

# Memorandum

April 11, 2019

To: John Palmer, R10EPA

From: Peter Leinenbach, R10EPA

**Subject:** Predicted maximum temperature using the NorWeST model in 12 primary cold water tributaries and 2 “restore” tributaries

---

Modeled water temperature data was obtained from the USFS NorWeST project website ([www.fs.fed.us/rm/boise/AWAE/projects/NorWeST/ModeledStreamTemperatureScenarioMaps.shtml](http://www.fs.fed.us/rm/boise/AWAE/projects/NorWeST/ModeledStreamTemperatureScenarioMaps.shtml)). Using GIS, average monthly August stream temperature and maximum weekly maximum temperature (MWMT) databases downloaded from this website were sampled for stream temperature conditions at the mouths of the several tributaries draining into the Columbia River (**Table 1**).

Tributary Name	Tributary Temperature (*C)	
	August Mean	MWMT
Cowlitz River	16.0	21.0
Lewis River	16.6	20.8
Sandy River	18.8	23.6
Tanner Creek	11.7	14.5
Eagle Creek	15.1	18.8
Herman Creek	12.0	13.7
Wind River	14.5	18.3
Little White Salmon River	13.3	15.6
White Salmon River	15.7	19.6
Hood River	15.5	19.1
Klickitat River	16.4	20.5
15-Mile Creek	19.2	26.2
Deschutes River	19.2	26.9
Umatilla River	20.8	27.3