



**REGION 10**

SEATTLE, WA 98101

September 12, 2024

Mr. Steve Mrazik, Manager  
Watershed Management  
Oregon Department of Environmental Quality  
700 NE Multnomah Street, Suite 600  
Portland, Oregon 97232-4100

Dear Mr. Mrazik:

The U.S. Environmental Protection Agency has completed its Clean Water Act review of the Temperature Total Maximum Daily Load for the Willamette Subbasins, submitted by the Oregon Department of Environmental Quality on August 7, 2024. ODEQ sent the EPA a revised TMDL submittal letter on September 10, 2024, clarifying the scope of the Category 5 listed assessment units addressed by the Willamette Subbasins TMDL document submitted for the EPA's review. The Willamette Subbasins TMDLs address temperature impairments in ten subbasins (HUC8) within the Willamette Basin. The EPA recognizes that certain temperature impaired waters located within the subbasins were excluded because they are being addressed by the Willamette River Mainstem and Major Tributaries TMDL project. The assessment units addressed by this TMDL project total 236 unique waterbody segments, each of which is identified as impaired on ODEQ's 2022 303(d) list for one or more fish and aquatic life uses, as identified in Attachment 1, Table 1.

The EPA is approving the TMDLs that address the 298 impairments on these 236 assessment units. The Willamette Subbasins TMDL project meets the statutory and regulatory requirements found in section 303(d) of the CWA and the EPA's implementing regulations at 40 C.F.R Part 130. The EPA's review indicates that the allocations have been established at levels that, when fully implemented, will lead to attainment of applicable water quality standards. As such, ODEQ does not need to include these waters on the next 303(d) list of impaired waters for temperature.

The Willamette Subbasins TMDL document contains watershed-based TMDLs that also address sources of thermal loading to 677 unimpaired and unassessed waterbodies within the ten subbasins comprising the Willamette Subbasins TMDL project area. Wasteload allocations and loading capacity and load allocation calculations are included for all unimpaired and unassessed waterbodies. It is not an automatic process to move assessment units into category 4a if future impairments are identified; therefore, the EPA expects Oregon to provide supplemental information for any assessment units identified as impaired in the future that Oregon wishes to cover under this TMDL project, particularly if a translation of a narrative criterion is needed to identify the loading capacity.

ODEQ's submittal also includes a protection plan for the unlisted and assessed waters, and a Water Quality Management Plan, which is an implementation plan for the TMDLs. As you know, the EPA has no duty to approve or disapprove protection plans or implementation plans under section 303(d) of the CWA; therefore, the EPA is taking no action on the protection plan or WQMP. The EPA's review of the protection plan elements within the Willamette Subbasins TMDL submittal will be documented via a separate process. Implementation is the critical next step to improve water quality, and the EPA encourages ODEQ to continue its work with responsible parties to implement the WQMP.

The EPA appreciates the work of Ryan Michie, Jim Bloom, and Michele Martin in developing and completing the Willamette Subbasins Temperature TMDL project. The EPA also appreciates the continued cooperation by ODEQ as we work towards the common goal of addressing impaired waters in the State of Oregon. By the EPA's approval action, the temperature TMDLs in the Willamette Subbasins are now incorporated into the State's WQMP under section 303(e) of the CWA.

If you have any comments or questions on this agency action, please feel free to call me at (206) 553-0171 or have your staff contact Lisa Kusnierz at (208) 378-5626 or by email at [kusnierz.lisa@epa.gov](mailto:kusnierz.lisa@epa.gov).

Sincerely,

HANH  
SHAW

Digitally signed by HANH  
SHAW  
Date: 2024.09.12  
10:14:01 -07'00'

Hanh Shaw, Manager

Standards, Assessment, and Watershed Management  
Branch

Enclosures

1. Category 5 Listed Assessment Units Addressed by the Willamette Subbasins Temperature TMDL

cc: Ryan Michie, ODEQ ([ryan.michie@deq.oregon.gov](mailto:ryan.michie@deq.oregon.gov))

Michele Martin, ODEQ ([michele.martin@deq.oregon.gov](mailto:michele.martin@deq.oregon.gov))

Enclosure 1: Category 5 Listed AUs addressed by the Willamette Subbasins Temperature TMDL project

<b>AU_ID</b>	<b>AU_Name</b>	<b>2022 IR Year-Round Temperature Category Status</b>	<b>2022 IR Spawning Temperature Category Status</b>
OR_LK_1709000105_02_100684	Packard Creek	5	NA
OR_LK_1709000109_02_100701	Fall Creek Lake	5	Unassessed
OR_LK_1709000202_02_100705	Dorena Lake	5	NA
OR_LK_1709000603_02_100771	Green Peter Lake	5	Unassessed
OR_LK_1709000604_02_100772	Foster Lake	5	Unassessed
OR_LK_1709000902_02_100830	Zollner Creek	5	NA
OR_SR_1709000101_02_103713	Middle Fork Willamette River	5	Unassessed
OR_SR_1709000102_02_103715	Hills Creek	5	5
OR_SR_1709000103_02_103716	Salt Creek	5	5
OR_SR_1709000104_02_103719	Salmon Creek	5	5
OR_SR_1709000105_02_104578	Packard Creek	5	NA
OR_SR_1709000105_02_104579	Middle Fork Willamette River	5	Unassessed
OR_SR_1709000105_02_104580	Middle Fork Willamette River	5	5
OR_SR_1709000106_02_103721	North Fork Middle Fork Willamette River	5	5
OR_SR_1709000106_02_103722	Christy Creek	2	5
OR_SR_1709000106_02_103723	North Fork Middle Fork Willamette River	5	Unassessed
OR_SR_1709000107_02_103725	Middle Fork Willamette River	5	5
OR_SR_1709000107_02_103727	Lost Creek	5	5
OR_SR_1709000107_02_103728	Lost Creek	5	5
OR_SR_1709000108_02_103730	Little Fall Creek	5	5
OR_SR_1709000109_02_103734	Hehe Creek	5	Unassessed
OR_SR_1709000109_02_103736	Fall Creek	5	5
OR_SR_1709000109_02_103737	Fall Creek	5	5
OR_SR_1709000109_02_103738	North Fork Winberry Creek	5	NA
OR_SR_1709000109_02_103741	Portland Creek	5	Unassessed
OR_SR_1709000109_02_103742	Logan Creek	5	NA
OR_SR_1709000109_02_103743	Fall Creek	5	5
OR_SR_1709000109_02_103744	Portland Creek	5	NA
OR_SR_1709000109_02_103745	South Fork Winberry Creek	5	NA
OR_SR_1709000109_02_103747	Winberry Creek	5	5
OR_SR_1709000110_02_103749	Hills Creek	5	Unassessed
OR_SR_1709000201_02_103752	Mosby Creek	5	5
OR_SR_1709000202_02_103755	Sharps Creek	5	NA
OR_SR_1709000202_02_103756	Martin Creek	5	NA

AU_ID	AU_Name	2022 IR Year-Round Temperature Category Status	2022 IR Spawning Temperature Category Status
OR_SR_1709000202_02_103761	Row River	5	NA
OR_SR_1709000202_02_103765	Layng Creek	5	NA
OR_SR_1709000202_02_103766	Row River	5	NA
OR_SR_1709000202_02_103771	Brice Creek	5	NA
OR_SR_1709000202_02_103775	Sharps Creek	5	NA
OR_SR_1709000202_02_103776	Sharps Creek	5	NA
OR_SR_1709000203_02_104586	Coast Fork Willamette River	5	NA
OR_SR_1709000301_02_103790	Ferguson Creek	5	NA
OR_SR_1709000301_02_103796	Coyote Creek	5	NA
OR_SR_1709000302_02_103804	Marys River	5	NA
OR_SR_1709000302_02_103806	Muddy Creek	5	NA
OR_SR_1709000302_02_103812	Marys River	5	NA
OR_SR_1709000302_02_103813	Marys River	5	NA
OR_SR_1709000303_02_103815	Calapooia River	5	5
OR_SR_1709000303_02_103816	Calapooia River	5	5
OR_SR_1709000303_02_103819	Courtney Creek	5	NA
OR_SR_1709000304_02_103821	Calapooia River	5	Unassessed
OR_SR_1709000305_02_103822	Little Luckiamute River	5	Unassessed
OR_SR_1709000305_02_103824	Teal Creek	5	Unassessed
OR_SR_1709000305_02_103825	Miller Creek	5	Unassessed
OR_SR_1709000305_02_103828	North Fork Pedee Creek	5	Unassessed
OR_SR_1709000305_02_103829	Luckiamute River	5	Unassessed
OR_SR_1709000305_02_103832	Soap Creek	5	NA
OR_SR_1709000305_02_103833	Ritner Creek	5	NA
OR_SR_1709000306_02_103838	Muddy Creek	5	NA
OR_SR_1709000401_02_103855	Horse Creek	5	Unassessed
OR_SR_1709000401_02_103856	Horse Creek	5	Unassessed
OR_SR_1709000403_02_103862	French Pete Creek	5	NA
OR_SR_1709000403_02_103865	Augusta Creek	5	NA
OR_SR_1709000403_02_104590	South Fork McKenzie River	5	5
OR_SR_1709000404_02_104569	Lower Blue River	5	5
OR_SR_1709000404_02_104571	Lookout Creek	5	NA
OR_SR_1709000404_02_104574	Upper Blue River	5	NA
OR_SR_1709000404_02_104576	Quentin Creek	5	NA
OR_SR_1709000404_02_104577	Upper Blue River	5	NA
OR_SR_1709000405_02_103866	McKenzie River	5	5
OR_SR_1709000405_02_103867	Quartz Creek	5	3
OR_SR_1709000406_02_103870	Mohawk River	5	5
OR_SR_1709000406_02_103871	Mohawk River	5	5

<b>AU_ID</b>	<b>AU_Name</b>	<b>2022 IR Year-Round Temperature Category Status</b>	<b>2022 IR Spawning Temperature Category Status</b>
OR_SR_1709000406_02_103872	Shotgun Creek	5	Unassessed
OR_SR_1709000406_02_103873	Mill Creek	5	Unassessed
OR_SR_1709000406_02_103874	Mill Creek	5	Unassessed
OR_SR_1709000406_02_103875	Cartwright Creek	5	5
OR_SR_1709000406_02_103877	Mohawk River	5	5
OR_SR_1709000406_02_103879	McGowan Creek	5	5
OR_SR_1709000407_02_103882	Deer Creek	5	5
OR_SR_1709000407_02_103884	McKenzie River	5	5
OR_SR_1709000407_02_103889	Camp Creek	5	5
OR_SR_1709000407_02_103891	Cedar Creek	5	5
OR_SR_1709000502_02_103902	Boulder Creek	5	NA
OR_SR_1709000503_02_103907	Blowout Creek	5	NA
OR_SR_1709000503_02_103909	Blowout Creek	5	NA
OR_SR_1709000505_02_103923	Elkhorn Creek	5	Unassessed
OR_SR_1709000505_02_104564	Little North Santiam River	5	5
OR_SR_1709000506_02_103926	Chehulpum Creek	5	NA
OR_SR_1709000506_02_103928	Bear Branch	5	NA
OR_SR_1709000506_02_103929	Stout Creek	5	Unassessed
OR_SR_1709000601_02_103934	Middle Santiam River	5	NA
OR_SR_1709000601_02_103935	Pyramid Creek	5	NA
OR_SR_1709000601_02_103936	Middle Santiam River	5	NA
OR_SR_1709000601_02_103938	Middle Santiam River	5	NA
OR_SR_1709000602_02_103941	Owl Creek	5	Unassessed
OR_SR_1709000602_02_103942	Trout Creek	5	Unassessed
OR_SR_1709000602_02_103947	Soda Fork	5	Unassessed
OR_SR_1709000602_02_103948	Two Girls Creek	5	Unassessed
OR_SR_1709000602_02_103949	Canyon Creek	5	Unassessed
OR_SR_1709000602_02_103950	South Santiam River	5	5
OR_SR_1709000602_02_103953	Sheep Creek	5	NA
OR_SR_1709000602_02_103954	Moose Creek	5	5
OR_SR_1709000602_02_103955	Latiwi Creek	5	NA
OR_SR_1709000603_02_103957	Quartzville Creek	5	NA
OR_SR_1709000603_02_103960	Quartzville Creek	5	NA
OR_SR_1709000603_02_103965	Middle Santiam River	5	NA
OR_SR_1709000604_02_103968	South Santiam River	5	5
OR_SR_1709000604_02_103969	Middle Santiam River	2	5
OR_SR_1709000605_02_103971	Wiley Creek	5	5
OR_SR_1709000605_02_103972	Wiley Creek	5	5
OR_SR_1709000606_02_103973	Beaver Creek	5	NA
OR_SR_1709000606_02_103978	Crabtree Creek	5	5

<b>AU_ID</b>	<b>AU_Name</b>	<b>2022 IR Year-Round Temperature Category Status</b>	<b>2022 IR Spawning Temperature Category Status</b>
OR_SR_1709000607_02_103985	South Fork Neal Creek	5	NA
OR_SR_1709000607_02_103986	Bilyeu Creek	5	Unassessed
OR_SR_1709000607_02_103988	Thomas Creek	5	NA
OR_SR_1709000607_02_103989	Bilyeu Creek	5	Unassessed
OR_SR_1709000607_02_103991	Thomas Creek	5	5
OR_SR_1709000608_02_103993	Hamilton Creek	5	5
OR_SR_1709000608_02_103994	McDowell Creek	5	Unassessed
OR_SR_1709000608_02_103996	Hamilton Creek	5	5
OR_SR_1709000608_02_103997	Scott Creek	5	Unassessed
OR_SR_1709000701_02_104591	Rickreall Creek	5	Unassessed
OR_SR_1709000703_02_104007	Mill Creek	5	5
OR_SR_1709000703_02_104008	Shelton Ditch	5	5
OR_SR_1709000703_02_104012	Pringle Creek	5	Unassessed
OR_SR_1709000704_02_104017	Abernethy Creek	5	Unassessed
OR_SR_1709000704_02_104594	Abernethy Creek	5	Unassessed
OR_SR_1709000901_02_104062	Abiqua Creek	5	Unassessed
OR_SR_1709000901_02_104066	South Fork Silver Creek	5	NA
OR_SR_1709000901_02_104067	Pudding River	5	3
OR_SR_1709000901_02_104069	Drift Creek	5	5
OR_SR_1709000901_02_104595	Silver Creek	5	2
OR_SR_1709000902_02_104070	Butte Creek	5	Unassessed
OR_SR_1709000902_02_104072	Butte Creek	5	2
OR_SR_1709000904_02_104086	Molalla River	5	5
OR_SR_1709000904_02_104087	Table Rock Fork	5	5
OR_SR_1709000905_02_104088	Pudding River	5	NA
OR_SR_1709001101_02_104142	Collawash River	5	5
OR_SR_1709001101_02_104144	Collawash River	5	3B
OR_SR_1709001101_02_104145	Nohorn Creek	5	5
OR_SR_1709001104_02_104152	North Fork Clackamas River	5	Unassessed
OR_SR_1709001104_02_104154	Clackamas River	5	5
OR_SR_1709001104_02_104155	Clackamas River	5	5
OR_SR_1709001104_02_104156	Fish Creek	5	Unassessed
OR_SR_1709001104_02_104157	Trout Creek	5	Unassessed
OR_SR_1709001104_02_104160	Roaring River	2	5
OR_SR_1709001104_02_104161	Fish Creek	5	5
OR_SR_1709001105_02_104163	Eagle Creek	5	5
OR_SR_1709001105_02_104165	North Fork Eagle Creek	5	Unassessed
OR_SR_1709001201_02_104170	Johnson Creek	5	5
OR_SR_1709001203_02_104176	Milton Creek	5	5

AU_ID	AU_Name	2022 IR Year-Round Temperature Category Status	2022 IR Spawning Temperature Category Status
OR_SR_1709001203_02_104179	North Scappoose Creek	5	5
OR_SR_1709001203_02_104180	South Scappoose Creek	5	5
OR_WS_170900010102_02_104186	HUC12 Name: Tumblebug Creek	5	Unassessed
OR_WS_170900010105_02_104189	HUC12 Name: Staley Creek	5	Unassessed
OR_WS_170900010106_02_104190	HUC12 Name: Echo Creek-Middle Fork Willamette River	5	Unassessed
OR_WS_170900010202_02_104192	HUC12 Name: Lower Hills Creek	5	NA
OR_WS_170900010302_02_104194	HUC12 Name: Middle Salt Creek	5	Unassessed
OR_WS_170900010303_02_104195	HUC12 Name: Lower Salt Creek	5	5
OR_WS_170900010402_02_104197	HUC12 Name: Upper Salmon Creek	5	Unassessed
OR_WS_170900010403_02_104198	HUC12 Name: Lower Salmon Creek	5	Unassessed
OR_WS_170900010501_02_104199	HUC12 Name: Coal Creek	5	Unassessed
OR_WS_170900010502_02_104200	HUC12 Name: Buck Creek-Middle Fork Willamette River	5	Unassessed
OR_WS_170900010503_02_104201	HUC12 Name: Packard Creek-Middle Fork Willamette River	5	Unassessed
OR_WS_170900010505_02_104202	HUC12 Name: Gray Creek-Middle Fork Willamette River	5	NA
OR_WS_170900010607_02_104209	HUC12 Name: Eighth Creek-North Fork Middle Fork Willamette River	5	Unassessed
OR_WS_170900010608_02_104210	HUC12 Name: Dartmouth Creek-North Fork Middle Fork Willamette River	5	NA
OR_WS_170900010701_02_104211	HUC12 Name: Deception Creek-Middle Fork Willamette River	5	Unassessed
OR_WS_170900010702_02_104212	HUC12 Name: Lost Creek	5	Unassessed
OR_WS_170900010703_02_104213	HUC12 Name: Dexter Reservoir-Middle Fork Willamette River	5	NA
OR_WS_170900010901_02_104216	HUC12 Name: Delp Creek-Fall Creek	5	Unassessed
OR_WS_170900010904_02_104219	HUC12 Name: Andy Creek-Fall Creek	5	Unassessed

<b>AU_ID</b>	<b>AU_Name</b>	<b>2022 IR Year-Round Temperature Category Status</b>	<b>2022 IR Spawning Temperature Category Status</b>
OR_WS_170900010905_02_104220	HUC12 Name: Winberry Creek	5	Unassessed
OR_WS_170900020203_02_104229	HUC12 Name: Sharps Creek	5	NA
OR_WS_170900020204_02_104230	HUC12 Name: King Creek-Row River	5	NA
OR_WS_170900020401_02_104238	HUC12 Name: Hill Creek-Coast Fork Willamette River	5	Unassessed
OR_WS_170900030109_02_104251	HUC12 Name: Bear Creek-Long Tom River	5	NA
OR_WS_170900030204_02_104256	HUC12 Name: Greasy Creek	5	NA
OR_WS_170900030301_02_104264	HUC12 Name: Hands Creek-Calapooia River	5	5
OR_WS_170900030302_02_104265	HUC12 Name: Bigs Creek-Calapooia River	5	Unassessed
OR_WS_170900030402_02_104273	HUC12 Name: Lower Oak Creek	5	NA
OR_WS_170900030503_02_104277	HUC12 Name: Maxfield Creek-Luckiamute River	5	NA
OR_WS_170900030504_02_104278	HUC12 Name: Pedee Creek-Luckiamute River	5	NA
OR_WS_170900030505_02_104279	HUC12 Name: Jont Creek-Luckiamute River	5	NA
OR_WS_170900030510_02_104284	HUC12 Name: Berry Creek	5	NA
OR_WS_170900030603_02_104290	HUC12 Name: Flat Creek	5	NA
OR_WS_170900040104_02_104303	HUC12 Name: Middle Horse Creek	5	Unassessed
OR_WS_170900040105_02_104304	HUC12 Name: Lower Horse Creek	5	Unassessed
OR_WS_170900040202_02_104306	HUC12 Name: Hackleman Creek-McKenzie River	5	Unassessed
OR_WS_170900040203_02_104307	HUC12 Name: Smith River	5	Unassessed
OR_WS_170900040204_02_104308	HUC12 Name: Kink Creek-McKenzie River	5	Unassessed
OR_WS_170900040205_02_104309	HUC12 Name: Deer Creek	5	Unassessed
OR_WS_170900040206_02_104310	HUC12 Name: Boulder Creek-McKenzie River	5	Unassessed
OR_WS_170900040209_02_104313	HUC12 Name: Florence Creek-McKenzie River	5	Unassessed
OR_WS_170900040304_02_104317	HUC12 Name: Rebel Creek-South Fork McKenzie River	5	NA



AU_ID	AU_Name	2022 IR Year-Round Temperature Category Status	2022 IR Spawning Temperature Category Status
OR_WS_170900040402_02_104323	HUC12 Name: Upper Blue River	5	NA
OR_WS_170900040403_02_104324	HUC12 Name: Lower Blue River	5	3
OR_WS_170900040502_02_104326	HUC12 Name: Elk Creek-McKenzie River	5	5
OR_WS_170900040601_02_104327	HUC12 Name: Headwaters Mohawk River	5	Unassessed
OR_WS_170900040602_02_104328	HUC12 Name: Shotgun Creek-Mohawk River	5	Unassessed
OR_WS_170900040702_02_104333	HUC12 Name: East Fork Deer Creek-McKenzie River	5	5
OR_WS_170900040705_02_104336	HUC12 Name: Camp Creek	5	Unassessed
OR_WS_170900050203_02_104345	HUC12 Name: Marion Creek	5	NA
OR_WS_170900050301_02_104351	HUC12 Name: Upper Blowout Creek	5	NA
OR_WS_170900050503_02_104567	HUC12 Name: Upper Little North Santiam River	5	Unassessed
OR_WS_170900050504_02_104563	HUC12 Name: Middle Little North Santiam River	5	Unassessed
OR_WS_170900050602_02_104360	HUC12 Name: Bear Branch-North Santiam River	5	Unassessed
OR_WS_170900050603_02_104361	HUC12 Name: Marion Creek-North Santiam River	5	5
OR_WS_170900060501_02_104384	HUC12 Name: Little Wiley Creek	5	Unassessed
OR_WS_170900060705_02_104394	HUC12 Name: Lower Thomas Creek	5	NA
OR_WS_170900060804_02_104398	HUC12 Name: Hamilton Creek	5	Unassessed
OR_WS_170900070203_02_104411	HUC12 Name: McKinney Creek	5	NA
OR_WS_170900070204_02_104412	HUC12 Name: Lower Mill Creek	5	Unassessed
OR_WS_170900070301_02_104413	HUC12 Name: Croisan Creek-Willamette River	5	5
OR_WS_170900070303_02_104415	HUC12 Name: Glenn Creek-Willamette River	5	Unassessed
OR_WS_170900070304_02_104599	HUC12 Name: Lambert Slough-Willamette River	5	NA
OR_WS_170900070306_02_104417	HUC12 Name: Chehalem Creek	5	NA

AU_ID	AU_Name	2022 IR Year-Round Temperature Category Status	2022 IR Spawning Temperature Category Status
OR_WS_170900090101_02_104454	HUC12 Name: Headwaters Pudding River	5	Unassessed
OR_WS_170900090202_02_104465	HUC12 Name: Middle Butte Creek	5	Unassessed
OR_WS_170900090204_02_104467	HUC12 Name: Brandy Creek-Pudding River	5	NA
OR_WS_170900090303_02_104470	HUC12 Name: Bear Creek	5	NA
OR_WS_170900090403_02_104474	HUC12 Name: Pine Creek-Molalla River	5	Unassessed
OR_WS_170900110402_02_104535	HUC12 Name: Roaring River	5	NA
OR_WS_170900110405_02_104538	HUC12 Name: North Fork Clackamas River	5	NA
OR_WS_170900110406_02_104539	HUC12 Name: Helion Creek-Clackamas River	5	Unassessed
OR_WS_170900110501_02_104540	HUC12 Name: Upper Eagle Creek	5	NA
OR_WS_170900110607_02_104549	HUC12 Name: Rock Creek-Clackamas River	5	Unassessed
OR_WS_170900120101_02_104550	HUC12 Name: Upper Johnson Creek	5	5
OR_WS_170900120103_02_104552	HUC12 Name: Lower Johnson Creek	5	5
OR_WS_170900120104_02_104553	HUC12 Name: Oswego Creek-Willamette River	5	5
OR_WS_170900120201_02_104554.1	HUC12 Name: Columbia Slough (Lower)	5	NA
OR_WS_170900120201_02_104554.2	HUC12 Name: Columbia Slough (Upper)	5	NA
OR_WS_170900120202_02_104555	HUC12 Name: Balch Creek-Willamette River	5	NA
OR_WS_170900120301_02_104557	HUC12 Name: South Scappoose Creek	2	5
OR_WS_170900120305_02_104561	HUC12 Name: Multnomah Channel	5	Unassessed