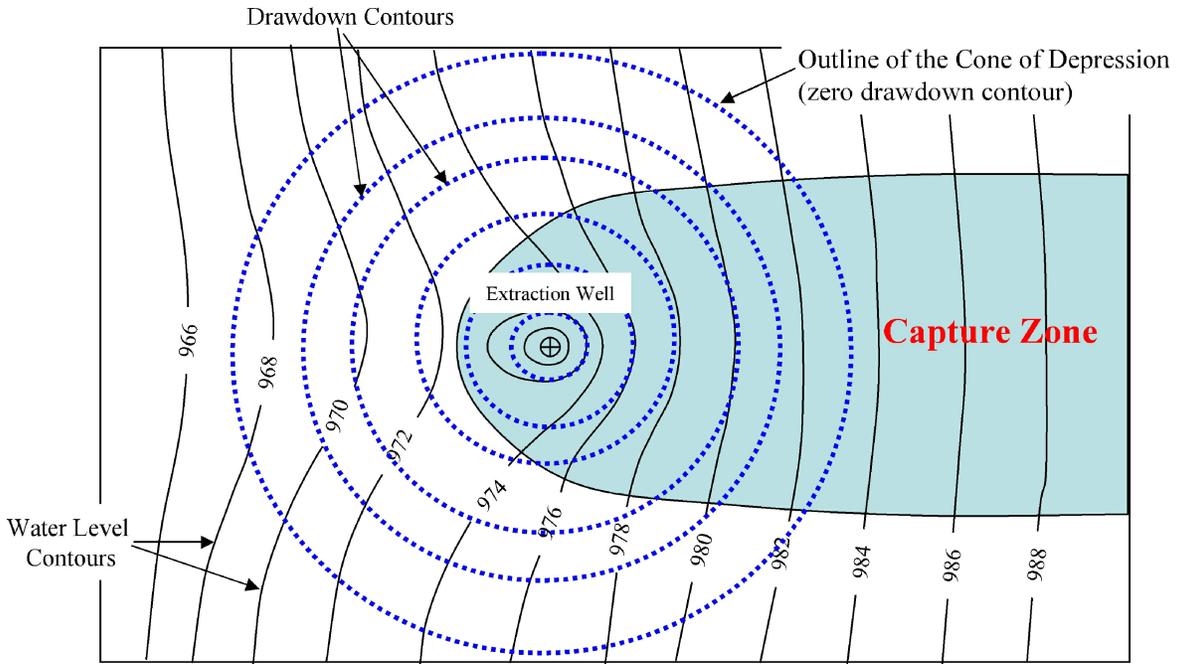
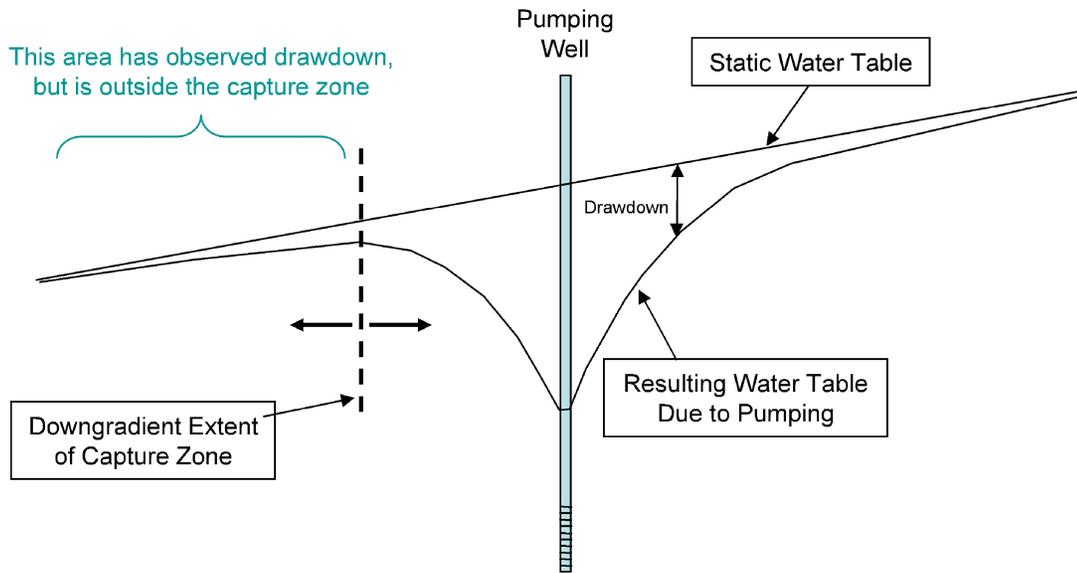


Nov 30, 2009 - 3:57pm rjohnson
 P:\Arco-Yerington\Site-Wide Groundwater Remedial Investigation\136739 - Year 2009 Files\CAD\Drawings\Supp PWS Letter Report Dec 09\Figure 9 - Difference Drawdown Capture.dwg

Drawdown and Capture are Not the Same



Cross-Section View: Difference Between Drawdown and Capture



Drawdown is the change of water level due to pumping. It is calculated by subtracting water level under pumping conditions from the water level without pumping.

Cone of Depression is the region where drawdown due to pumping is observed.

Capture Zone is the region that contributes the ground water extracted by the extraction well(s). It is a function of the drawdown due to pumping and the background (i.e., without remedy pumping) hydraulic gradient. The capture zone will only coincide with the cone of depression if there is zero background hydraulic gradient.



Date: Sept 2009

Atlantic Richfield
Company

Project: 136739

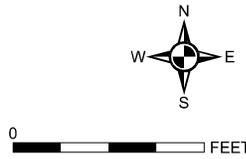


Figure 9

Difference Between Drawdown and Capture