

RMP Annual Meeting 2006 - Interactive Questionnaire Chart Responses:

Question#	Objectives (in bold) & Management Questions	Number of Votes
1	Describe the distribution and trends of pollutant concentrations in the Estuary	10
1.1	Which pollutants should be monitored in the Estuary, in what media, and at what frequency?	2
1.2	Are pollutants of concern increasing, decreasing, or remaining the same in different media?	11
1.3	How are contaminant patterns and trends in the Estuary over time affected by remediation and source control or pollution prevention in the watersheds?	25
1.4	Do pollutant concentration distributions indicate particular areas of origin or regions of potential ecological concern?	11
1.5	What effects on beneficial uses or attainment of water quality standards will occur due to large-scale habitat restoration in the Estuary in decades to come?	1
Total		60

2	Project future status and trends using current understanding of ecosystem processes and human activities.	4
2.1	Can reasonably accurate recovery forecasts be developed for major segments and the Estuary as a whole under various management scenarios?	2
2.2	Can potential impairment and degradation be better anticipated in the face of projected changes in land and water use and management, as well as product use and disposal?	1
2.3	Which pollution categories are predicted to accumulate in the Estuary faster than can be assimilated?	13
2.4	Do pollution trends reflect historical changes in use patterns, transport and transformation processes, or control actions?	2
2.5	How will the importance of each pathway change through time under various management and development scenarios?	1
2.6	What is the projected future loading of pollutants of concern under various management and development scenarios?	3
2.7	What are the likely consequences of various management actions or risk reduction measures?	10
2.8	Do pollutants show existing distributions that fit our current understanding or models of their origin, loads, and transport?	2
2.9	What changes in loadings or ecosystem characteristics (e.g. the extent of restored tidal marsh, Estuary circulation or flushing, food web shifts) would reduce or increase pollutant exposures and effects?	7
2.10	How are distributions and long-term trends in pollutants affected by current and predicted estuarine processes (e.g. sediment erosion, deposition, river inflows)?	8
Total		53

3	Describe sources, pathways and loading of pollutants entering the Estuary.	22
3.1	Where are/were the largest pollutant sources, in what context are/were these pollutants applied, and what are/were their ultimate points of release into the aquatic environment?	21
3.2	What are the circumstances and process that cause the release of pollutants from both internal and external source areas?	7
3.3	Once released, how do pollutants travel from source areas to the Estuary, what are the temporal and spatial patterns of storage, and are they transformed along the way or after deposition?	6
3.4	What is the annual mass of each pollutant of concern entering the Bay from each pathway?	4
3.5	Can data with high temporal resolution from a few watersheds be projected to other watersheds and the Basin as a whole?	5
3.6	For each pollutant of concern, what forms are released from each pathway and what are the magnitude and temporal variation of concentration loadings?	1
3.7	How do loads change over time in relation to management activities?	14
3.8	What is the relative importance of pollutant loadings from different sources and pathways, including internal inputs, in terms of beneficial use impairment?	29
Total		109

4	Measure pollution exposure and effects on selected parts of the Estuary ecosystem (including humans).	16
4.1	How are emerging problems reflected in exposure and effects measurements?	2
4.2	Which co-factors (e.g. food web structure) influence exposure and effects of specific pollutants on biota?	6
4.3	What ecological risks are caused by pollutants of concern?	26
4.4	What human exposure to pollutants of concern results from consumption of fish and game?	3

Item 3

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4.5	To what extent does exposure to multiple pollutants lead to effects?	13
4.6	Which form of pollutants cause impairment?	3
4.7	To what extent do factors other than specific pollutants (invasive species, flow diversions, land use changes, toxic algal blooms) contribute to beneficial use impairment?	25
Total		94

5	Compare monitoring information to relevant benchmarks such as TMDL targets, tissue screening levels, water quality objectives, and sediment quality objectives.	12
5.1	What percentage of the Estuary is supporting beneficial uses?	1
5.2	Which segments should be considered impaired and why, and how segments compare in terms of recovery targets?	6
5.3	How can specific source limitations, controls, and mitigation be best linked to appropriate beneficial use endpoints and recovery targets?	17
Total		36