

Past efforts to look at habitat availability and fish use
in the Mainstem Siletz River during the spring, summer
and fall seasons

Who uses the mainstem Siletz River during these seasons?

Salmon, steelhead trout, cutthroat trout, Pacific lamprey, brook lamprey, and fresh water mussels to name a few.

Juvenile salmonids have a significant presence in the spring and early summer

Adult summer steelhead pass through as well as hold and spawn

Adult chinook pass through, hold, and or spawn

Pacific lamprey adults hold and spawn. Juveniles rear.

Who do we focus most of our time and resources on?

Salmon, steelhead and cutthroat

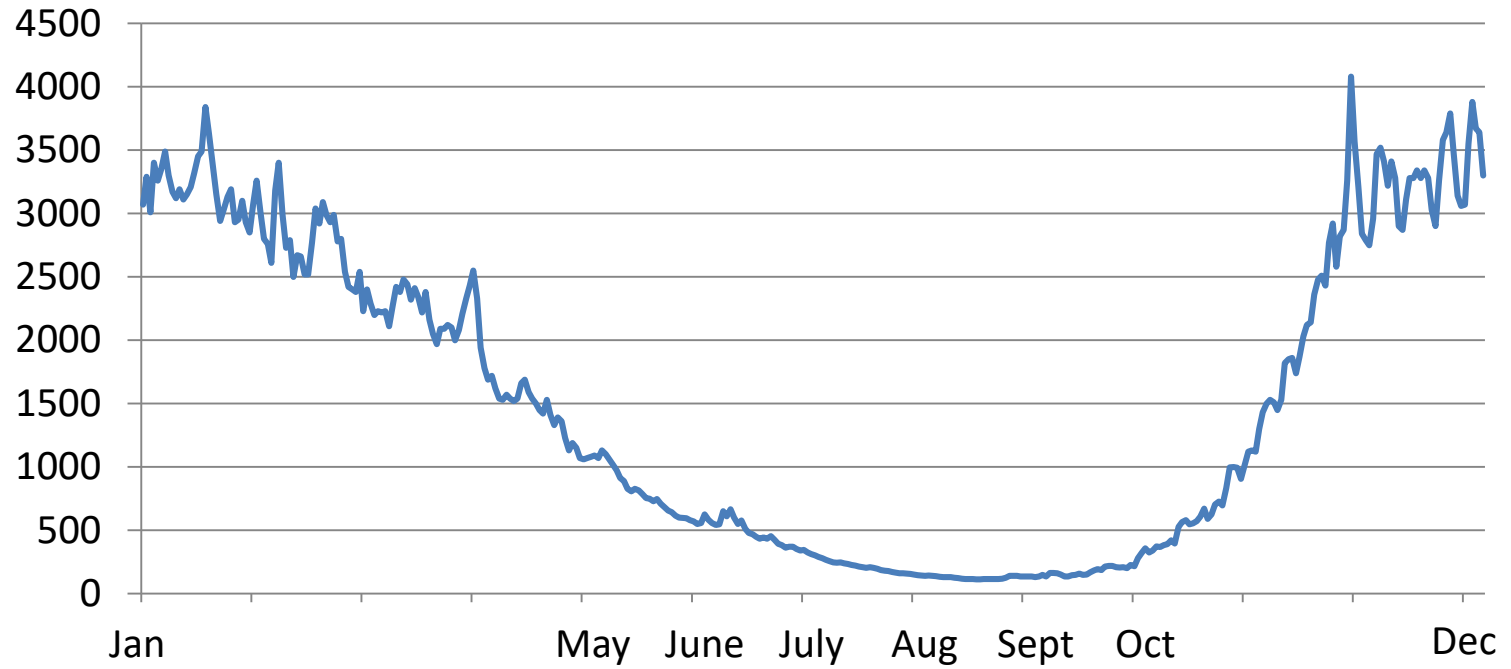
Under current conditions when is the mainstem “most” habitable for adults relative to flow and temperature?

Mid October to Mid June

When would we like the mainstem to be more habitable specific to low flow and temperature?

Mid June through mid October

Mean daily flow (cfs) 1920-2016



Under current conditions when is the mainstem “most” habitable for juveniles relative to flow and temperature?

Mid May to Mid June

When would we like the mainstem to be more habitable specific to flow and temperature?

During our late winter high volume high velocity flow period and during our summer low volume low velocity flow period

During our summer high temperature period

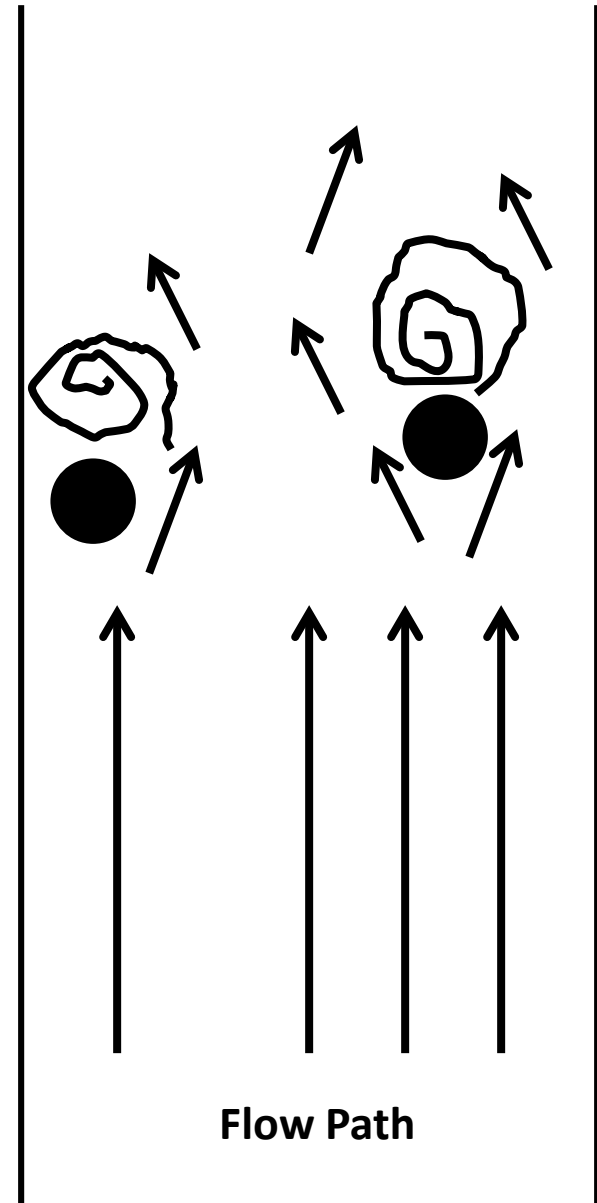
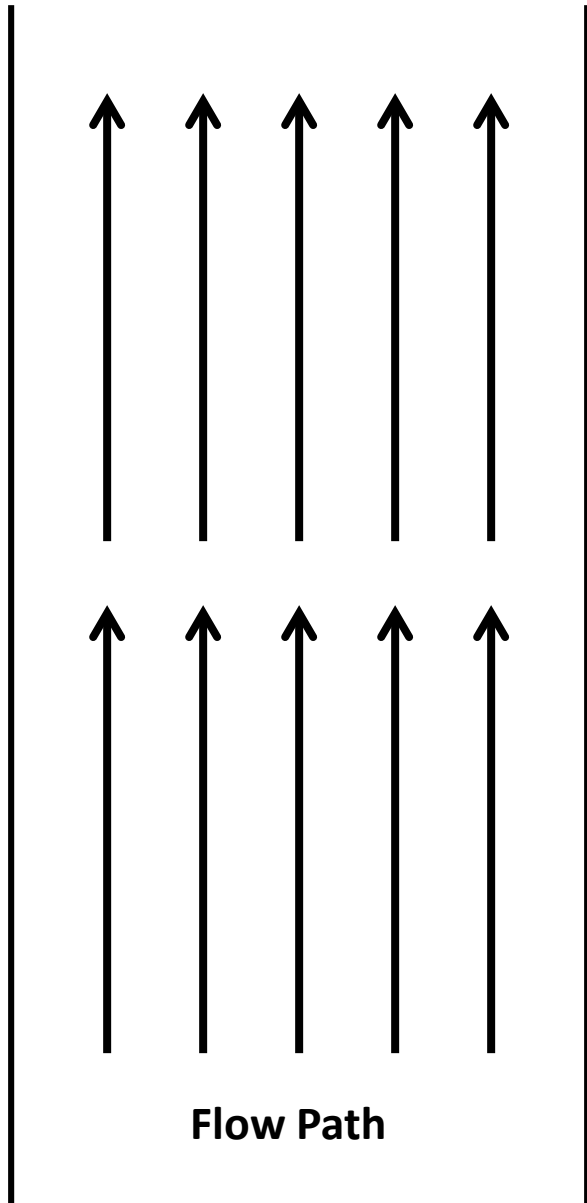
What do we need to make the mainstem more habitable during these seasons?

More complex late winter early spring juvenile rearing habitat
-i.e. logs etc

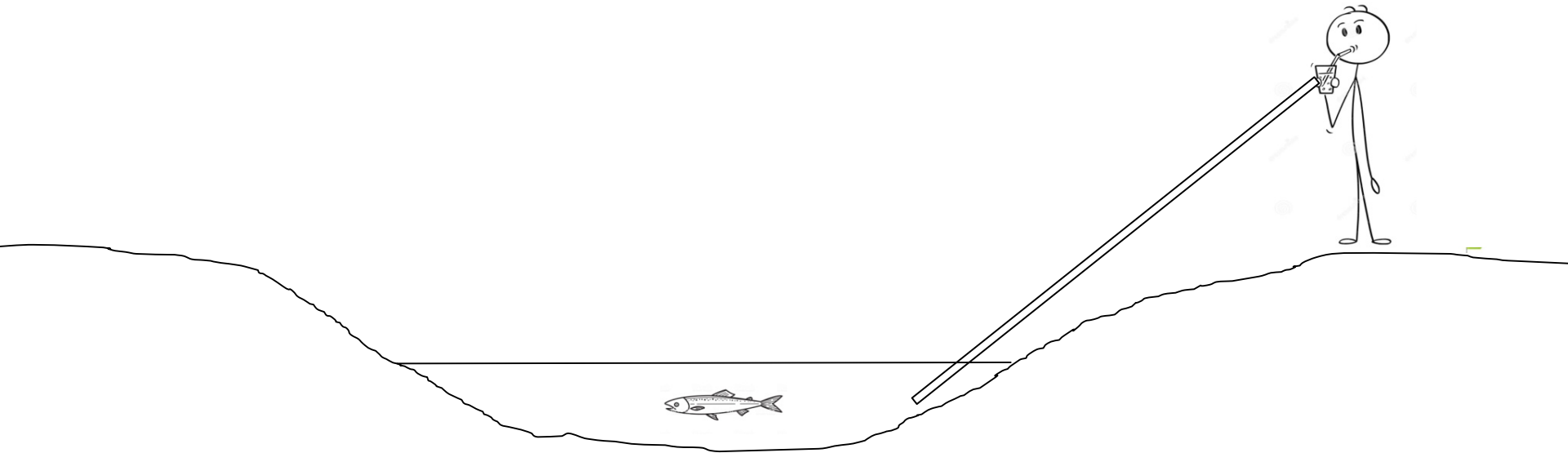
Fewer water withdrawals during the summer season allowing for more flow availability for both adult and juvenile fish

Improved shading on tributary systems to allow the mainstem to be more resilient to variability in climate patterns during the summer and fall seasons

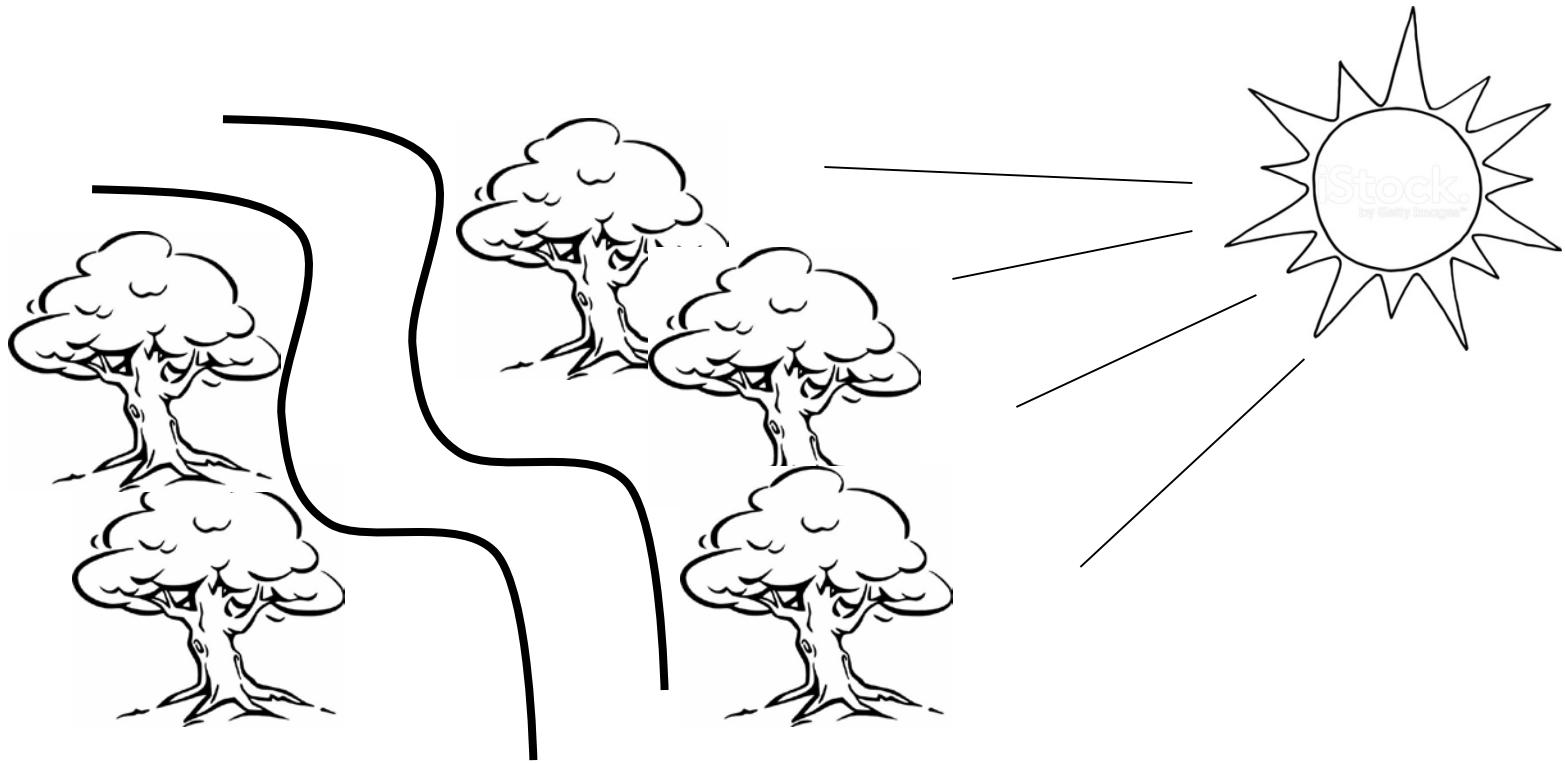
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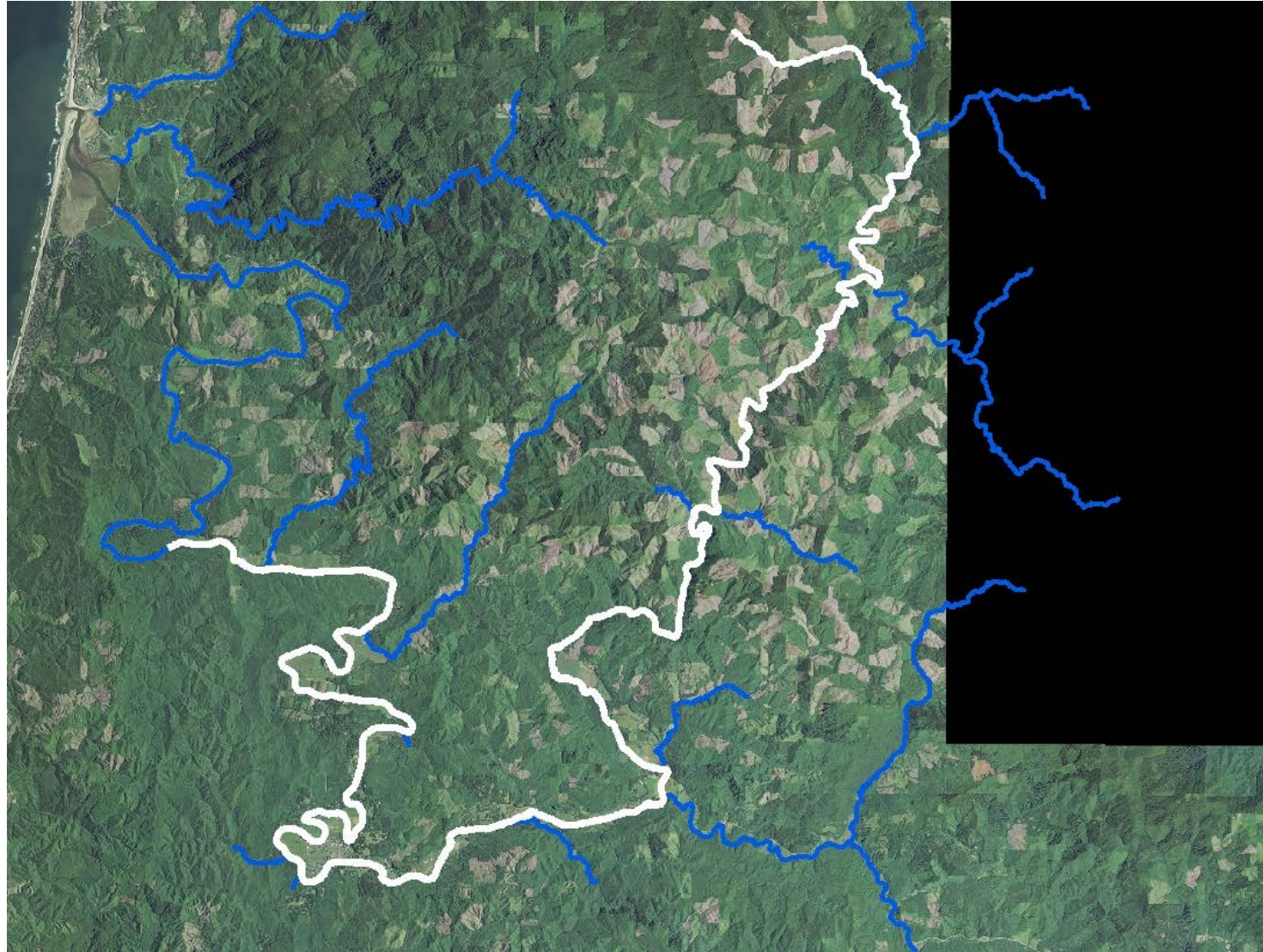


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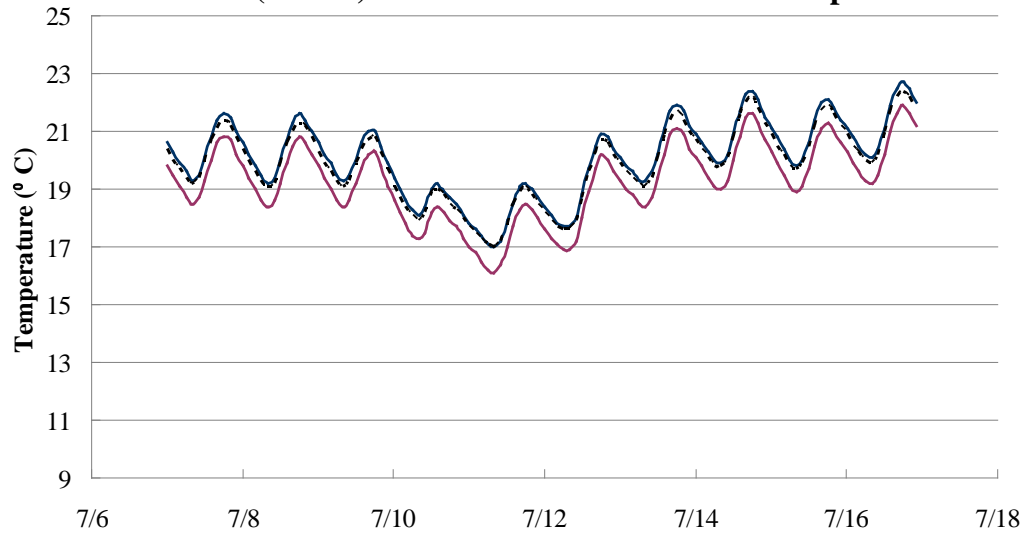


Stop

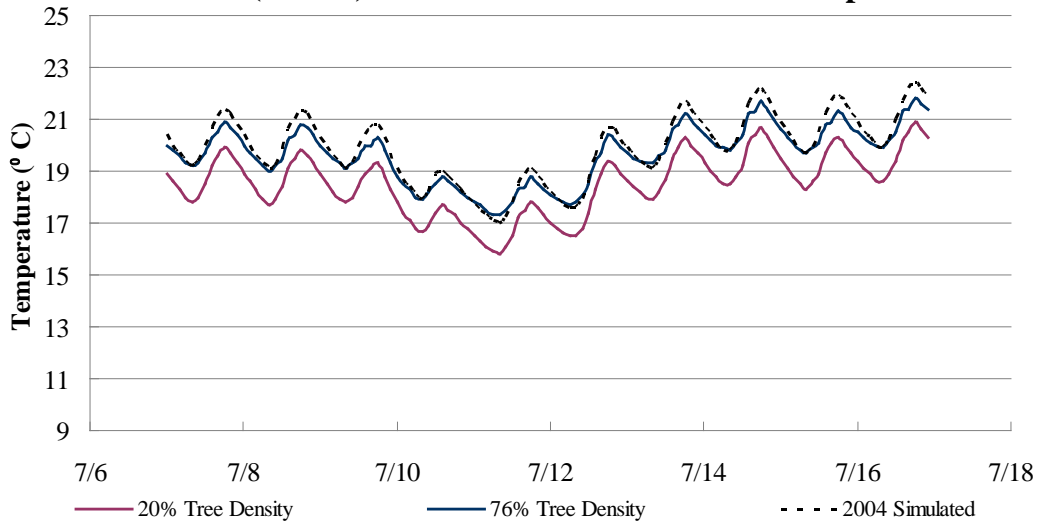
Mainstem Siletz River and Tributary Temperature Modeling Predicted Peak Summer Temperatures 2001 and 2004



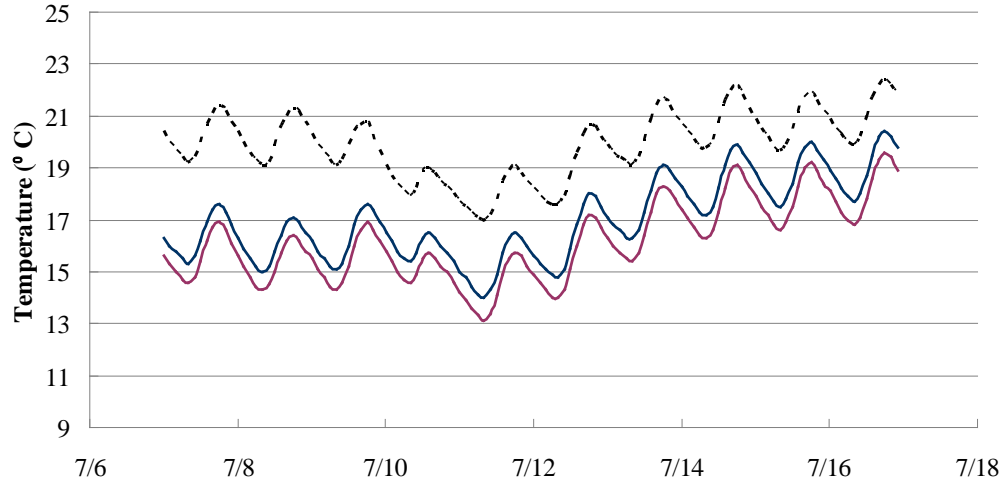
CTSI (node 6) - 50 ft Trees w/ Actual Trib Temps



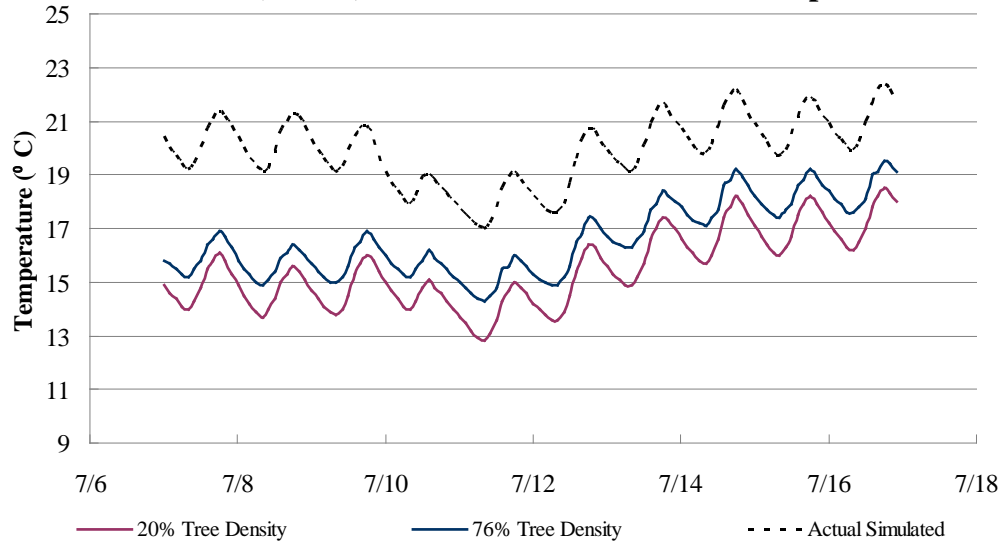
CTSI (node 6) - 150 ft Trees w/Actual Trib Temps



CTSI (node 6)- 50 ft Trees w/ Cold Trib Temps



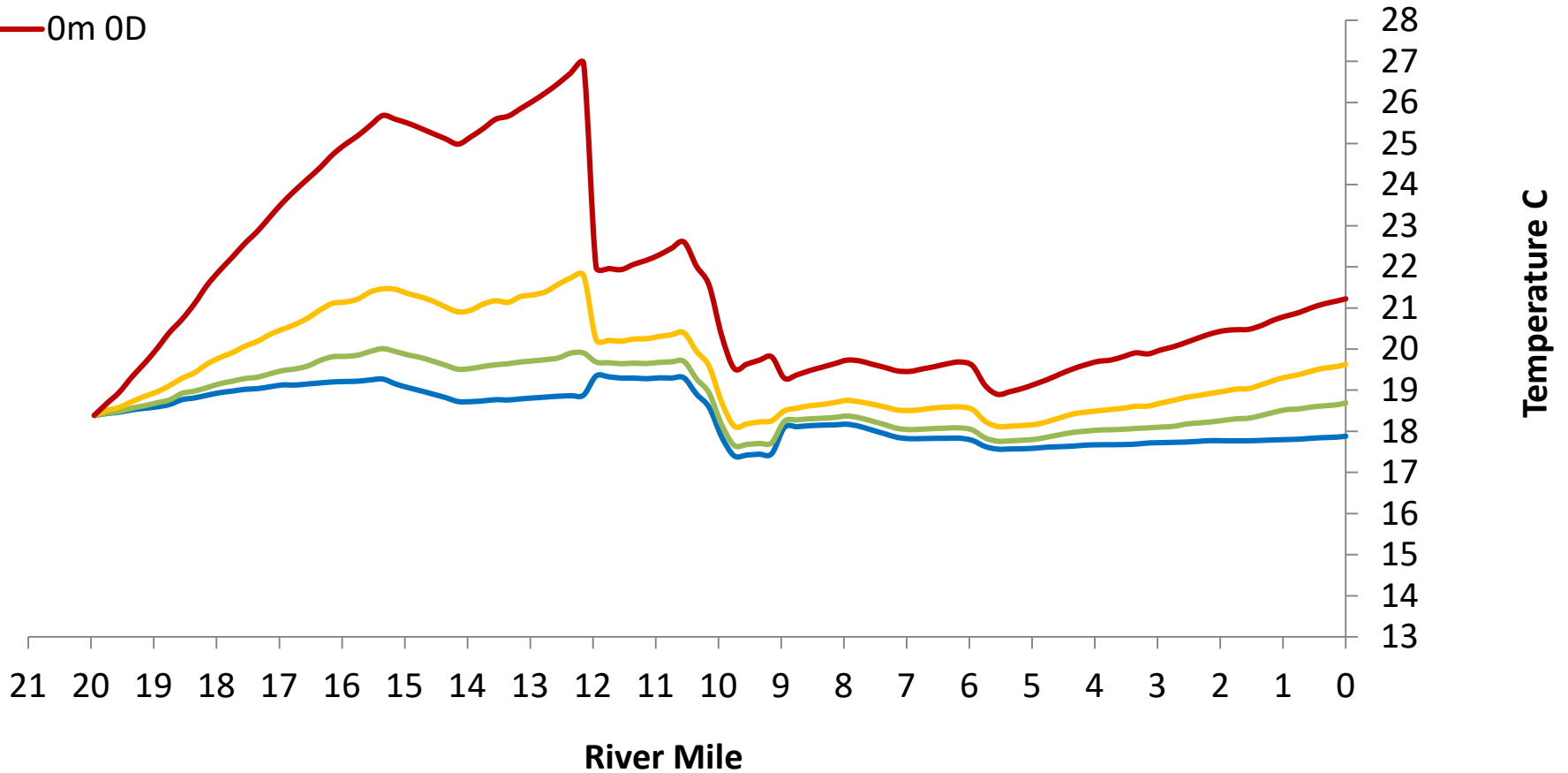
CTSI (node 6) - 150 ft Trees w/ Cold Trib Temps



Rock Creek

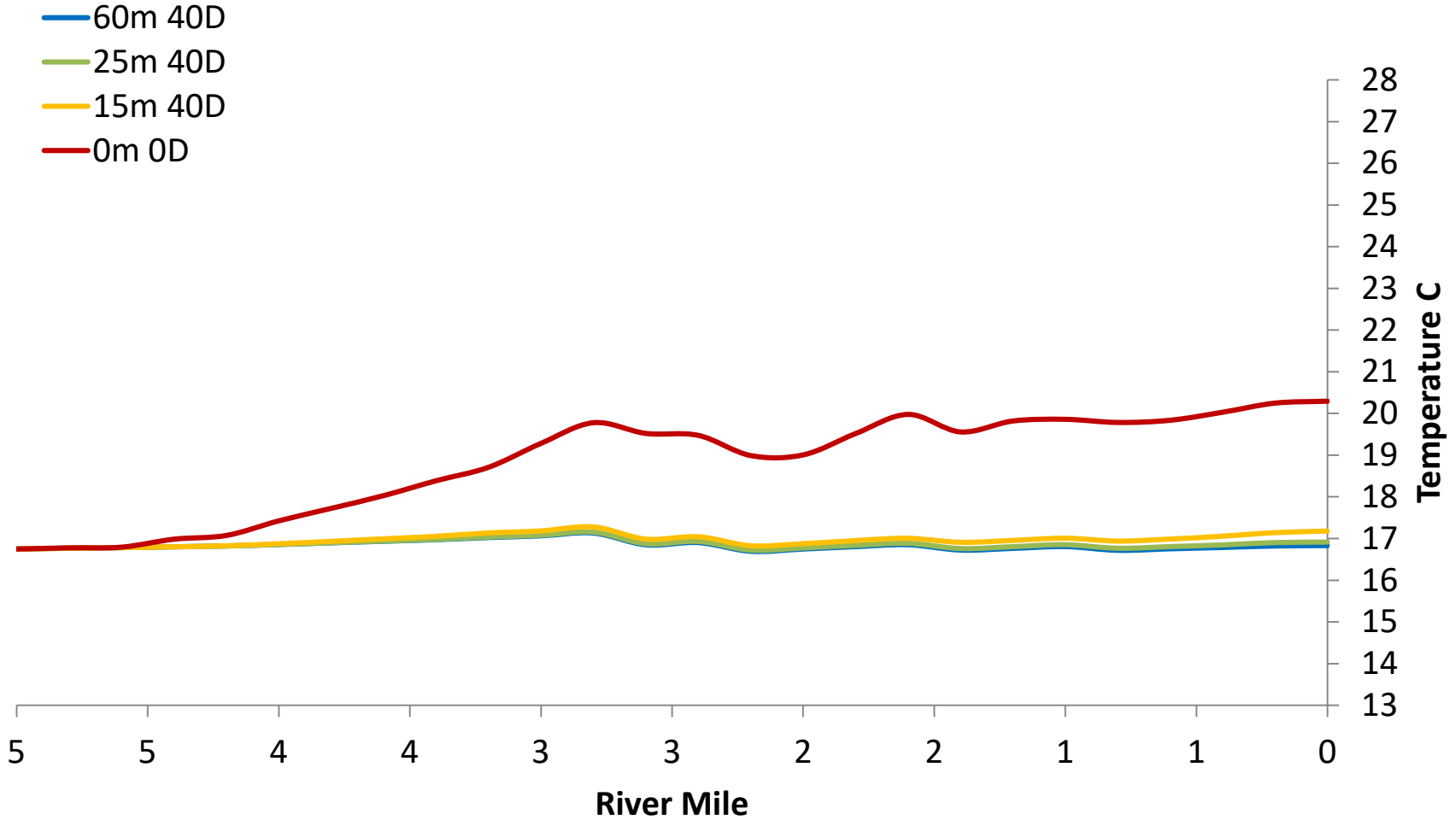
Predicted Peak Summer Water Temperatures With Varying Tree Heights/Shade

- 60m 40D
- 25m 40D
- 15m 40D
- 0m 0D



Sams Creek

Predicted Peak Summer Water Temperatures With Varying Tree Heights/Shade



Euchre Creek

Predicted Peak Summer Water Temperatures With Varying Tree Heights/Shade

- 60m 40D
- 25m 40D
- 15m 40D
- 0m 0D

