

## List of Substantive Updates included in the 2024 Update of Actions:

- Throughout: Updated the Mission of the Estuary Partnership that was adopted in 2022 - *to restore and care for the waters and ecosystems of the lower Columbia River, for current and future generations of fish, wildlife, and people.*
- Page 6: Updated the description of the study area to reflect the full description found in Volume 1 of the Management Plan- The Estuary Partnership’s area of study reflects the broader definition of estuary from the Clean Water Act, to include tidally influenced waters of rivers. The Estuary Partnership study area extends from the Pacific Ocean to Bonneville Dam, at river mile 146, in recognition of the far-reaching effects of the ocean’s tides. It also includes the near-coastal waters from the mouth of the Columbia out three miles, to the extent those waters are influenced by the plume of fresh water flowing out of the Columbia River, as well as tributaries of the Columbia to the extent of historic tidal influence. The study area covers approximately 4,300 square miles and contains a wide variety of habitats associated with marine, estuarine, and freshwater influences.
- Pages 8-9: The Objectives of the 2024 Update have been stated.
- Pages 9-11: The list of Accomplishments have been updated.
- Page 13: The List of Actions has been updated to include:
  - Actions are no longer identified as “shared” or “Estuary Partnership Actions” as nearly all actions on the lower river occur with some level of collaboration and the primary distinction for the Estuary Partnership is in the responsibility for tracking and reporting.
  - Additionally, Actions 1, 2, 3, 5, 9, and 14 have been updated (added language is underlined while deleted language is struck through):
    - **ACTION 1:** Inventory habitat types and attributes in the lower Columbia River and estuary and prioritize those that need protection and conservation; identify habitats and environmentally sensitive lands that should not be altered. Update periodically to reflect emerging science and issues.
    - **ACTION 2:** Protect, conserve, restore, and enhance priority habitats, particularly wetlands, on the mainstem and within tributaries of the lower Columbia River and in the estuary.
    - **ACTION 3:** Monitor status and trends of ecosystem conditions and effectiveness of management actions.
    - **ACTION 5:** Avoid the introduction and reduce the prevalence of non-native invasive species.
    - **ACTION 9:** Ensure that development is ecologically sensitive and reduces ~~carbon~~ greenhouse gas emissions.
    - **ACTION 14:** Create and implement education and volunteer opportunities for ~~citizens~~ community members of all ages to engage in activities that promote stewardship of the lower Columbia River and estuary.
- Page 16 – Action 1 has been updated including:
  - The Action was updated, as shown above.
  - Updated the How statements The targets have been updated.

- Page 17 – Action 2 has been updated as shown below (added text is underlined, deleted text is struck through):
  - The Action has been updated.
  - Updates to the “How” statements
  - The Targets were updated by the Science Work Group.
  - The Lead Entity was deleted as this is a collaborative role shared by many partners and the Estuary Partnership role was better defined.
- Page 19 – Action 3 has been update as shown below:
  - The Action has been updated.
  - Updates to the “how” statements:
  - Targets updated.:
- Page 20 – Action 4:
  - The Action has been updated.
  - Deleted “Assess impacts of Columbia River Treaty Review from the “how” section.
  - Updated the Estuary Partnership role to “track activity” and deleted “and report”.
- Page 22 – Action 6:
  - Updated Targets.
- Page 23 – added text to describe urban heat islands.
- Page 24 – Taking Action: added text (added text is underlined, deleted text is struck through):
  - First bullet: Conserving land reduces runoff, allowing more natural infiltration. Conserving lands is also much less expensive than restoring habitat after it has been degraded or converted.
  - Final bullet: Continuing to identify and learn about and ~~take actions to address~~ emerging pollutants including 6PPD-Q that are delivered to waterways via stormwater. helps prioritize actions that have the greatest impact on salmon aquatic organisms’ health.
- Page 25 – Action 7:
  - Struck the final “how” bullet - Refine shoreland protection programs pursuant to the Columbia River Treaty Review.
  - Revised all Target dates.
- Page 26 – Action 8: Updated Targets
- Page 27 – Action 9 was updated as shown below (added text is underlined, deleted text is struck through):
  - The Action was updated.
  - “How” statements were updated.
  - Targets were updated.
  - Revised Estuary Partnership Role.
  - Moved the Track/Assist/Do marker closer to the “track” than “assist”
- Page 31 – Action 10:
  - Targets were revised.
- Page 32 – Action 11: The targets were updated
- Page 33 – Action 12: The targets were updated
- Page 39 – Action 14:

- Added two “how” statements:
  - Targets updated
  - The Lead Entity language has been broadened to reflect the full range of partners who are doing this work in the study area. And to shift the Estuary Partnership role marker closer to the middle of the range.
- Page 40 – Action 15:
  - Two new “how” statements have been added:
  - Targets Updated
- Page 43 – Action 16:
  - Provide technical assistance to local governments on water quality, endangered species, habitat loss and restoration, biological diversity, and the effects of climate change recurring extreme weather events on the estuary, including the identification and assessment of vulnerabilities in the estuary and the development and implementation of adaptation strategies.
- Page 45-48 - Updated as shown below:
  - The Implementation Strategy will be updated every 10 years to better coincide with the 5 and 10 year cycles of EPA Guidance.
  - All financial performance data is updated.
- Page 49 – The Org Chart is updated
- Page 50 and 51- The list of Board of Directors and Staff Members are updated