Appendix C. Oregon Explorer Report Hyperlinks and Spatial Data Gaps

Mid-Coast Planning Area:
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T195635-HVtkGwvj&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T195645-tVbDMMrn&useArchive=true

Alsea River Sub-Area:
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T180549-c9nr8jaH&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T190700-wYHB4xQF&useArchive=true

Beaver Creek-Ocean Tributaries Sub-Area
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T180928-oVz8C3cH&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T190852-xefW56dA&useArchive=true

Depoe Bay-Ocean Tributaries Sub-Area:
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T181930-QwoUi1HO&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T193820-yyCRRkmc&useArchive=true

Salmon River Sub-Area:
Re-run report url:
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T182156-XERqzmNQ&useArchive=true
Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T194155-uePEsr3G&useArchive=true

Siletz Bay-Ocean Tributaries Sub-Area:
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T182659-gPBHXFqL&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T194442-zwQOLOEq&useArchive=true

Siletz River Sub-Area:
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T183000-zvv3ccgn&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T194710-0NXavHXA&useArchive=true

Yachats River-Ocean Tributaries Sub-Area:
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T183212-h5cilt8R&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T194957-OuXTgylm&useArchive=true

Yaquina River Sub-Area:
Re-run report
url: https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&reportID=midcoast:2021-10-29T183421-sAE9wxAE&useArchive=true

Snapshot report (10/29/21):
https://tools.oregonexplorer.info/OE_HtmlViewer/index.html?viewer=midcoast&run=runMidcoastReport&snapshotID=midcoast:2021-10-29T195311-7IfIXtgo&useArchive=true

Spatial Data Gaps

The following questions were not addressed using the Mid-Coast Water Planning Map Viewer because datasets were not available or complete for the Mid-Coast planning area.

Context:

- What are the major sources of water?
  Although we have a statewide hydrography dataset, we don't know the extent to which these rivers are used as a source.
- What institutions manage, oversee, and/or regulate water?
  There is not a spatial dataset that identifies the water management responsibilities for each stream segment or groundwater source. In addition, a spatial dataset of water districts does not exist.

Water Quantity:

- Are there known conflicts or concerns with surface water allocation?
  There is not a spatial dataset that identifies the water management conflicts or concerns with surface water allocation (or groundwater source).

Water Quality:

- What do we know about groundwater quality and are there concerns?
- Is our water safe for humans to drink/consume?
- Is our water safe for recreational contact?
- Is our water safe for fish and wildlife?
  The only dataset we have for groundwater are the DEQ Groundwater Management Areas, but this dataset does not include information about quality. This dataset does represent groundwater areas of concern, but not all areas of concern. There is not a spatial dataset that identifies the safety of water sources for human consumption, recreational and environmental uses (fish and wildlife) because these are often temporal issues. We can report on the parameters assessed by DEQ, but they are not comprehensive to specifically answer these questions.

Water Use:

- Who is currently required to measure and publicly report their groundwater water use?
- How much is groundwater is used? When?
- Who uses groundwater, and who are the biggest users?
- Where does drinking water come from (community water systems (public or private) and self-supplied water)?
- What infrastructure is there to store, direct, and convey water?

- What is the status/condition of water infrastructure?
- Where are the priorities for restoring streamflows?
  County level water use summaries for surface water are available for the state, but they are not available for specific locations within the county in a spatial format. In addition, the infrastructure datasets are limited to fish passage barriers, reservoirs, tidegates and dams. These datasets do not include attributes of condition. We do not have data for water conveyance and other infrastructure within the Mid-Coast planning area. The datasets we have for groundwater are the DEQ Groundwater Management Areas and OWRD observation wells, but these datasets do not include comprehensive information about use throughout the Mid-Coast or who is required to measure and report.

Natural Hazards:

- What natural hazards could affect water supplies?
- What climate change stressors could affect water supplies?
  Although we have spatial datasets that pertain to landslides, tsunami zones, wildfire risk, flood hazards, the datasets do not include a direct relationship to their impacts on existing water supplies. In addition, we do not have a comprehensive dataset of all the water supplies in the Mid-Coast. As for the question about potential climate change stressors in the Pacific Northwest that could affect water supplies, some general statements can be made: increased rates of transpiration from vegetation and evaporation from lakes and reservoirs due to projected rising temperatures could reduce the available water supply in later summer and early fall; Generally drier surface conditions in summer, again due to increased evaporation rates, and higher temperature could increase the likelihood of wildfire and the threats to water supplies that large fires bring; The more intense precipitation projected to occur during the rainy season could lead to increased erosion and higher turbidity during heavy rainfall events. However, there are no spatial datasets that link these regional projections to changes in water quantity or quality of particular water supplies in the Mid-Coast.

Watershed Health

- Where are the riparian areas?
- What restoration has addressed floodplain function?
  There is not a comprehensive spatial dataset that identifies riparian areas. We do have Oregon Watershed Restoration Inventory (OWRI) data on where riparian restoration projects have been conducted with OWEB funding (and voluntarily reported funding from other sources), but the reporting is not specific to floodplain function improvements.