

# Chapter 5: Habitat Restoration and Monitoring Strategies

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TEP is developing new five-year Habitat Restoration and Monitoring Strategies for consideration and approval by its board and EPA oversight team. This task will be completed by TEP staff working with local partners and appropriate state and federal agencies by 2020.

The Habitat Restoration Strategy will expand upon the actions and activities described in [Chapter 2](#) (Habitat Restoration). The strategy shall encompass:

- Relevant habitat types and key species in the focus area;
- Goals and measurable objectives; and
- Actions that reflect the climate change vulnerability assessment conducted by TEP and its partners (Table 5).

The Monitoring Strategy will expand upon the actions and activities described in [Chapter 1](#) (Water Quality), [Chapter 2](#) (Habitat Restoration), and [Chapter 3](#) (Community Education and Engagement). Monitoring is necessary to measure the effectiveness of the revised CCMP actions and to detect changes and/or improvements of conditions in the TEP focus area. Output monitoring measures programmatic progress related to the implementation of the CCMP. Outcome monitoring focuses on the results of CCMP actions such as changes in ambient conditions, ecological functions, and biological populations (e.g. status and trends in the water quality; health and abundance of Tillamook County's habitats and living resources). TEP's monitoring strategy will include both output and outcome monitoring along with the following elements:

- Current list(s) of indicators and data gaps;
- Inventory of current TEP and partner monitoring efforts in the focus area;
- Methods and frequencies of collecting and reporting monitoring data; and
- Data sharing protocols.

Together, the Habitat Restoration and Monitoring Strategies will:

- Establish priorities of restoration efforts based on impact, relevancy, funding, and resources.
- Focus on the technical aspects of field monitoring data collection, analysis, and application.
- Identify water quality and habitat monitoring strategies to assess the environmental condition of TEP's focal area.
- Evaluate the success of CCMP Actions by tracking the extent to which the actions laid out in the CCMP are being implemented and the environmental effects that may result from those implemented actions.

The Habitat Restoration and Monitoring Strategies shall be living documents intended to evolve as a result of tracking the status and trends of conditions within TEP's focus area, new/modified actions and priorities, and new/modified environmental indicators. Output and outcome monitoring data shall be used to inform the State of the Bays reports (issued every five years by TEP) which shall, in turn, provide direction for updating the Habitat Restoration and Monitoring Strategies. TEP shall continue to work with multiple agencies and partners to obtain, share, and evaluate monitoring data, and to communicate findings to the public, decision makers, and stakeholders.