

**FY06 GRANITE CREEK WATERSHED WQ MONITORING DATA SUMMARY,
OCTOBER 2005 THROUGH APRIL 2006 ¹**

October 2005 Comprehensive Water Quality Data

<i>Station #²</i>	<i>Date/ time</i>	<i>TSS(mg/l)</i>	<i>Turbidity (NTU)</i>	<i>Flow rate (cfs)</i>	<i>Latitude/Longitude; Station Description</i>
Granite Creek 1 (GC1)	10/26/05 @1507 10/27/05 @0837	0.3 mg/l	1.43, 2.75 1.49, 1.14	19.18 ft = 12.2 cfs 19.14 ft gage ht. = 10.2 cfs	N57°06.058',W135°23 .901'. Halibut Pt Road bridge site. Staked on bank.
Granite Creek 2 (GC2)	10/26/05 @1457		2.49, 1.75		N57°06.223',W135°23 .322'. North fork under road. Staked.
Granite Creek 3 (GC3)	10/26/05 @1433 hrs		2.89, 3.91		N57°06.260',W135°23 .196'. South Fork below Tisher trailer. Staked.
Granite Creek 4 (GC4)	10/26/05 @1412 hrs		1.10, 0.44		N57°06.299',W135° 23.068'. Control station below falls. Staked.
Granite Creek settling pond #1 (GCSP1)	10/26/05 @1417		2.36		N57°06.366',W135° 23.087'. Upper settling pond/CBS common lease site
Granite Creek split settling pond #3 (GCSP3)	10/26/05 @ 1350		2.98, 2.46		N57°06.320',W135° 23.207'. Located at split pond with berm between two ponds.
Granite Creek fish pond #4 (GCSP4)	10/26/05 @1330 hrs 10/27/05 @0905		2.98, 1.91 3.21, 2.83		N57 °06.296', W135° 23.240'. Last (4 th) pond; outlet to North Fork. Staked with red paint. Fish pond.
North Fork control (alternate to GC4)	10/26/05 @1340 hrs		1.48		North fork control above confluence with discharge from GCSP4.
Other stations: (Road ditch/pond leading to GrCk road culvert)	10/27/05 @1006		8.98, 7.82		GC Road ditch

¹ See TMDL and QAPP map for location of Granite Creek stations. Stakes with painted red tops locate each major station.

² Datum for STORET purposes is WGS84. Position format: hddd°mm.mmm'. Hand-held Garmin Model 45XL GPS was method used for positioning. STORET station type is STREAM. County/State: Sitka, Alaska. Hydrologic Unit Code: 10203-005.

Golf Course pond					Settling pond discharge
Outlet of GRCr Road culvert	10/27/05 @ 1045 hrs		11.6, 11.8		Discharge from culvert running under Granite Creek Road; drains downhill to the creek

April 2006 Comprehensive Watershed Water Quality Data

<i>Station #³</i>	<i>Date/hour</i>	<i>TSS(mg/l)</i>	<i>Turbidity (NTU)</i>	<i>Flow rate (cfs)</i>	<i>Latitude/Longitude; Station Description</i>
Granite Creek 1 (GC1)	4/18/06 @ 1318 4/19/06 @ 1520	0.4 mg/l	2.41, 4.05 2.92, 1.20	19.23 ft at USGS gage = 15.3 cfs	N57°06.058', W135°23.901'. Halibut Pt Road bridge site. Staked on bank.
Granite Creek 2 (GC2)	4/18/06 @ 1353 4/20/06 @ 1248		3.72, 3.85, 4.34 0.93		N57°06.223', W135°23.322'. North fork under road. Staked.
Granite Creek 3 (GC3)	4/18/06 @ 1441 4/19/06 @ 1039		2.30, 3.81 1.98, 2.39		N57°06.260', W135°23.196'. South Fork below Tisher trailer. Staked.
Granite Creek 4 (GC4)	4/18/06 @ 1434 hrs		0.44, 1.54		N57°06.299', W135°23.068'. Control station below falls. Staked.
Granite Creek settling pond #1 (GCSP1)	4/18/06 @ 1500 4/20/06 @ 1225		3.45, 3.20 1.63		N57°06.366', W135°23.087'. Upper settling pond/CBS common lease site.
Granite Creek settling pond #2 (GCSP2)					Second pond in series
Granite Creek split settling pond #3 (GCSP3)	4/18/06 1406 hrs		7.45, 6.27		N57°06.320', W135°23.207'. Located at split pond with berm between two ponds.
Granite Creek fish pond #4 (GCSP4)	4/18/06 @ 1412 hrs 4/20/06 @ 1043	0.9 mg/l @ 1514 hrs	3.90, 3.32 0.84, 0.86		N57°06.296', W135°23.240'. Last (4 th) pond; outlet to North Fork. Staked with red paint. Fish pond.

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North Fork control (alternate to GC4)	4/18/06 @ 1415 hrs 4/20/06 @ 1044		1.63, 1.12 0.62		North fork control above confluence with discharge from GCSP4.

OPPORTUNISTIC MONITORING STATIONS AND DATA

Station #⁴ Date TSS(mg/l) Turbidity (NTU) Flow rate (cfs) Latitude/Longitude; Station Description

S&S (Eddy) Pond 1	10/26/05 @ 1404 4/18/06 @ 1502 4/20/06 @ 1220		2.48, 2.31 3.31 1.28		Largest (middle) pond constructed at the pit face in April 2005. It discharges directly to CBS Pond 1 (GCSP1)
S&S (Eddy) Pond 2	10/26/05 @ 1410		“very clear”		Small pond on north side of pit face area
S&S Pond 3					Small south pond by hillside access road
Ditch between GCSP1 and GCSP2	10/26/05 @ 1400		2.42		Shallow stormwater ditch connecting settling ponds
Discharge from Granite Cr Road culvert	4/18/06 @ 1342		2.66, 4.54		Under-road culvert. Discharges down bank and drains to Granite Creek
Granite Cr Rd ditch/pond emptying to main culvert	4/18/06 @ 1340		3.96		Drainage ditch/pond from Golf Course feeding culvert going under Granite Cr Road
Other stations – (Dormand McGraw settling ponds)	4/18/06 @ 1529 4/20/06 @ 0950		53.3, 51.1 (last pond) 6.10 (first pond)		Series of three (3) settling ponds treat runoff, plus 4 th upper pond
Bank receiving settling pond discharge	4/18/06 @ 1524 hrs	24.4 mg/l	111, 110		Bank receiving effluent discharge from settling ponds

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