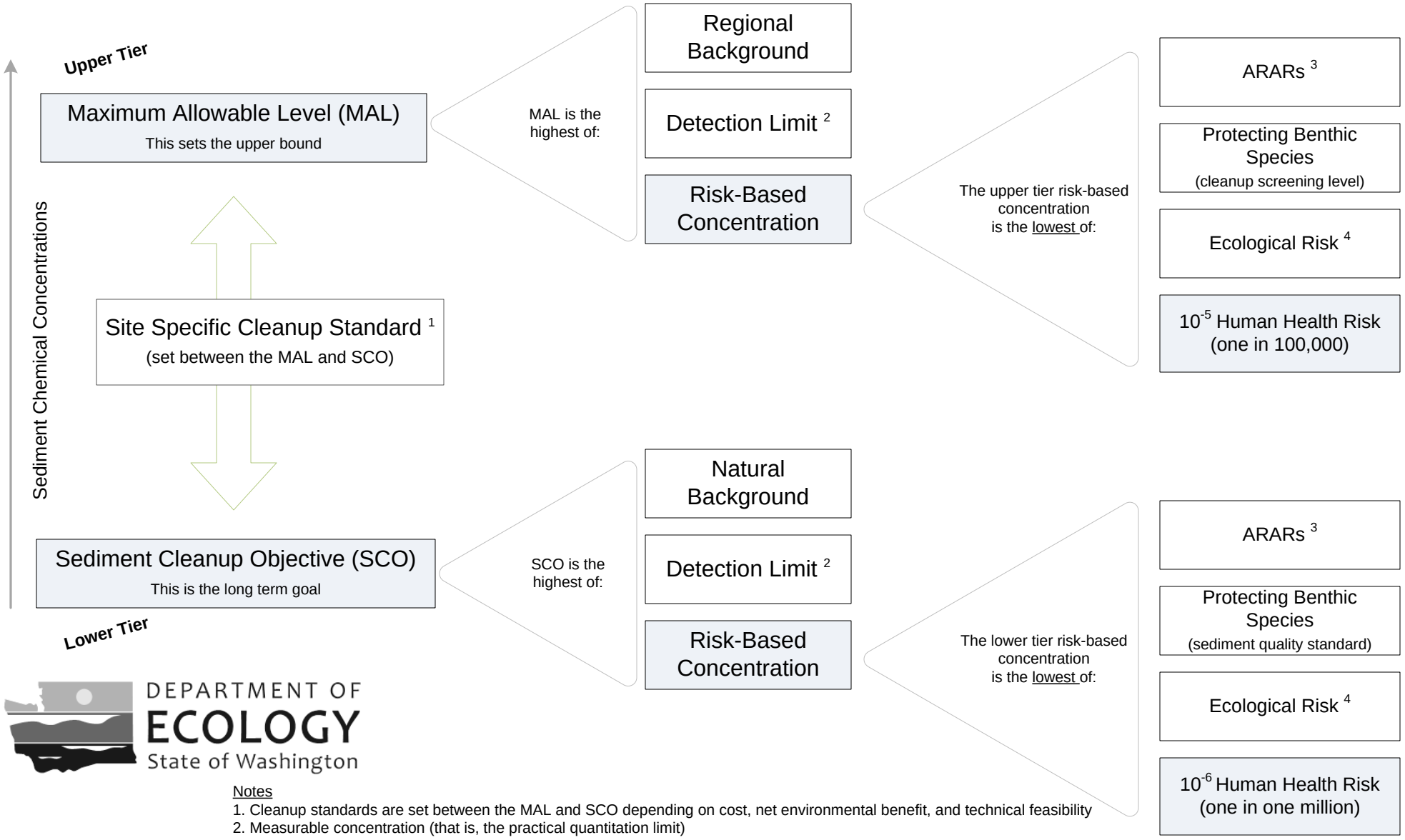
How Fish Consumption Rates fit into the Sediment Management Standards (SMS) Framework

Fish consumption rates are used to calculate risk-based concentrations protective of human health. This diagram shows the two-tiered SMS framework for setting site specific cleanup standards. What's new? Ecology is proposing to (1) add protecting human health based on fish consumption rates to the SMS; (2) allow using regional background in the upper tier; (3) add an ecological risk narrative; and (4) add freshwater sediment standards protective of benthic species.



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Notes
1. Cleanup standards are set between the MAL and SCO depending on cost, net environmental benefit, and technical feasibility
2. Measurable concentration (that is, the practical quantitation limit)
3. ARARs = All Applicable or Relevant and Appropriate Requirements (i.e., other laws that may apply)
4. Ecological Risk = Protecting higher trophic levels from persistent bioaccumulative toxic chemicals

This diagram is for discussion purposes only