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Sent: Friday, March 13, 2020 12:31 PM

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Subject: LNG Basin Interim Measure - Materials from Wednesday's meeting

Hi Dana –

Thank you for your time Wednesday to review model simulations and discuss the LNG Basin interim measure. Attached are the materials we shared with you on Webex. We are working on the additional simulations you requested as well as responding to the questions you emailed yesterday. Hope you have a safe and healthy weekend.

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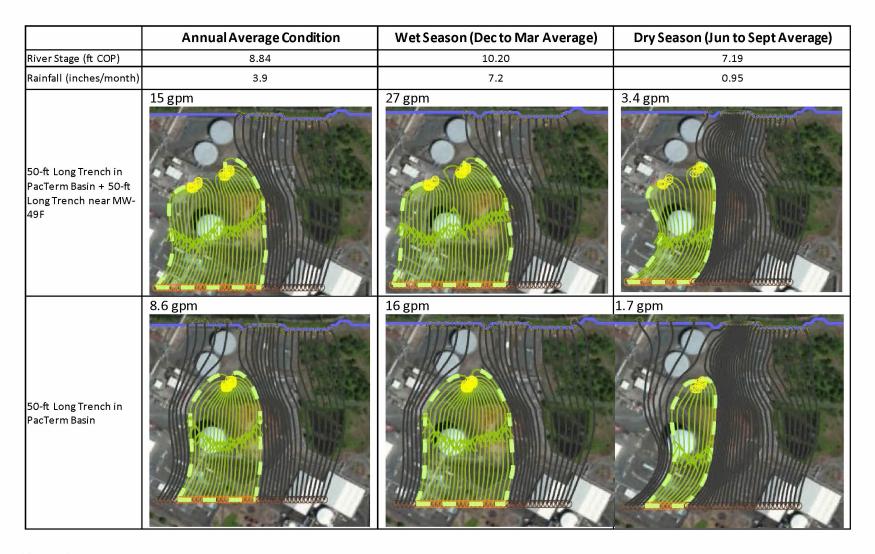


Figure 1a
Simulated Capture Zones for 50-ft Long Trench in PacTerm Basin
LNG Basin Interim Measure
NW Natural Gasco Site

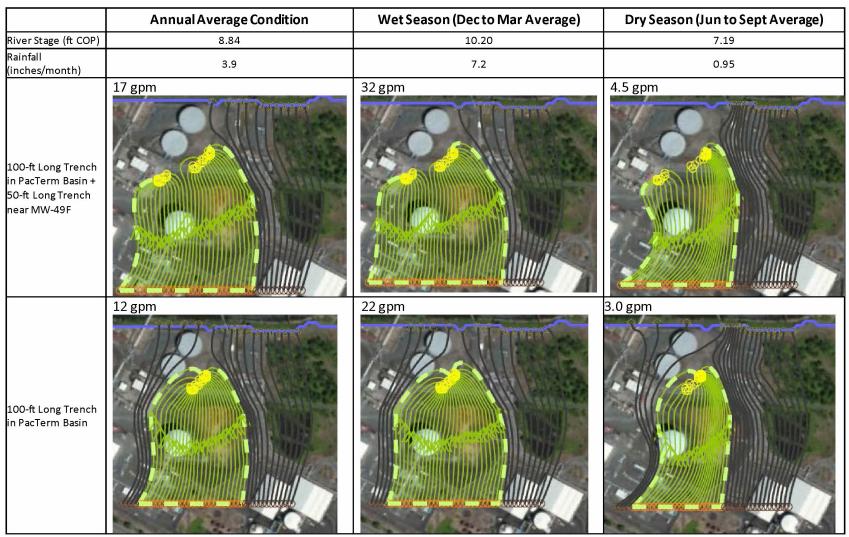


Figure 1b
Simulated Capture Zones for 100-ft Long Trench in PacTerm Basin
LNG Basin Interim Measure
NW Natural Gasco Site

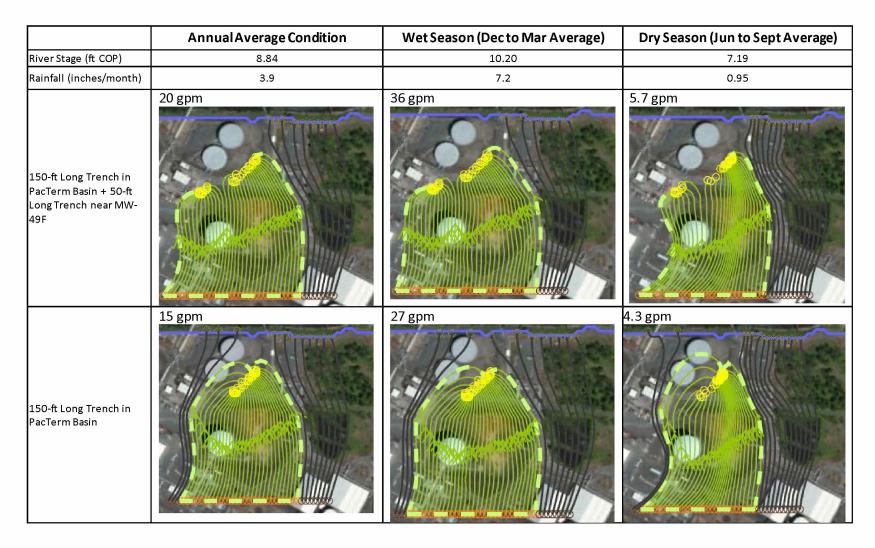


Figure 1c Simulated Capture Zones for 150-ft Long Trench in PacTerm Basin LNG Basin Interim Measure NW Natural Gasco Site

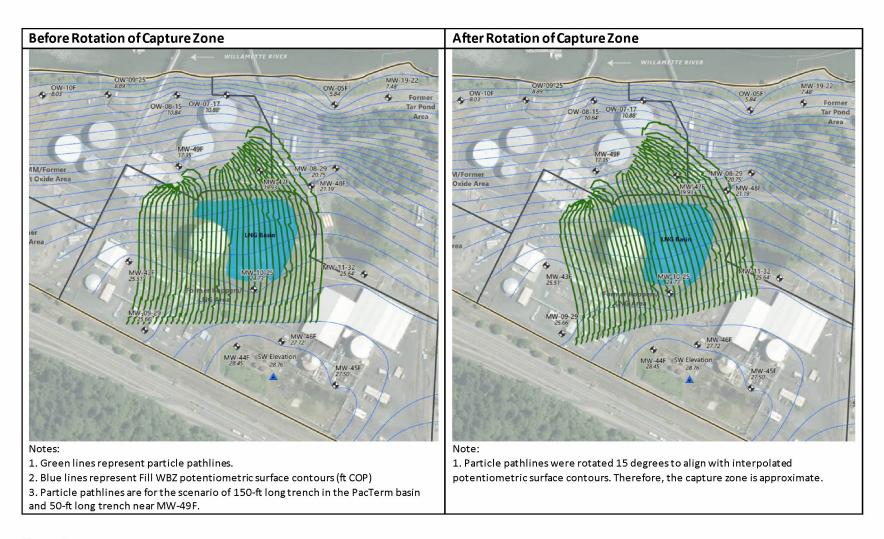
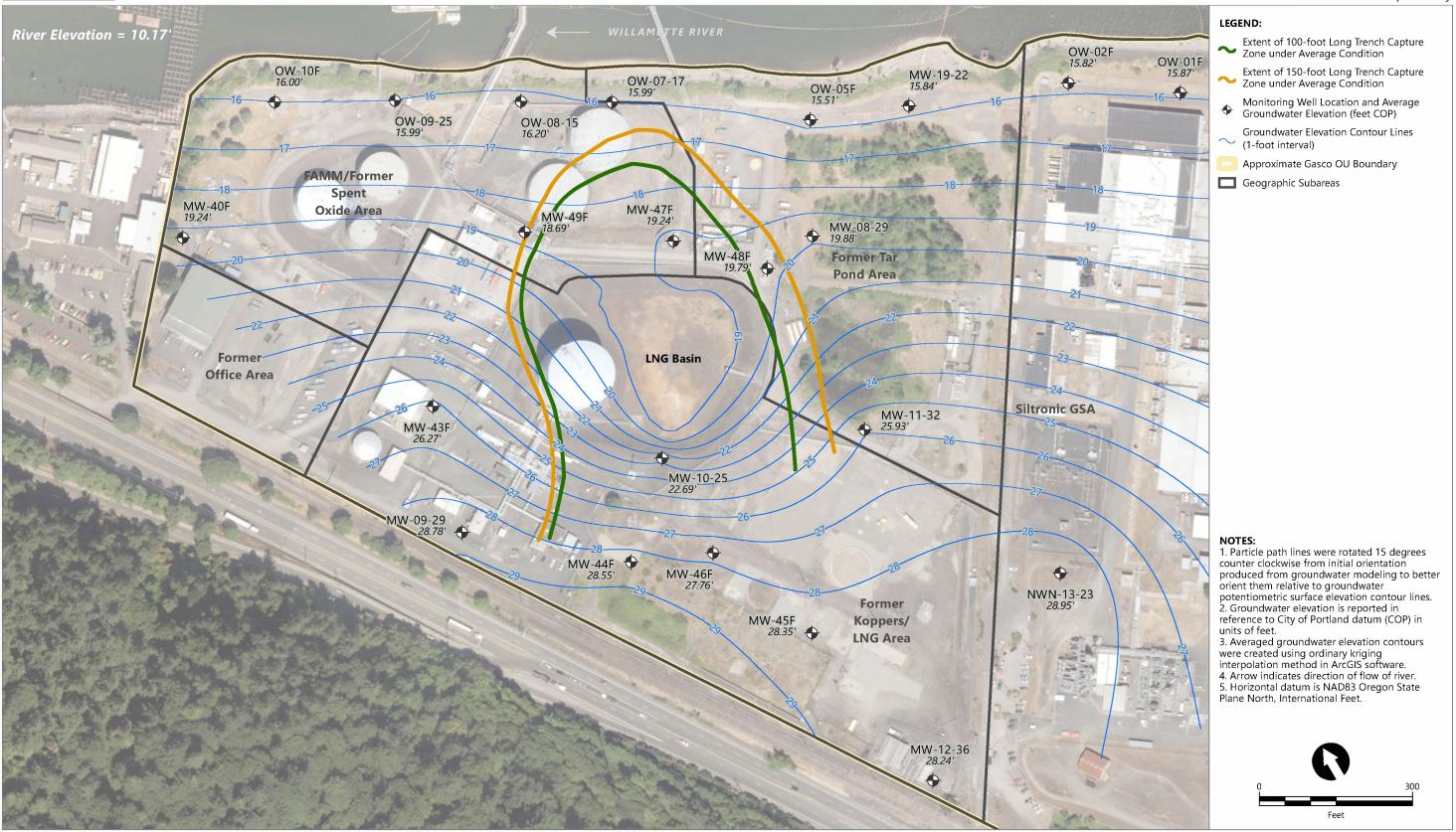


Figure 2
Overlay of Simulated Capture Zone with Fill WBZ Potentiometric Surface Contours
LNG Basin Interim Measure
NW Natural Gasco Site

DRAFT

For Discussion Purposes Only



 $Publish \ Date: 2020/03/13, \ 10:32 \ AM \ | \ User: cgardner \\ Filepath: \ \ Contours_fill_2019_05_LNG_GW_Model_PreLNGRetrofitConditionsComparisonMap.mxd \\ PreLNGRetrofitConditionsComparisonMap.mxd \\ PreLNGRetrofitConditionsComparisonMap.m$



Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for May 2018 and Simulated Particle Path Lines for Pre-LNG Retrofit Conditions with 100- and 150-Foot Trench Options

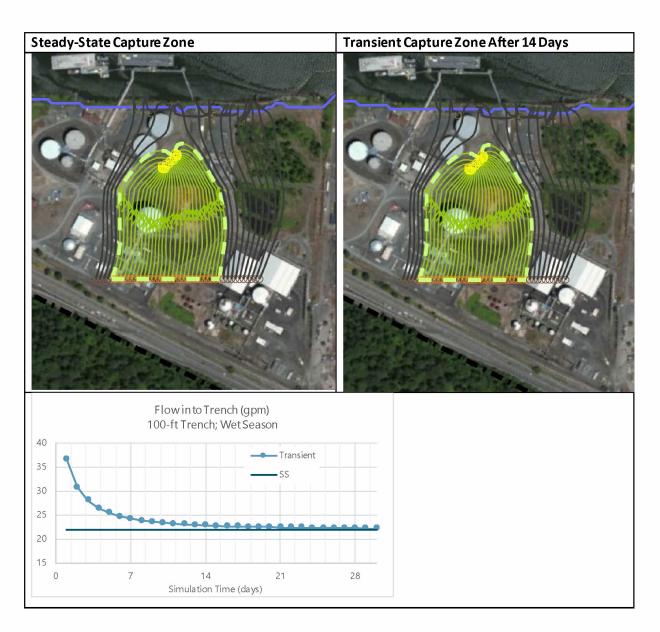


Figure 4
Comparison of Capture Zones (100-ft Long Trench Wet Season)
LNG Basin Interim Measure
NW Natural Gasco Site

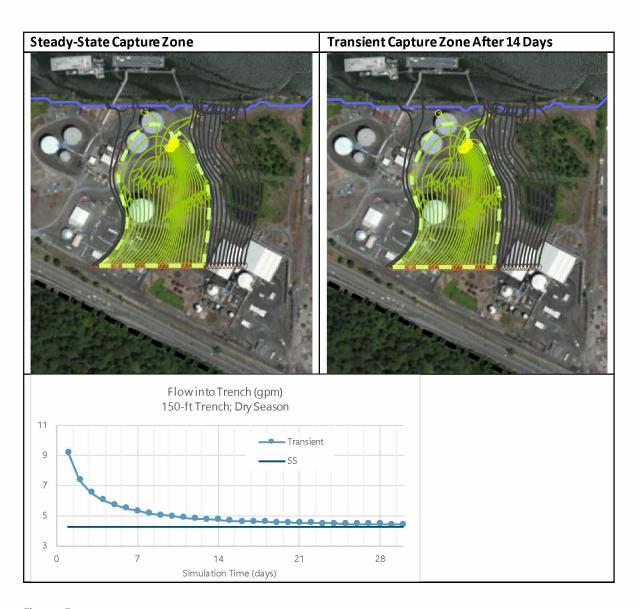


Figure 5
Comparison of Capture Zones (150-ft Long Trench Dry Season)
LNG Basin Interim Measure
NW Natural Gasco Site