

| Site | Good_Estimates | Positive_ER | Positive_Avg_ER | Negative_GPP | Relationship_with_K600 | Biofouling | Model_failed | Notes |
|--------|----------------|----------------------------|-----------------|--------------|------------------------|------------|--------------|--|
| SSS001 | | X | X | | | | | Used to work but it doesn't work anymore. |
| SSS002 | X | | | | X | | Bob | Check scatter dots on model plot |
| SSS003 | X | | | | X | | Bob | Check scatter dots on model plot |
| SSS004 | X | | | | | | | |
| SSS005 | | | | | | X | | |
| SSS006 | X | | | | X | | Bob | Check DO curve, signal seems muted and then increase |
| SSS007 | | X | X | | X | ? | | Very steep site. Check DO for biofouling. Lots of K600 variability |
| SSS008 | X | | | | | | Bob | Check model outputs plots and also some weird DO |
| SSS009 | X | Yes but only a couple days | | | X | | Bob | Check model outputs plots and also some weird DO |
| SSS010 | | X | | | X | | X | High error in the ER and GPP predictions. Seems model could have failed? Why? Maybe try rerunning with orifinal K600 daily sdlog |
| SSS011 | | X | X | | X | ? | | Steep site. K600 varies from 40ish to 300ish. Worked before but not now K600 daily sdlog was not changed |
| SSS012 | X | | | | | | Bob | Check scatter dots on model plot |
| SSS013 | X | | | | | | Bob | Depth from July 25 to Ag 8th was kept constant |
| SSS014 | X | | | | X ER | | | |

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|--------|---|---|---|--|-------|---|-----|--|
| SSS015 | X | | | | X | | | |
| SSS016 | | X | X | | X GPP | ? | | Check biofouling with Bob |
| SSS017 | X | | | | X | | | |
| SSS018 | X | | | | X ER | | | The model fits are good, the sensors might have been moved we can keep the data and just average across deployment time. |
| SSS019 | X | | | | X | | | |
| SSS020 | X | | | | X | | Bob | Check scatter dots on model plot |
| SSS021 | X | | | | X | | | |
| SSS022 | | X | X | | | | Bob | Steep site. Check scatter dots on model plot. Double checking DO curve |
| SSS023 | ? | | | | X | | X | Check scatter dots on model plot. Remove days where DO was weird? |
| SSS024 | X | | | | X | | | Depth from July 25 to Ag 8th was kept constant |
| SSS025 | X | | | | | | Bob | Little blip in model outputs curve, is it to worry about? |
| SSS026 | X | | | | X ER | | | |
| SSS027 | X | | | | X | | Bob | Check scatter dots on model plot |
| SSS028 | | X | X | | | | | Remove the 4ish days where the DO drops a lot and see if there is a weird point THE WHOLE DAY the rerun |
| SSS029 | X | | | | X ER | | | |
| SSS030 | X | | | | X ER | | | |
| SSS031 | X | | | | | | | |
| SSS032 | X | | | | | | Bob | Check scatter dots on model plot |

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|--------|---|---|---|--|------|--|-----|---|
| SSS033 | | X | X | | | | | Used to work but it doesn't work anymore. |
| SSS034 | | X | X | | | | | DO data looks strange. Priors were changed for this run |
| SSS035 | X | | | | | | | |
| SSS036 | X | | | | | | | |
| SSS037 | X | | | | | | Bob | Check scatter dots on model plot |
| SSS038 | | | | | | | X | Site really steep. Model failed Dosat curve looks really bad |
| SSS039 | X | | | | X | | | |
| SSS040 | | X | X | | | | | Tried new pooling but didn't work. This site is very steep |
| SSS041 | | X | X | | | | | It used to give good estimates, not anymore. Try relaxed pooling |
| SSS042 | | X | X | | | | | Tried relaxed pooling but didn't work |
| SSS043 | X | | | | X ER | | | |
| SSS044 | | X | X | | | | | |
| SSS045 | | X | X | | | | | |
| SSS046 | | | | | | | | DO data needs to be cleaned up and model needs to be run again |
| SSS047 | X | | | | | | | |
| SSS048 | | X | | | | | | Used to work but it doesn't work anymore. Can we cut off the last days with positive ER? |