

Appendix E

Field Data

TNC sites co-located with PLP

Region	TNC site name	PLP site name
North Fork Koktuli	NK-01	NK100A
	NK-21	NK119B
South Fork Koktuli	SK-01	SK100B
	SK-12	SK124A
Upper Talarik	UT-01	UT100E
	UT-02	UT100B
Kaskanak Creek	KC-01	KC100A

Unique TNC sites

Region	TNC site name
North of mining claims, draining into Lake Clark	CH-11
	NW-11
	GH-01
	RC-01
North Fork Koktuli	NK-02
	NK-11
	NK-31
South Fork Koktuli	SK-02
	SK-11
	SK-21
	SK-31
	SK-41
	SK-51
Upper and Lower Talarik	UT-11
	UT-12
	UT-21
	UT-31
	UT-41
	LT-11
Kaskanak and Stuyahok Rivers	KC-11
	SY-01
	SY-02
	SY-11

Field Parameters by site. The pH is listed as the lab pH for May and field pH for June; field pH in May appeared to be inaccurate.

River System	Site ID	Date	temp (°C)	dO (mg/L)	Field pH	Lab pH	conductivity (µs/cm)	Specific conductance (field) (µs/cm)	Specific conductance (lab) (µs/cm)
Newhalen	NW-11	5/1/2009	2.2	nd	6.3	7.2	17	32	45
		6/8/2009	9.6	9	7.1	7.6	36	52	61
		6/9/2010	7.3	13	6.5	7.3	43	65	64
Chulitna	CH-11	5/3/2009	3.0	EF	6.6	7.2	19	32	47
		6/5/2009	6.4	11	7.5	7.5	30	46	55
		6/7/2010	5.7	12	7.4	7.2	43	68	64
Chulitna (Groundhog Mt)	RC-01	6/8/2009	6.5	11	7.6	7.2	32	50	57
	GH-01	6/3/2009	5.3	12	7.1	7.1	14	22	32
North Fork Kaktuli	NK-01	5/2/2009	0.0	EF	5.6	6.9	8	15	27
		6/6/2009	7.4	11	7.2	7.3	19	29	37
		6/10/2010	8.6	13	7.0	7.1	28	39	41
	NK-02	6/7/2010	8.7	11	7.0	7.13	26	38	37
	NK-11	5/3/2009	4.9	EF	5.8	6.5	19	31	40
		6/4/2009	0.6	11	7.4	7.5	33	47	59
		6/7/2010	8.9	11	7.0	7.1	48	68	65
	NK-21	5/3/2009	0.0	EF	5.3	6.2	9	18	26
		5/4/2009	nd	nd	nd		nd	nd	
		6/6/2009	7.3	11	7.2	7.4	11	17	23
	NK-31	6/6/2009	7.9	11	7.6	7.7	30	44	56
South Fork Kaktuli	SK-01	5/1/2009	2.9	nd	5.9	7.0	14	25	42
		6/6/2009	5.8	11	6.8	7.1	19	30	38
	SK-02	6/8/2010	15.5	10	7.2	7.23	32	40	38
	SK-11	5/4/2009	0.2	EF	5.4	6.3	17	29	37
	SK-12	6/6/2009	2.9	14	7.5	7.1	19	32	41
		6/9/2010	5.2	14	6.9	7	31	49	46
	SK-21	5/2/2009	0.2	EF	5.8	7.0	6	11	21
		6/6/2009	12.3	10	7.3	7.6	29	38	47
	SK-31	6/5/2009	8.4	10	7.3	7.2	30	45	54
		6/10/2010	7.0	14	7.4	7.1	55	83	77
SK-41	6/9/2010	7.1	13	6.4	7	24	36	34	
SK-51	6/7/2010	8.6	10	6.6	6.9	58	84	78	

River System	Site ID	Date	temp (°C)	dO (mg/L)	Field pH	Lab pH	conductivity (µs/cm)	Specific conductance (field) (µs/cm)	Specific conductance (lab) (µs/cm)
Upper Talarik	UT-01	5/3/2009	0.8	EF	6.0	6.6	16	30	45
		6/5/2009	5.6	12	7.8	7.5	41	66	79
		6/10/2010	4.5	15	7.4	7.2	158	98	97
	UT-02	5/2/2009	0.1	EF	5.9	7.1	14	24	40
		6/5/2009	8.6	11	7.4	7.6	29	43	52
		6/8/2010	10.8	12	7.5	7.62	48	66	64
	UT-03	6/10/2010	6.5	14	7.2	7.4	44	66	65
	UT-11	5/1/2009		nd	6.0	7.2	16	30	44
		6/5/2009		12	7.8	7.6	19	30	37
		6/10/2009	5.2	14	7.0	7.4	34	57	54
	UT-12	6/8/2010	10.5	11	7.0	7.2	41	56	54
	UT-21	6/8/2009	6.5	10	7.2	7.5	26	40	45
UT-31	6/8/2009	6.0	10	7.5	7.3	29	46	51	
UT-41	6/9/2010	4.4	13	8.5	7.6	57	95	87	
Lower Talarik	LT-11	5/2/2009	3.3	EF	6.1	7.2	13	22	34
		6/7/2009	15.5	9	7.6	7.6	31	37	46
Kaskanak Creek	KC-01	5/2/2009	1.4	EF	4.9	6.5	3	5	18
		6/7/2009	12.4	8	6.9	7.2	26	35	43
		6/9/2010	7.4	14	7.4	6.9	31	46	45
	KC-11	6/7/2009	8.1	11	7.5	7.1	15	22	29
Stuyahok River	SY-01	6/7/2009	8.5	10	6.8	7.2	19	28	35
	SY-02	6/9/2010	6.4	13	7.5	6.7	25	39	40
	SY-11	5/2/2009	0.1	EF	2.8	5.4	3	5	11
		6/7/2009	8.4	9	5.4	5.5	3	5	9

Stream Discharge. Where discharge was measured in both May and June, it was generally higher in May except at the upper South Fork Koktuli main stem site.

River System	Site ID	Date	Stream Discharge	
			width (ft)	discharge (cfs)
Newhalen	NW-11	5/1/2009	33.0	155
		6/8/2009	38.2	85
		6/9/2010	38.5	44
Chulitna	CH-11	5/3/2009	14.5	293 cfs, not 29!!
		6/5/2009	12.5	30
		6/7/2010	12.5	8
Chulitna (Groundhog Mt)	RC-01	6/8/2009	14	41
	GH-01	6/3/2009	20	86
North Fork Koktuli	NK-01	5/2/2009	nd	nd
		6/6/2009	nd	622
		6/10/2010	76	29
	NK-02	6/7/2010	39	90
	NK-11	5/3/2009	9.4	6
		6/4/2009	5.3	6
		6/7/2010	12	1
	NK-21	5/3/2009	24.2	324
		5/4/2009	nd	nd
		6/6/2009	nd	nd
	NK-31	6/6/2009	11.5	13
South Fork Koktuli	SK-01	5/1/2009	67.0	136
		6/6/2009	nd	730
	SK-02	6/8/2010	15.5	44
	SK-11	5/4/2009	11	20
	SK-12	6/6/2009	23	74
		6/9/2010	19	23
	SK-21	5/2/2009	47	279
		6/6/2009	20	77
	SK-31	6/5/2009	4	8
		6/10/2010	4	3
	SK-41	6/9/2010	28.5	27
SK-51	6/7/2010	6.5	2	

River System	Site ID	Date	Stream Discharge			
			width (ft)	discharge (cfs)		
Upper Talarik	UT-01	5/3/2009	13	40		
		6/5/2009	10	23		
		6/10/2010	14	10		
Upper Talarik	UT-02	5/2/2009	nd	nd		
		6/5/2009	nd	nd		
		6/8/2010	57	198		
Upper Talarik	UT-03	6/10/2010	33	109		
		UT-11	5/1/2009	14.0	83	
			6/5/2009	19.5	57	
6/10/2009	13		19			
Upper Talarik	UT-12	6/8/2010	18	33		
		UT-21	6/8/2009	15	30	
			6/8/2009	6.5	6	
Upper Talarik	UT-41	6/9/2010	7.3	3		
		Lower Talarik	LT-11	5/2/2009	60	131
				6/7/2009	30.3	71
Kaskanak Creek	KC-01	5/2/2009	nd	nd		
		6/7/2009	26	49		
		6/9/2010	23	24		
Kaskanak Creek	KC-11	6/7/2009	7	6		
		Stuyahok River	SY-01	6/7/2009	9.5	13
				6/9/2010	14	11
Stuyahok River	SY-11	5/2/2009	9.9	81		
		6/7/2009	3.5	2		