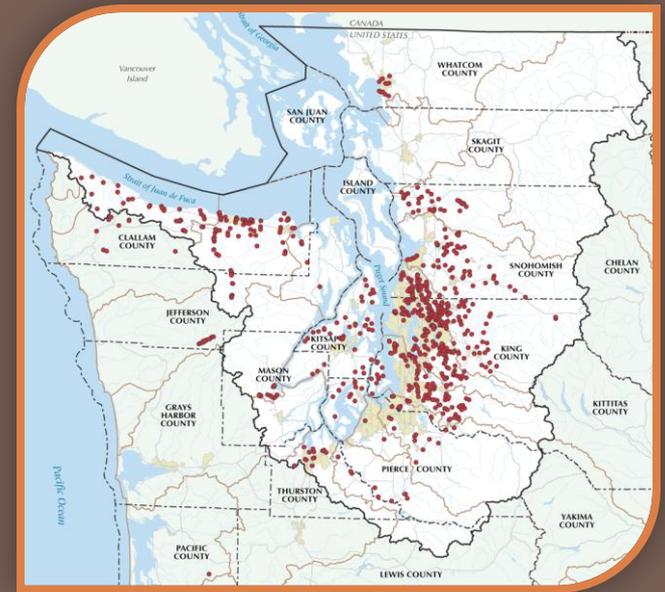


STANDARD TAXONOMIC EFFORT:

A local jurisdiction's needs & interest



Jo Wilhelm: King County, Puget Sound
Stream Benthos, Puget Sound Region



King County

Department of
Natural Resources and Parks
Water and Land Resources Division

NBAW Oct. 25, 2012



King County

Department of
Natural Resources and Parks
Water and Land Resources Division

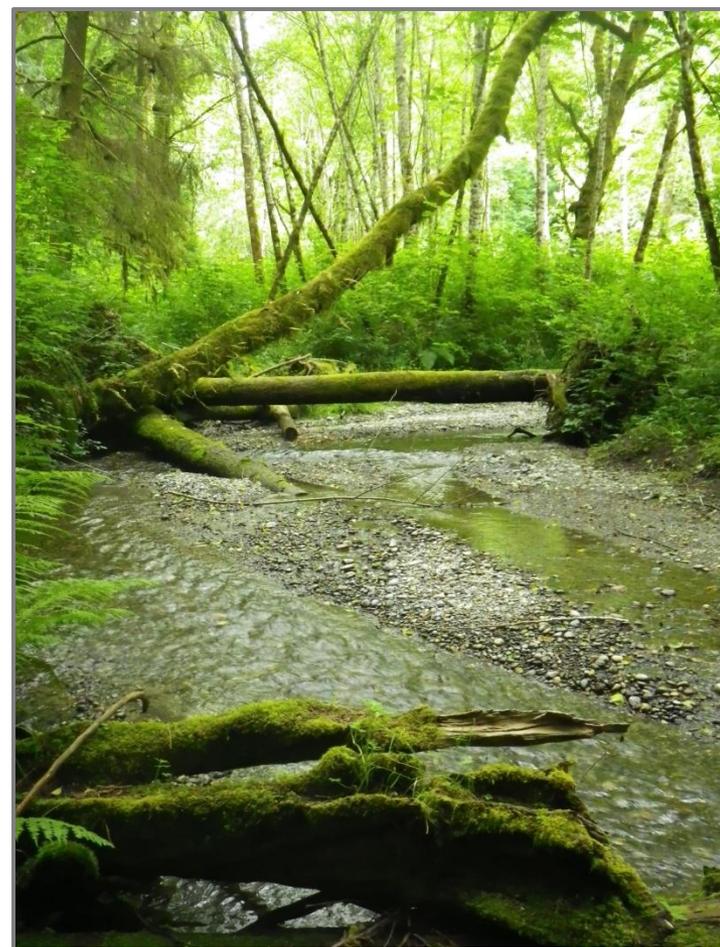
Biological Data Uses

-  Status & Trends
-  State WQ Assessment
-  Freshwater Indicator (PSP)
-  Effectiveness & Diagnostic

STREAMS

BIBI

O/E





King County

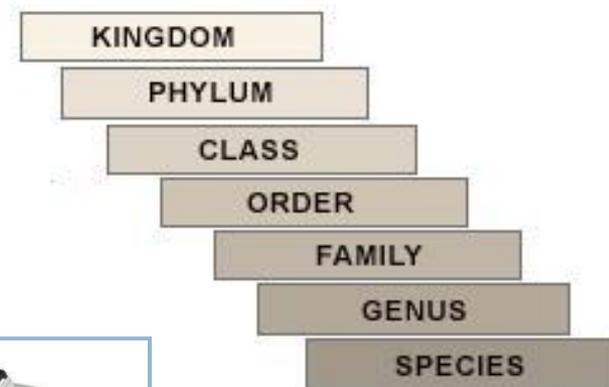
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Water and Land Resources Division

Consistency Concerns

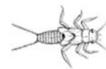
 Lowest practical

 Unique taxa

 Reject taxa



Who stipulates?

 Customer

 Consultant



King County

Department of
Natural Resources and Parks
Water and Land Resources Division

Puget Sound Stream Benthos

Excluded Taxa

Puget Sound Stream

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Excluded Taxa

These are the taxa excluded from the B-IBI Calculation

Resolve a Taxon (optional):

Sorted by Natural Taxonomic Order

Taxon Name	TSN	Taxonomic Rank	Excluded
Lumbricidae	69165	Family	Yes
Eiseniella tetraedra	-121	Species	Yes
Arachnida	82708	Class	Yes
Araneae	82732	Order	Yes

STE

Puget Sound Stream

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Standard Taxonomic Effort

A definition of standard taxonomic effort is coming soon. For now, these are the the different effort options we are looking at.

STE 1: Finest Resolution (Closest to Wash. State DOE)
 Oligochaetes at lowest possible, Acari at genus, Snails at genus, Dytiscidae adults to family, Chironomids at genus/species/species groups, Trichoptera larvae to genus/species

View scores: [Scores](#) [Map](#)

STE 2
 Oligochaetes at family, Acari at "Acari", Snails at genus, Dytiscidae adults to family, Chironomids at subfamily/tribe, Trichoptera larvae to genus/species

View scores: [Scores](#) [Map](#)

STE 3: Lowest Resolution (Closest to King County)
 Oligochaetes at "Oligochaeta", Acari at "Acari", snails at family, Dytiscidae adults to family, chironomids at family, Trichoptera larvae to genus/species/species group

View scores: [Scores](#) [Map](#)



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STE Considerations

- Confidence to detect “real” change
- Ecological context
- Cost and return on investment
- Eye on the future

