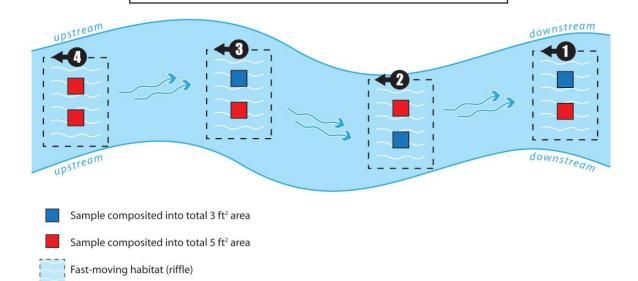
2011 Side By Side Sampling: Graphical Representation of 3 vs. 8 ft² Sample Collection Methods Jo Wilhelm, King County, October 31, 2011

STREAM REACH SAMPLE COLLECTION

- Sample each riffle twice, 1 ft² per sample
- Move from downstream to upstream

Stream flow

- 3 ft2: collect one sample from three riffles
- 5 ft2: collect one sample from three riffles and two from a fourth riffle



• Use modified kick-nets or Surber samplers (500 µm mesh) · Scrub and agitate sediments in 1 ft² quadrants for 60 seconds **COMBINE SAMPLES COMBINE SAMPLES** Composite 3 sq. ft. Composite 5 sq. ft. from three riffles from four riffles **PROCESS SAMPLE PROCESS SAMPLE** 500 μm sieve 500 µm sieve Wash large sediments Wash large sediments Inspect net for organisms Inspect net for organisms Pick out large objects Pick out large objects TRANSFER TO SAMPLE JAR TRANSFER TO SAMPLE JAR Use 500 mL - 2L pre-labeled • Use 500 mL - 2L pre-labeled sample jar sample jar • Fill jar <50% of sample • Fill jar < 50% of sample Preserve with 100% ethanol Preserve with 100% ethanol SEND TO TAXONOMIC LAB FOR SUBSAMPLING AND ORGANISM IDENTIFICATION

SAMPLING

