

Figure 1. The Lower Boise River subbasin and delineation of subwatersheds (DEQ 2009b).

PHOSPHORUS...





· Side to use on any grass type



 Establishes new grass plants faster, reducing water requirements Scotts® All-in-One
Particles® technology ensures even, consistent seeding *Parened fimed-release formula feeds new grass plants as they develop without barning* 20-27-5 NET WEIGHT 17:78 to (8.06 kg) WHEN EVERY ACCOUNTS THE DESICTION. Conotte STARTER

OBJECTIVES

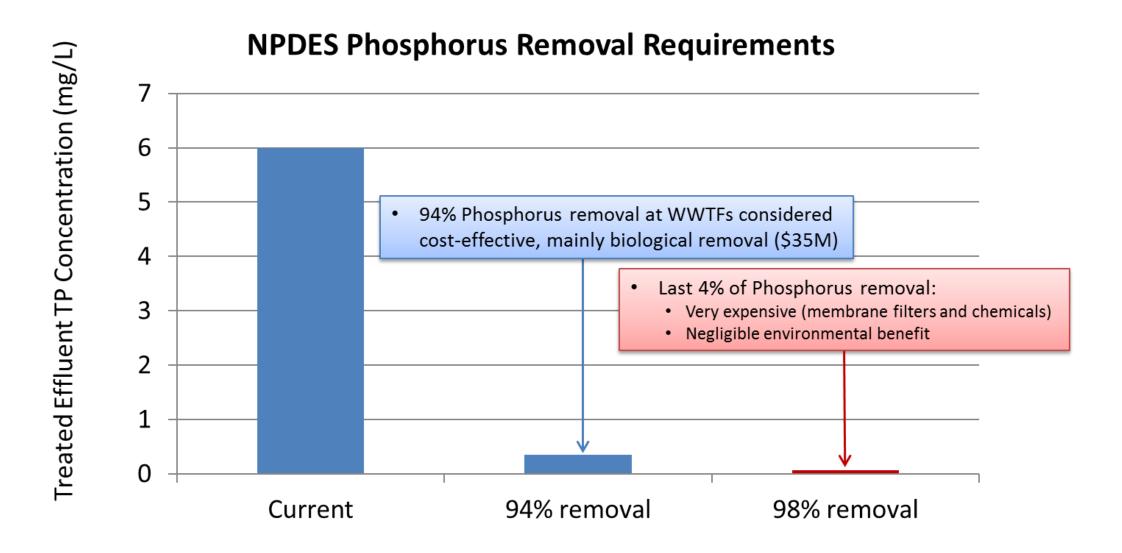
- Project Drivers
- City of Boise Phosphorus Compliance Strategy
 - Dixie Drain Phosphorus Removal Facility
 - Description
 - Treatment process
 - Performance

PROJECT DRIVERS

- NPDES permits issued in 2012 contained final effluent total phosphorus limits of 0.07 mg/L.
 - 10 year schedule of compliance
- Lower Boise River Total Phosphorus TMDL

BOISE RIVER WATERSHED





CITY OF BOISE PHOSPHORUS STRATEGY

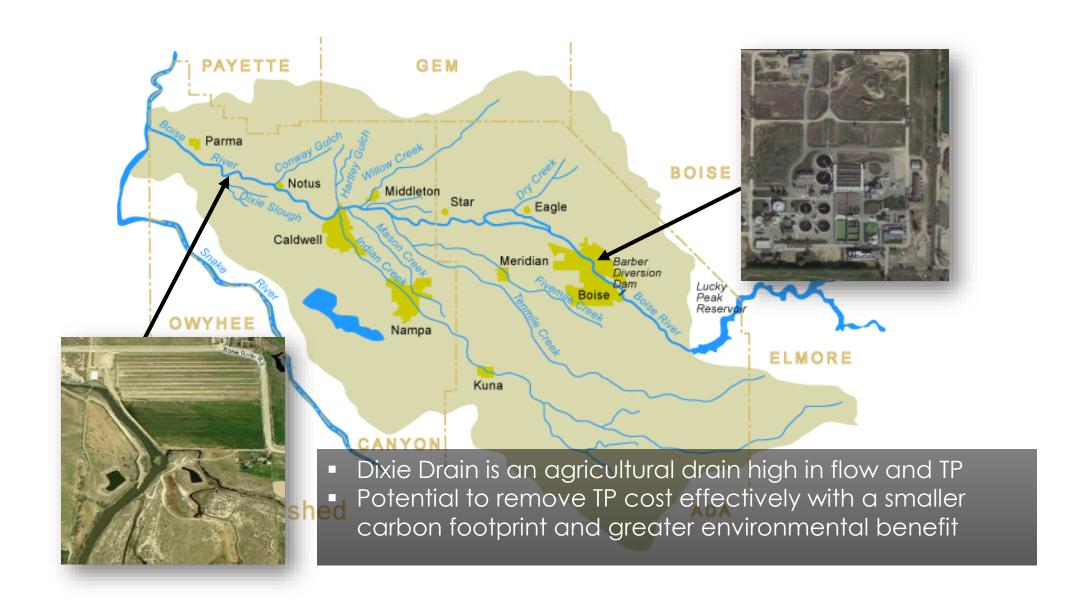
• WRF upgrades + sidestream treatment + nonpoint source improvement







LOWER BOISE WATERSHED



SIGNIFICANT UNDERTAKING



DIXIE DRAIN ELEMENTS





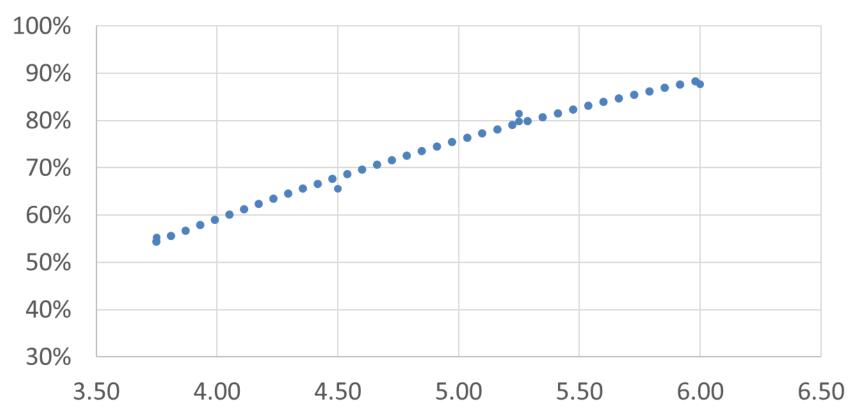
MIXING AND OPERATIONS CENTER





2016 – FIRST YEAR OF OPERATION

% Removal Dissolved Phosphorus vs. Dose of Chemical mg/l





Dixie Phosphorus Removal Facility outflow and confluence with Dixie Drain



Positive Outcomes

- Without doing nutrient removal from the large ag drains on the Boise River, the water quality targets for the river (TMDL) will not be achieved. Boise has made the first attempt to do this with success.
- This project resulted in a much improved relationship between the City of Boise and EPA.
- This project stimulated the development of a long delayed Lower Boise TMDL.
- Very innovative project with national interest.