PIC Trends Monitoring **Date: ___/___/___** Clallam County Env. Health Lab / Other: _____ *Ep. ID*: _____ *Tour ID:* _____ ***Rev. 2/28/2024***

Tier 1 monthly **Samplers' initials: Stage/Flow: WQ: Bacteria: Nutrients: Turbidity grabs:**

Field ID (fecal bottle #)	**Station Name, Code, or Description** (Label nutrients bottles with the same number as on the corresponding bacterial sample bottle, and send a copy of this field sheet to the nutrients lab.)	Temperature check at lab, °C	Time (military)	Gage height /Water-level/ Top-down (ft)	Readings taken with ProDSS Meter #____								Fecal/ lab rep counts per 100 mL factor	Fecal qualifier (U=<; G=>)	Clallam County lab #	**Comments** **Stream conditions: -turbid? -smelly? **Ebb or Flood Tide? (Cassalery mouth) **Problems sampling **Unusual situations *(Continue on back if needed; indicate stream & location.)*
					Wtr Temp to 0.1 °C	Barometric Pressure to 0.01 in Hg	Dissolved Oxygen to whole % Local	Dissolved Oxygen to 0.1 mg/L	Specific Cond SpC to whole µS/cm	Salinity to 0.1 PSU (ppt)	pH to 0.1	Turbidity to whole FNU				
	Matriotti 0.3a			TD -												DO drift ✓:____%
	Bell 0.2	X		SH												
	Bell 0.2 replicates	X		X												
	Gierin 1.8	X		TD -												
	Cassalery 0.0 *(preferred)*	X		EST												
	Cassalery 0.6 *(if 0.0 is submerged;ALWAYS read gage)*	X		GH												
	Meadowbrook Slough .23			TD -												
	Golden Sands Slough 0.0	X		TD -												
	Meadowbrook 0.2	X		TD -												
	Meadowbrook 0.2 blanks	X		X	X	X	X	X	X	X	X	X				
	Dungeness 0.7	X		X												*Flow @ECY gage Dung 0.8: _____ cfs @___:___/EST/_____*
	Agnew Creek/Ditch 0.3	X		SH												
	McDonald 01.6	X		TD -												*Flow @ECY gage McD 3.1: cfs @ : /EST/*
	Lotzgesell 0.1			TD -												
																DO drift ✓:____%

SH = stage height; TD = measure top-down (record as a negative number); EST=floating-object flow estimate—see other side for calculation

Fecal lab samples submitted by (incl. initials): _____ Date: _____ Time: _____ Rec'd by: _____ Date: _____ Time: _____

Nutrients samples submitted by (incl. initials): _____ Date: _____ Time: _____ Rec'd by: _____ Date: _____ Time: _____

Floating-Object Flow:

Site: _____ (see other side for time) Sampler's initials: _____

Mark Start & Finish lines across a stretch of the stream (≥ 10 ft.) with fairly uniform width, depth, and flow.

Length of course (to 0.1 ft.): _____

Avg. width (to 0.1 ft.): _____

Avg. depth (to 0.1 ft): _____

Time trials (# of seconds)--do at intervals all the way across the creek:

1) 2) 3) 4) 5) 6) 7) 8) 9) 10)

Calculations (can be done later):

Average time trial:

Average velocity = Length of course / Avg. time = ft/sec

Friction factor (circle one) = 0.9 for a smooth-bottomed stream, 0.8 for gravel/cobble-bottomed, 0.7 for severely vegetation-impacted

Flow (est.) = Avg. width * Avg. depth * Avg. velocity * Friction factor = ft^3/sec (cfs) (round to 0.1)