

Station Name: _____ Collectors: _____

STAID: _____

Date: _____

Transect: _____

Bed-Substrate Characterization

Description	Size (mm)	Basic categories	Expanded categories
Smooth bedrock/concrete/hardpan	N/A	>3	1
Fine-grained; organic-rich	N/A	2	2
Mixed sand and fine-grained; intermediate organic content	≤ 2	2.5	2.5
Sand; organic-poor	> 0.063–2	3	3
Fine/medium gravel	> 2–16	>3	4
Coarse gravel	> 16–32	>3	5
Very coarse gravel	> 32–64	>3	6
Small cobble	> 64–128	>3	7
Large cobble	> 128–256	>3	8
Small boulder	> 265–512	>3	9
Large boulder/irregular bedrock/irregular hardpan/irregular artificial surface	> 512	>3	10

Method used for measurements (circle one):

range finder measuring tape other: _____

Units of measurement (circle one): ft m

Substrate zone	Position of right-most boundary *	Width of zone	Position of zone midpoint **	Bed-substrate category (see table above)	Core collected? (Y/N)	Time of sample collection	Method of core collection (circle)
LEW	--	--	--	--	--	--	--
T__-1							Core Grab None
T__-2							Core Grab None
T__-3							Core Grab None
T__-4							Core Grab None
T__-5							Core Grab None
T__-6							Core Grab None
T__-7							Core Grab None
T__-8							Core Grab None
T__-9							Core Grab None
T__-10							Core Grab None
T__-11							Core Grab None
T__-12							Core Grab None
T__-13							Core Grab None
T__-14							Core Grab None
T__-15							Core Grab None
REW***	--	--	--	--	--	--	--

* "Position of right-most boundary" refers to the location of the right-most (when facing downstream) boundary of the substrate zone on the tape or range finder. With a tape, the left edge of water may not be positioned at the zero point marked on the tape; record the measurement on the tape at the left edge of water (LEW) or at the boundary of the substrate zone. With a range finder, all measurements should be taken from the LEW; the LEW should be zero.

** "Position of zone midpoint" refers to the location of the zone's midpoint on the tape/range finder.

*** REW: right edge of water

Wetted Width (circle units): REW – LEW = _____ ft m

Comments: _____
