

South Sound GREEN Water Quality Data 2010-2011

Parameter	DO		DO sat		FC		pH		BOD		Water Temp.		Nitrates		Turbidity		Total Solids**		Weather/Notes	School	Teacher Advisor
	(mg/l)		(%)		(#/100m)				(mg/l)		(°C)						(mg/l) LOTT Lab				
Optimal Value	>9				50		7.0-8.0		0		9.0-12.0				<20		<25				
Acceptable Value	7.0-8.0				50-100		6.5-8.5		lower the better		12-18C				lower the better		25-80				
Deschutes Watershed																					
	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	
2013 Deschutes River @ Rich Rd (Petit)	9.3	10.66	69	87	32	0	7.0	7.5	NAF	0.66	8	6	0.00	0.00	15	0	NAF	13.85	Overcast, drizzly; FC: On the second trial there was a dry spot indicating improper seating of the filter, only two replicates; 13° C		
2011 Deschutes River @ Plant Ctr (The Barn)	8.15	10.9	68	80	75	14	6.8	6.8	8.15	2.03	8	4	0.50	0.45	6.67	18.3	22.18	NAF	Clear but high rains in preceding week; 9:00; 50° F	80% Cloud Coverage, no rain or snow; 11:30; 48°F	Black Hills HS St. Clair/Glenn
2014 Deschutes River @ Pioneer Park 1	9.1	9.6	80.0%	75.0%	81	16	7.1	7.0	0.20	0.4	9.5	5	0.80	0.00	7.5	11.6	9.67	10.32	Light showers; 1:00	12:45	St Martins University Komachin MS
2009 Deschutes River @ Tumwater Falls	8.6	11	75.0%	87.0%	82	8	7.0	7.0	-0.10	0.9	10	6	1.00	1.00	5.8	15	8.94	13.12	Cloudy, rainy; smelled like sewer; DO # 3 abnormal size of brown flakes and starch indicator did not turn liquid purple; 3:00; 52 °F	Cloudy/rainy; 3:00; 44°F	Olympia HS
2012 Deschutes River @ Historical Park	10.4	13.33	110.0%	140.0%	304	40	7.0	7.5	1.60	2.63	10	6	0.33	1.00	31.66	15	23.82	16.7	Cloudy, drizzle; Spilled 3rd BOD sample bottle; filter problem on first fecal test; 9:30; 13°C	Cool, cloudy; Marine animals were in the area; 10:30; 7°C	McKenny Elem
2010 Deschutes River @ Military Road	8.1		71.0%		NAF		7.3		-2.90		9		0.33		6.3		5.25		Overcast and slight sprinkle; 9:00; 50° F		Rainier HS
2008 Chambers Lake	6	8.66	65.0%	77.0%	28	22	6.5	6.5	3.34	3.66	10	10	0.00	0.0	6.66	7	7.47	2.77	Overcast; 9:00; 43°F	Overcast/windy; 1:30; 41°F	Mountain View
2048 Spurgeon Creek @ Circle Hawk Farm	11.8	9.1	92.0%	77.0%	NAF	NAF	6.9	7.1	NAF	NAF	6	8	0.00	1.0	18	10	2.2	3.67			Komachin
Black River/Percival Creek Watershed																					
	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	
2041 Percival Creek @ Alderbrook (grass/bridge)	6.4	9.4	55.0%	72.0%	0	1	7.0	7	1.00	0.9	10	5	0.66	1.3	1.66	3.3	5.05	2.55	Overcast; FC: Only two replicates; 9:00; 11° C	Overcast; 10:45; 5°C	Tumwater MS
2042 Percival Creek @ Alderbrook (woods)	7.6	8.5	65.0%	65.0%	NAF	NAF	7.0	7.0	-0.90	-0.3	8	4	0.66	1.2	0	0	5.71	3.47	Overcast; 9:00; 8° C	Overcast; 9:00; 2°C	Tumwater MS
2043 Percival Creek @ Chapparel	8.3	9.9	72.0%	77.0%	NAF	NAF	7.0	7.0	1.40	1.7	9	5	0.00	0.0	1.66	0	2.09	4.3	10/27/10; Sunny and clear; 10:09; 6° C	Overcast; 11:30; 3°C	Tumwater MS
2044 Percival Creek @ Sapp Rd	7.4	9.1	65.0%	71.0%	21	3	7.0	7.0	0.40	0.6	10	5	0	0.0	1.66	0	1.76	1.51	Overcast and heavy rain week prior; FC: Only two replicates; 10:00; 9° C	Cloudy; 9:25; 2°C	Tumwater MS
1001 Black River @ WDFW boat Launch(110TH)	5	7	43.0%	55.0%	125 +	4	5.8	7.0	NAF	1.33	9	5	0.00	0.5	10	0	NAF	5.33	Overcast and drizzly; FC: Only two replicates; 10° C	Overcast; FC: 15/1000ml TC^; 9:23; 5°C	BHHS/Club Green
Henderson/Nisqually Reach Watershed																					
	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	
4010 Southwick Lake @ Aspire Middle	4.6	NAF	38.0%	NAF	12	NAF	6.5	NAF	0.40	NAF	8	NAF	0.00	NAF	5	NAF	2	NAF	Overcast and calm wind; 11:15; 10 °C	Overcast; 9:00; 5°C	Aspire Middle
4023 Woodland Creek @ Community Center	7.06	9.5	64.0%	74.0%	152	14	7.0	7.0	2.80	3.07	11	5	0.33	1.00	0	5	10	1.26	Overcast, damp, cool; 10:00; 10° C	Overcast, cold, windy; 9:57; 5°C	Mount View Elem
4019 Woodland Creek @ Draham Rd	8.9	8.4	79.0%	68.0%	128	15	7.0	7.0	2.10	1.00	10	7	1.00	<1	2.5	<5	3.58	6.09	Overcast; Heavy rain earlier in week; 10:30; 12° C	Overcast, cold, windy; heavy rain earlier in week 10:00; 5°C	Mountain View Elem
4021 Woodland @ Mark St Bridge	10.3	9.6	90.0%	77.0%	100	110	7.0	7.0	0.30	-0.40	10.5	7	1.00	1.00	0	6.3	1.74	5.59	Windy and Cloudy; 1:00; 53 ° C	Party Cloudy; 1:00	Lydia Hawk ES
4022 Woodland Creek @ Pleasant Glade (2/17/11)	10.6	11.3	90.0%	85.0%	TMTC	88	7.5	7.5	3.00	2.47	9	5	1.00	0.50	5	16.67	17.89	9.5	Overcast; 9:00; 12° C	Scattered clouds/breezy; 9:00; 2°C	Pleasant Glade ES
4022 Woodland Creek @ Pleasant Glade (2/18/11)		10.0		80.0%		NAF		7.5		NAF		6.67		0.67		5		NAF	Scattered clouds/rain; 12:00; 7°C	Scattered clouds/rain; 12:00; 7°C	Pleasant Glade ES
4020 Woodland Creek @ Hollywood	9.6	10.5	90.0%	57.0%	TMTC	34	7.5	7.0	1.80	3.40	10	6	1.30	1.00	8.3	7.5	17.39	29.33	Overcast; 1:00	Cloudy w/partial sun; BOD: floc did not settle for one replicate; 1:30; 43 °F	South Bay Elem
5001 Beachcrest	12.8	11.4	115.0%	99.0%	20	45	7.5	8.0	3.30	2.40	10.5	9	2.00	2.10	2.5	2.9	2.92	7.5	Cloudy and rainy; 12:45; 13° C	Partly cloudy/sunny; TUR: Measured in increments less than 0.5 mg; 11:50	Olympic View Elem
4016 Woodard Creek @ 41st and Libby (Prose)	9.6	NAF	86.0%	NAF	190	NAF	7.0	NAF	1.20	NAF	11	NAF	2.00	NAF	5	NAF	8.21	NAF	Cloudy; 1:00; 10.5° C		Chinook Middle
4015 Unnamed Creek @ Bergvall	6.6	11.2	55.0%	90.0%	TMTC	TMTC	7.5	7.5	-1.10	1.10	9	6.67	0.00	0.33	25	30	62.09	30.74	Overcast; 12:00; 12° C	Scattered Clouds/breezy; 12:00; 8 ° C	Pleasant Glade ES
4009 Pattison Lake Ditch @ Mullen & RR	4.4	8.2	42.0%	65.0%	TMTC	104	7.0	7.5	2.80	0.90	12	6	0.00	1.00	0	5	4.63	8.3	Overcast; Creek is wider at test site by 8 feet on one side. Night shade is becoming more dense at bridge over water; 3:00; 12° C	Overcast; 4:30 pm; 8°C	Timberline HS
5003 Tomie State Park	10	9.7	92.0%	82.0%	184	188	7.5	7.0	2.20	-0.1	12	9	1.00	1.0	9	6.9	9.13	6.53	Overcast; Tide 14+; influence on results; 10:00; 12° C	Overcast w/sunbreaks; 10:30; 5°C	Timberline HS
Budd Inlet Watershed																					
	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	
2021 Ellis Creek @ East Bay	9.97	19.7	85.0%	NAF	115	34	7.0	7.0	-3.00	7.9	9	9	1.30	0.3	0	0	38.75	23.66	Overcast and not raining; 12pm; 12°C	Cool/Cloudy; DO & BOD:questionable data; 12:00	Roosevelt Elem
2007 Capitol Lake @ 5th & Water at the Steps	11.13	15.3	95.0%	112.0%	NAF		7.3	7.5	3.27	1.7	9	5.5	1.50	1.0	15	11.6	6.29	NAF	Overcast, cool; Turbidity reagent was not working so sample was brought back to TCD for testing; 9:45; 10.5° C	Cloudy and cold; 10:00; 42°F	LP Brown Elem
2005 Capitol Lake @ Marathon Park	8.75	12	80.0%	95.0%	NAF	38	7.5	7.5	0.02	2.17	9.5	6	2.25	4.0	5	10	4.84	NAF	Overcast, cold; 1st DO replicate:floc took longer then 5 mins;10:30; 4°C		LP Brown Elem
2006 Capitol Lake @ Interpretive Center	9.13	12.33	78.0%	105.0%	NAF	10	7.0	7.5	9.23	2.33	10	9	1.00	0.7	5	5.23	2.22	6.02	Overcast	All three FC samples turned pink.	Garfield Elem
2024 Garfield Creek @ Nature Trail	10	11.1	85.0%	85.0%	60	10	6.5	7.0	0.53	NAF	9	4	0.50	1.7	5	2.33	11.4	NAF	Cloudy; 11°C	Rainy/cold; 9:00; 6°C	Garfield Elem
2038 Moxie Creek @ Spring	9.8	8.75	87.0%	77.0%	35	22	6.0	6.0	NAF	NAF	10.2	9.1	1.90	1.5	11.1 NTU	2.8 NTU	NAF	NAF	Overcast, off and on showers; Used Vernier Lab Quest Kits with a 30 second avg; Ammonium 0.2 mg/L, Ammonia 0.25 ppm, Flow rate 0.225 m/s; 12:42; 10.4 °C	Overcast/Cold; Used lab quest; Flow rate 0.138 m/s; Salinity 0 ppt; Ammonia 0.12 mg/L; 12:00; 6.65°	New Market
2037 Moxie Creek @ Storm Pipe	8.7	10.9	78.0%	90.0%	5	12.3	6.4	6.0	NAF	NAF	10	8.1	1.20	1.2	4 NTU	0.7 NTU	NAF	NAF	Overcast, off and on showers; Used Vernier Lab Quest Kits with a 30 second avg; Ammonium 0.2 mg/L, Ammonia 0.0 ppm, Flow rate 0.195 m/s; 8:53; 9.8 °C	Overcast/cold; Used Lab Quest; Flow Rate 0.68 m/s; salinity 0 ppt; ammonium 0.7 mg/L; ammonia 0.25 mg/L; 8:30; 2.4°C	New Market
2027 Indian Creek @ Fredrick St	9.6	NAF	85.0%	NAF	NAF	NAF	7.4	NAF	1.02	NAF	9.5	NAF	0.33	NAF	5.8	NAF	4.49	NAF	Cloudy and rainy; 9:00; 12.5° C		Centennial Elem
2028 Indian Creek @ Boulevard Bridge	8.6	9.67	76.0%	75.0%	4	40	6.5	6.5	1.60	1.92	10	5	0.50	0.0	5	30	3.01	10.21	Cloudy; Ran out of time for 3rd Nitrates test; 10:10; 15 ° C	Overcast; BOD:only two replicates ran FC: Control and sample #1 switched; 10:00; 8°C	McKenny Elem
2026 Indian Creek @ Quince St	8.4	NAF	75.0%	NAF	188	NAF	7.2	NAF	1.60	NAF	10.5	NAF	1.66	NAF	10	NAF	2.16	NAF	Overcast; 9:30; 9.8° C		Avanti HS
Eld Inlet Watershed																					
	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	Oct	Feb	
3001 Beatty Creek @ Ameson Lane	10.8	12.5	92.0%	95.0%	33	6	7.0	7.0	0.20	0.7	9	4.5	1.50	1.5	13	18.1	1.88	1.38	Cloudy and light rain; 10:00; 10° C	Overcast; Cold stormy week; 10:00; 5°C	McLane Elem
3010 McLane Creek @ The Nature Trail	10	11.16	86.0%	87.0%	25	12	7.0	7.0	-0.60	1.41	8.9	4.9	0.00	0.0	E	3.5	18.13	1.62	Overcast and drizzly; FC: One replicate turned pink w/pink colonies; 10:00; 10° C	Partly cloudy, some sun breaks, cold, BOD sample 2 did not separate at step 4; 9:45; 2.2°C	McLane Elem
3002 Cooper Crest Creek @ the bridge	11.3		105		NAF		7		1.30		10.5		0.33		0.66		11.7	5.4	Cloudy and overcast; 1:30; 52 ° F		Hansen Elem
3004 Green Cove Creek @ Cedrona	6.67	5	58.0%	NAF	64	20	7.0	6.5	NAF	0.5	10	NAF	0.00	2.0	0	5	2.93	1.67	Overcast and drizzly; FC: Two replicates, all colonies were very small; 8:45; 13° C	Clear; Only 2 replicates completed for DO; FC: 20/100ml TC^; 8:30; 3.5°C	Marshall MS
3003 Green Cove Creek @ Fire Station (36th)	6.67	7.75	58.0%	60.0%	58	36	7	6.5	NAF	2.75	NAF	4	0.00	2.0	0	20	2.16	7.47	Overcast; FC: One replicate had numerous tiny colonies, both blue and gray, not counted; FC: One replicate had large gray colonies, not counted; FC: Also had numerous tiny blue colonies, not counted; 9:45; 13 ° C	Clear; Only 2 replicates completed for DO and turbidity; 9:30; 3.5°C	Marshall MS
3005 Green Cove Creek @ Carol Burns	9.6	12.77	96.0%	98.0%	224	24	6.5	7.0	1.38	5.77	9.5	5	0.00	0.0	0	3.67	2.92	3.52	Overcast and wet; FC: One replicate had small blue colonies that were counted; 12:00	Clear; 12:00; 41 °F	Capital HS
3006 Hansen Pond	5.53	10	NAF	84.0%	45	1	6.5	7.0	NAF	2.54	NAF	8	0.00	0.0	0	3.3	3.67	29.89	Overcast; 9:40; 52 ° C	Partly cloudy/Scattered showers; DO: may be inaccurate; 9:30; 10°C	Hansen Elem
3013 Snyder Creek @ TESC	9.7	NAF	87%	NAF	300 +	NAF	7.5	NAF	1.40	NAF	11	NAF	0.00	NAF	NAF	NAF	2.31	NAF	Cloudy;FC: Two replicates turned pink w/pink colonies Kids found toileties above and below site; 12:00; 13.5° C		Capital HS
Totten Inlet Watershed																					
	Oct	Mar	Oct	Mar	Oct	Mar	Oct	Mar	Oct	Mar	Oct	Mar	Oct	Mar	Oct	Mar	Oct	Mar	Oct	Mar	
6001 Kennedy Creek @ Salmon Trail	9.5	11	78.0%	84.0%	45	7	7.0	6.8	0.80	0.5	8	4.5	NAF	NAF	5	0	8.47	8.79	FC: One replicate had numerous tiny colonies, both blue and gray, not counted	Overcast; 8:30	Capital HS
6003 Schneider Creek @ Reroute	9.7	12.2	90.0%	96.0%	58	4	6.5	7.0	2.70	1.9	12	6	1.00	0.0	37.5	0	4.52	2.58	Partly cloudy; 1:30; 10°C	Mostly cloudy/occasional showers; 1:45; 6°C	Griffin MS
6004 Schneider Creek @ Griffinwood	10.6	13.6	93.0%	104.0%	NAF	12	7.0	7.0	1.90	1.4	10	5	1.00	1.0	18.8	7	13.81	110.12	Cloudy and occasional rain; 11:30; 15° C	Mostly cloudy; 12:45; 7 °C	Griffin MS
6002 Schneider Creek @ Bridges	11	14.8	94.0%	112.0%	56	14	6.5	7.5	0.60	1.8	9	5	0.50	1.5	11.7	5	13.41	6.83	Cloudy and light rain; 9:00; 18 ° C	Partly cloudy; 9:20; 5°C	Griffin MS
KEY																					
NAF = Not analyzed for																					
TC^ = Quality Control Lab Results																					
E = Error																					
#R = Number of Replicates																					
TMTC=too many to count																					