

Item 3 Attachment 1 Revised Management Questions

GENERAL GOAL OF THE PROGRAM

Provide information needed to support management decisions

OBJECTIVES AND MANAGEMENT QUESTIONS

Objective 1. Describe spatial patterns and long-term trends of pollutant concentrations in the Estuary

- 1.1 Do pollutant spatial patterns and long-term trends indicate particular regions of concern?
- 1.2 How are spatial patterns and long-term trends in the Estuary affected by management actions?
- 1.3 What are the most cost-effective indicators of spatial patterns and long-term trends in impairment to support decision-making?

Objective 2. Project future impairment

- 2.1 What patterns of impairment are forecast for major segments and the Estuary as a whole under various management scenarios?
- 2.2 Which pollutants are predicted to increase in the Estuary?
- 2.3 What are the most cost-effective methods for making predictions to support decision-making?

Objective 3. Describe sources, pathways, and loading of pollutants entering the Estuary

- 3.1 Which sources and pathways contribute most to impairment?
- 3.2 What are the best opportunities for management intervention for the most important pollutant sources and pathways?
- 3.3 How do the most important loads change over time in response to management activities?
- 3.4 What are the most cost-effective indicators of loadings to support decision-making?

Objective 4. Characterize ecological and human health risks due to pollution of the Estuary ecosystem

- 4.1 Which chemicals pose ecological and human health risks and should be monitored?
- 4.2 What ecological and human health risks exist due to Bay pollution?
- 4.3 Are management actions effective in reducing ecological and human health risks due to Bay pollution?
- 4.4 What are the most cost-effective indicators of ecological and human health risks to support decision-making?

Objective 5. Use monitoring information for comparison to relevant regulatory guidelines and for establishing regulatory guidelines

- 5.1 What percentage of the Bay is impaired?
- 5.2 What is the degree of beneficial use impairment in each Bay segment?
- 5.3 What are appropriate thresholds for protection of beneficial uses?

Objective 6. Effectively communicate information from a range of sources to present a comprehensive picture of the sources, distribution, fate, and effects of pollutants and beneficial use attainment or impairment in the Estuary ecosystem.

This objective applies to all of the questions listed under objectives 1 – 5.