

To: <u>Brad Johnson, HDR</u>	
From: <u>Dave Minner and John Koreny, HDR</u>	Project: <u>WRIA 35 Phase II Asotin and Alpowa Creek Sub-Basins Hydrogeology Assessment</u>
CC: <u>Ben Floyd, Kevin Lindsay</u>	
Date: <u>November 19, 2008</u>	Job No: <u>79143</u>

**RE: Field Report: Ground Water Level Field Monitoring**

This is a field report of the ground water level measurements conducted in late October and early November of 2008 in the Alpowa and Asotin Creek basins by HDR (Dave Minner) and GSI (Molly Reid and Erin Carroll). Brad Johnson of Asotin PUD assisted with arranging visits to individual residences. Static water levels were measured in domestic residential wells in and around the Asotin Creek and Alpowa Creek sub-basins over a period of 10 days. At each of the well locations a GPS measurement was recorded (x, y and z), the depth to the water surface was measured, the well was photographed and the well user was asked questions about their daily water use. At each location the water level probe was disinfected with a bleach solution before and after the measurement.

At the conclusion of the field work, about 55 residences were visited and the owners interviewed regarding water use practices and about 40 ground water level measurements were collected. The attached map on Figure 1 displays the location of the wells that have been measured. In eight of the wells a water level was not able to be measured because part of the well restricted probe access. Well logs have currently been matched to 35 of the wells.

Analysis of the data is currently on going. Further ground water level data collection is recommended to better understand the ground water levels and aquifer directions. Additional well measurements in the Cloverland Area, along Peola Road and along US Highway 12 would provide greater coverage of ground water levels in aquifers within the basins. We propose conducting one additional week of ground water level monitoring during December. Although this work is out of scope from our existing scope of services, we believe that we can fit it into the existing budget and the additional information collected justifies spending additional time in the field.

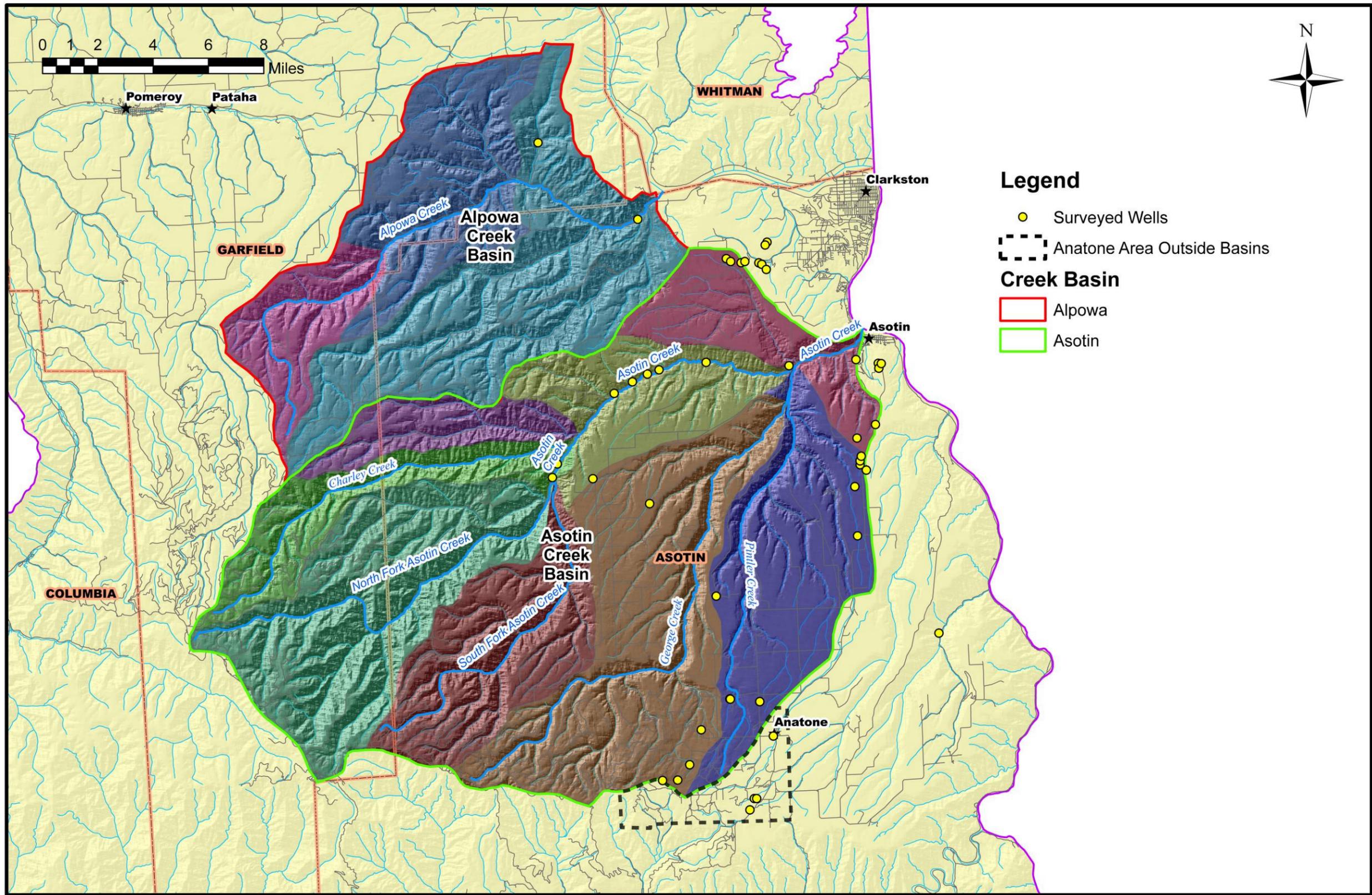


Figure 1 Locations of Ground Water Wells Sampled from October 27 to November 7, 2008