Regulatory Update

- More specific discussion/description of how biocriteria have been and could be implemented, both from point and non-point sources
- How will multiple criteria (e.g., different taxonomic groups, metrics) be used and how will independent applicability be addressed?
- How do see anti-degradation policy being implemented?

Better communicate that the reference condition represents the range of natural variation (see Figure 1)

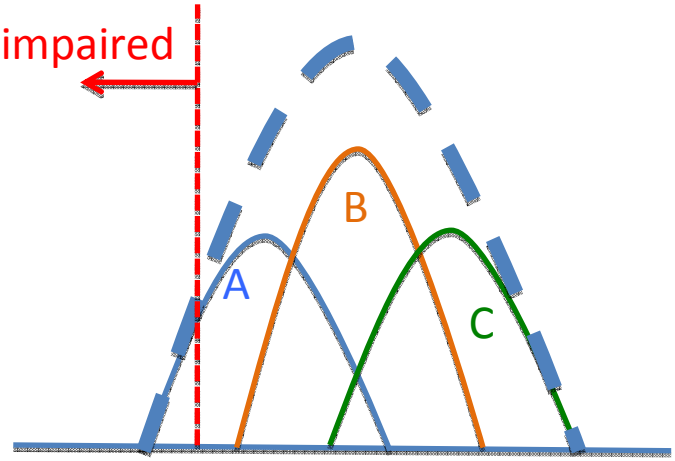
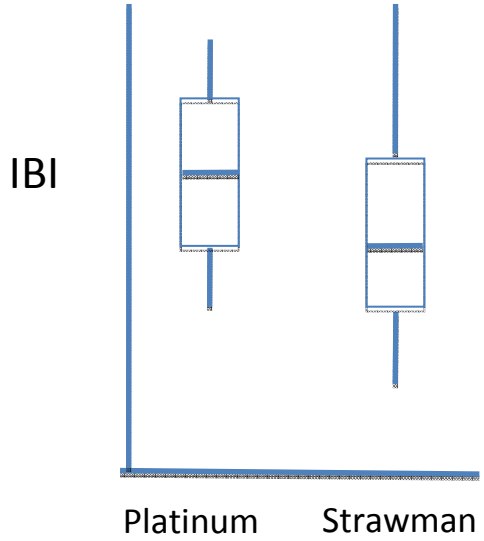


Figure 1. Blue dotted line = distribution of IBI scores for reference sites across state.
A,B,C are individual sites that vary over time, or could also be distribution of IBI scores within 3 regions.

Reference Condition

- Metric selection?
  - Yes, but consider other potential stressors, e.g., conductivity
- Check for remnant anthropogenic signal in your strawman reference sites (see Figure 2)
- Approaches for combining metrics
  - Single filters, multivariate check
- Most important screening factors?
  - Generally OK
- How should we adjust strawman thresholds?
  - Regionally as needed using sensitivity analysis, anchored to platinum reference sites.

Communicate tradeoffs associated with reference site quality (platinum) and coverage (strawman)



Box plots of IBI scores for platinum and strawman reference sites.

Reference Condition

- Metric selection?
  - Yes, but consider other potential stressors, e.g., conductivity
- Check for remnant anthropogenic signal in your strawman reference sites (see Figure 2)
- Approaches for combining metrics
  - Single filters, multivariate check
- Most important screening factors?
  - Generally OK
- How should we adjust strawman thresholds?
  - Regionally as needed using sensitivity analysis, anchored to platinum reference sites.

Reference Condition

- Prioritize statewide consistency versus regional flexibility?
  - Go with statewide consistency as long as coverage satisfactory and lack of anthropogenic signal within reference sites
- Adequate performance measures?
  - Can't say until final scoring tools are developed and evaluated
- Reference process adequate for scoring tool development?
  - yes

Modeling - Classification

- Which approach is better … and … Recommended improvements on preferred approach?
  - Keep it simple and run it to the end and see if it can be communicated
  - No scientific basis for selecting binning over continuous
- Outcomes for next meeting?
  - Completed pilot, through implementation
  - Joint meeting between technical team and regulatory team