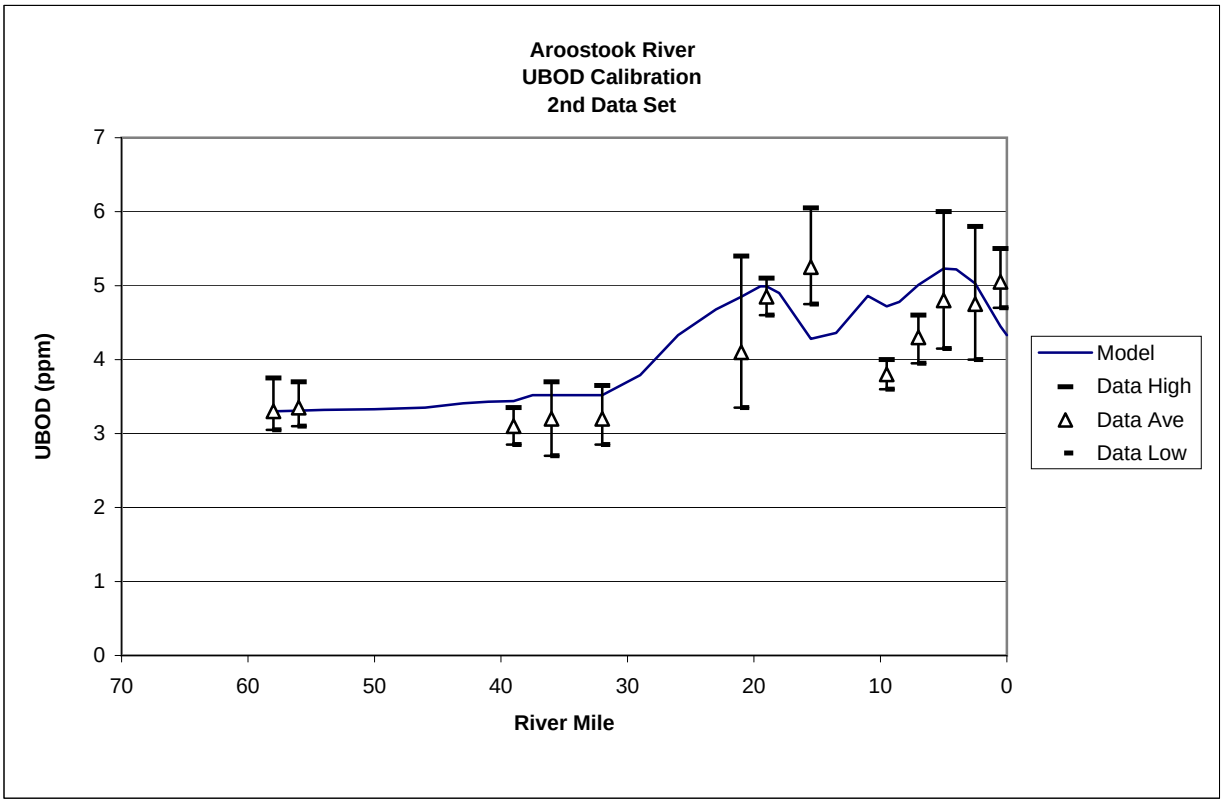
Figure 5a - Ultimate BOD Calibration - Aug 28 - 30 2001 Data Set



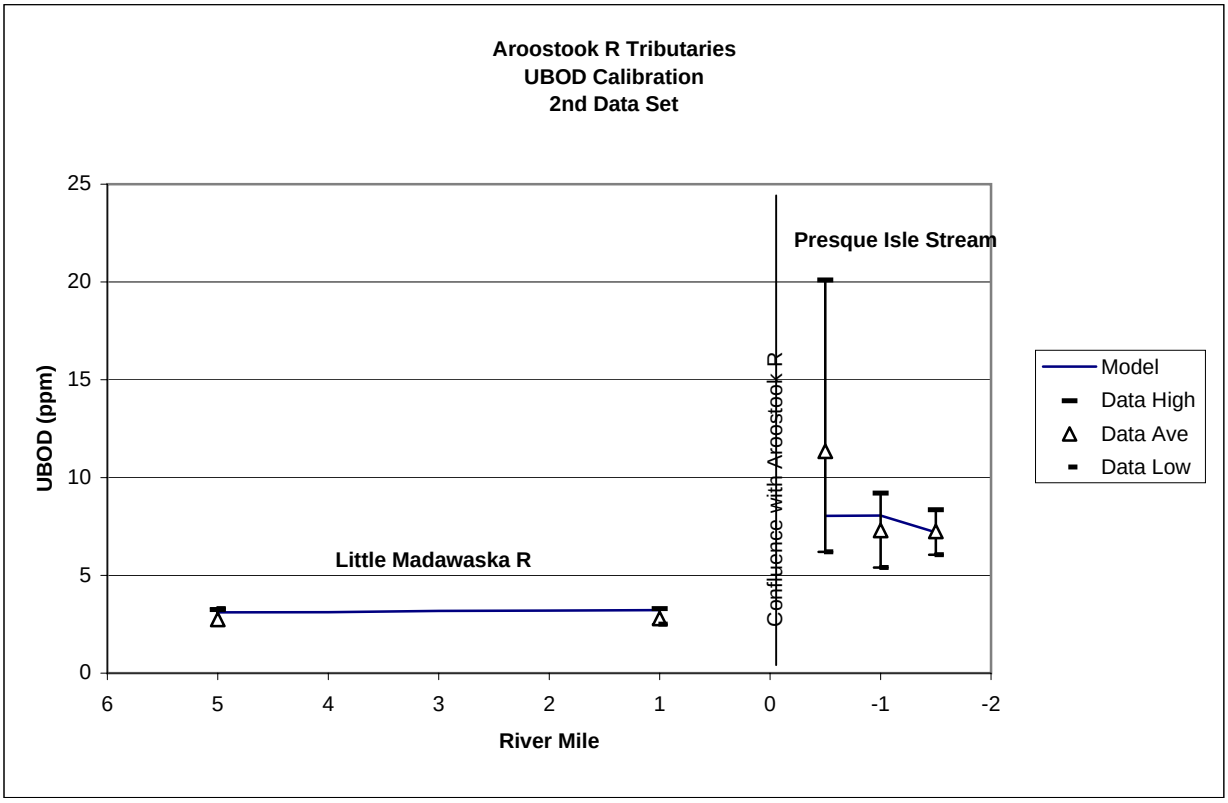
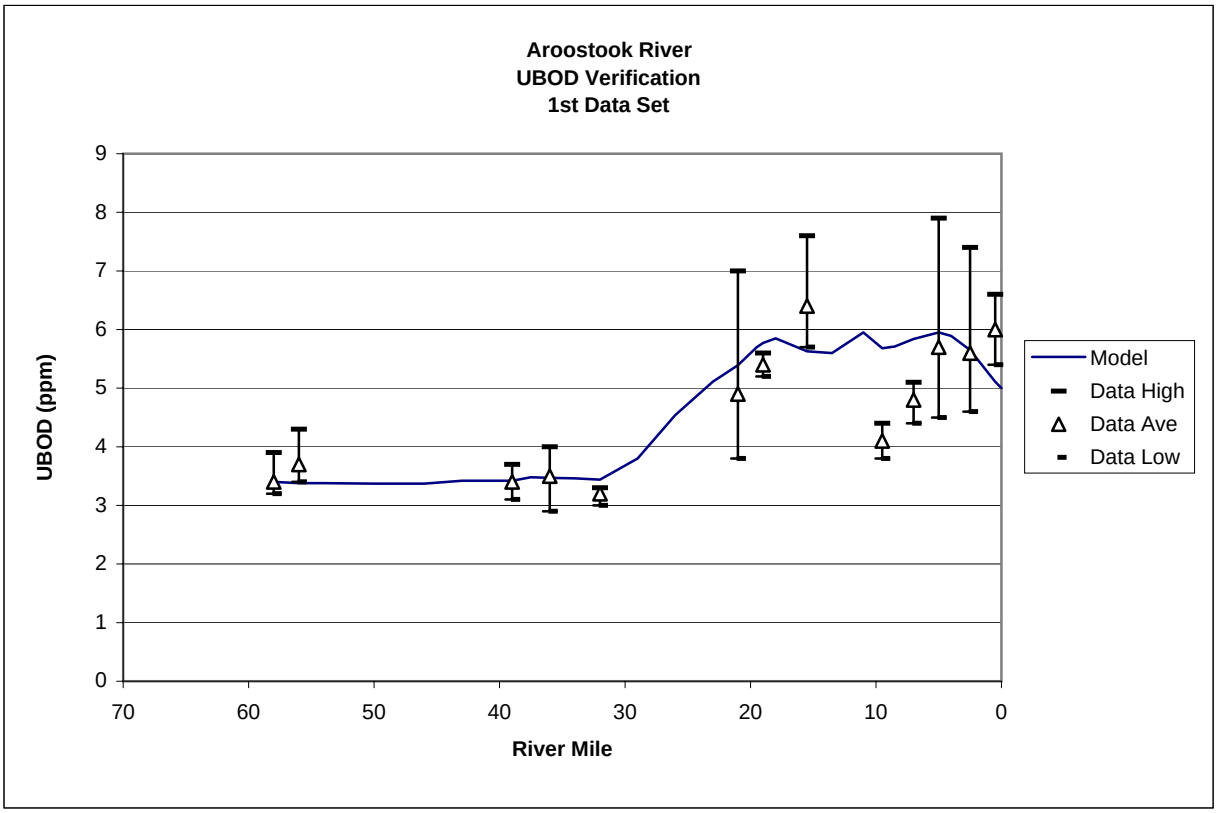


Figure 5b - Ultimate BOD Verification - Aug 14 - 16 2001 Data Set



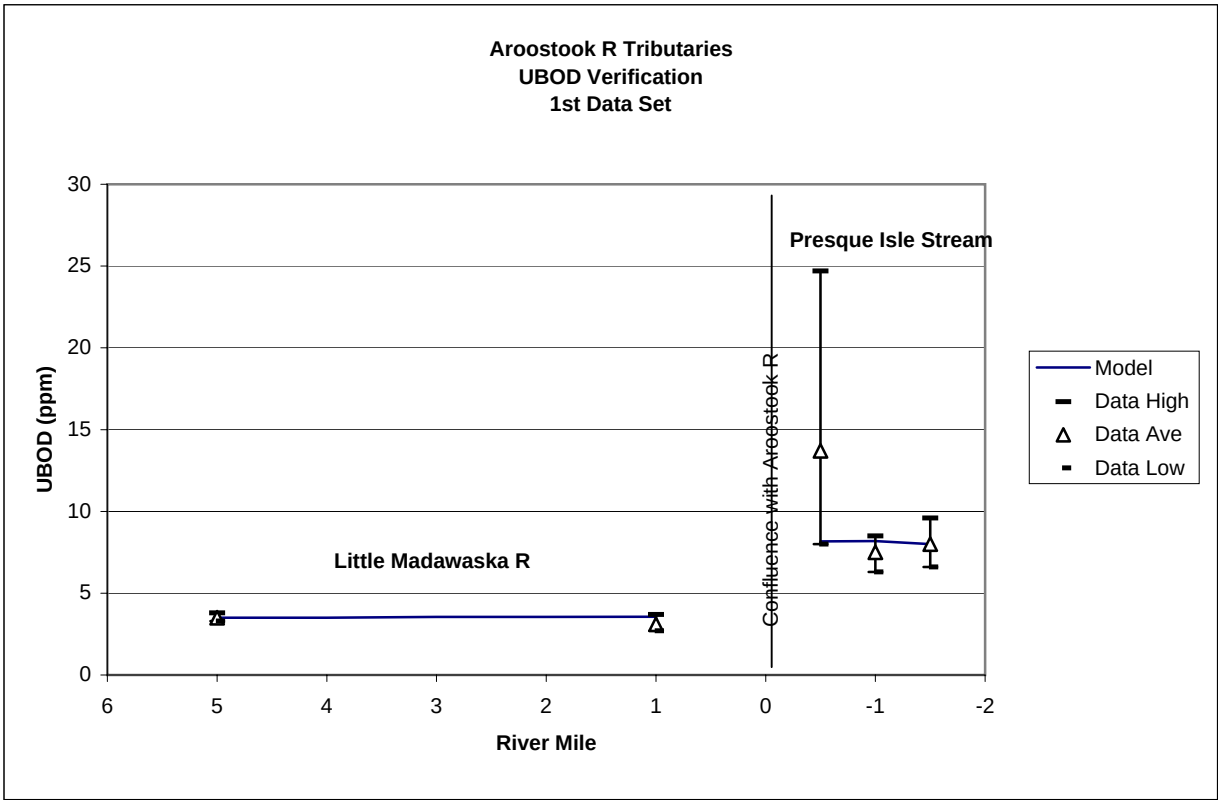
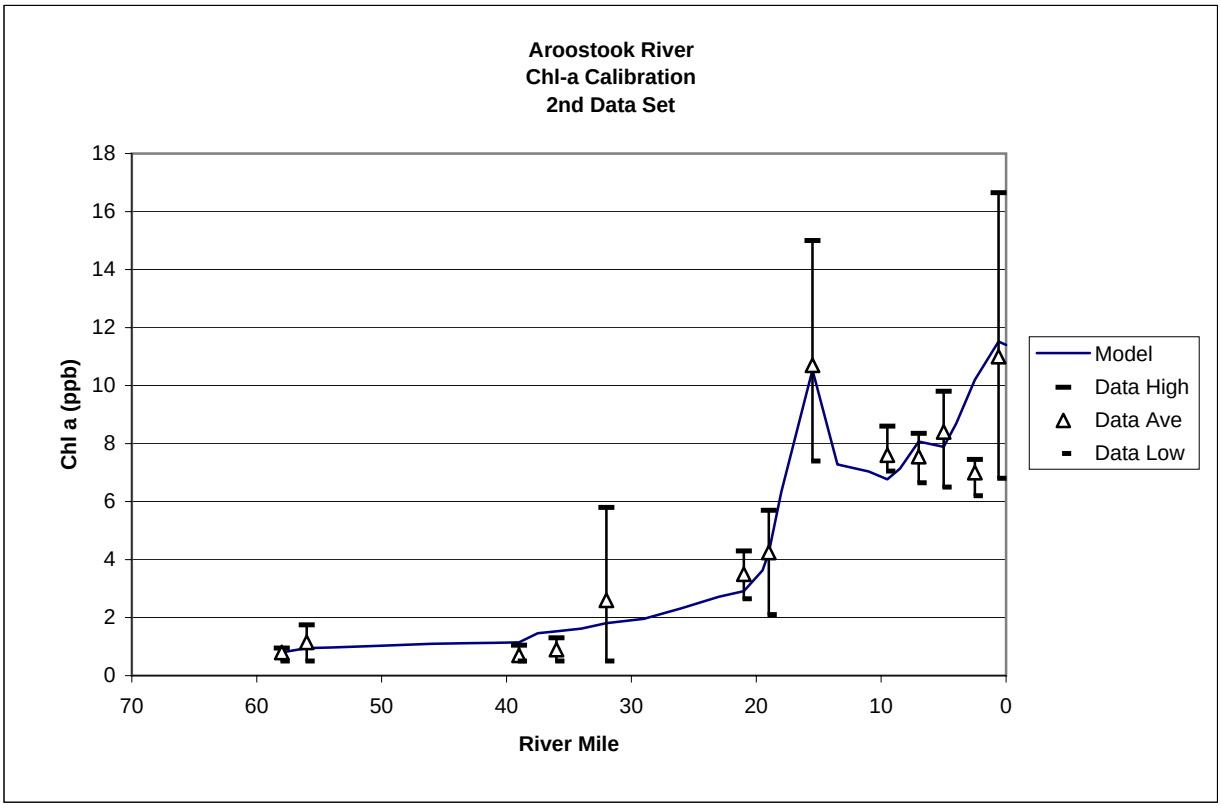


Figure 6a - Chlorophyll-a Calibration - Aug 28 - 30 2001 Data Set



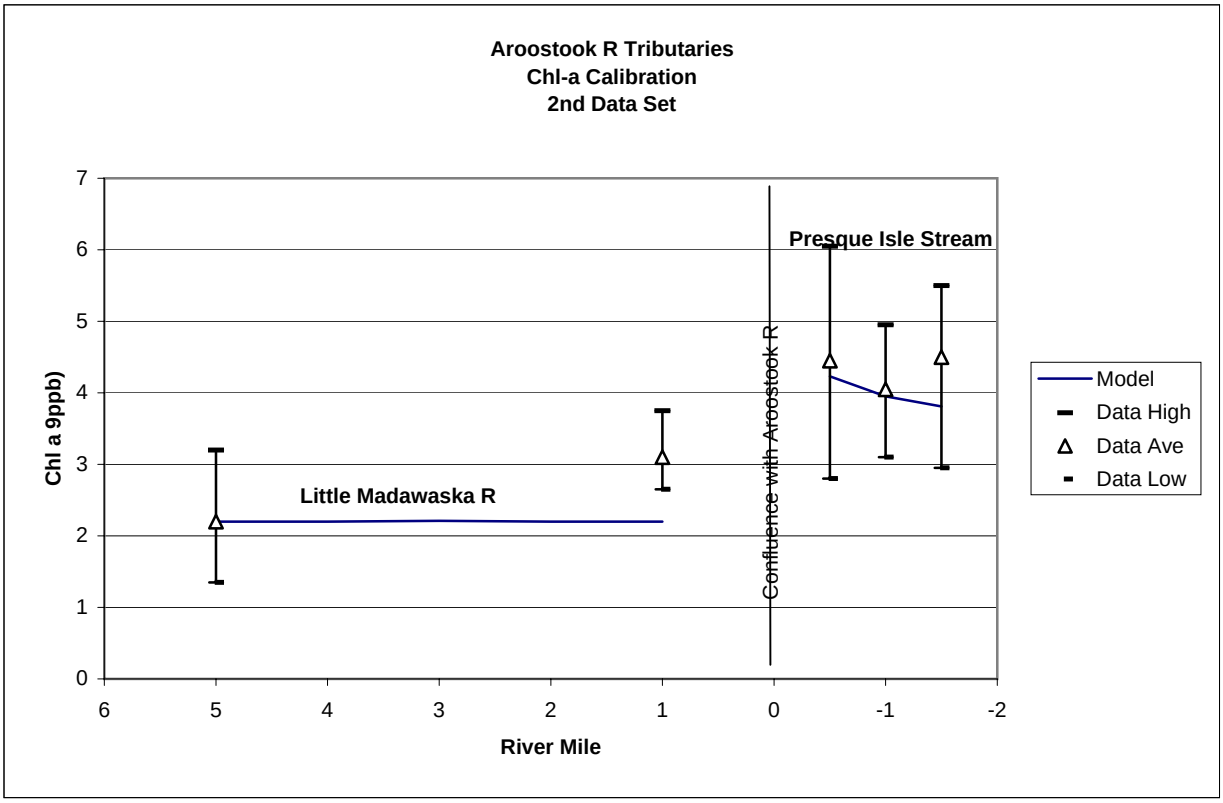
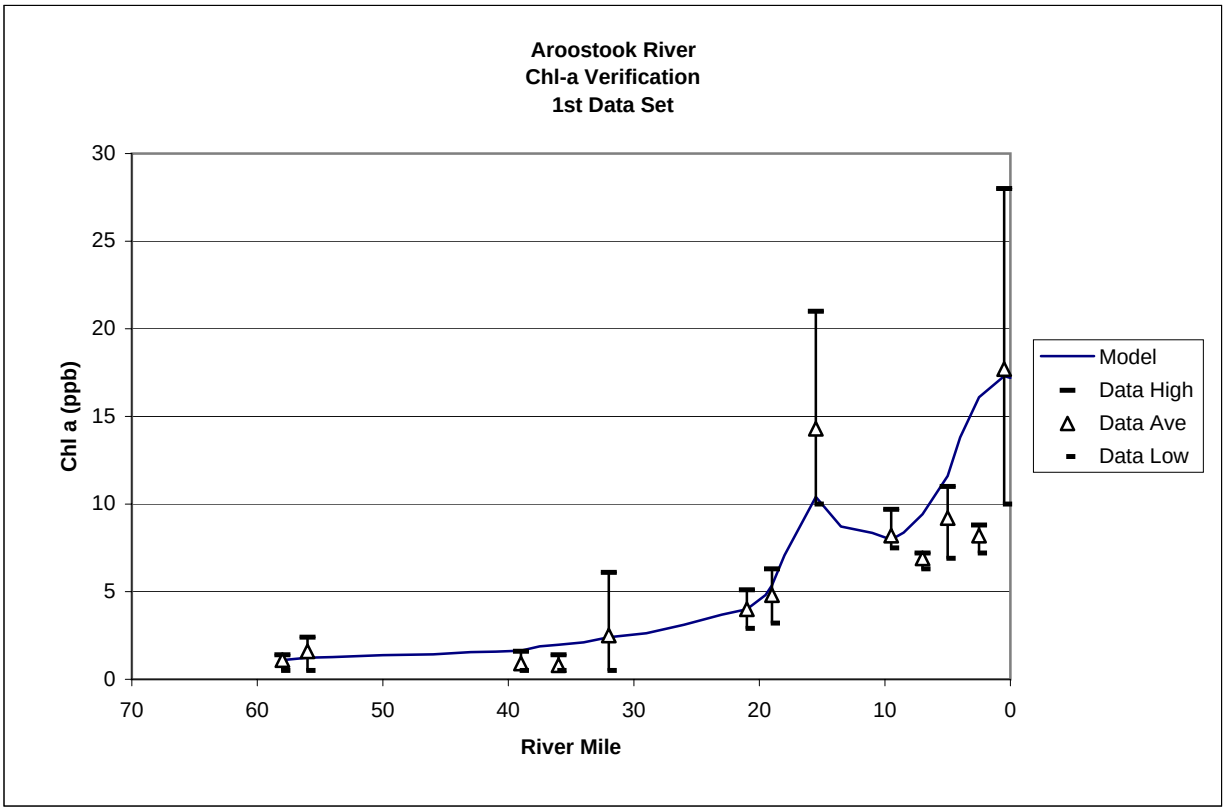


Figure 6b - Chlorophyll-a Verification - Aug 14 - 16 2001 Data Set



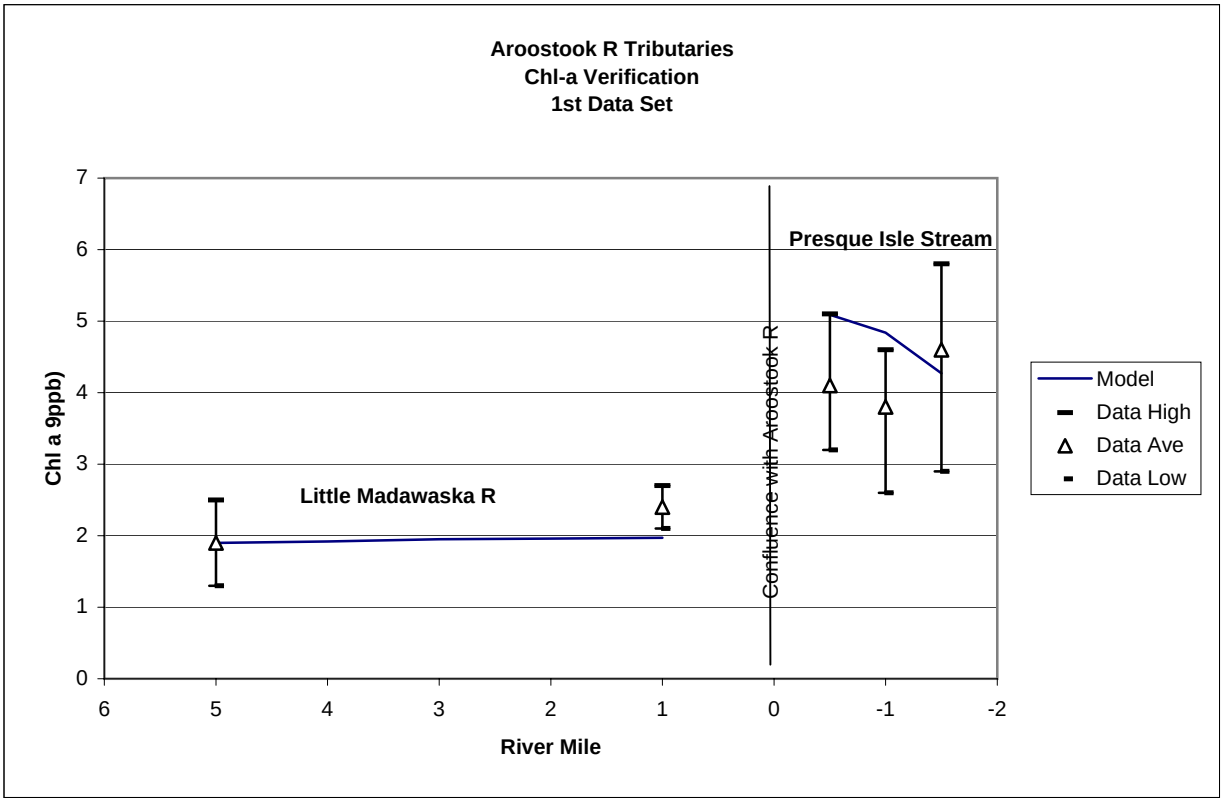
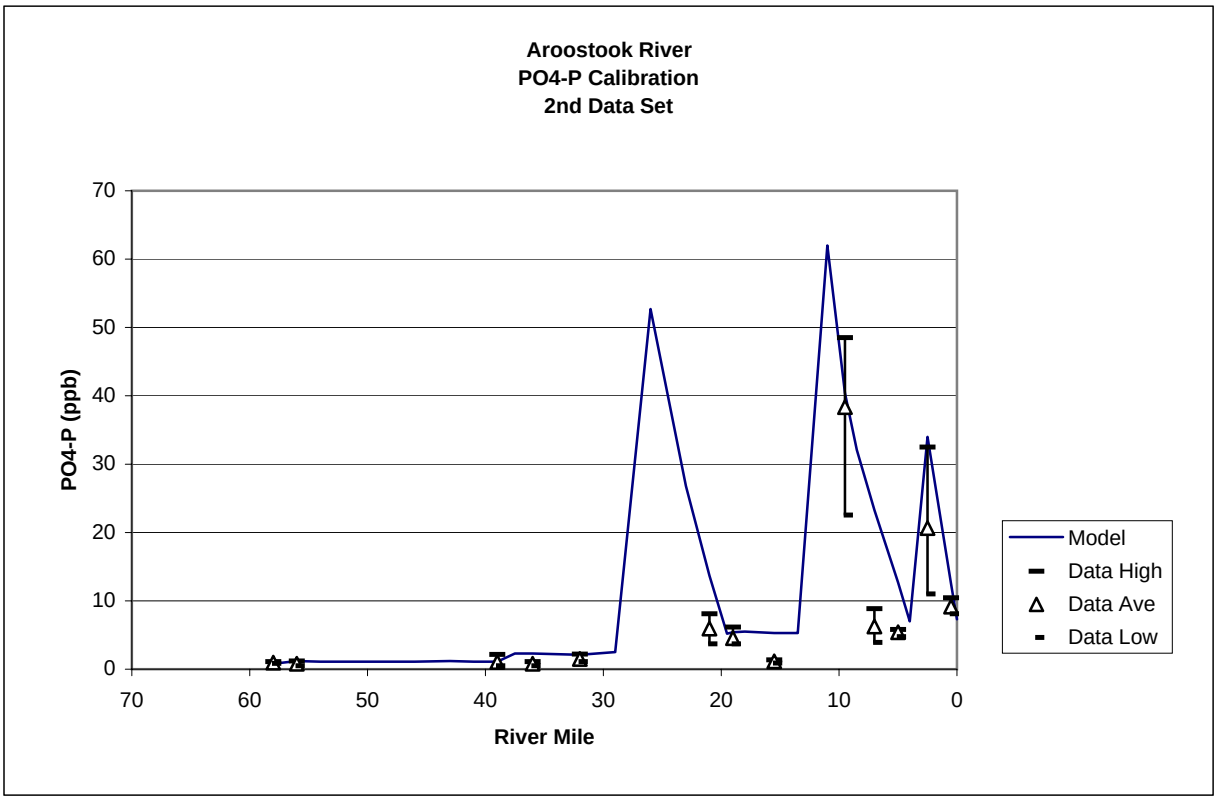


Figure 7a - Orthophosphorus Calibration - Aug 28 - 30 2001 Data Set



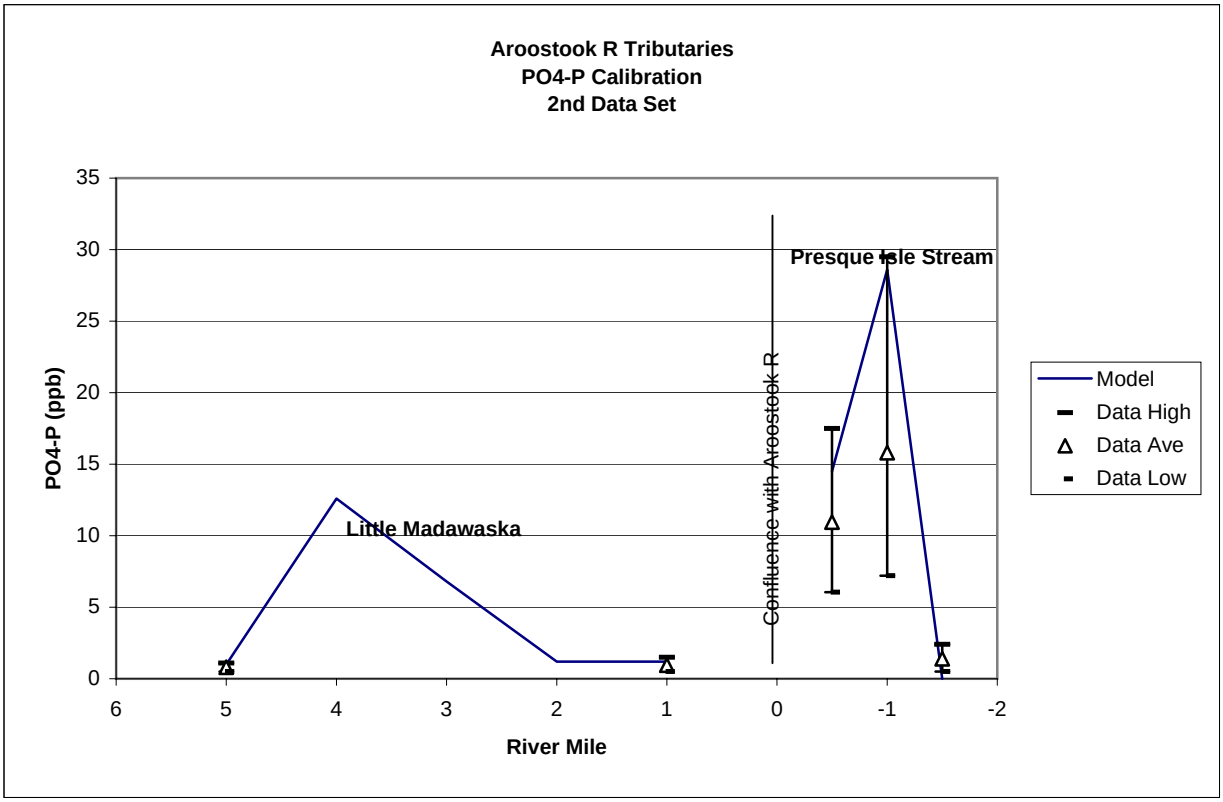
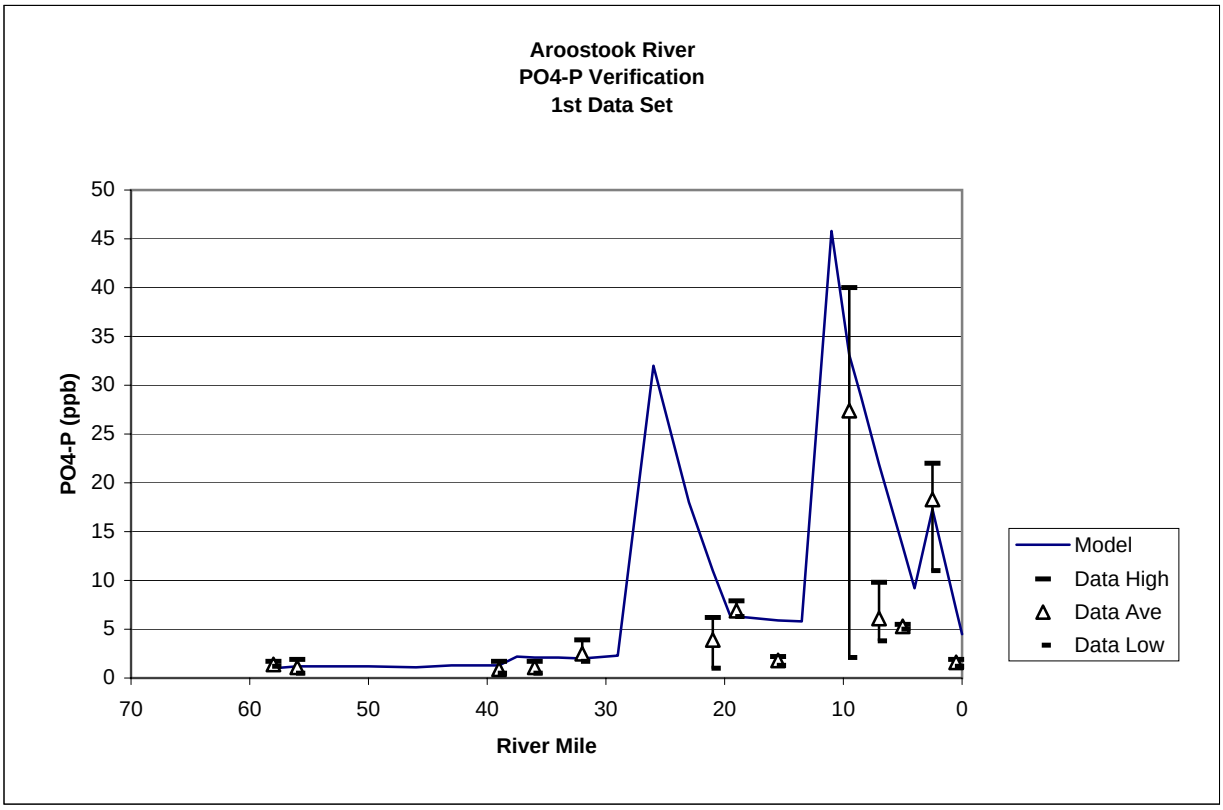


Figure 7b - Orthophosphorus Verification - Aug 14 - 16 2001 Data Set



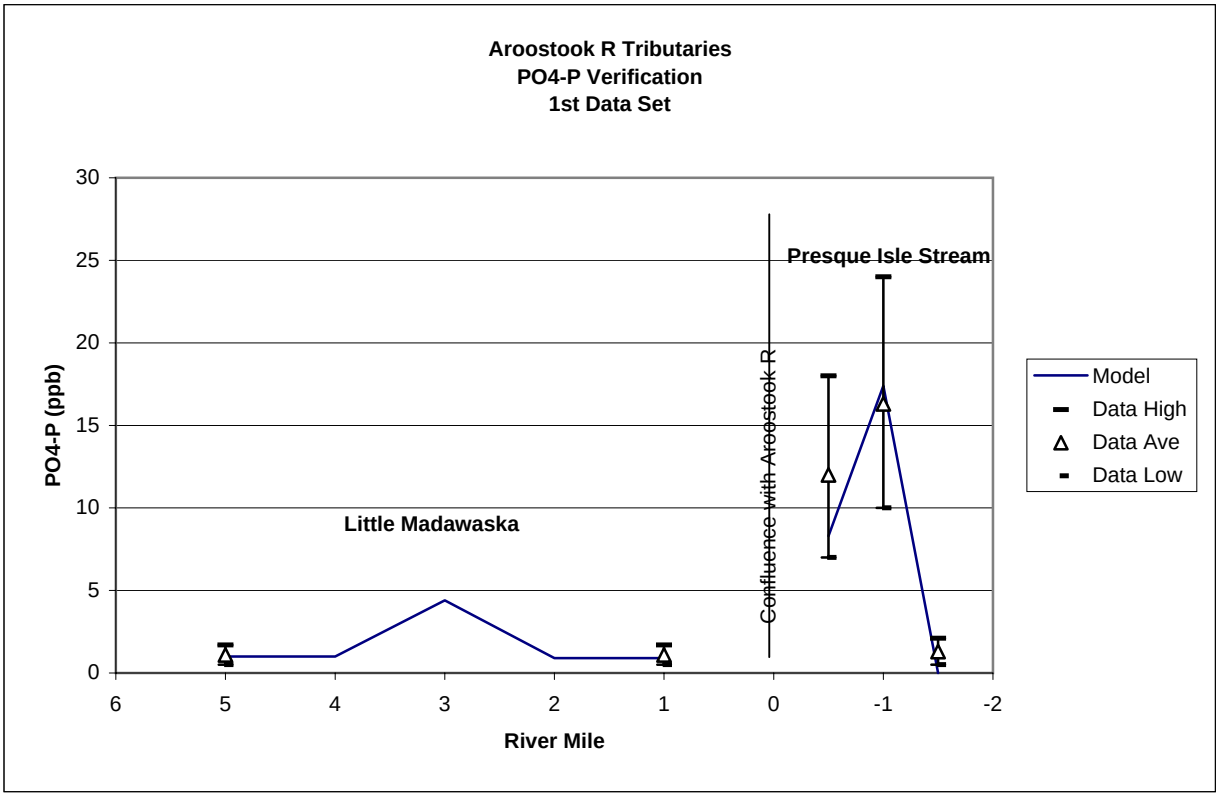
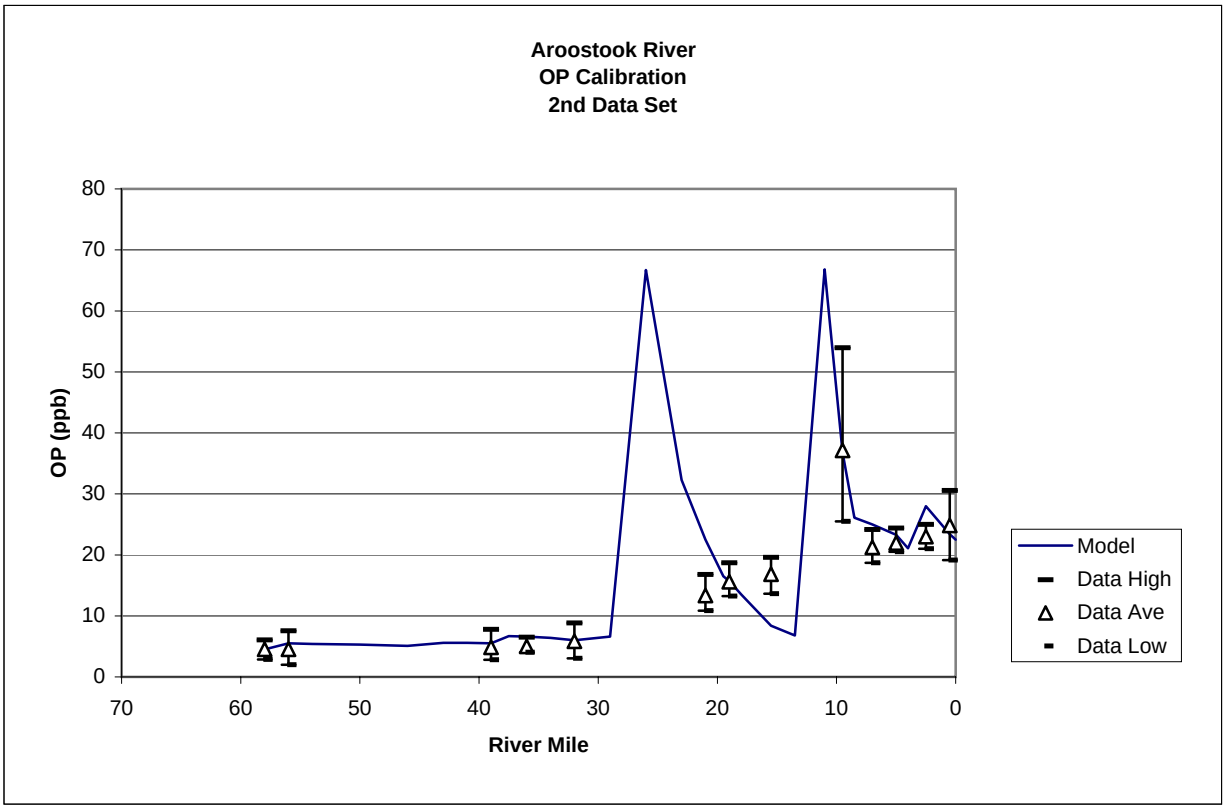


Figure 8a - Organic Phosphorus Calibration - Aug 28 - 30 2001 Data Set



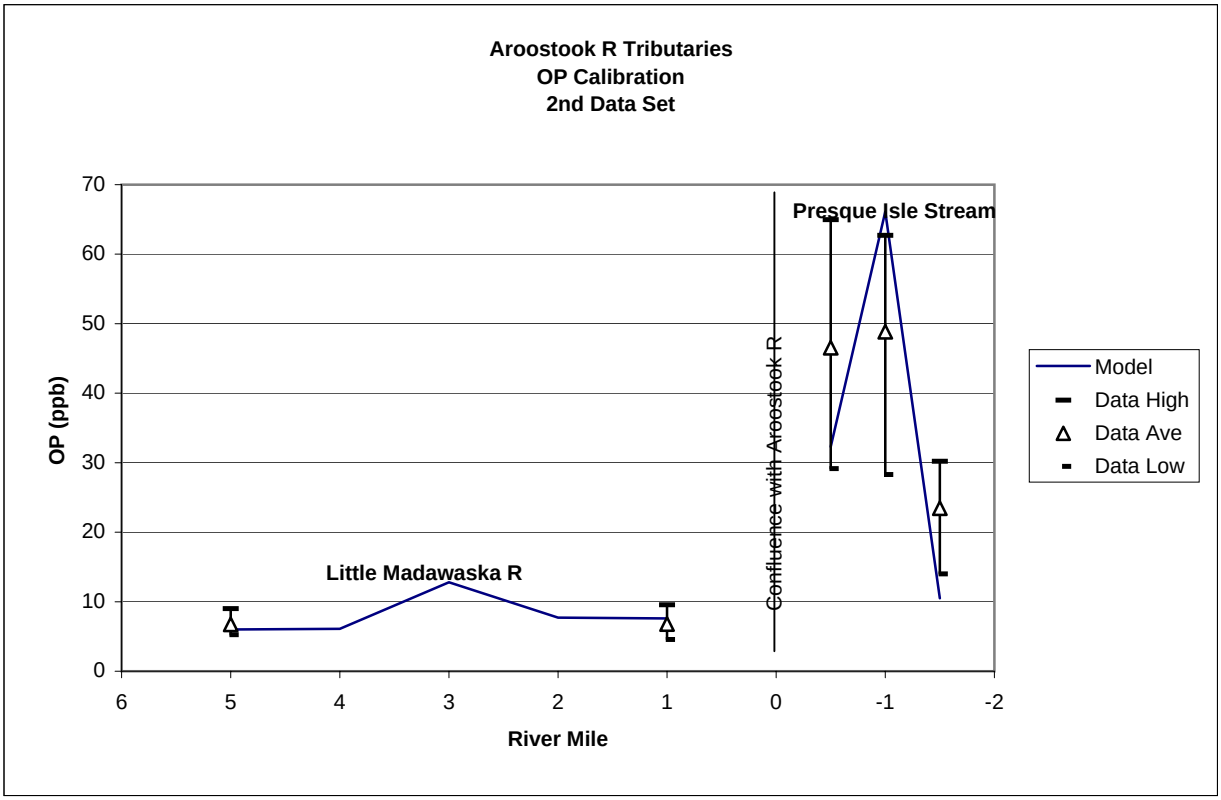
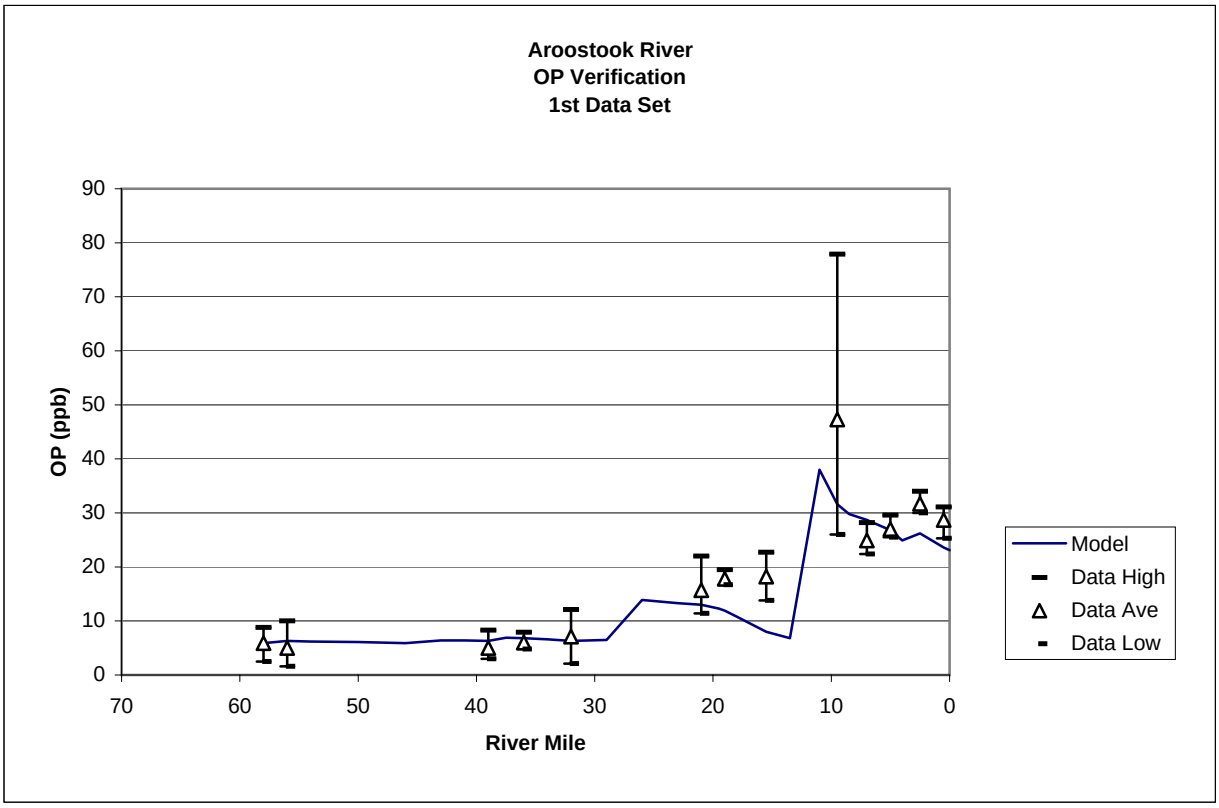


Figure 8b - Organic Phosphorus Verification - Aug 14 - 16 2001 Data Set



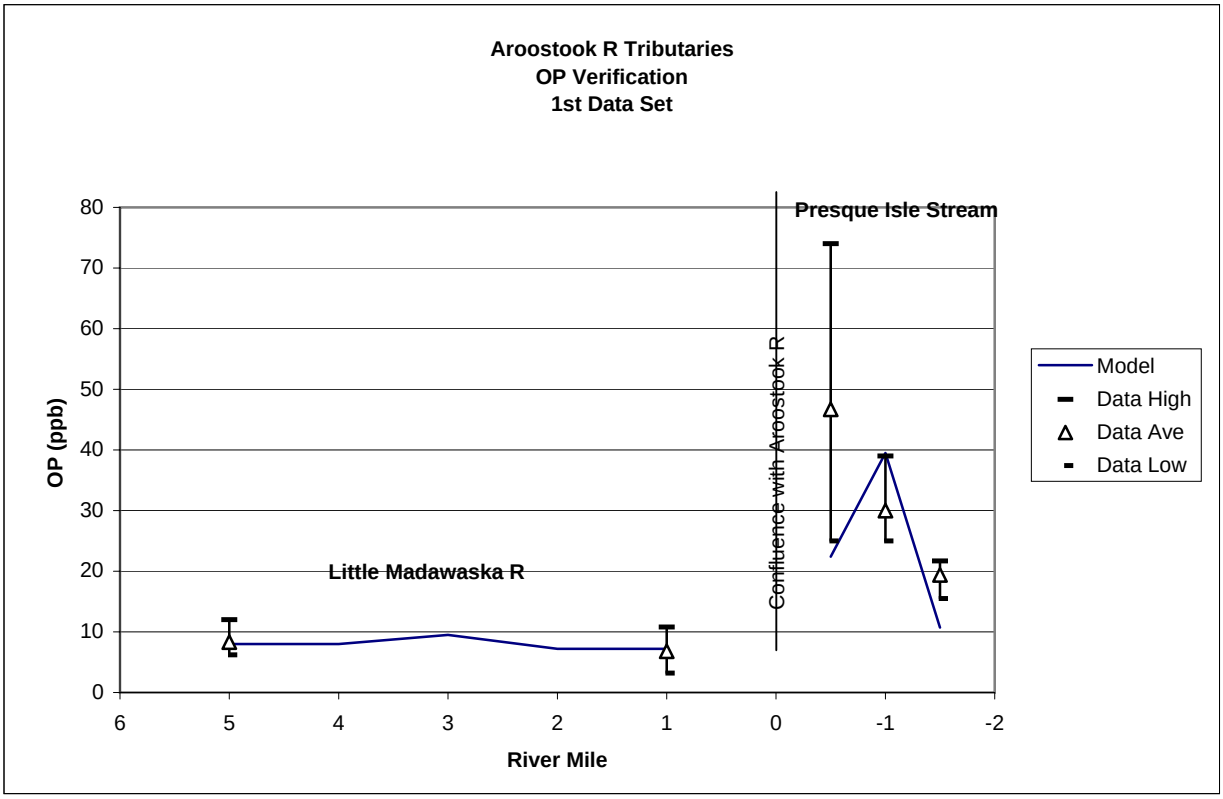
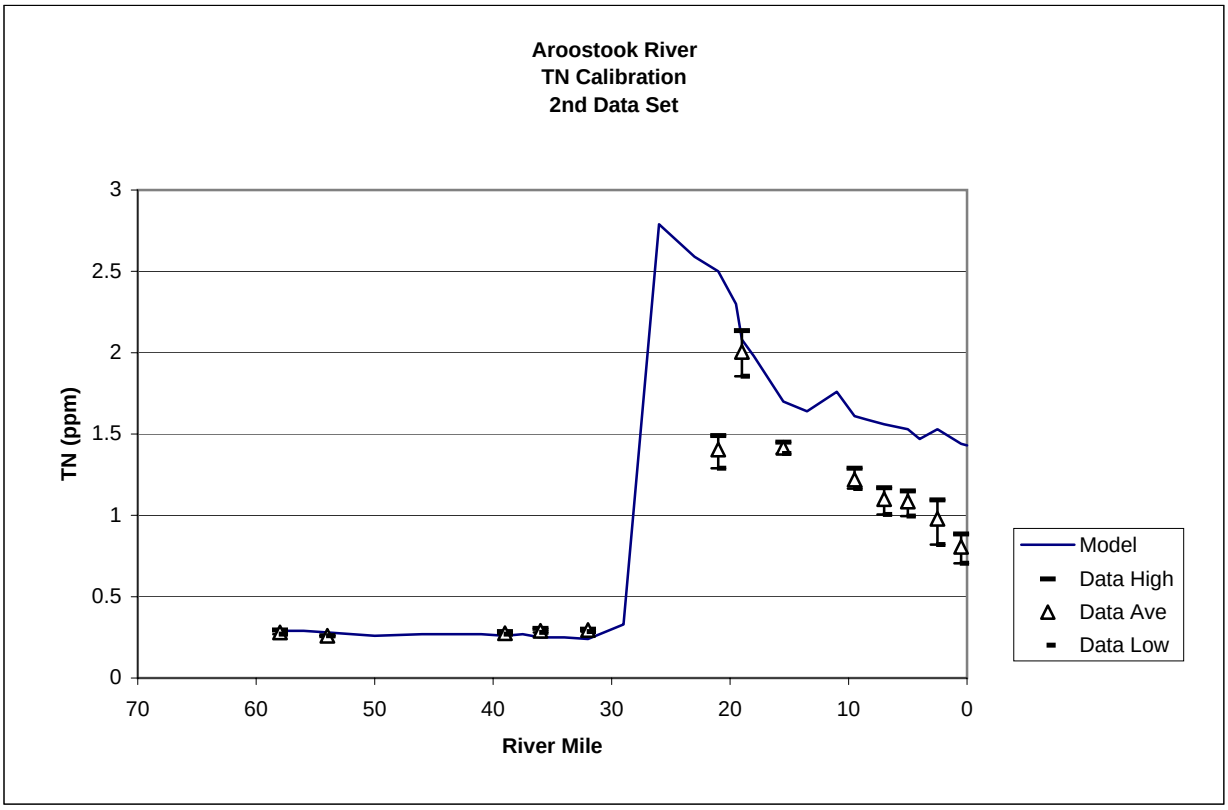


Figure 9a - Total Nitrogen Calibration - Aug 28 - 30 2001 Data Set



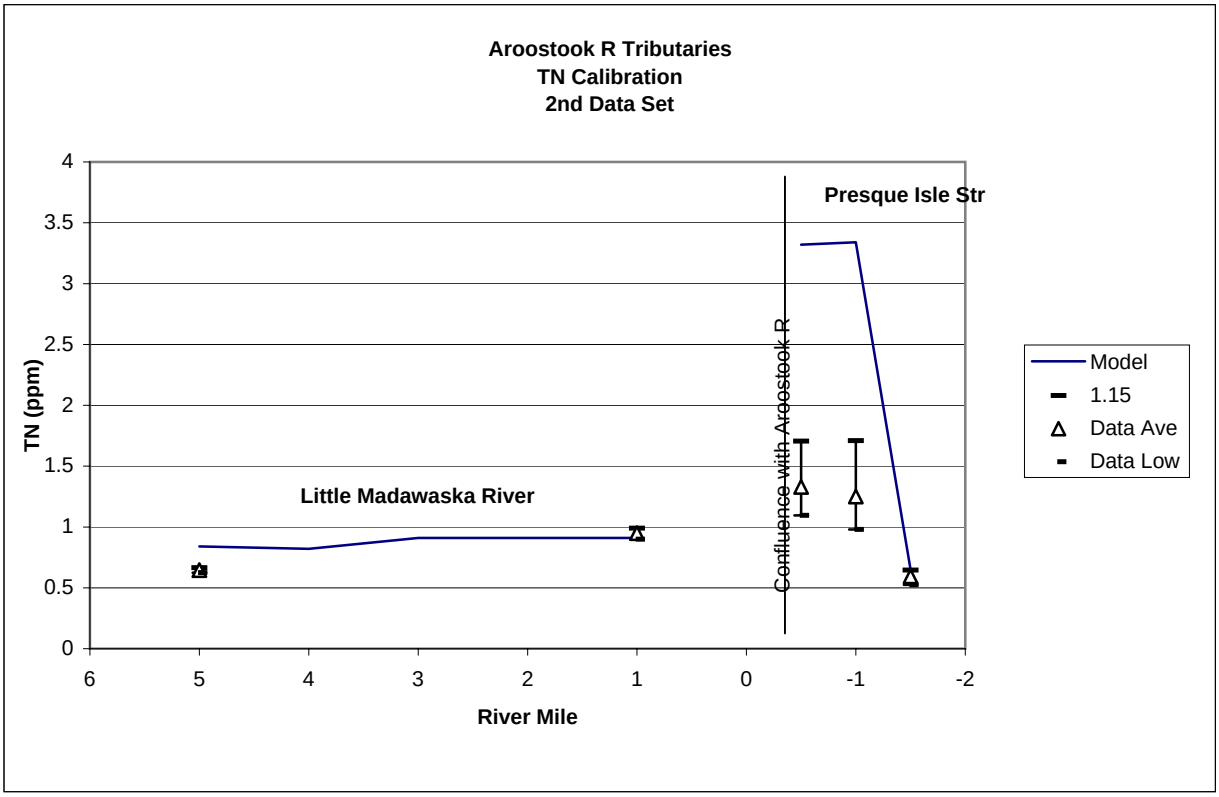
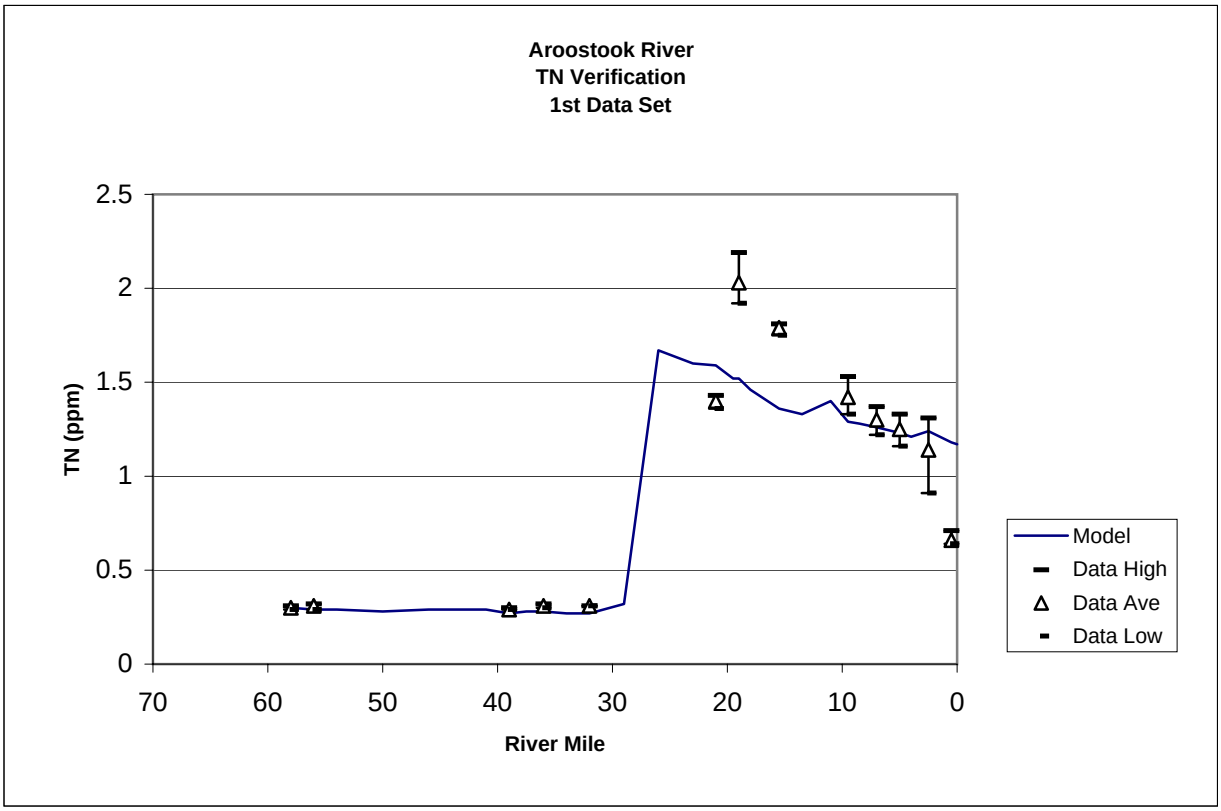


Figure 9b - Total Nitrogen Verification - Aug 14 - 16 2001 Data Set



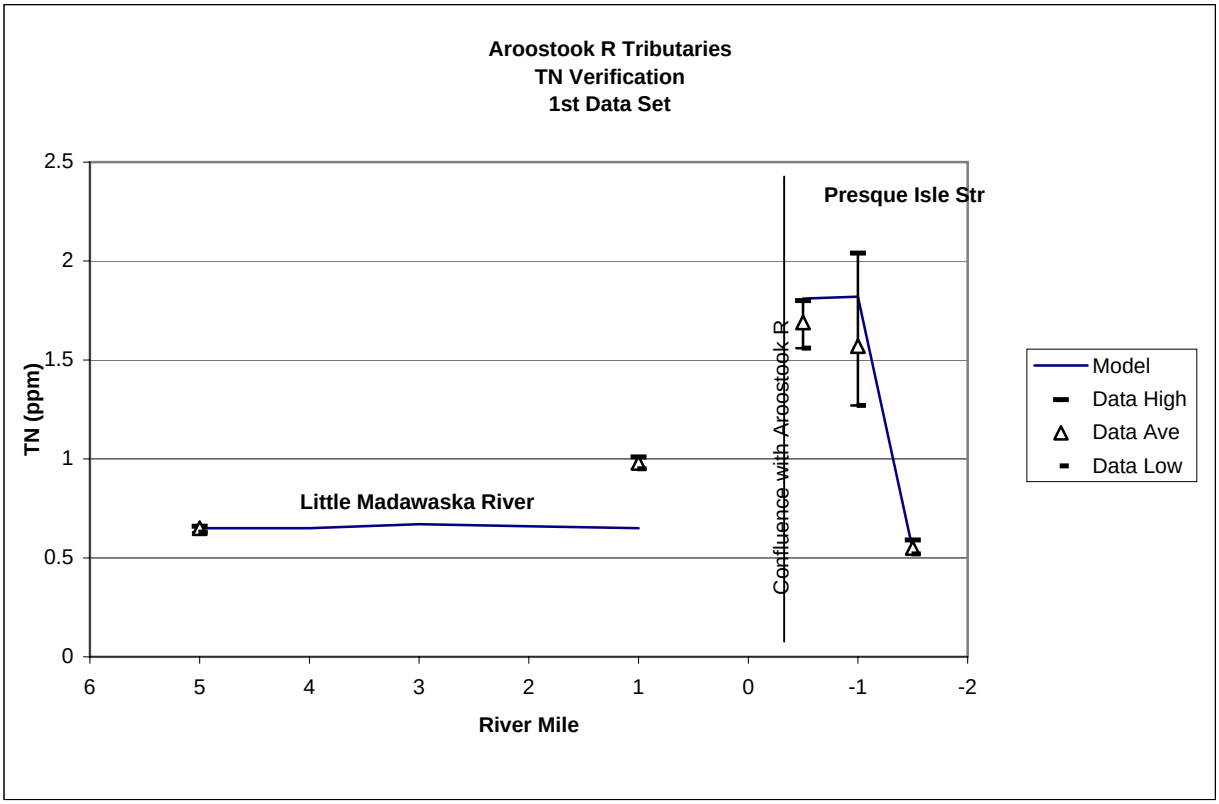
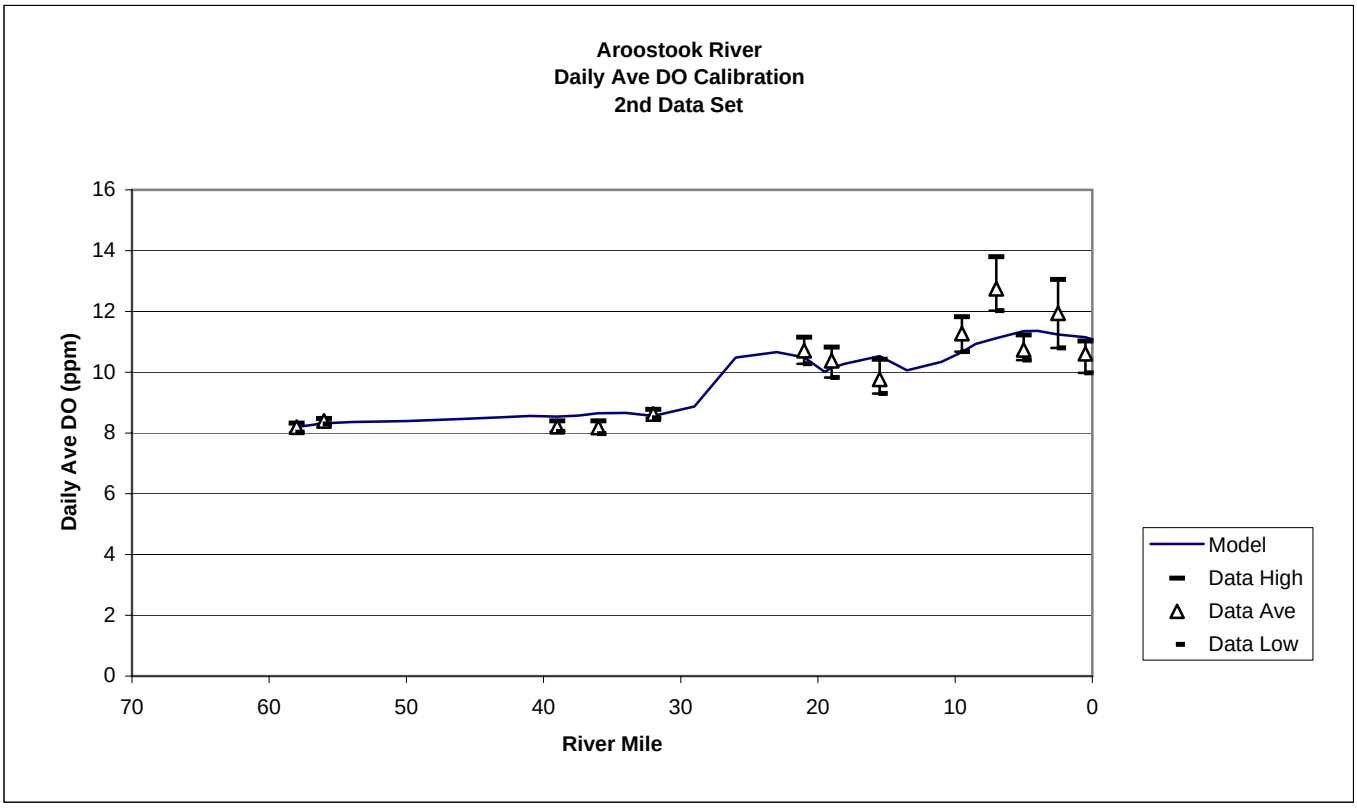


Figure 10a - Average Dissolved Oxygen Calibration - Aug 28 - 30 2001 Data Set



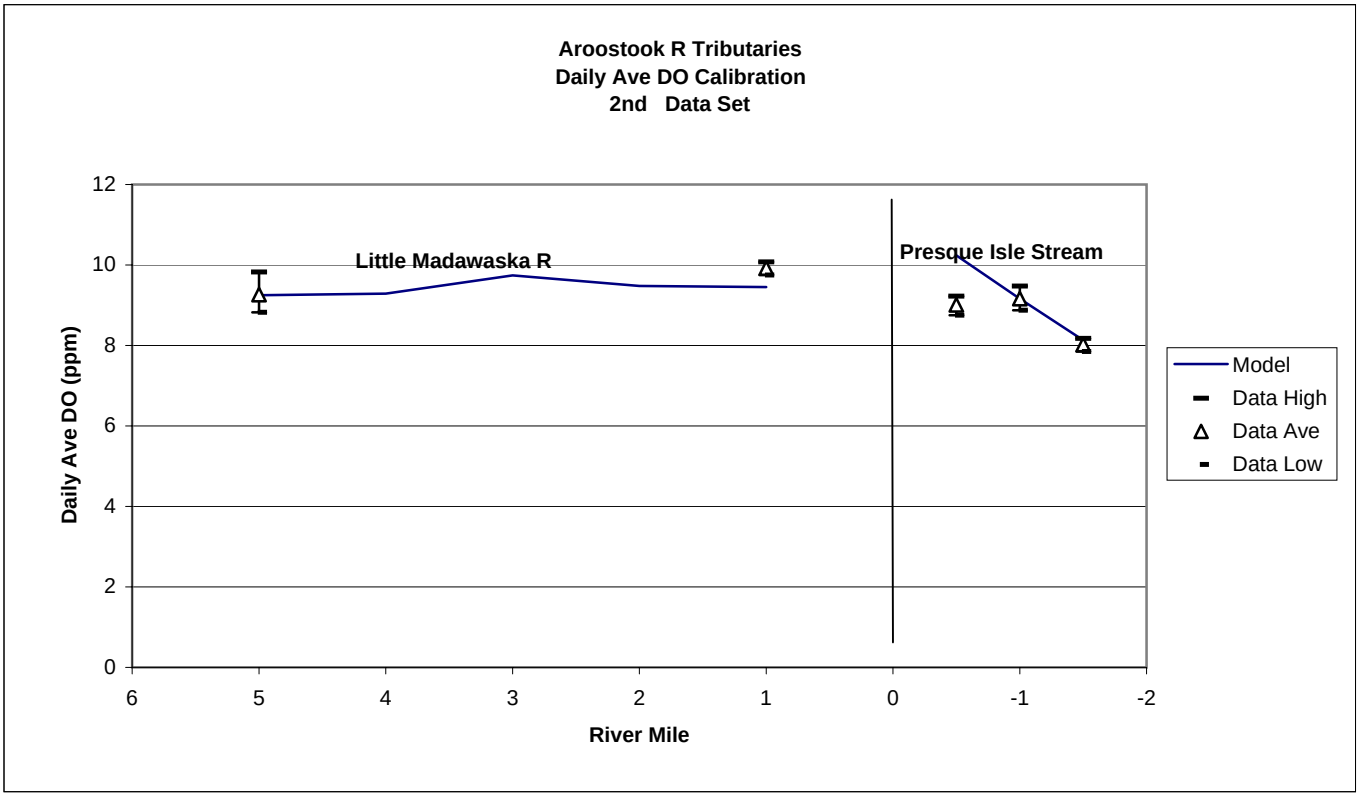
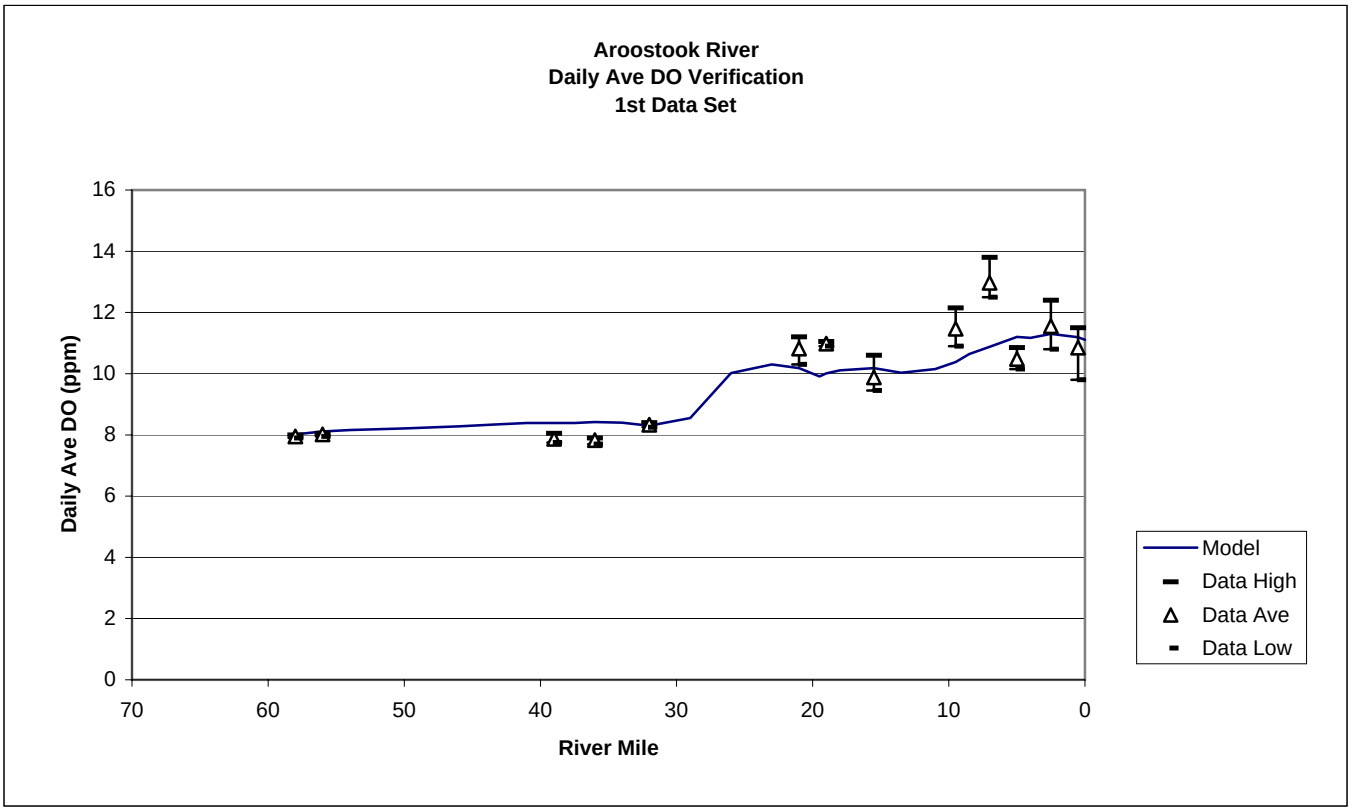


Figure 10b - Average Dissolved Oxygen Verification - Aug 14 - 16 2001 Data Set



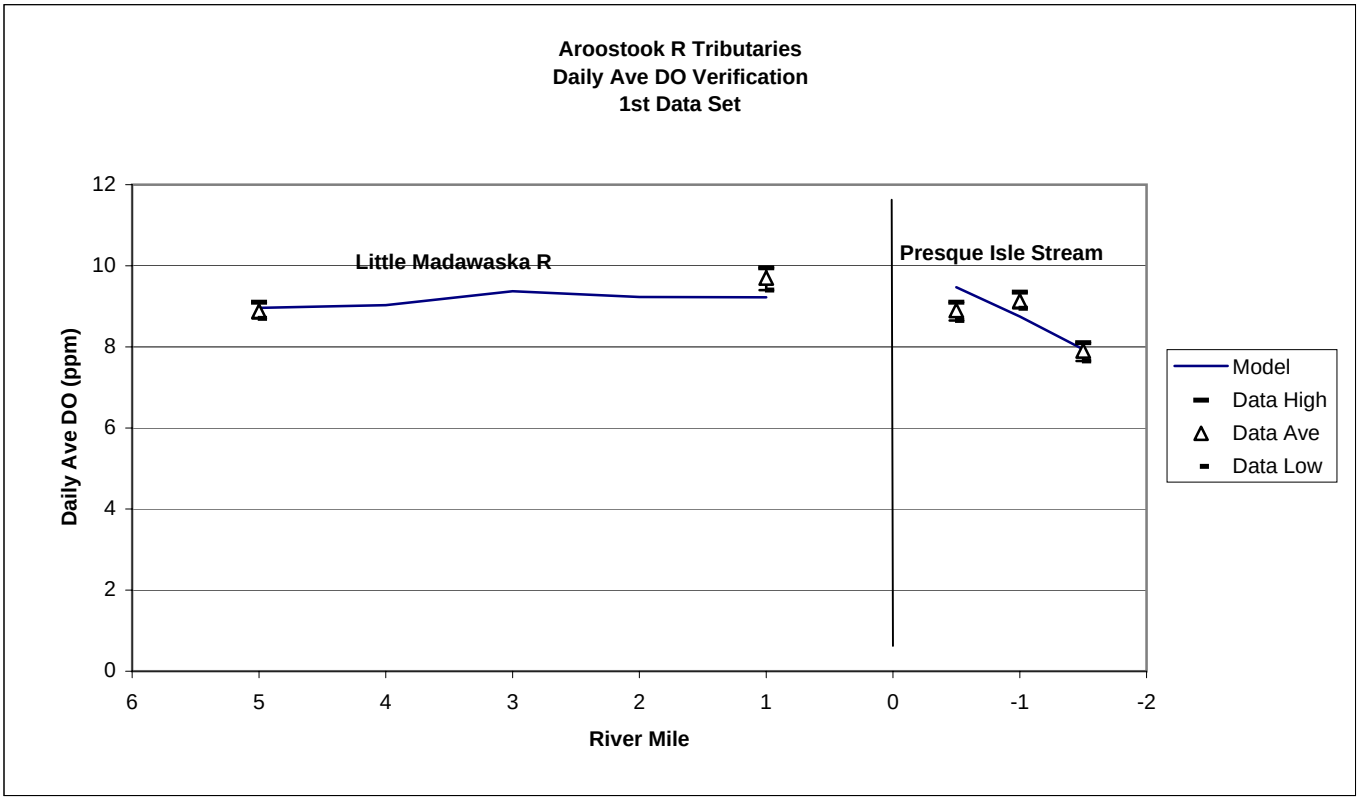
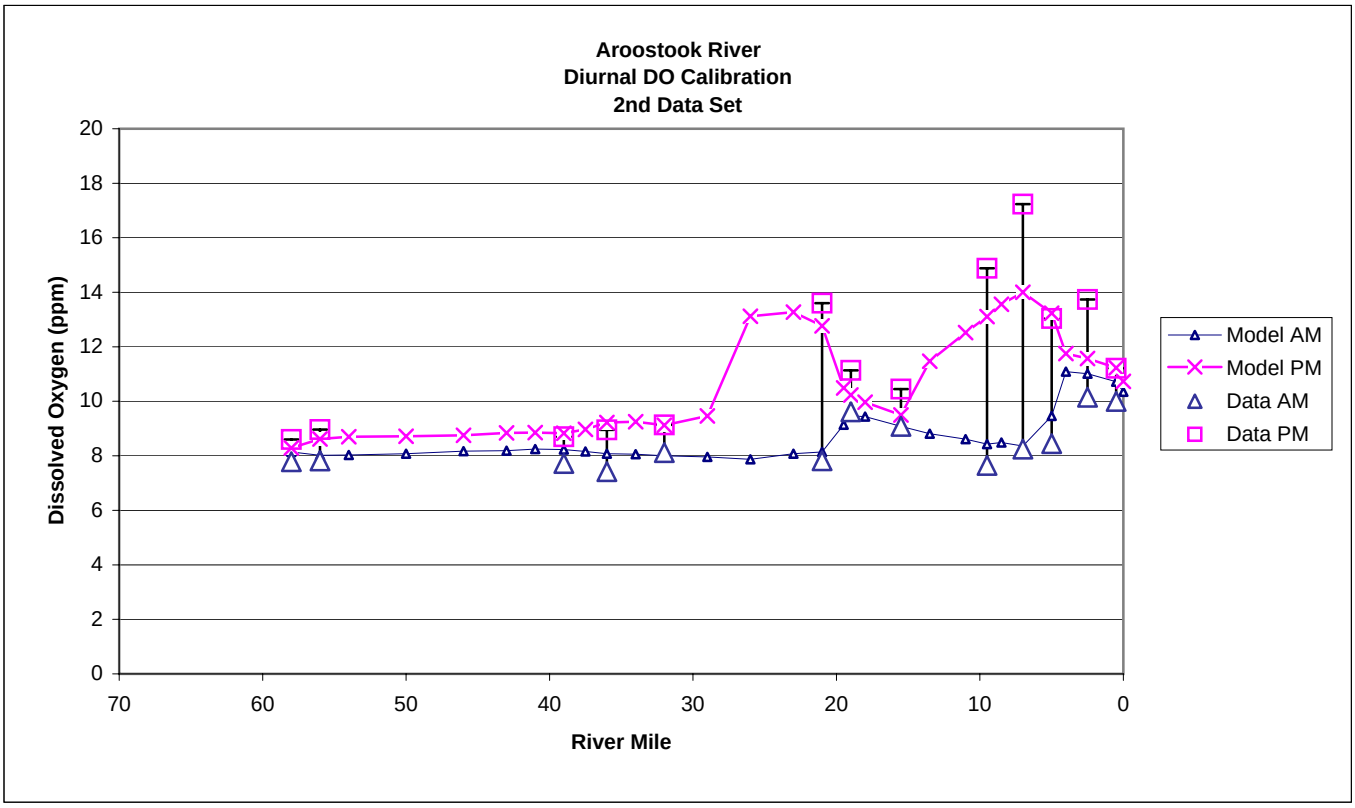


Figure 11a - Diurnal Dissolved Oxygen Calibration - Aug 28 - 30 2001 Data Set



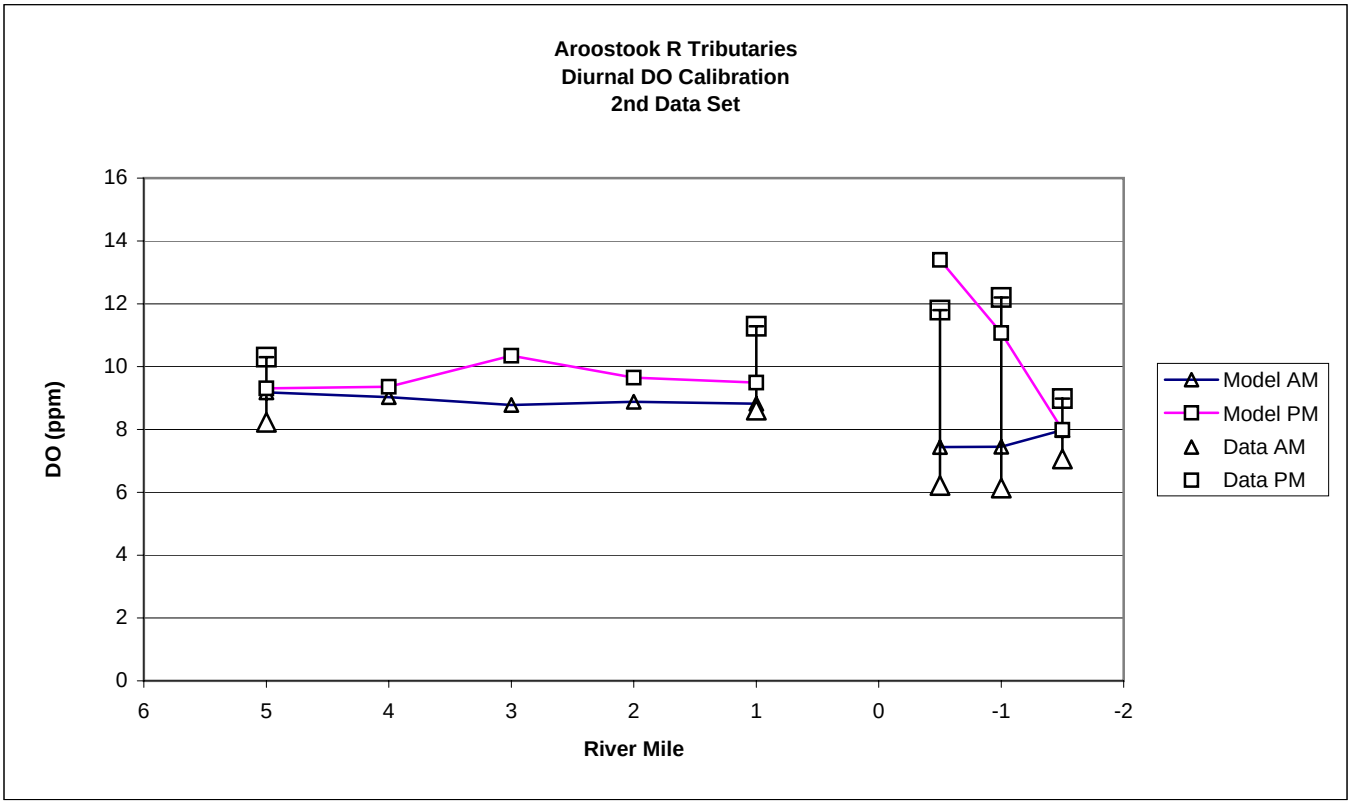
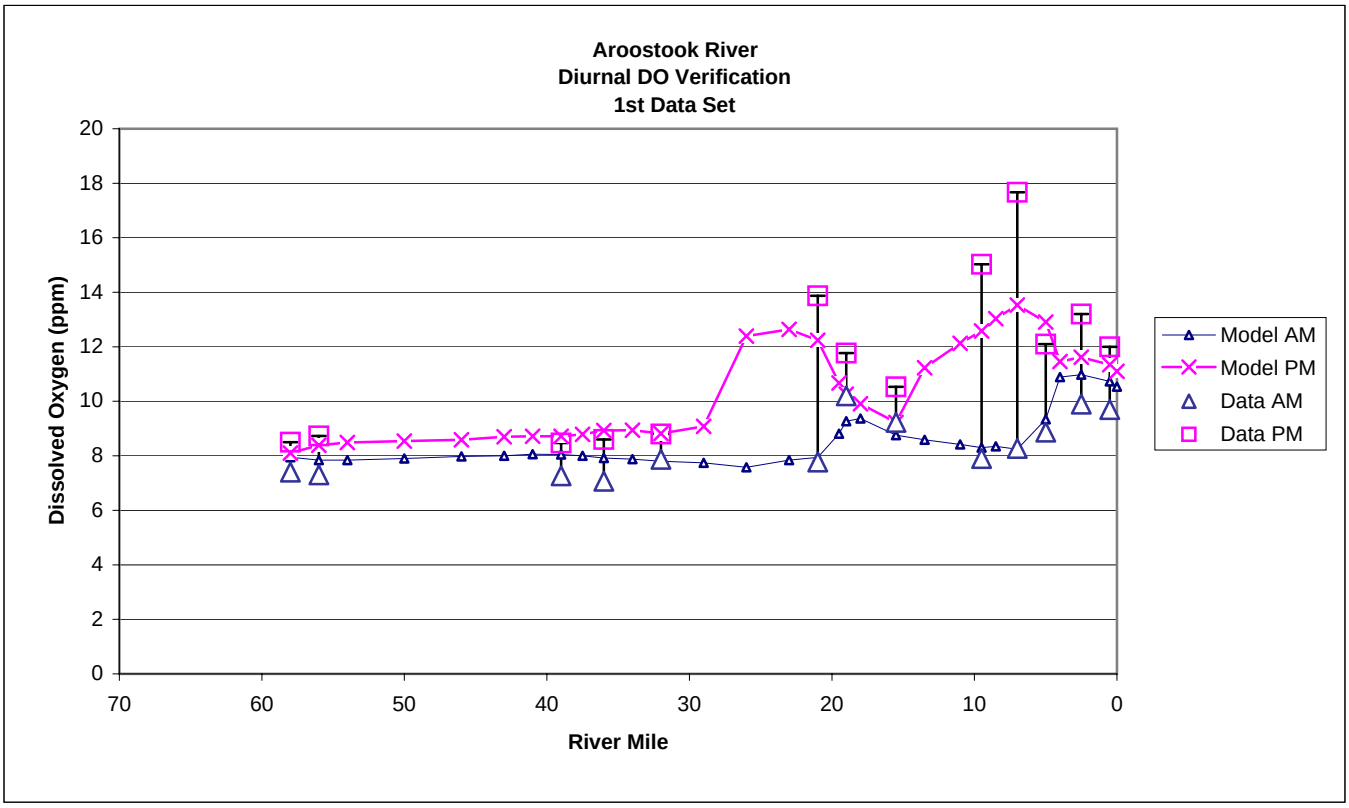


Figure 11b - Diurnal Dissolved Oxygen Verification - Aug 14 - 16 2001 Data Set



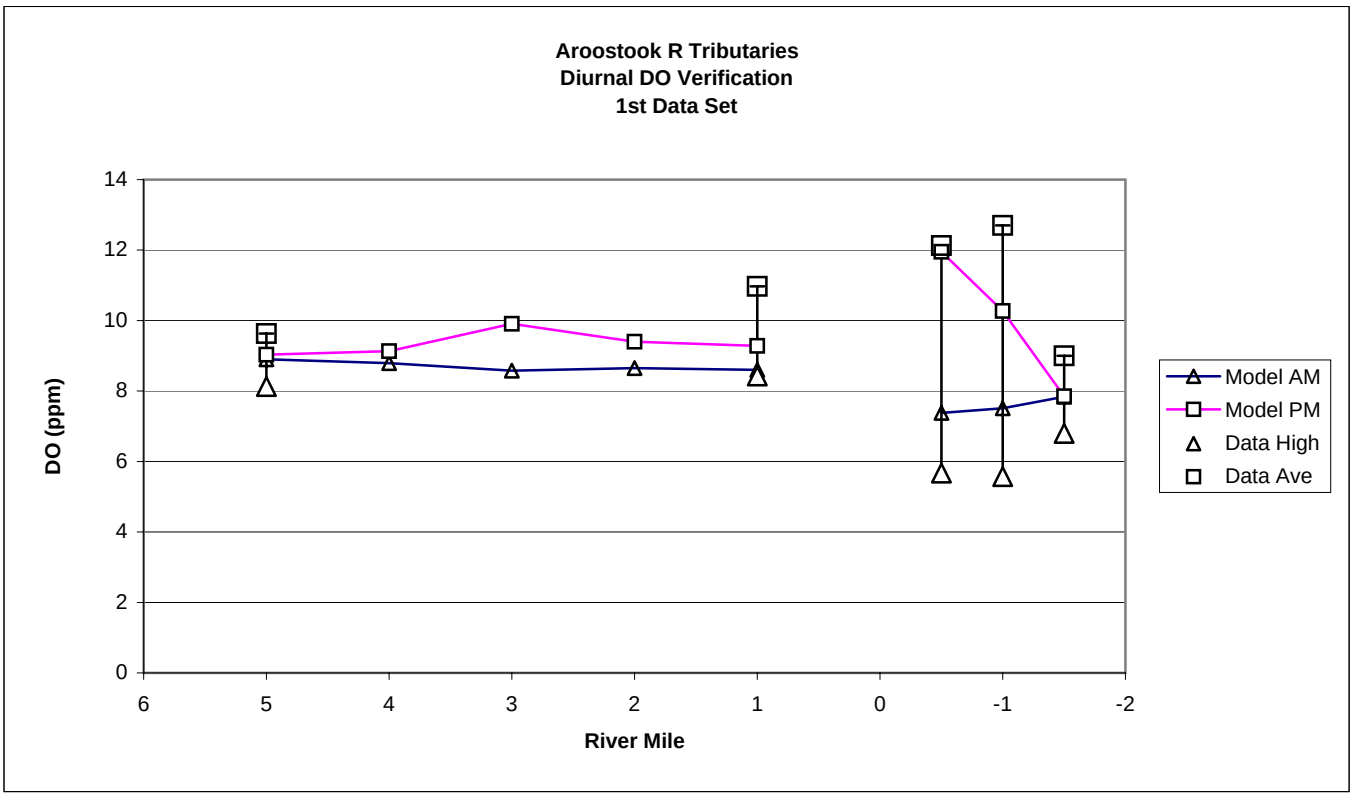
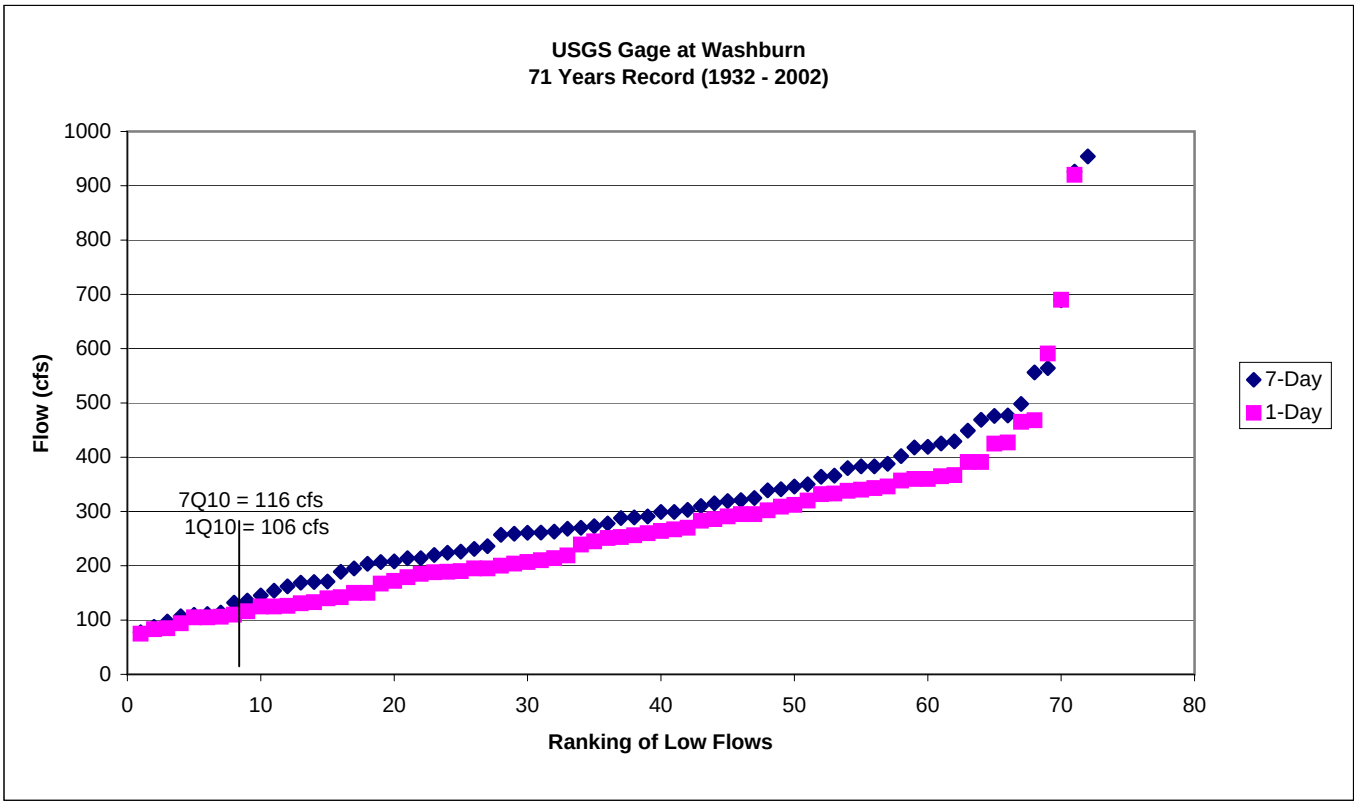


Figure 12 - Determination of 10-Year Low Flows



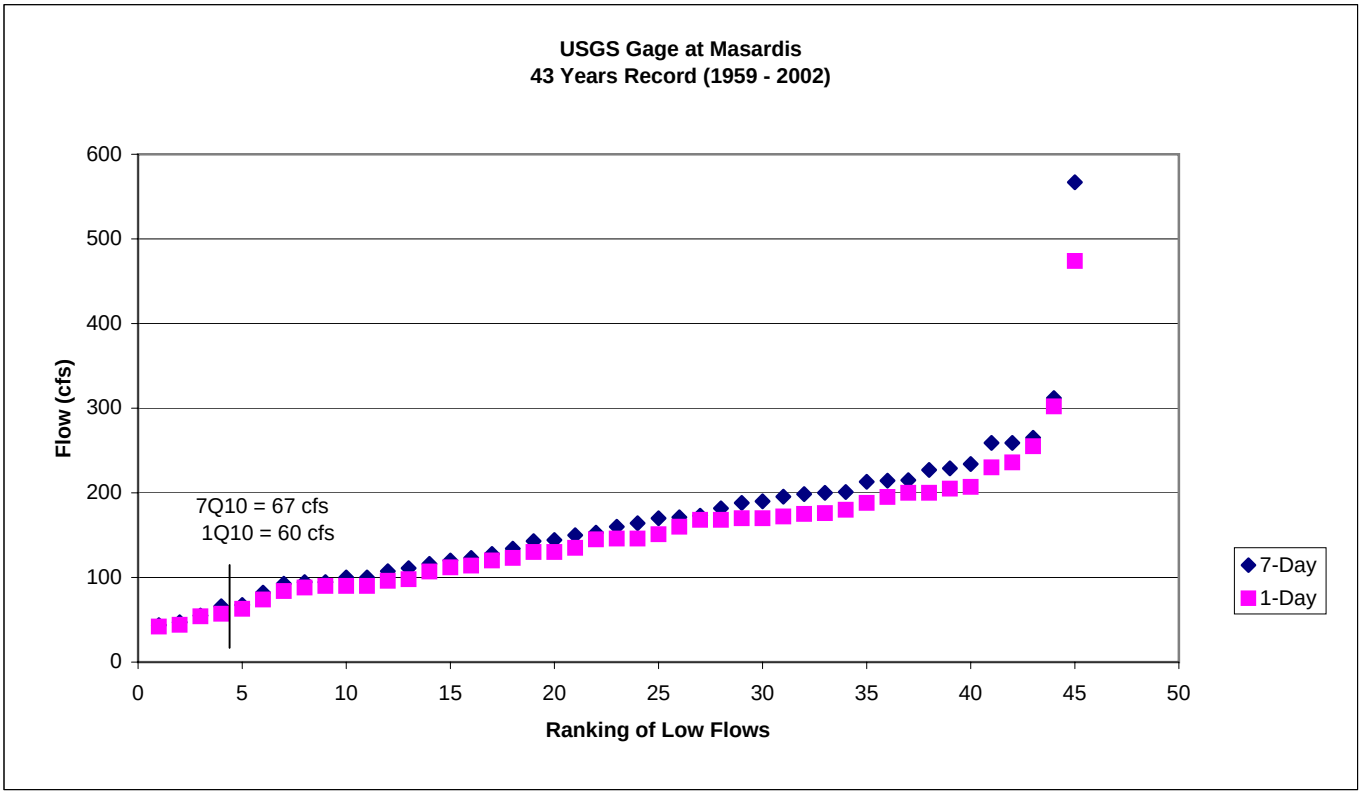


Figure 13
Model Prediction of Dissolved Oxygen at 7Q10 Flow

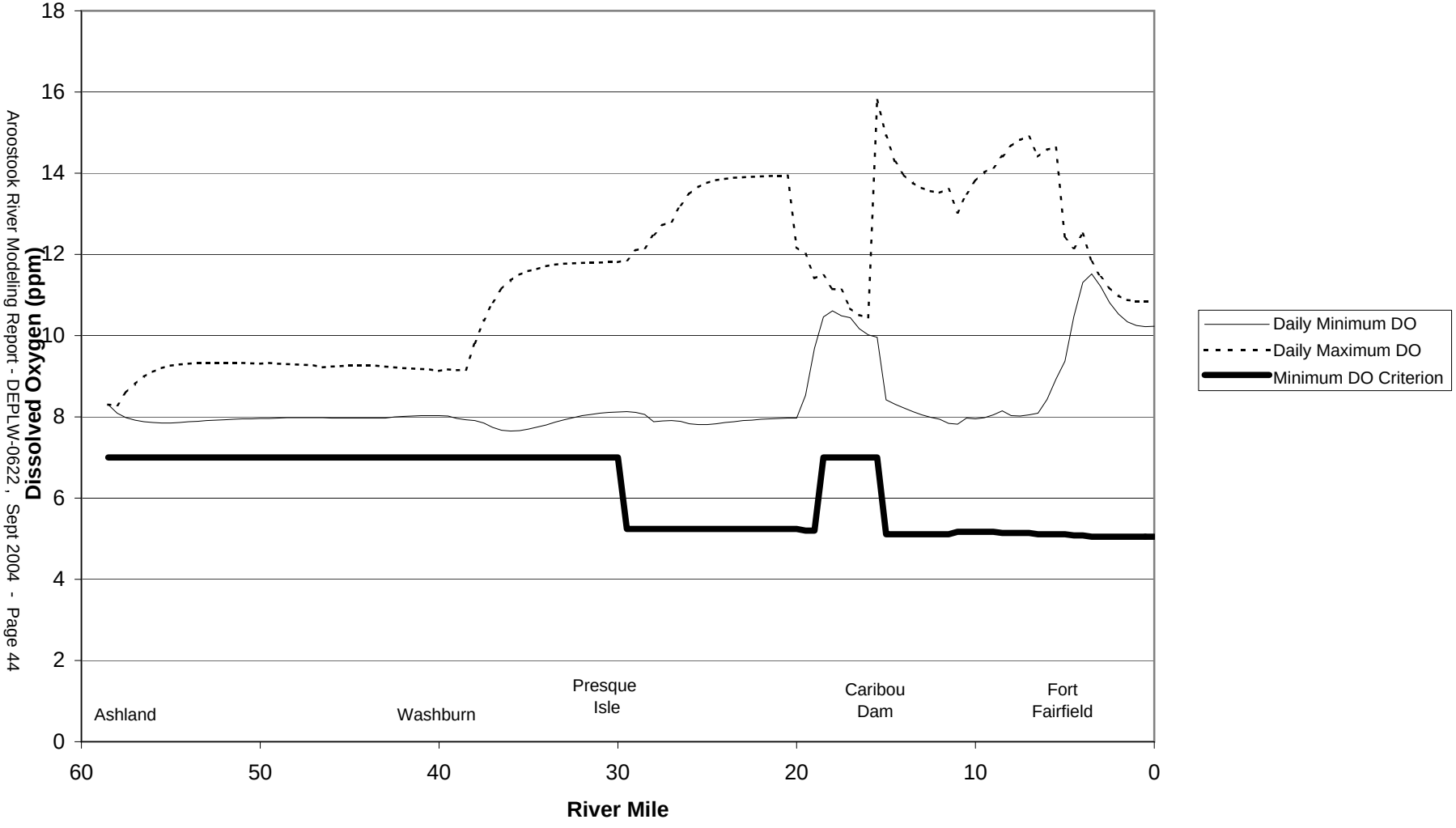


Figure 13a
Model Prediction of Minimum DO with Alternate Parameter Rates

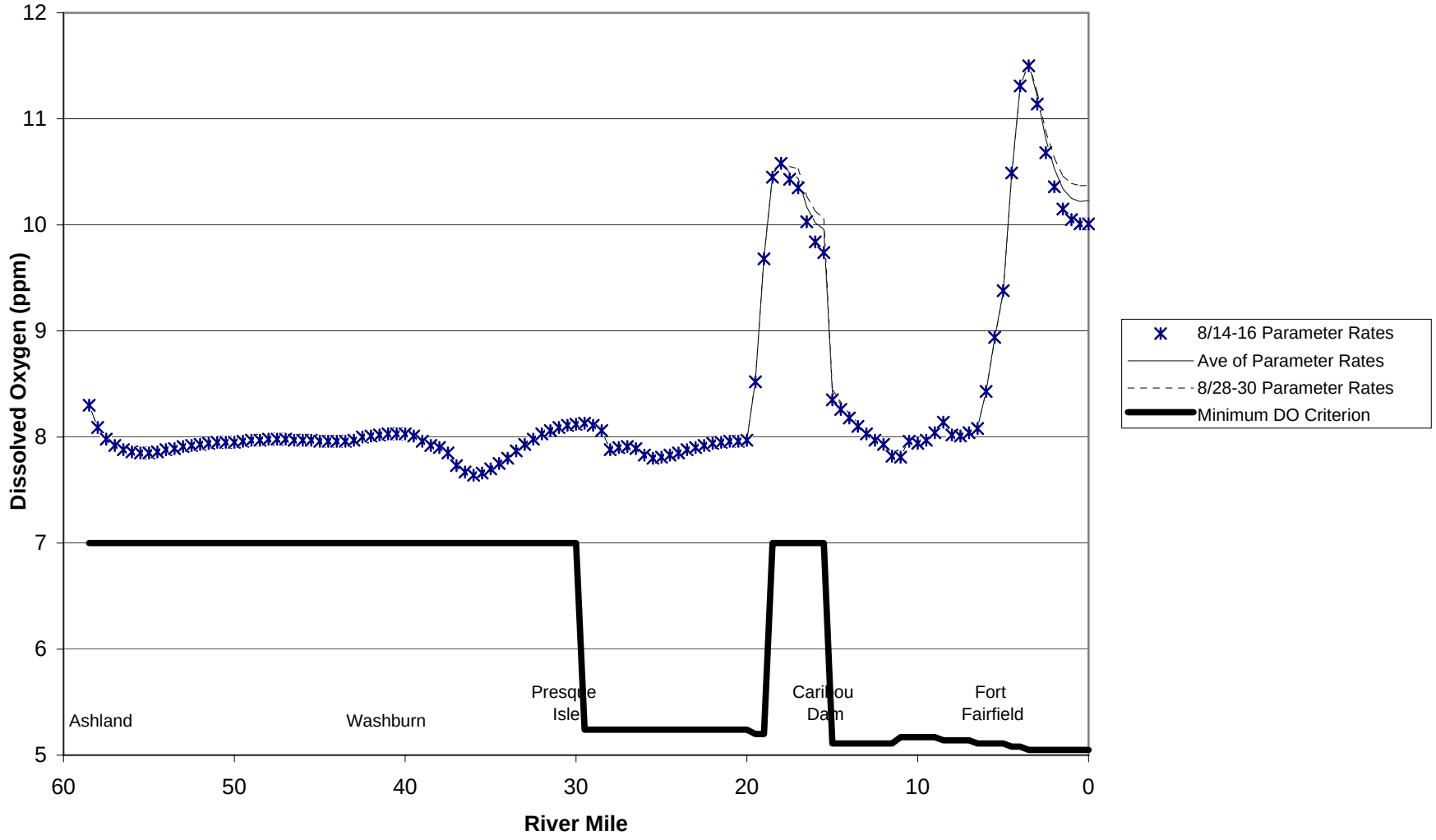


Figure 14
Model Prediction of Chlorophyll-a at 7Q10 Flow

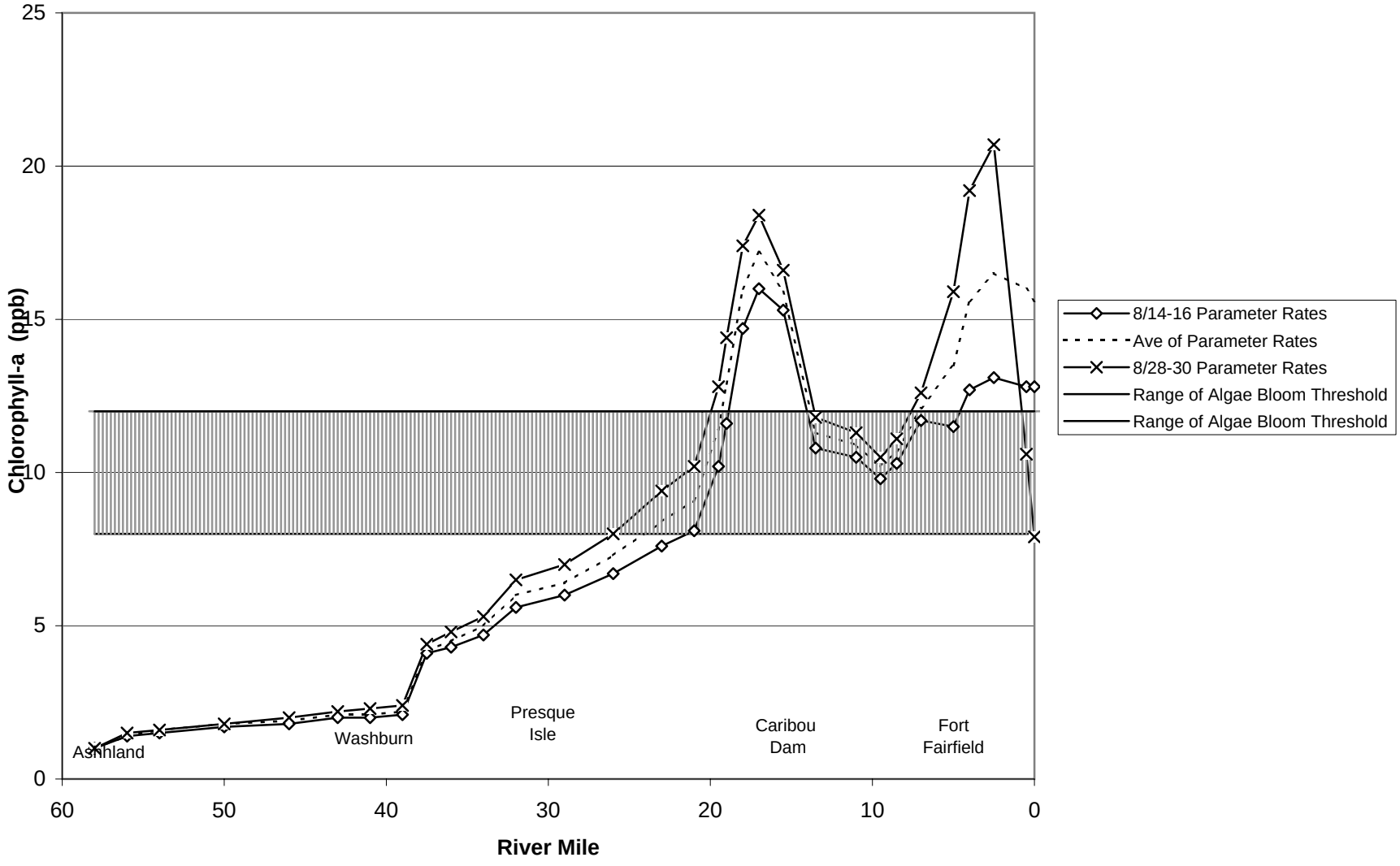


Figure 15
Model Prediction of Monthly Average Dissolved Oxygen at 30Q10 Flow

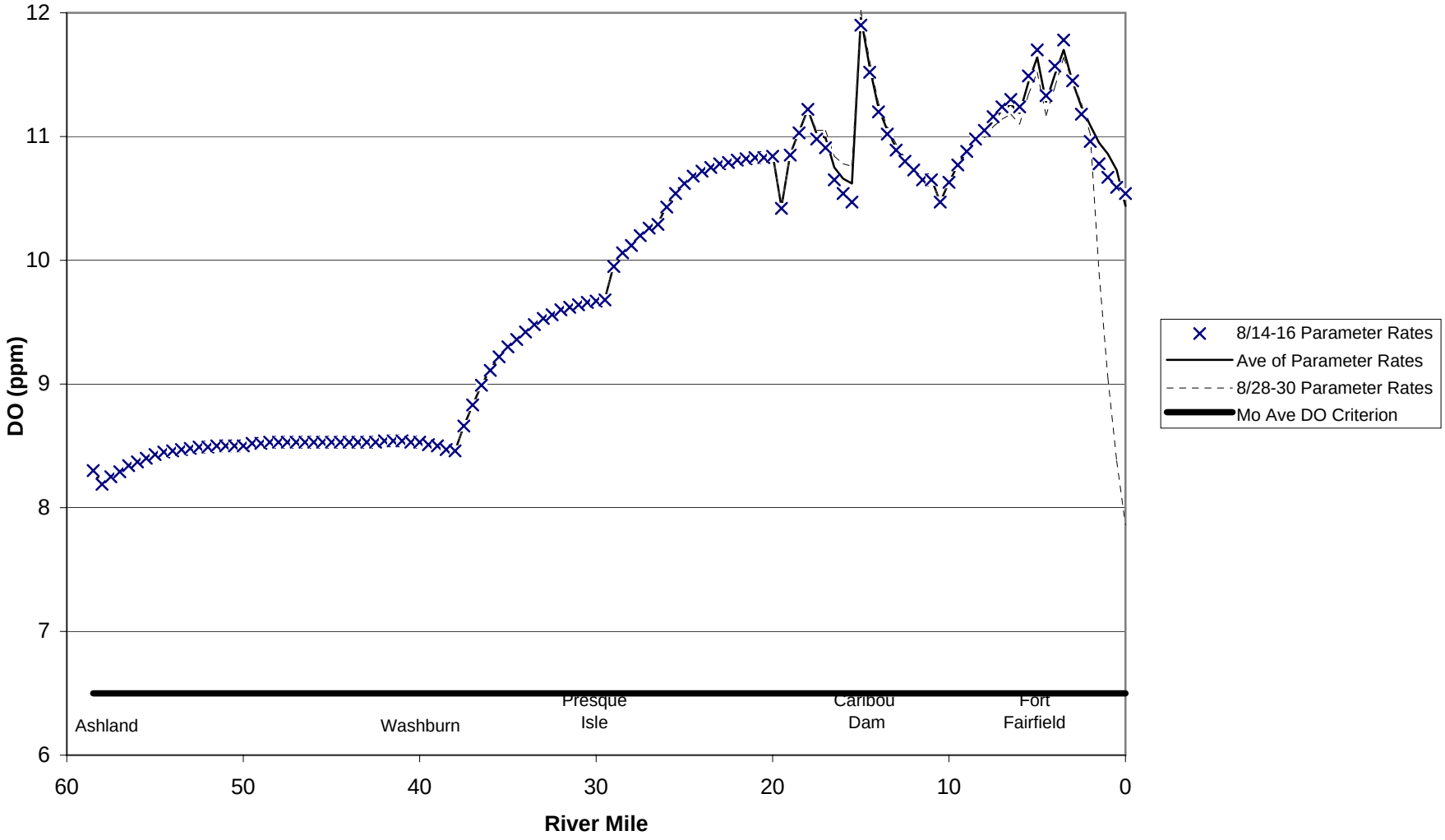
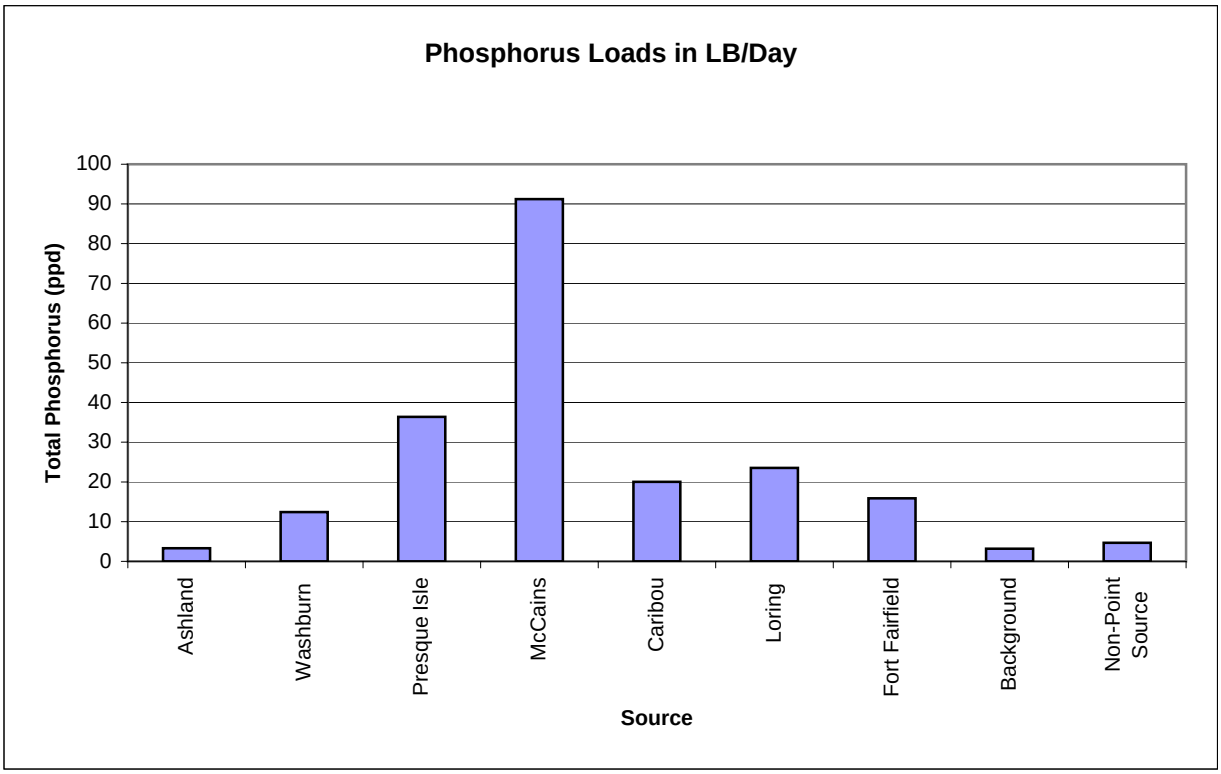


Figure 16 Phosphorus Loads to the Aroostook River at 7Q10 Flow

Note: McCains is limited by their waste discharge license to TP of 91 ppd as a monthly average. TP load for Presque Isle derived from 1995 data prior to phosphorus reducrtions from advanced treatment. Phosphorus loads for other point sources computed by the average concentrations and flows measured during the three-day surveys.



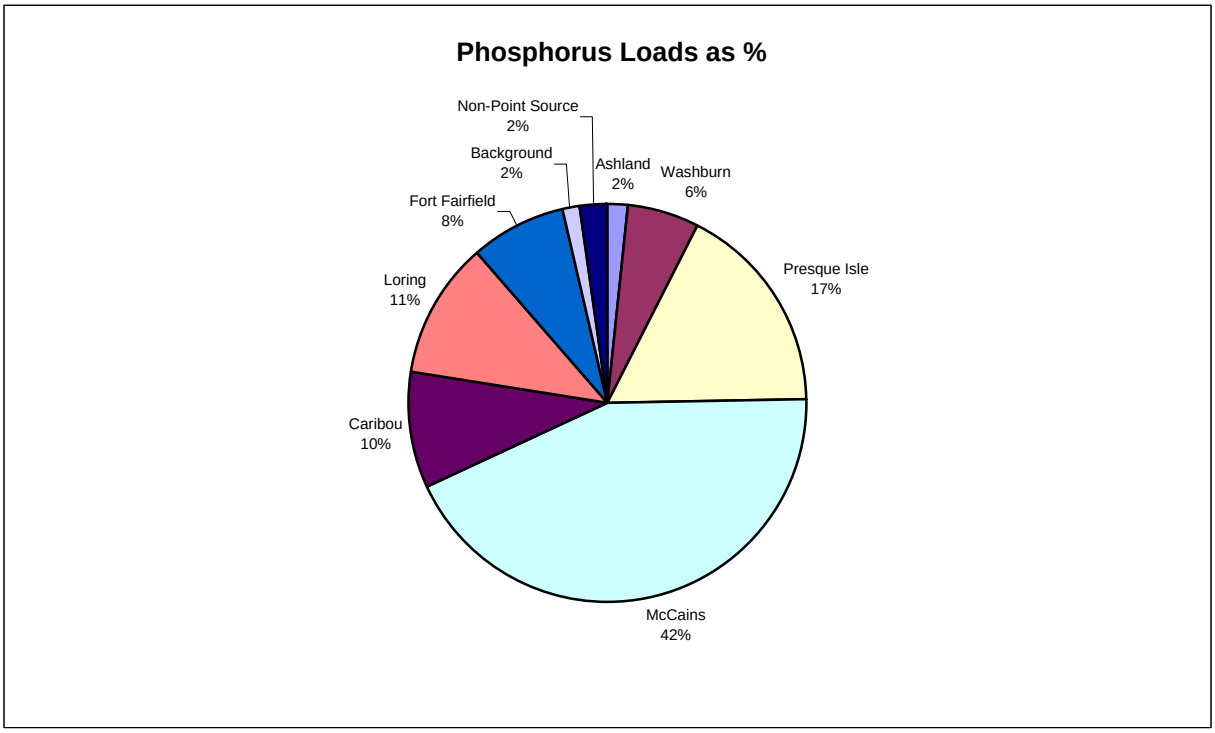
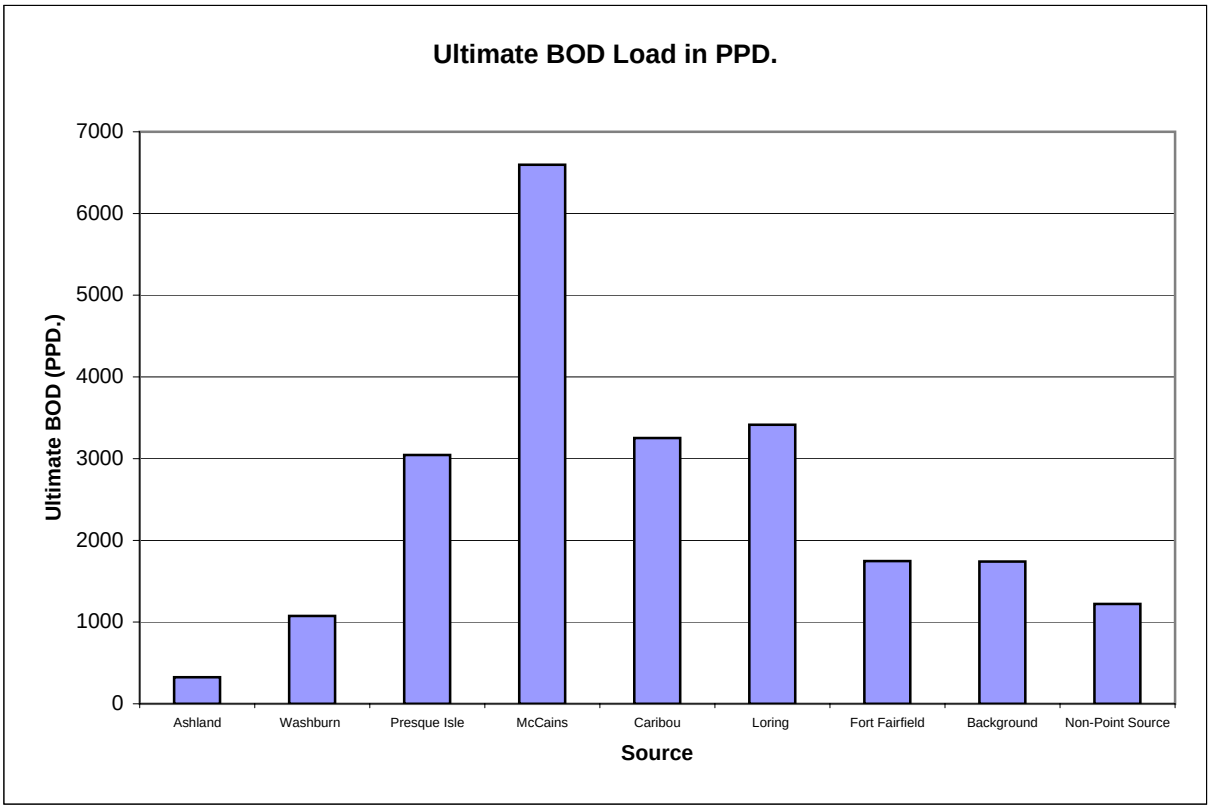
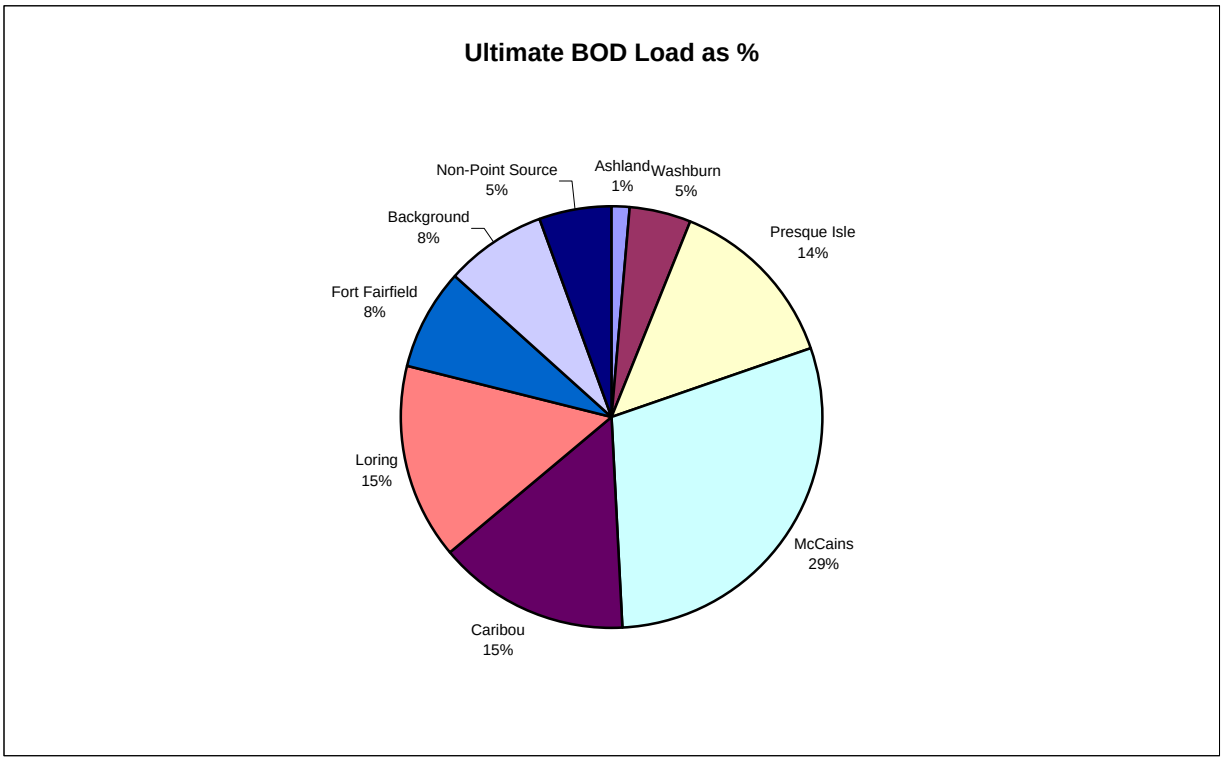


Figure 17 Ultimate BOD Loads to the Aroostook River at 7Q10 Flow





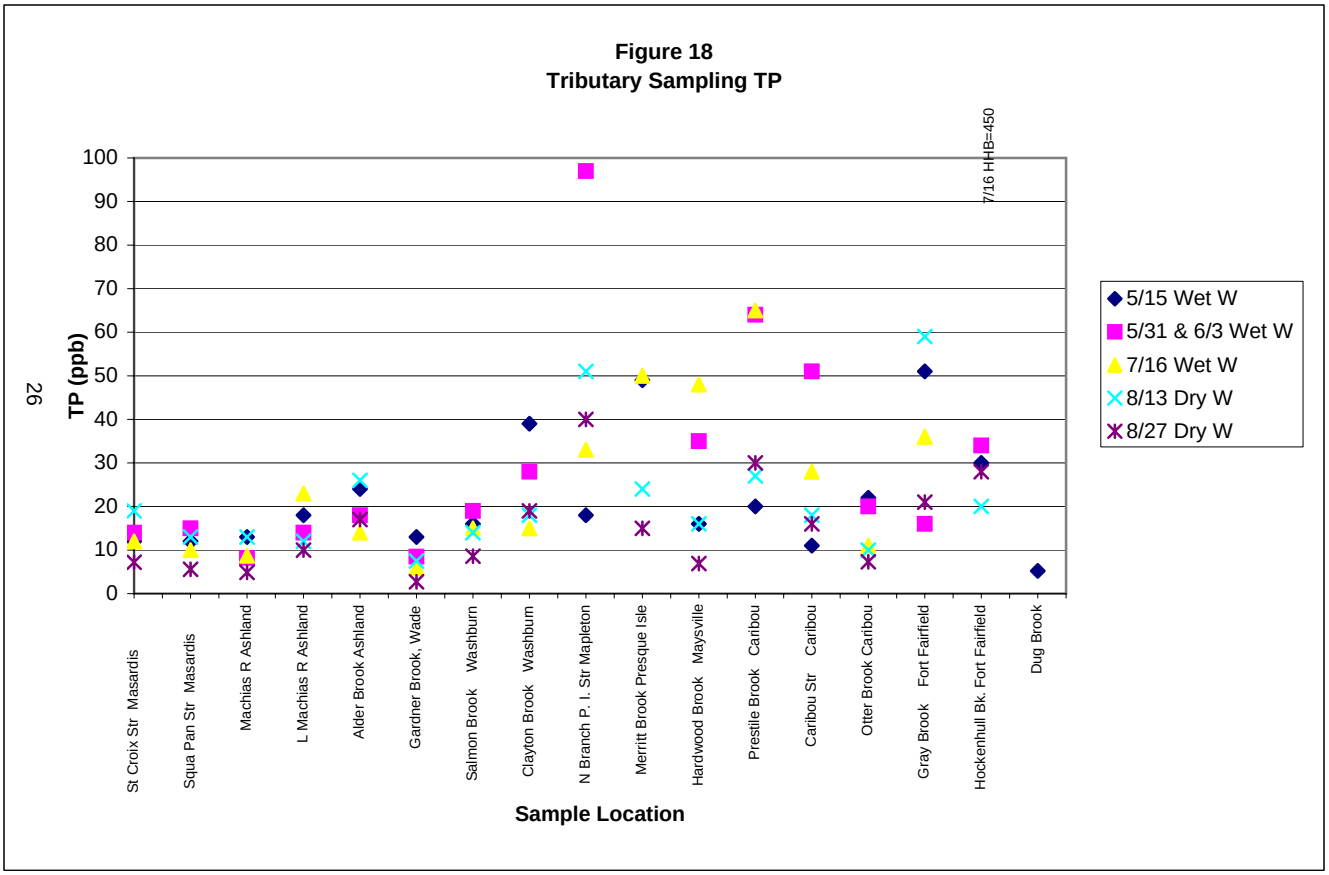


Table 11 – Non-Point Source Pollution Potential of Tributaries	
Tributary	NPS Pollution Potential
St Croix Stream, Masardis	Low
Squa Pan Stream	Low
Machias River, Ashland	Low
Little Machias River, Ashland	Low
Alder Brook, Ashland	Moderate
Gardner Brook, Wade	Low
Salmon Brook, Washburn	Low
Clayton Brook, Washburn	Moderate
North Branch Presque Isle Stream, Mapleton	High
Merritt Brook, Presque Isle	High
Hardwood Brook, Maysville	High
Prestile Brook, Caribou	High
Caribou Stream, Caribou	High
Otter Brook, Caribou	Low
Gray Brook Fort Fairfield	High
Hockenhull Brook, Fort Fairfield	High