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| **Ventura River (HUC 10)** Find optimal barriers for removal within the watershed using a monetary budget and then a specified number of barriers in the watershed (e.g., 10). **Cost** - 1. Data Portal (Pre-Processing):
* Set *Spatial Organization* to *Watersheds (HUC 10)* or click on ‘Restore’.
* Keep All Other Defaults (e.g., Est. costs included in analysis and species weights turned off.)
* Export and save file name as *Run1a\_InputFile\_DataPortalExport\_HUC10\_EstCostsAllOtherDefaults* which will save this as a \*.txt file.
1. Optipass:
* ***Load Data*** selecting the text file that was created in step 1.
* Set Budget to 1000000 for a budget of $1 Million.
* Set *Spatial Focus* to Ventura River by clicking the *Unselecting All* button and then checking the box next to *Ventura River.*
* Select *Treatment of Downstream Barriers* as ***Non-Adjustable.***
* *Solve*
* *Save* file as *Run1a\_OutputFile\_VenturaRiver\_Budget1Mill\_WatershedTrtOnly*
1. Data Portal (Post-Processing):
* Import data selecting *Run1a\_InputFile\_DataPortalExport\_HUC10\_EstCostsAllOtherDefaults* as your Optipass input file and *Run1a\_OutputFile\_VenturaRiver\_Budget1Mill\_WatershedTrtOnly* as your Optipass output file.
* Review results and look at map of barriers selected for treatment.

**No Cost -** 1. Data Portal (Pre-Processing):
* Ensure that *Spatial Organization* is set to *Watersheds (HUC 10).*
* Set *Barrier Mitigation Costs* to *Unassigned costs*.
* Keep All Other Defaults, e.g. species weights turned off (in *Next ->* tab)
* Export and save file name as *Run1b\_InputFile\_DataPortalExport\_HUC10\_UnassignedCostsAllOtherDefaults* which will save this as a \*.txt file.
1. Optipass:
* ***Load Data*** selecting the text file that was created in step 1.
* Set *Spatial Focus* to Ventura River by clicking the *Unselecting All* button and then checking the box next to *Ventura River.*
* Select *Treatment of Downstream Barriers* as ***Non-Adjustable***
* *Solve*
* *Save* file as *Run1b\_OutputFile\_VenturaRiver\_Budget10barriers\_WatershedTrtOnly*
1. Data Portal (Post-Processing):
* Import data selecting *Run1b\_InputFile\_DataPortalExport\_HUC10\_UnassignedCostsAllOtherDefaults* as your Optipass input file and *Run1b\_OutputFile\_VenturaRiver\_Budget10barriers\_WatershedTrtOnly* as your Optipass output file.
* Review results and look at map of barriers selected for treatment.
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