What happens to Oregon’s tidal wetlands with sea level rise?

Project covers 23 estuaries S. of the Columbia:
- Uses elevation-based mapping (LIDAR).
- Applies 6 sea level rise scenarios
- Shows areas that could be future tidal wetlands; shows areas that submerge.
- Prioritizes areas for conservation/restoration. The sooner restoration happens, the more chance areas can accumulate sediment and keep up with SLR for longer

- Map above show locations of potential future tidal wetlands (yellow) around 2100.
- Bar charts don’t show how the locations of future tidal wetlands differ from current tidal wetlands.
- At 4.7 ft SLR, 2/3 of potential tidal wetlands are in different places from current tidal wetlands.
- At 8.2 and 11.5 ft SLR, there is no overlap between locations of future and current tidal wetlands.

Contact: Evan Hayduk, 541-265-9195, evan@midcoastwatershedscouncil.org