	ND
KC-01-03	05/02/2009	0.02	0.02	ND
UT-02-01	05/02/2009	0.02	0.02	ND
UT-02-02	05/02/2009	0.02	0.02	ND
UT-02-03	05/02/2009	0.02	0.02	ND
LT-11-01	05/02/2009	0.02	0.02	ND
LT-11-02	05/02/2009	0.02	0.02	ND
LT-11-03	05/02/2009	0.02	0.02	ND
SY-11-01	05/02/2009	0.02	0.02	ND
SY-11-02	05/02/2009	0.02	0.02	ND
SY-11-03	05/02/2009	0.02	0.02	ND
SK-21-01	05/02/2009	0.02	0.02	ND
SK-21-02	05/02/2009	0.02	0.02	ND
SK-21-03	05/02/2009	0.02	0.02	ND
NK-01-01	05/02/2009	0.02	0.02	ND
NK-01-02	05/02/2009	0.02	0.02	ND
NK-01-03	05/02/2009	0.02	0.02	ND
UT01-01	05/03/2009	0.02	0.02	ND
UT01-02	05/03/2009	0.02	0.02	ND
NK-21-01	05/03/2009	0.02	0.02	ND
NK-21-02	05/03/2009	0.02	0.02	ND
NK-11-01	05/03/2009	0.02	0.02	ND
NK-11-02	05/03/2009	0.02	0.02	ND
NK-11-03	05/03/2009	0.02	0.02	ND
CH-11-01	05/03/2009	0.02	0.02	ND
CH-11-02	05/03/2009	0.02	0.02	ND
CH-11-03	05/03/2009	0.02	0.02	ND
NK-21-01	05/04/2009	0.02	0.02	ND
SK-11-01	05/04/2009	0.02	0.02	ND
SK-11-02	05/04/2009	0.02	0.02	ND

Sample	Date	MRL	MDL	Result
GH01-01	06/03/2009	0.02	0.003	0.016
NK11-01	06/04/2009	0.02	0.003	0.01
SK01-01	06/06/2009	0.02	0.003	ND
SK01-02	06/06/2009	0.02	0.003	ND
SK01-03	06/06/2009	0.02	0.003	ND
SK01-04	06/06/2009	0.02	0.003	ND
SK12-01	06/06/2009	0.02	0.003	ND
CH11-01	06/05/2009	0.02	0.003	0.01
CH11-02	06/05/2009	0.02	0.003	0.012
CH11-03	06/05/2009	0.02	0.003	0.012
CH11-04	06/05/2009	0.02	0.003	0.012
UT01-01	06/05/2009	0.02	0.003	0.044
UT11-01	06/05/2009	0.02	0.003	0.015
SK31-01	06/05/2009	0.02	0.003	ND
UT02-01	06/05/2009	0.02	0.003	0.016
NK01-01	06/06/2009	0.02	0.003	0.006
SK21-01	06/06/2009	0.02	0.003	0.005
NK31-01	06/06/2009	0.02	0.003	0.018
NK21-01	06/06/2009	0.02	0.003	ND
SY11-01	06/07/2009	0.02	0.003	0.005
SY11-02	06/07/2009	0.02	0.003	0.013
SY11-03	06/07/2009	0.02	0.003	0.004
SY11-04	06/07/2009	0.02	0.003	0.004
KC11-01	06/07/2009	0.02	0.003	0.006
LT11-01	06/07/2009	0.02	0.003	0.008
KC01-01	06/07/2009	0.02	0.003	0.012
KC01-02	06/07/2009	0.02	0.003	0.011
KC01-03	06/07/2009	0.02	0.003	0.01
KC01-04	06/07/2009	0.02	0.003	0.012
SY01-01	06/07/2009	0.02	0.003	0.008
RC01-01	06/08/2009	0.02	0.003	0.008
UT21-01	06/08/2009	0.02	0.003	0.013
UT31-01	06/08/2009	0.02	0.003	0.004
NW11-01	06/08/2009	0.02	0.003	0.019

Uranium, Dissolved, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.02		ND	0.01
KC-01-01	06/09/2010	0.02		0.009	0.01
NK-01-02	06/10/2010	0.02		ND	0.01
NK-01-03	06/10/2010	0.02		ND	
NK-01-04	06/10/2010	0.02		ND	
NK-02-01	06/07/2010	0.02		ND	0.01
NK-11-01	06/07/2010	0.02		ND	0.01
NW-11-01	06/09/2010	0.02		0.024	0.02
SK-02-01	06/08/2010	0.02		ND	0.01
SK-12-01	06/09/2010	0.02		0.004	0.01
SK-12-02	06/09/2010	0.02		ND	
SK-12-03	06/09/2010	0.02		ND	
SK-12-04	06/09/2010	0.02		ND	
SK-31-01	06/10/2010	0.02		ND	0.01
SK-41-01	06/09/2010	0.02		ND	0.01
SK-51-01	06/07/2010	0.02		ND	0.01
SY-02-01	06/09/2010	0.02		0.006	0.01
UT-01-01	06/10/2010	0.02		0.06	0.06
UT-02-01	06/08/2010	0.02		0.03	0.03
UT-03-01	06/10/2010	0.02		0.03	0.03
UT-03-02	06/10/2010	0.02		0.03	
UT-03-03	06/10/2010	0.02		0.03	
UT-03-04	06/10/2010	0.02		0.03	
UT-11-01	06/10/2010	0.02		0.03	0.03
UT-12-01	06/08/2010	0.02		0.03	0.03
UT-41-01	06/09/2010	0.02		0.082	0.08
UT-41-02	06/09/2010	0.02		0.085	
UT-41-03	06/09/2010	0.02		0.087	
UT-41-04	06/09/2010	0.02		0.084	



(Standard is 30 ug/L)

Zinc, Total in ug/L Standard is 24 ug/L as chronic aquatic life criteria

Sample	Date	MRL	MDL	Result	mean
NW-11-01	05/01/2009	0.5	0.08	3.1	3.32
NW-11-02	05/01/2009	0.5	0.08	2.36	
NW-11-03	05/01/2009	0.5	0.08	4.51	
SK-01-01	05/01/2009	0.5	0.08	3.41	3.78
SK-01-02	05/01/2009	0.5	0.08	3.67	
SK-01-03	05/01/2009	0.5	0.08	4.26	
UT-11-01	05/01/2009	0.5	0.08	3.81	4.20
UT-11-02	05/01/2009	0.5	0.08	1.72	
UT-11-03	05/01/2009	0.5	0.08	7.08	
KC-01-01	05/02/2009	0.5	0.08	5.45	5.12
KC-01-02	05/02/2009	0.5	0.08	5.81	
KC-01-03	05/02/2009	0.5	0.08	4.09	
UT-02-01	05/02/2009	0.5	0.08	2.99	5.88
UT-02-02	05/02/2009	0.5	0.08	8.6	
UT-02-03	05/02/2009	0.5	0.08	6.06	
LT-11-01	05/02/2009	0.5	0.08	1.5	3.78
LT-11-02	05/02/2009	0.5	0.08	8.76	
LT-11-03	05/02/2009	0.5	0.08	1.08	
SY-11-01	05/02/2009	0.5	0.08	15.3	9.44
SY-11-02	05/02/2009	0.5	0.08	9.12	
SY-11-03	05/02/2009	0.5	0.08	3.89	
SK-21-01	05/02/2009	0.5	0.08	7.63	4.50
SK-21-02	05/02/2009	0.5	0.08	3.4	
SK-21-03	05/02/2009	0.5	0.08	2.46	
NK-01-01	05/02/2009	0.5	0.08	13	7.20
NK-01-02	05/02/2009	0.5	0.08	6.56	
NK-01-03	05/02/2009	0.5	0.08	2.04	
UT01-01	05/03/2009	0.5	0.08	6.99	5.16
UT01-02	05/03/2009	0.5	0.08	3.32	
NK-21-01	05/03/2009	0.5	0.08	13.5	7.95
NK-21-02	05/03/2009	0.5	0.08	2.39	
NK-11-01	05/03/2009	0.5	0.08	3	2.37
NK-11-02	05/03/2009	0.5	0.08	2.7	
NK-11-03	05/03/2009	0.5	0.08	1.41	
CH-11-01	05/03/2009	0.5	0.08	7.07	6.29
CH-11-02	05/03/2009	0.5	0.08	7.41	
CH-11-03	05/03/2009	0.5	0.08	4.4	
NK-21-01	05/04/2009	0.5	0.08	5.81	5.81
SK-11-01	05/04/2009	0.5	0.08	10.4	10.20
SK-11-02	05/04/2009	0.5	0.08	10	

Sample	Date	MRL	MDL	Result	mean
GH01-01	06/03/2009	0.5	0.2	1	1.00
NK11-01	06/04/2009	0.5	0.2	1.9	1.90
SK01-01	06/06/2009	0.5	0.2	1.4	2.15
SK01-02	06/06/2009	0.5	0.2	2.5	
SK01-03	06/06/2009	0.5	0.2	2	
SK01-04	06/06/2009	0.5	0.2	2.7	
SK12-01	06/06/2009	0.5	0.2	11	11.00
CH11-01	06/05/2009	0.5	0.2	0.7	1.48
CH11-02	06/05/2009	0.5	0.2	2.1	
CH11-03	06/05/2009	0.5	0.2	1.3	
CH11-04	06/05/2009	0.5	0.2	1.8	
UT01-01	06/05/2009	0.5	0.2	1.5	1.50
UT11-01	06/05/2009	0.5	0.2	3	3.00
SK31-01	06/05/2009	0.5	0.2	1.3	1.30
UT02-01	06/05/2009	0.5	0.2	1.4	1.40
NK01-01	06/06/2009	0.5	0.2	0.9	0.90
SK21-01	06/06/2009	0.5	0.2	0.7	0.70
NK31-01	06/06/2009	0.5	0.2	0.7	0.70
NK21-01	06/06/2009	0.5	0.2	1	1.00
SY11-01	06/07/2009	0.5	0.2	1.1	1.38
SY11-02	06/07/2009	0.5	0.2	1.4	
SY11-03	06/07/2009	0.5	0.2	1.2	
SY11-04	06/07/2009	0.5	0.2	1.8	
KC11-01	06/07/2009	0.5	0.2	1.1	1.10
LT11-01	06/07/2009	0.5	0.2	1.7	1.70
KC01-01	06/07/2009	0.5	0.2	1.2	1.05
KC01-02	06/07/2009	0.5	0.2	0.8	
KC01-03	06/07/2009	0.5	0.2	1	
KC01-04	06/07/2009	0.5	0.2	1.2	
SY01-01	06/07/2009	0.5	0.2	0.9	0.90
RC01-01	06/08/2009	0.5	0.2	7.2	7.20
UT21-01	06/08/2009	0.5	0.2	1.1	1.10
UT31-01	06/08/2009	0.5	0.2	1.7	1.70
NW11-01	06/08/2009	0.5	0.2	2.3	2.30

Zinc, Total, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.5		1.5	1.50
KC-01-01	06/09/2010	0.5		0.6	0.60
NK-01-01	06/10/2010	0.5		ND	0.36
NK-01-02	06/10/2010	0.5		0.7	
NK-01-03	06/10/2010	0.5		ND	
NK-01-04	06/10/2010	0.5		ND	
NK-02-01	06/07/2010	0.5		0.8	0.80
NK-11-01	06/07/2010	0.5		0.6	0.60
NW-11-01	06/09/2010	0.5		0.4	0.40
SK-02-01	06/08/2010	0.5		0.6	0.60
SK-12-01	06/09/2010	0.5		7.2	6.73
SK-12-02	06/09/2010	0.5		7.2	
SK-12-03	06/09/2010	0.5		6.2	
SK-12-04	06/09/2010	0.5		6.3	
SK-31-01	06/10/2010	0.5		0.9	0.90
SK-41-01	06/09/2010	0.5		0.3	0.30
SK-51-01	06/07/2010	0.5		2.5	2.50
SY-02-01	06/09/2010	0.5		0.8	0.80
UT-01-01	06/10/2010	0.5		ND	ND
UT-02-01	06/08/2010	0.5		0.6	0.60
UT-03-01	06/10/2010	0.5		ND	0.25
UT-03-02	06/10/2010	0.5		ND	
UT-03-03	06/10/2010	0.5		ND	
UT-03-04	06/10/2010	0.5		ND	
UT-11-01	06/10/2010	0.5		0.8	0.80
UT-12-01	06/08/2010	0.5		1.8	1.80
UT-41-01	06/09/2010	0.5		0.6	0.53
UT-41-02	06/09/2010	0.5		0.6	
UT-41-03	06/09/2010	0.5		0.3	
UT-41-04	06/09/2010	0.5		0.6	

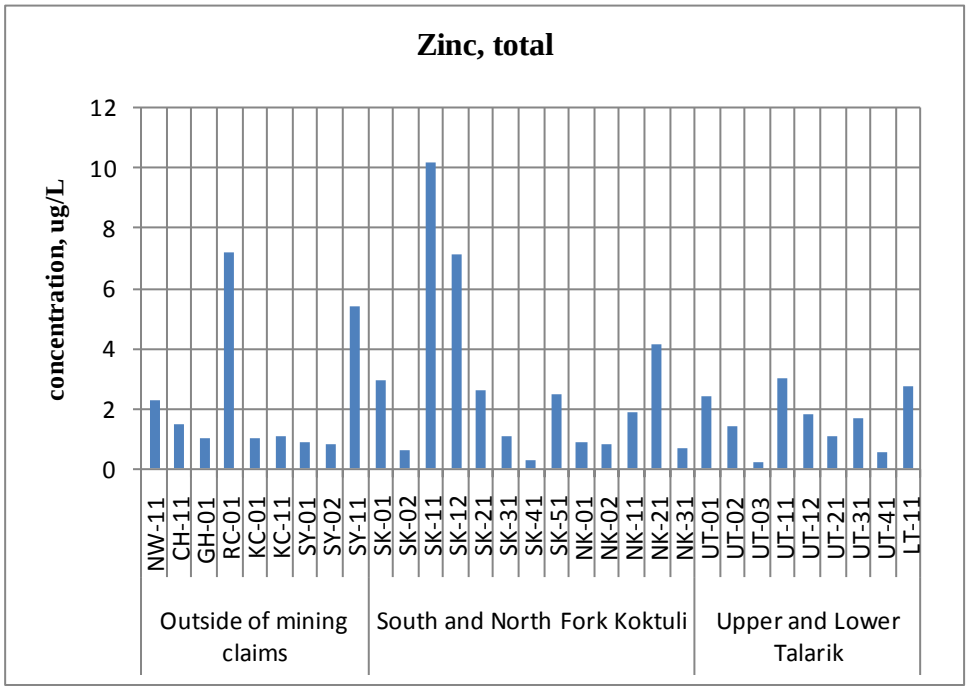
Zinc, Dissolved in ug/L Standard is 23.7 ug/L as chronic aquatic life criteria

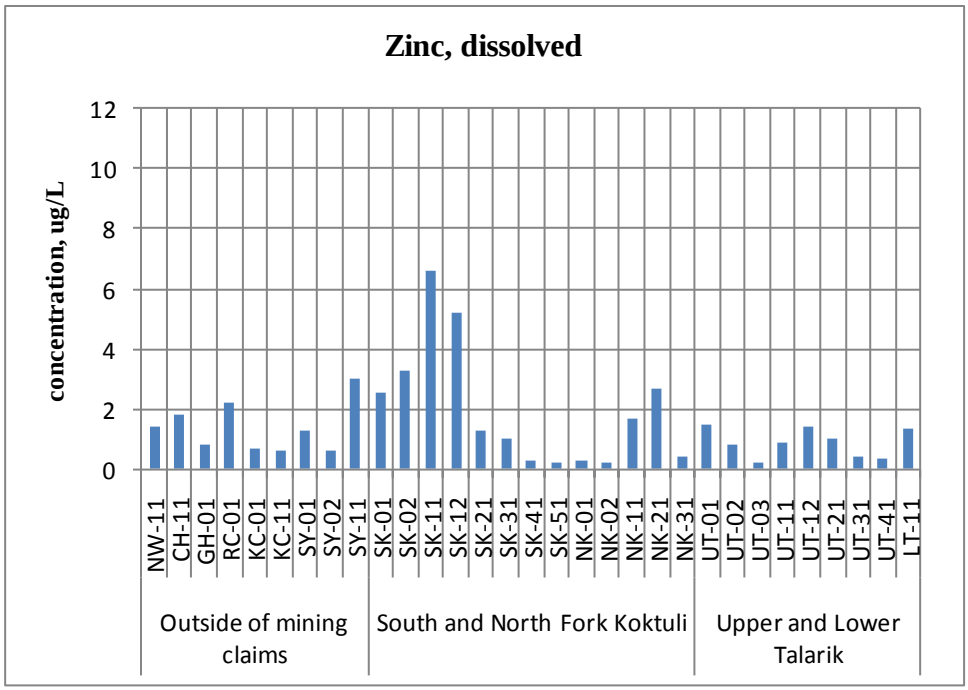
Sample	Date	MRL	MDL	Results	mean
NW-11-01	05/01/2009	0.5	0.08	1.42	3.05
NW-11-02	05/01/2009	0.5	0.08	2.97	
NW-11-03	05/01/2009	0.5	0.08	4.76	
SK-01-01	05/01/2009	0.5	0.08	2.11	3.28
SK-01-02	05/01/2009	0.5	0.08	3.66	
SK-01-03	05/01/2009	0.5	0.08	4.07	
UT-11-01	05/01/2009	0.5	0.08	3.68	3.93
UT-11-02	05/01/2009	0.5	0.08	1.48	
UT-11-03	05/01/2009	0.5	0.08	6.63	
KC-01-01	05/02/2009	0.5	0.08	10.5	6.04
KC-01-02	05/02/2009	0.5	0.08	6.02	
KC-01-03	05/02/2009	0.5	0.08	1.61	
UT-02-01	05/02/2009	0.5	0.08	3.14	2.78
UT-02-02	05/02/2009	0.5	0.08	3.12	
UT-02-03	05/02/2009	0.5	0.08	2.07	
LT-11-01	05/02/2009	0.5	0.08	1.2	1.89
LT-11-02	05/02/2009	0.5	0.08	3.08	
LT-11-03	05/02/2009	0.5	0.08	1.4	
SY-11-01	05/02/2009	0.5	0.08	7.14	4.87
SY-11-02	05/02/2009	0.5	0.08	4.51	
SY-11-03	05/02/2009	0.5	0.08	2.96	
SK-21-01	05/02/2009	0.5	0.08	2.13	2.14
SK-21-02	05/02/2009	0.5	0.08	2.86	
SK-21-03	05/02/2009	0.5	0.08	1.43	
NK-01-01	05/02/2009	0.5	0.08	5.42	4.43
NK-01-02	05/02/2009	0.5	0.08	5.04	
NK-01-03	05/02/2009	0.5	0.08	2.82	
UT01-01	05/03/2009	0.5	0.08	3.53	2.98
UT01-02	05/03/2009	0.5	0.08	2.42	
NK-21-01	05/03/2009	0.5	0.08	6.87	4.10
NK-21-02	05/03/2009	0.5	0.08	1.33	
NK-11-01	05/03/2009	0.5	0.08	2.46	1.66
NK-11-02	05/03/2009	0.5	0.08	0.83	
NK-11-03	05/03/2009	0.5	0.08	1.69	
CH-11-01	05/03/2009	0.5	0.08	2.18	3.25
CH-11-02	05/03/2009	0.5	0.08	5.21	
CH-11-03	05/03/2009	0.5	0.08	2.35	
NK-21-01	05/04/2009	0.5	0.08	2.92	2.92
SK-11-01	05/04/2009	0.5	0.08	6.92	6.58
SK-11-02	05/04/2009	0.5	0.08	6.23	

Sample	Date	MRL	MDL	Results	mean
GH01-01	06/03/2009	0.5	0.2	0.8	0.80
NK11-01	06/04/2009	0.5	0.2	2.3	2.30
SK01-01	06/06/2009	0.5	0.2	1.1	1.85
SK01-02	06/06/2009	0.5	0.2	1	
SK01-03	06/06/2009	0.5	0.2	1.9	
SK01-04	06/06/2009	0.5	0.2	3.4	
SK12-01	06/06/2009	0.5	0.2	6.6	6.60
CH11-01	06/05/2009	0.5	0.2	2.4	1.80
CH11-02	06/05/2009	0.5	0.2	1.7	
CH11-03	06/05/2009	0.5	0.2	1.9	
CH11-04	06/05/2009	0.5	0.2	1.2	
UT01-01	06/05/2009	0.5	0.2	0.5	0.50
UT11-01	06/05/2009	0.5	0.2	0.9	0.90
SK31-01	06/05/2009	0.5	0.2	1.1	1.10
UT02-01	06/05/2009	0.5	0.2	ND	ND
NK01-01	06/06/2009	0.5	0.2	0.3	0.30
SK21-01	06/06/2009	0.5	0.2	0.5	0.50
NK31-01	06/06/2009	0.5	0.2	0.4	0.40
NK21-01	06/06/2009	0.5	0.2	1.6	1.60
SY11-01	06/07/2009	0.5	0.2	1	1.10
SY11-02	06/07/2009	0.5	0.2	1.1	
SY11-03	06/07/2009	0.5	0.2	1.3	
SY11-04	06/07/2009	0.5	0.2	1	
KC11-01	06/07/2009	0.5	0.2	0.6	0.60
LT11-01	06/07/2009	0.5	0.2	0.8	0.80
KC01-01	06/07/2009	0.5	0.2	1.2	0.70
KC01-02	06/07/2009	0.5	0.2	0.4	
KC01-03	06/07/2009	0.5	0.2	0.6	
KC01-04	06/07/2009	0.5	0.2	0.6	
SY01-01	06/07/2009	0.5	0.2	1.3	1.30
RC01-01	06/08/2009	0.5	0.2	2.2	2.20
UT21-01	06/08/2009	0.5	0.2	1	1.00
UT31-01	06/08/2009	0.5	0.2	0.4	0.40
NW11-01	06/08/2009	0.5	0.2	1.4	1.40

Zinc, Dissolved, in ug/L

Sample	Date	MRL	MDL	Result	mean of replicates
CH-11-01	06/07/2010	0.5		ND	0.25
KC-01-01	06/09/2010	0.5		0.3	0.30
NK-01-01	06/10/2010	0.5		ND	0.25
NK-01-02	06/10/2010	0.5		ND	
NK-01-03	06/10/2010	0.5		ND	
NK-01-04	06/10/2010	0.5		ND	0.25
NK-02-01	06/07/2010	0.5		ND	0.25
NK-11-01	06/07/2010	0.5		ND	0.25
NW-11-01	06/09/2010	0.5		0.4	0.40
SK-02-01	06/08/2010	0.5		3.3	3.30
SK-12-01	06/09/2010	0.5		5	5.03
SK-12-02	06/09/2010	0.5		5	
SK-12-03	06/09/2010	0.5		5	
SK-12-04	06/09/2010	0.5		5.1	5.10
SK-31-01	06/10/2010	0.5		1.9	1.90
SK-41-01	06/09/2010	0.5		0.3	0.30
SK-51-01	06/07/2010	0.5		ND	0.25
SY-02-01	06/09/2010	0.5		0.6	0.60
UT-01-01	06/10/2010	0.5	0.6	0.60	
UT-02-01	06/08/2010	0.5	0.8	0.80	
UT-03-01	06/10/2010	0.5	ND	0.25	
UT-03-02	06/10/2010	0.5	ND		
UT-03-03	06/10/2010	0.5	ND		
UT-03-04	06/10/2010	0.5	ND		
UT-11-01	06/10/2010	0.5	ND	0.25	
UT-12-01	06/08/2010	0.5	1.4	1.40	
UT-41-01	06/09/2010	0.5	0.4	0.38	
UT-41-02	06/09/2010	0.5	0.5		
UT-41-03	06/09/2010	0.5	0.4		
UT-41-04	06/09/2010	0.5	0.2		


Zinc, total
concentration, ug/L
0
2
4
6
8
10
12
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
SK-21
SK-31
SK-41
SK-51
NK-01
NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik


Zinc, dissolved
concentration, ug/L
0
2
4
6
8
10
12
NW-11
CH-11
GH-01
RC-01
KC-01
KC-11
SY-01
SY-02
SY-11
SK-01
SK-02
SK-11
SK-12
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NK-02
NK-11
NK-21
NK-31
UT-01
UT-02
UT-03
UT-11
UT-12
UT-21
UT-31
UT-41
LT-11
Outside of mining claims
South and North Fork Koktuli
Upper and Lower Talarik