

Southern Oregon Water Roundtable

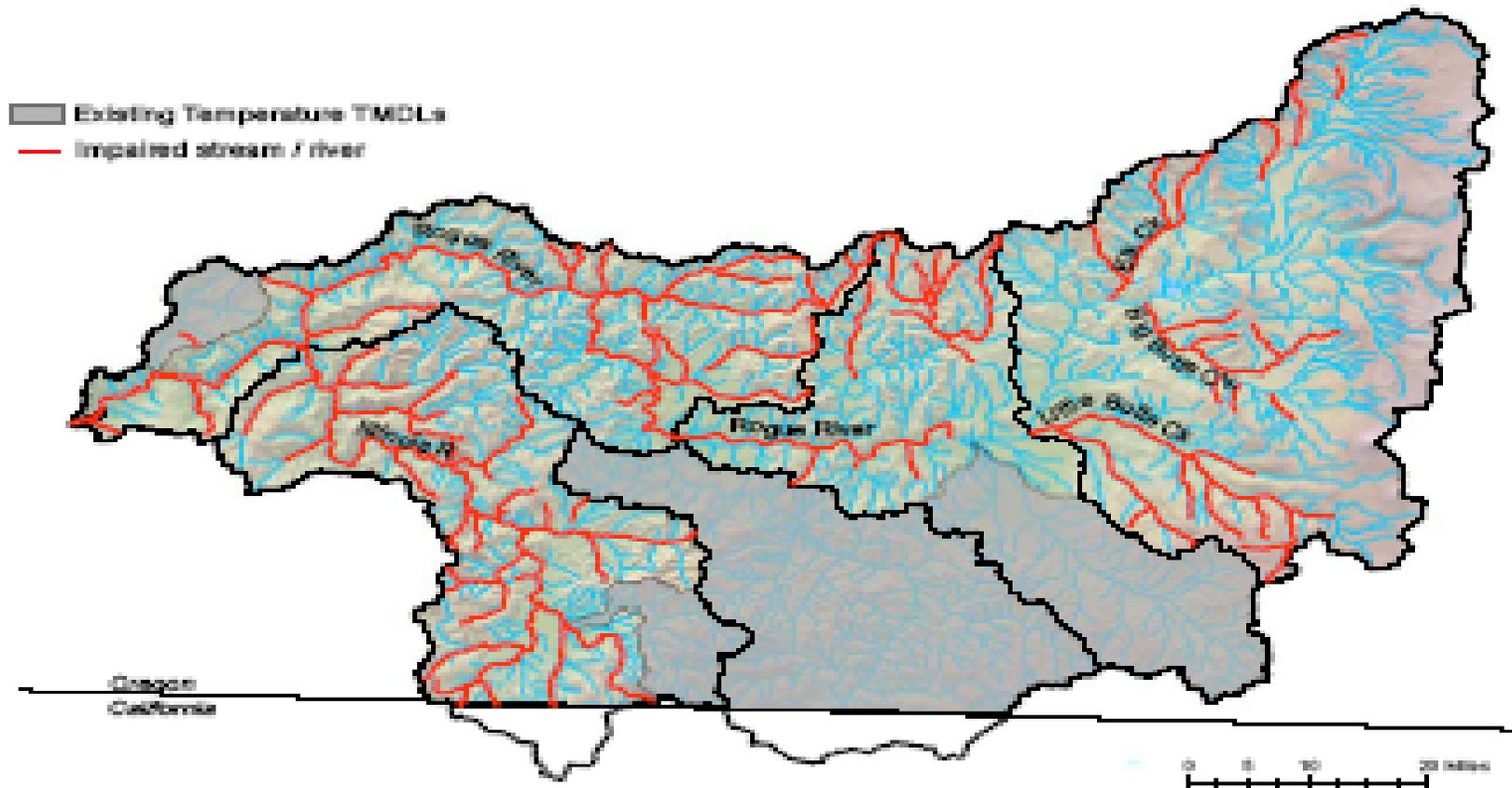
Water Quality and TMDLS

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How DEQ Sees the Rogue Basin

Figure 2.3. 2004/2006 303(d) list for temperature (Red)



OK – So how is the
water quality?



Is it this bad?



(Oregon State Sanitary Authority)

OWQI – Oregon Water Quality Index



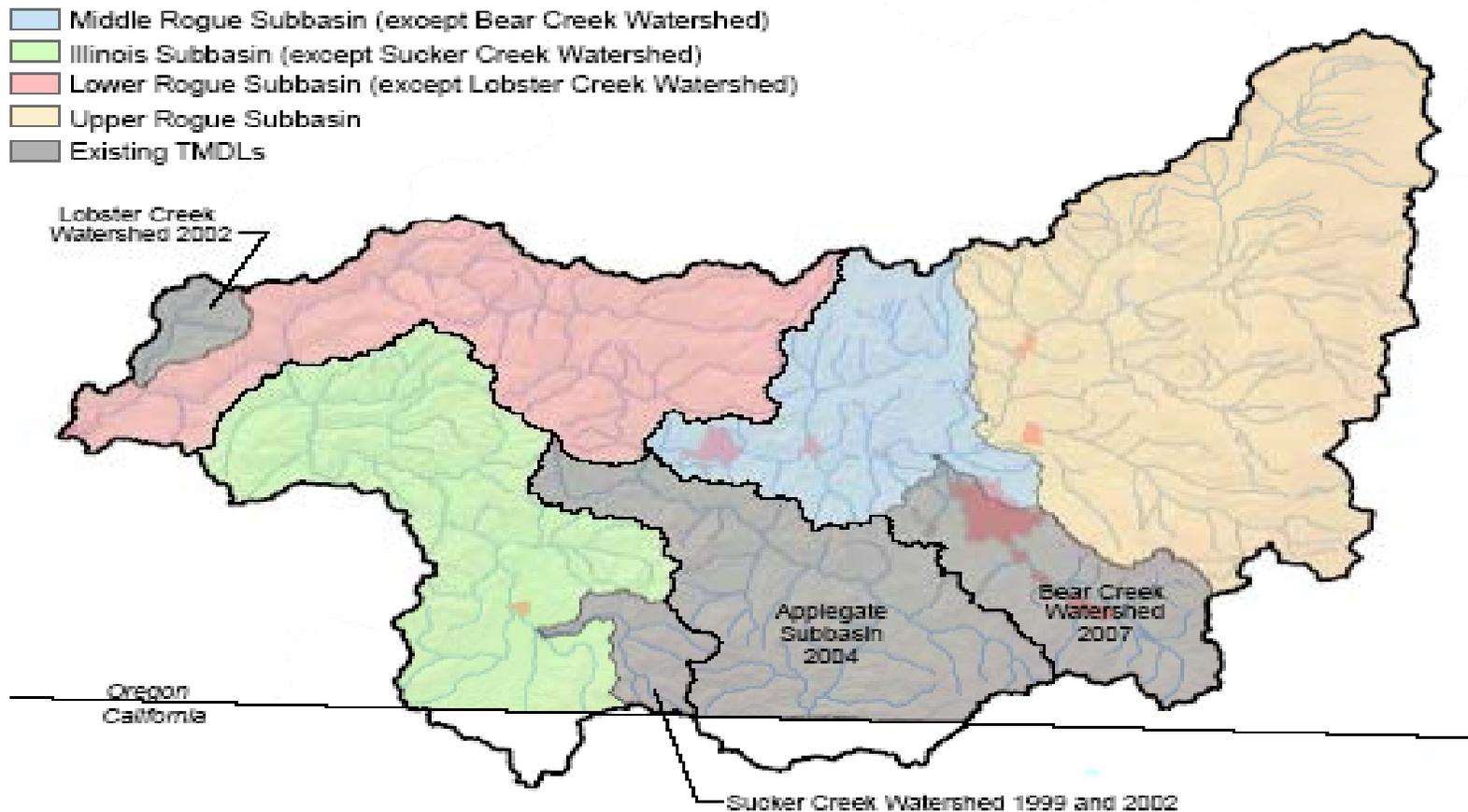
1997-2006



River	Score	Category	Trend
Rogue – Dodge Park	92	Excellent	↓
Little Butte	72	Poor	↔
Bear Creek	63	Poor	↔
Rogue – Gold Hill	85	Good	↔
Applegate	86	Good	↔
Rogue - Robertson Bridge	85	Good	↔
Illinois	89	Good	↔
Rogue – Lobster Bridge	87	Good	↓

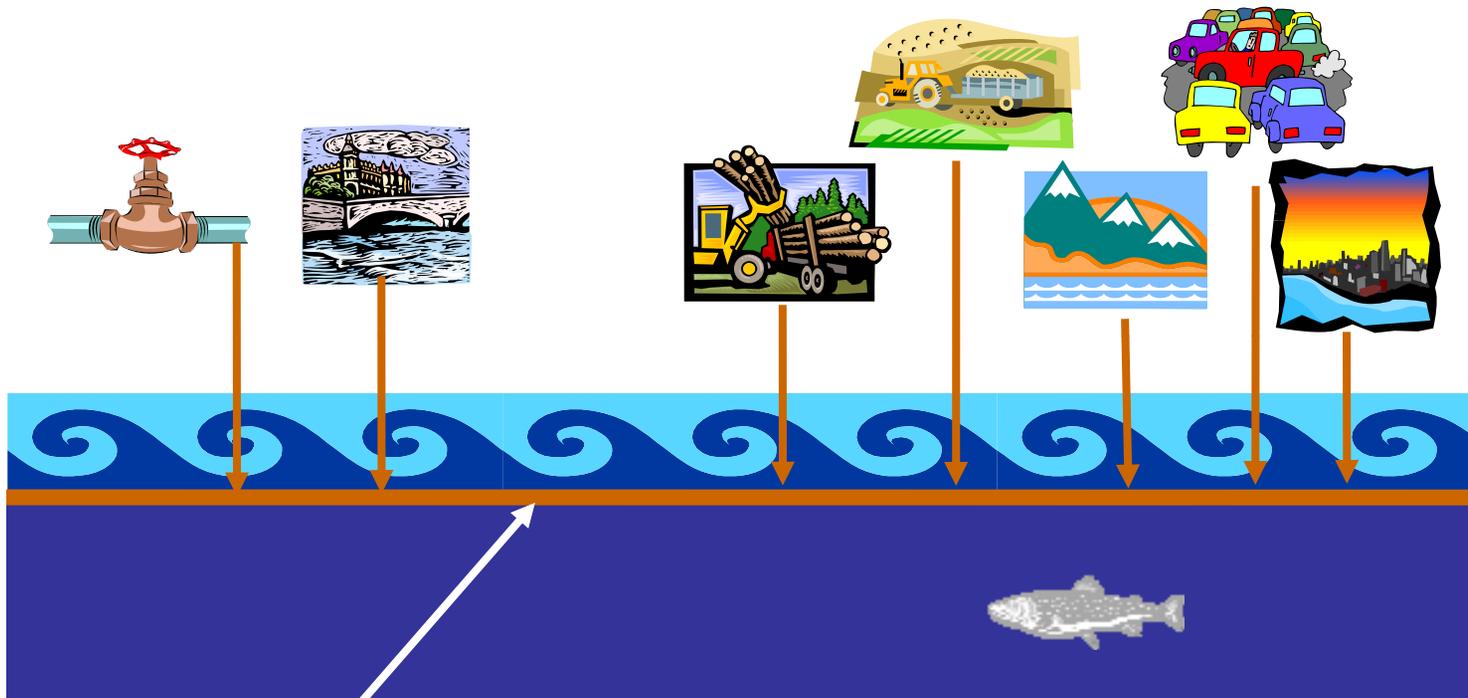
How DEQ Addresses Surface Water Quality - TMDLs

Figure 1.1. The geographic scope of this TMDL and previously completed TMDLs



Point Sources

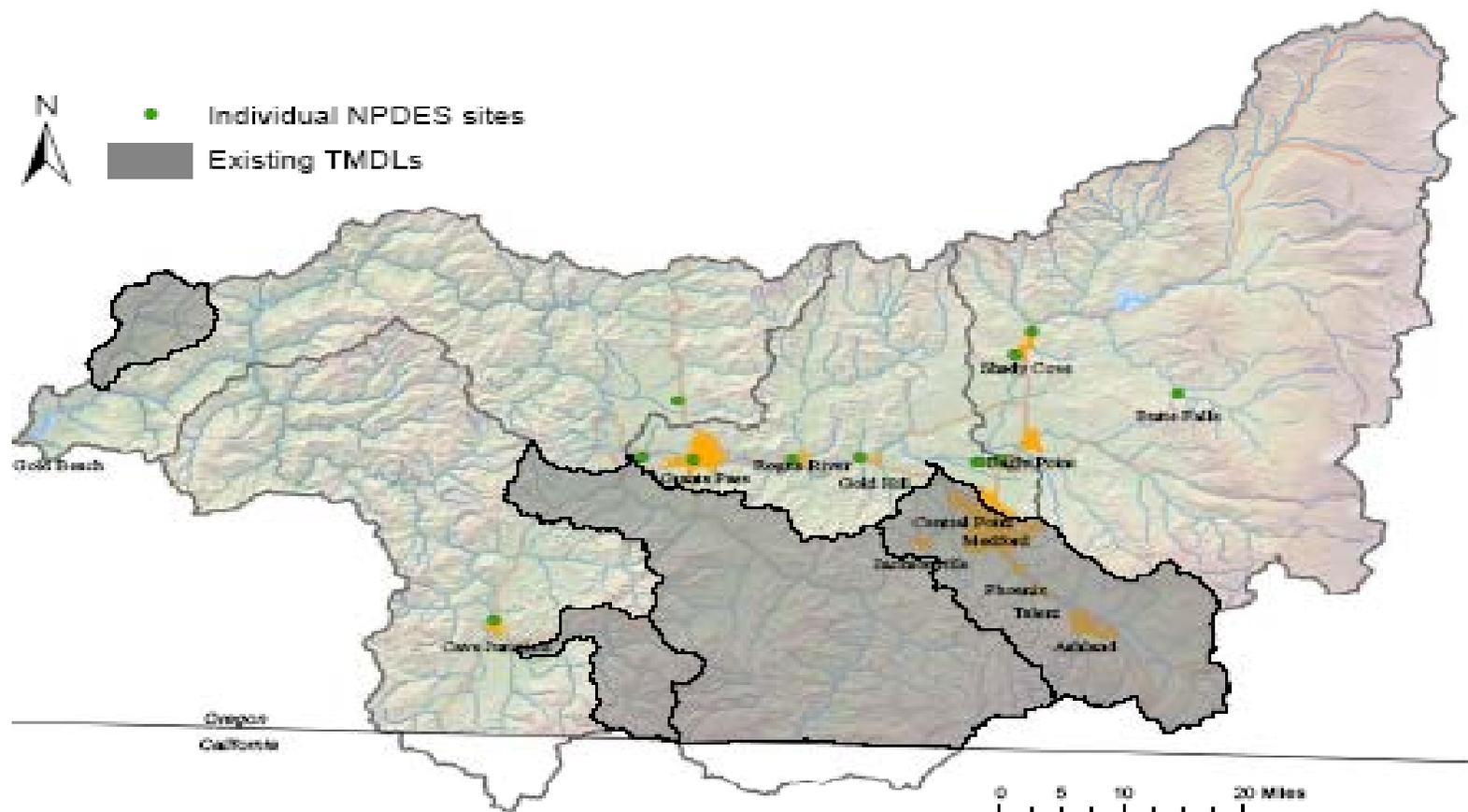
Non-Point Sources



$$\text{TMDL} = \text{WLA} + \text{LA} + \text{RC} + \text{MOS}$$

Waste Load Allocation Point Source Load Allocation Non-point Source Reserve Capacity Margin of Safety

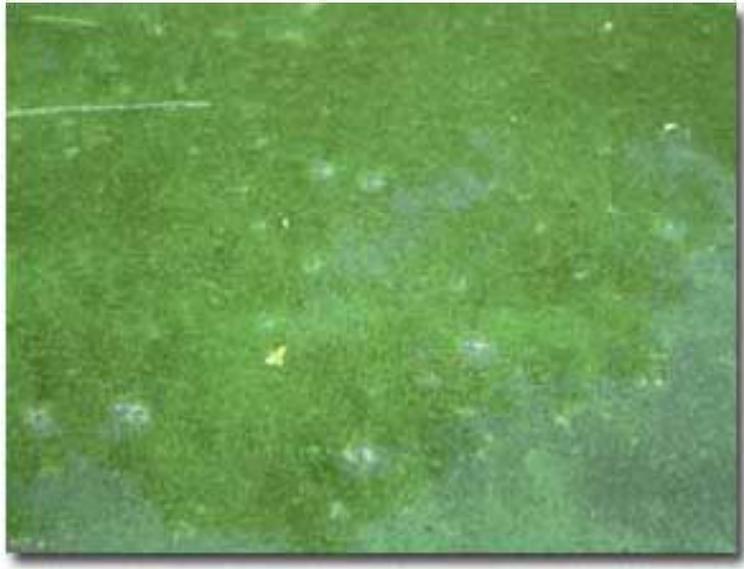
Figure 1.7. Rogue River Basin: NPDES Permits



Future Investigations



Future Investigations: Blue Green Algae – Sedimentation



Questions?

