

# USGS – Cache Valley Ground-water Monitoring

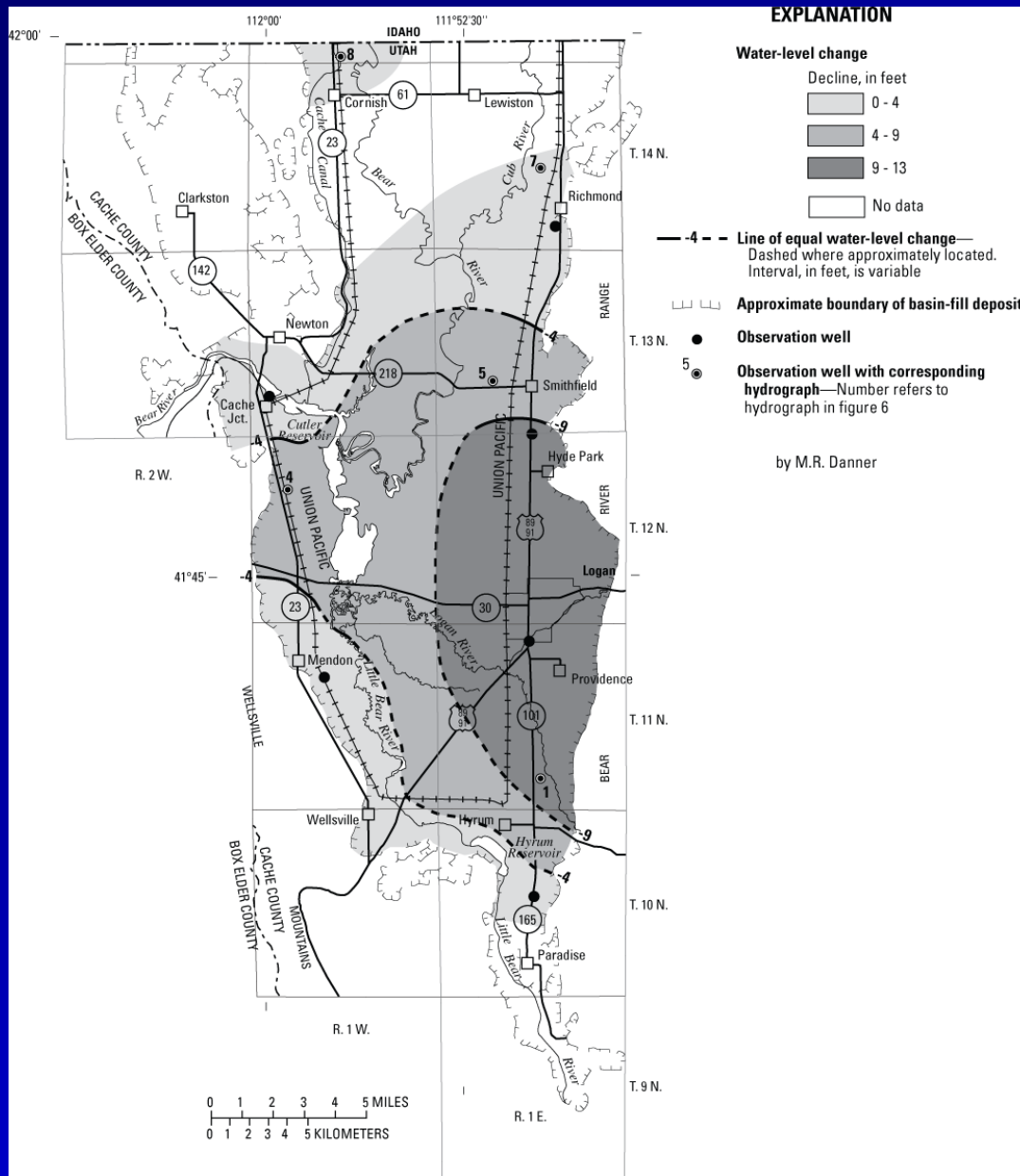


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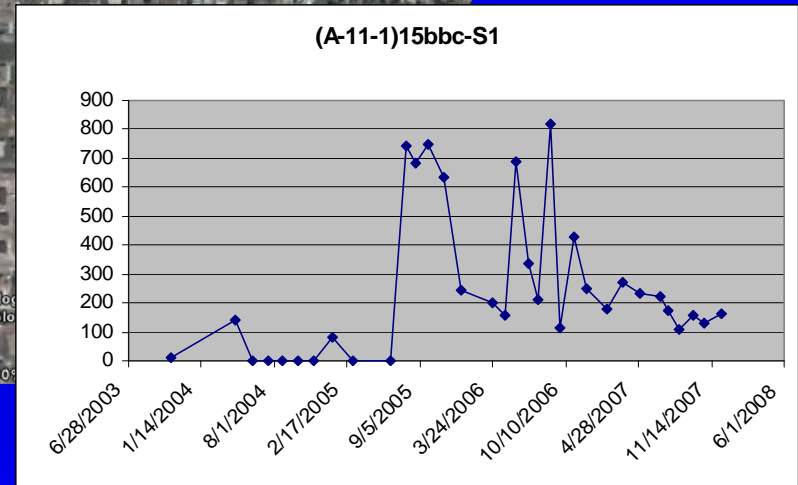
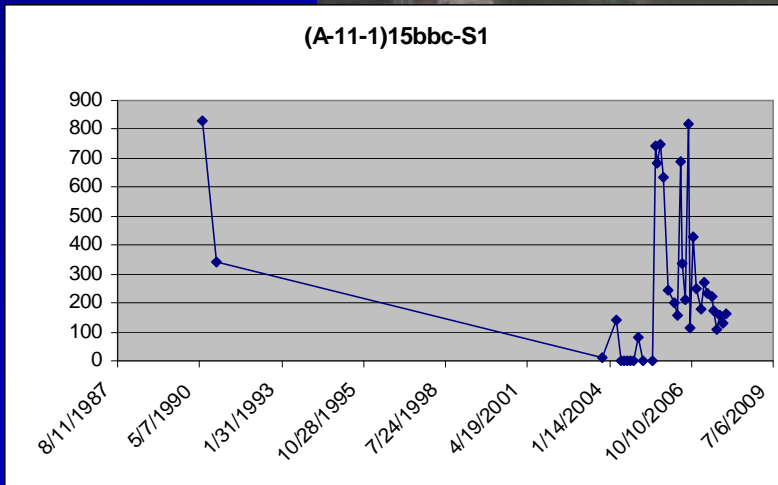
# Monitoring Program Objectives

- **Monitoring of ground-water levels**
  - **Develop baseline data set to monitor seasonal water level changes**
  - **Monitor water levels throughout the valley**
  - **Select additional wells and springs necessary to monitor areas of concern**
  - **Use as many long term monitoring sites as possible.**



Change in water levels between 1975 and 2005.

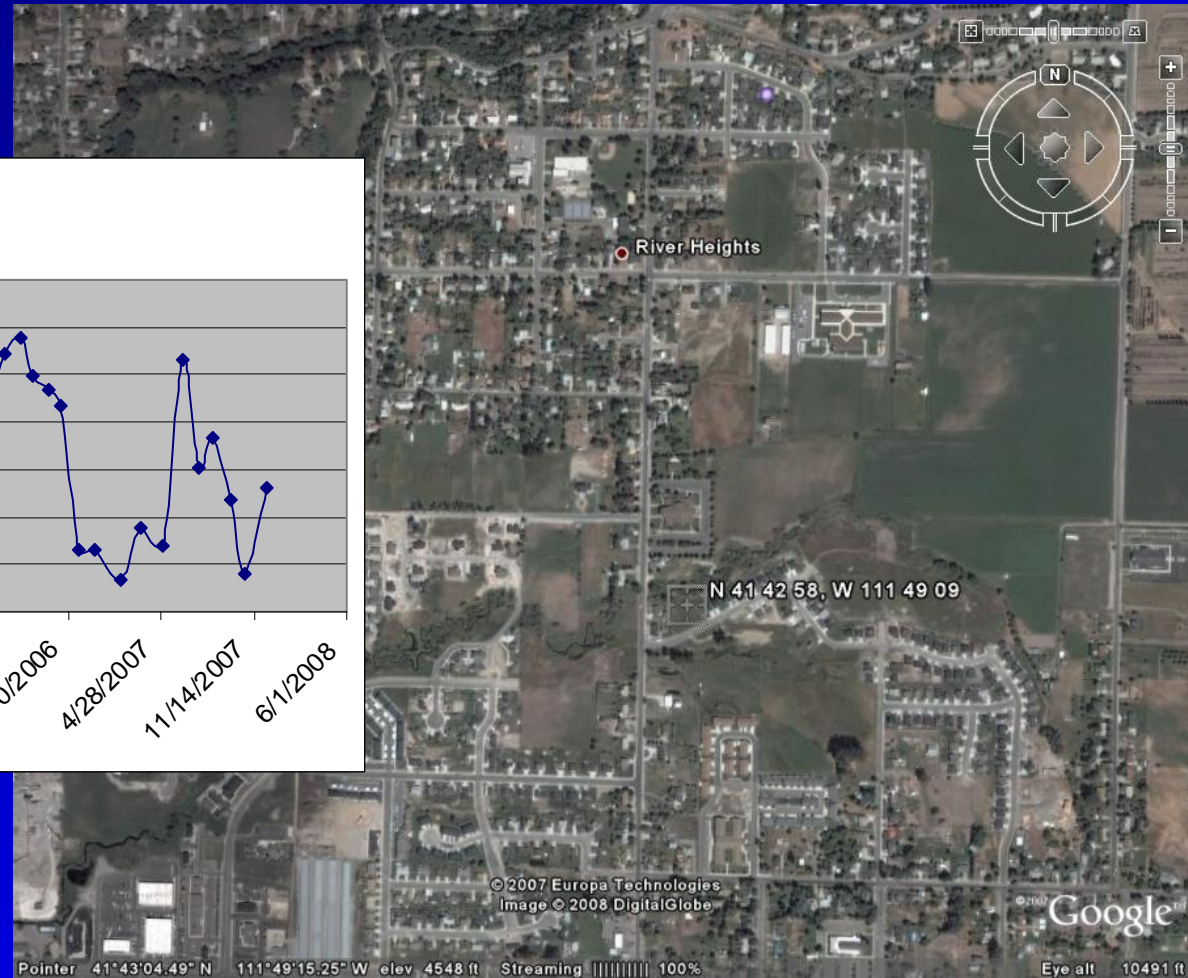
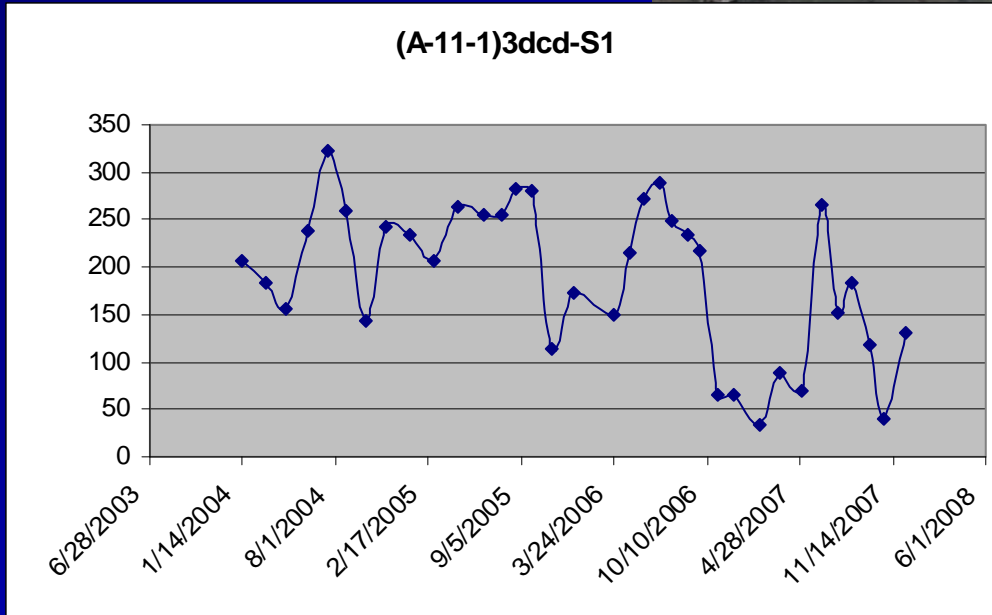
# Spring Discharge Monitoring



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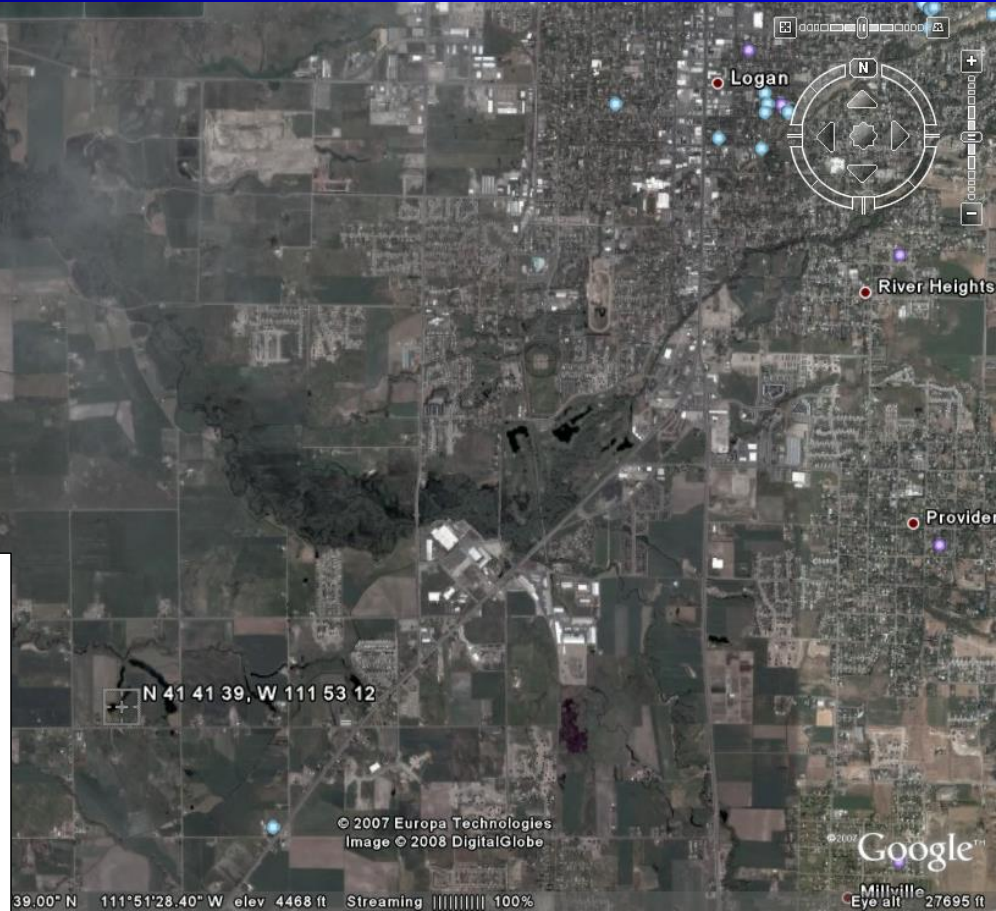
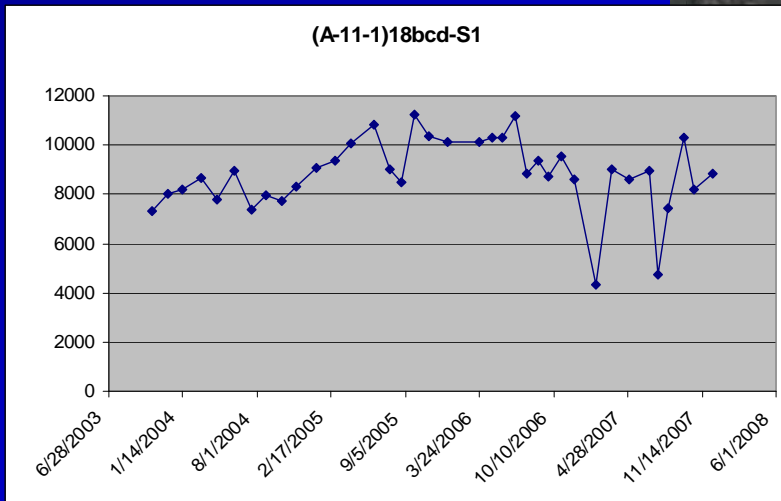
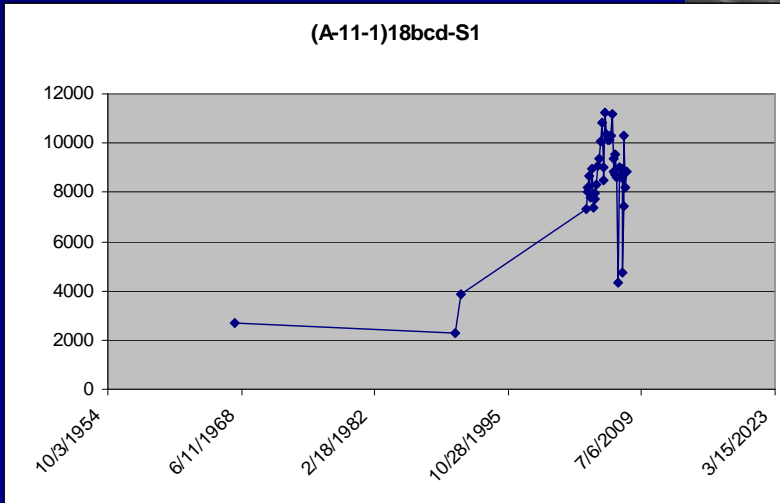
# Spring Discharge Monitoring



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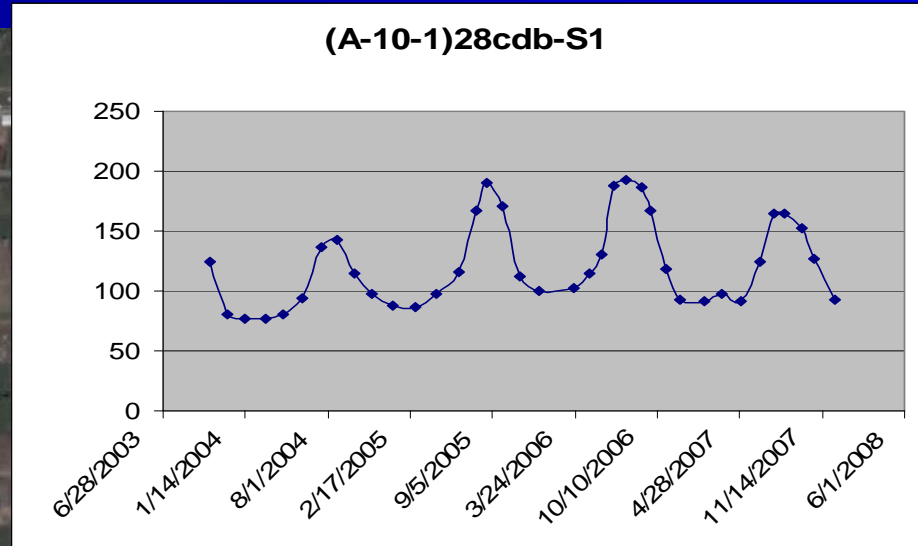
# Spring Discharge Monitoring



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# Spring Discharge Monitoring



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# General Results

- **Water levels in wells responding seasonally to recharge.**
- **Responding to other stresses.**
- **Good spatial coverage documenting different flow regimes.**
- **Will provide foundation for future work.**

# Budget

- Agreement runs through Water Rights and ends on June 30, 2007.
- Total Cost (WY2008) = \$44,800
- Cost is split 50/50 between the State and USGS Cooperative Water Program funds.
- COOP funds reduced for WY 2008.
- USGS will probably only match 40% for WY2009
- That would mean an increase of \$4,480 (to \$26,880) for WY2009.