



DEPARTMENT OF
ECOLOGY
State of Washington

**Addendum to
Quality Assurance Project Plan**

**Palouse River Dissolved Oxygen and pH
Total Maximum Daily Load
Water Quality Study Design**

September 2012

Publication No. 12-03-121

Publication Information

Addendum

This addendum is on the Department of Ecology's website at <https://fortress.wa.gov/ecy/publications/SummaryPages/1203121.html>

This addendum is an addition to an original Quality Assurance Project Plan. It is not a correction (errata) to the original plan.

Activity Tracker code

Ecology's Activity Tracker Code for this addendum is 05-008-22.

Original Publication

Quality Assurance Project Plan: Palouse River DO and pH TMDL Study.
Publication No. 07-03-110
<https://fortress.wa.gov/ecy/publications/SummaryPages/0703110.html>

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DEPARTMENT OF ECOLOGY
Environmental Assessment Program

September 25, 2012

TO: Elaine Snouwaert, ERO Water Quality
David Moore, Unit Supervisor, ERO Water Quality
Jim Bellatty, Section Manager, ERO Water Quality

THROUGH: Jenifer Parsons, Acting Section Manager, Environmental Assessment Program

FROM: Jim Carroll, Environmental Assessment Program

SUBJECT: Addendum to Quality Assurance Project Plan for Palouse River DO and pH
TMDL Study. Publication No: 07-03-110

Modeling efforts to simulate DO and pH on the North Fork of the Palouse River from the ID/WA state line to the town of Palouse and below have been stymied by the unusual high pH readings in the summer of 2007. The observations in 2007 were taken with a Hydrolab datalogger which performed well with good pre- and post calibrations.

The task is to verify the high pH readings and understand the distribution of pH readings by measuring at more locations. This would be accomplished by deploying Hydrolab dataloggers in at least 6 locations.

The original deployments were at the following locations:

1. The state line
2. Bridge St bridge in Palouse
3. Hwy 272 bridge below Palouse
4. Altergott Rd below Palouse

The new deployments would take place at the original locations plus at least 2 others:

1. An accessible location above city of Palouse
2. At the West Spokane St bridge above WWTP discharge in Palouse

Sites may be added or moved from this sampling plan depending on access and number of Hydrolabs available for deployment. The calibration and deployment of Hydrolabs will follow EAP protocol #EAP033 located online at <http://www.ecy.wa.gov/programs/eap/quality.html>.

The survey will be performed before the end of September 2012 when low flows and warm weather prevail.

cc: Bill Kammin, Ecology Quality Assurance Officer
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Joel Bird, Manchester Environmental Laboratory