

STREAMKEEPERS OF CLALLAM COUNTY - Revised May 2006
MASTER REGULAR-TEAM QUARTERLY MONITORING FIELD DATA SHEET
 (Contains all parameters that regular teams monitor during the year; for reference only.)

(Note: site names & elevations are pasted to your Field Forms Folder and in the Field Procedures notebook.)

Monitoring season: _____ Year: _____ Project: SK regular monitoring / other (specify): _____

Samplers (incl. all initials + full last names): Sampler in charge: _____

Other samplers: _____

Field kit #: _____. Describe any measuring equipment used that is not normally part of that number field kit. If possible, include model/serial #s or the number of the field kit that the item comes from:

General comments (problems encountered, major changes to reach, other significant events, recent weather, deviations from field procedures):

Chain of Custody / Quality Control Checks:

Action	Performed by	Initials	Date
Data reviewed for completeness, accuracy, & clarity	Stream team		__/__/__
Data submitted to Streamkeepers office	Stream team		__/__/__
Data received in Streamkeepers office	SK staff		__/__/__
Data reviewed for completeness & legibility	SK staff		__/__/__
Quality-control review of data	SK managers		__/__/__
Data entered into database	Staff/volunteers		__/__/__
Database checked against field sheets	Staff/volunteers		__/__/__

** FOR EACH PROTOCOL PERFORMED, PUT ALL INITIALS OF ONE PERSON RESPONSIBLE FOR THAT DATA.

** IF YOU FIND NONE, WRITE "NONE". ** DON'T PUT INITIALS IF YOU DIDN'T PERFORM THE PROTOCOL.

Fish: (If unsure of species, write "fish," "salmonid," "coho?" etc.)						Sampler's initials:	
Species	# adults	# juveniles	# dead	# redds	Description or comments		
Wildlife: (Refer to tracks & scat ID sheets as needed.)						Sampler's initials:	
Species	Number	Sign	Location	Activity			

New or advancing noxious weeds at this site? Yes ___ No ___ Didn't check ___ If "yes," complete a separate Noxious Weed report (in your forms folder).	Sampler's initials:
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Photos taken at this site on this date? Yes ___ No ___	Sampler's initials:
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Gradient*:	Pupil height	Depth of sighter in water	Depth of rod in water	Sight height	Distance	Sampler's initials:
Measure all to nearest 0.1 ft.:						

PLEASE FILL OUT ON **EACH** PAGE: SITE NAME: _____ DATE: ____/____/____

Erosional Areas:		Probable causes -- check all that seem to apply (see protocol):						Sampler's initials:
Length	Height	Slopefail	Undercut	Scour	LWD	Bank Alt	Other (indicate:)	

Revetted Areas:		Type of revetment -- check all that apply (see protocol):						Sampler's initials:
Length	Blanket	Bulkhead	Spurdike	Chk dam	LWD	Bio-eng	Other (describe:)	

Bank Stability Class:	(Circle one)	1	2	3	4	Sampler's initials:
<i>Refer to the protocol in your Field Procedures manual for definitions.</i>						

Cross Section Survey:					Sampler's initials:			
Obvious signs of erosion/deposition near the cross-section? (Describe) _____								
Describe the lbm attachment point (head of nail in tree, etc.): _____								
Describe the rbm attachment point: _____								
How did you confirm you found the proper monuments? _____								
Note changes found or made in either monument: _____								
Abbreviations (NOTE: Left & Right are facing downstream):								
lbm, rbm left & right-bank monuments (circle the proper one in the first cell)								
d horizontal distance from lbm (to nearest tenth of a foot)								
ht stadia rod reading from ground to string (to nearest tenth of a foot)								
wtr height of water from streambed (to nearest tenth of a foot)								
lbfull,rbfull left/right bankfull level; top of bank over which water would flood								
lbwe,rbwe left/right bank wetted edge								
Descr	d	ht	wtr	(cont.->)	Descr	d	ht	wtr
lbm/rbm								

PLEASE FILL OUT ON **EACH** PAGE: SITE NAME: _____ DATE: ____/____/____

Bankfull width = (d @ rbfull) - (d @ lbfull) =						<i>(Needed for Erosion/Revetment, Pools protocols)</i>			

Pools:		Pool-forming factors -- check all that apply:						Sampler's initials:
Res Dep	Wood	Rocks	Roots	Bend	Banks	Beaver	Other (describe:)	

(After tallying, write out and circle the totals in each box.)	Large Woody Debris Tally:	Tally according to point of <i>lowest intrusion</i> :		Sampler's initials:
		Wetted channel	Bankfull channel	
	Dead/dying logs:			
	Living logs:			
	Rootwads:			
	Logjams:			

Canopy Closure:	# of shaded dots facing:	Dn	RB	Up	LB	Sampler's initials:
<i>(Either count shaded dots or subtract # of unshaded from 96.)</i>						

Canopy Type	Conifer:	___ 0-5%	___ 6-50%	___ 51-100%	Sampler's initials:
Percentages:	Deciduous:	___ 0-5%	___ 6-50%	___ 51-100%	

NOTE: ONLY PERFORM THE CONIFER STEM COUNT IF YOU HAVEN'T IN THE PAST FIVE YEARS.

Conifer Stem Count:	Number of conifer stems:	<input type="text"/>	Sampler's initials:
<i>(If >60, write ">60" & stop counting, unless your reach is larger than 100' X 100'--see field protocol.)</i>			

Macroinvertebrate Sampling:	Rep #1	Rep #2	Rep #3	Sampler's initials:
Upstream or downstream of zero-transect (circle):	up / dn	up / dn	up / dn	
Distance from zero-transect (to nearest foot):	ft.	ft.	ft.	
Average water depth (to nearest inch)	in.	in.	in.	
Width of riffle (to nearest foot)	ft.	ft.	ft.	
Length of riffle (to nearest foot)	ft.	ft.	ft.	
Number of sample jars for each replicate				
Comments (difficulties sampling, unusual stream conditions, variations from protocol, etc.):				

Water Chemistry
 (NOTE: Roll the die to determine at which reach to perform replicates -- see below.)

Nitrate screening/Hach strips:	"Use by" date on bottom of bottle: ___/___/___	Sampler's initials:
Nitrate-nitrogen: <input style="width: 50px;" type="text"/>	(to nearest color-block) (Expected values <5 mg/L)	

Turbidity: Last calibration date on turbidimeter: ___/___/___ <i>Field calibration check:</i> Perform this check using the sealed "reference standard" vial that has the higher number on its cap. (See the written protocol for details.) <ul style="list-style-type: none"> • # written on the cap of this reference vial: _____ Expiration date: ___/___/___ • Turbidimeter reading for this reference vial: _____ (to nearest 0.01 NTU) Rdgs to nearest whole # of NTU's: 1 _____ 2 _____ 3 _____ average _____ (Expected values <5 unless water is high.) (Average should be to nearest <u>whole</u> number.)	Sampler's initials:
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Air temperature/thermometer:		°C (to nearest whole °C)		Sampler's initials:
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YSI-85 multimeter:	Conductivity calibration date: ___/___/___	Expected ranges:	Sampler's initials:
Time to nearest minute: <input style="width: 50px;" type="text"/>	a.m. / p.m. (circle one)		
Water temperature: <input style="width: 50px;" type="text"/>	°C (to nearest 0.1°C)	1-20°C	
DO % Saturation: <input style="width: 50px;" type="text"/>	% (to nearest 1%)	70-120%	
DO Concentration: <input style="width: 50px;" type="text"/>	mg/L (to nearest 0.1 mg/L)	6-15 mg/L	
Conductivity*: <input style="width: 50px;" type="text"/>	µS (to nearest whole #)	25-400 mS	
Salinity**: <input style="width: 50px;" type="text"/>	ppt (to nearest 0.1 ppt)	0-35 ppt	

***Note:** There are two conductivity screens, and both have the "µS" symbol; the only difference between them is that on the correct conductivity screen, the "°C" temperature symbol does not flash, and on the incorrect one, it flashes. Be sure to read the correct one, and don't confuse it with the salinity ("ppt") screen, which probably reads 0 or 0.1! Also, if the screen reads "mS" (milliSiemens), you must multiply the reading by 1000 to convert to µS (microSiemens). If the conductivity screen reads 0, please redo entire procedure and try again.

****Note:** Salinity need only be recorded at locations with possible tidal/salt water influences near the mouth of a stream, but be sure to have a replicate for it if your team does record salinity at one of your sites. The salinity reading can be found on the next screen after conductivity and is recorded in parts per thousand (ppt).

YSI-60 pH meter:	Last calibration date on meter: ___/___/___	Sampler's initials:
pH: <input style="width: 50px;" type="text"/>	(to nearest 0.1 pH unit) (Expected range 6.5 - 8.5)	

Replicates at This Reach?	Yes ___	No ___	
Nitrate-nitrogen: <input style="width: 50px;" type="text"/>	(to nearest color-block)		Sampler's initials:
Turbidity readings to nearest whole # of NTU's: 1 _____ 2 _____ 3 _____ avg _____			Sampler's initials:
YSI-85:	Time to nearest minute: <input style="width: 50px;" type="text"/>	a.m. / p.m. (circle one)	Sampler's initials:
	Water temperature: <input style="width: 50px;" type="text"/>	°C (to nearest 0.1°C)	
	DO % Saturation: <input style="width: 50px;" type="text"/>	% (to nearest 1%)	
	DO Concentration: <input style="width: 50px;" type="text"/>	mg/L (to nearest 0.1 mg/L)	
	Conductivity*: <input style="width: 50px;" type="text"/>	µS (micro-Siemens--to nearest whole #)	
	Salinity**: <input style="width: 50px;" type="text"/>	ppt (to nearest 0.1 ppt)	
YSI-60:	pH: <input style="width: 50px;" type="text"/>	(to nearest 0.1 pH unit) (Expected range 6.5 - 8.5)	Sampler's initials: