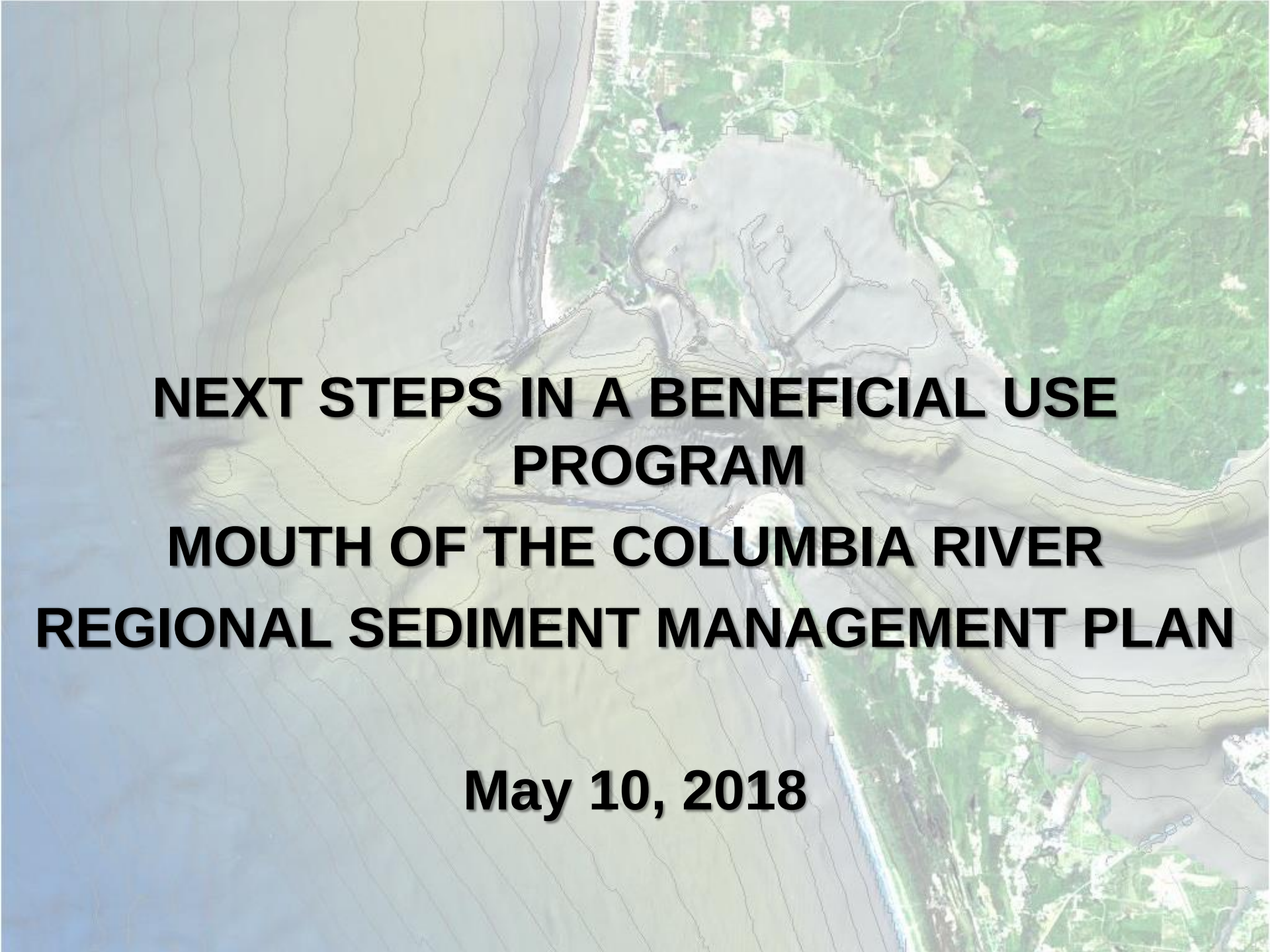

NEXT STEPS IN A BENEFICIAL USE PROGRAM

MOUTH OF THE COLUMBIA RIVER

REGIONAL SEDIMENT MANAGEMENT PLAN

May 10, 2018

GOALS AND OUTCOMES

- Engage scientists, stakeholders and resource managers in analyzing what is known about the benefits and impacts of nearshore sediment placement, particularly from a biological perspective, and identify knowledge gaps and priorities for developing additional information through studies and monitoring.

- Develop projects for beneficial use of sediment dredged at MCR at nearshore or on-shore beneficial use disposal sites in Oregon and Washington.

- Advise on management and use of potential new beneficial use sites (i.e., timing, volume, method of placement, involvement of partners, etc.).

- Develop monitoring plans and adaptive management measures associated with potential new beneficial use sites.

GOALS AND OUTCOMES

- Clear understanding of the expected benefits and risks of placement.
- Defined pathway to having sediment placed at the North Head site.
- Serious consideration of on-shore placement at Benson Beach.
- What modeling is needed to enable ongoing placement at the South Jetty site and future placement at the North Shore and on-shore sites.
- Long-term plan for future deposition in the near shore both north & south of MCR, including how much more monitoring is needed.

SUMMARY OF 2016 ACTIONS

On-Shore Disposal

- Convene work group to address how to advance placement of on-shire disposal
- Involve Clatsop County and ODRP for Clatsop Spit placement

South Jetty Site

- For 2016, proceed with planned disposal and monitoring. Employ single beam technology
- Limited to 300k cubic yards by Water Quality certification. Define requirements associated with expansion of site area and increase in disposal volume to 500k cubic yards
  - Investigate whether new or revised Water Quality certification is required in order to increase disposal volume in 2017. Maintain thin layer disposal, other requirements
  - Process and timeframe?
  - Corps or state as applicant?

SUMMARY OF 2016 ACTIONS

Shallow Water Site

- Explore with EPA what surveys at SWS could benefit system of beneficial sites

North Head Site

- Proceed with data collection in area defined by green box
- Convene technical team to define bathymetric surveys (Corps), biological data collection (NOAA) and APT (Golder)
- Initiate environmental clearances in timeframe to enable 2018 disposal

RSMP

- Modify disposal maximum in RSMP to 600 cubic yards
  - Continue thin layer placement
- Check North Head area specifications; revise as needed
- Circulate to Agreement members for approval

SUMMARY OF 2016 ACTIONS

Technical Team

- Develop framework (schedule/program) for adaptive management monitoring that includes
  - Routine monitoring program
  - Trend assessment
- Monitor whether material from nearshore sites is replenishing shoreline
- Update of monitoring program at 10 years
- Special studies for unexpected circumstances
- Explore beach building versus beach nourishment program