

# Preview of Field Trip to Jamestown Mine

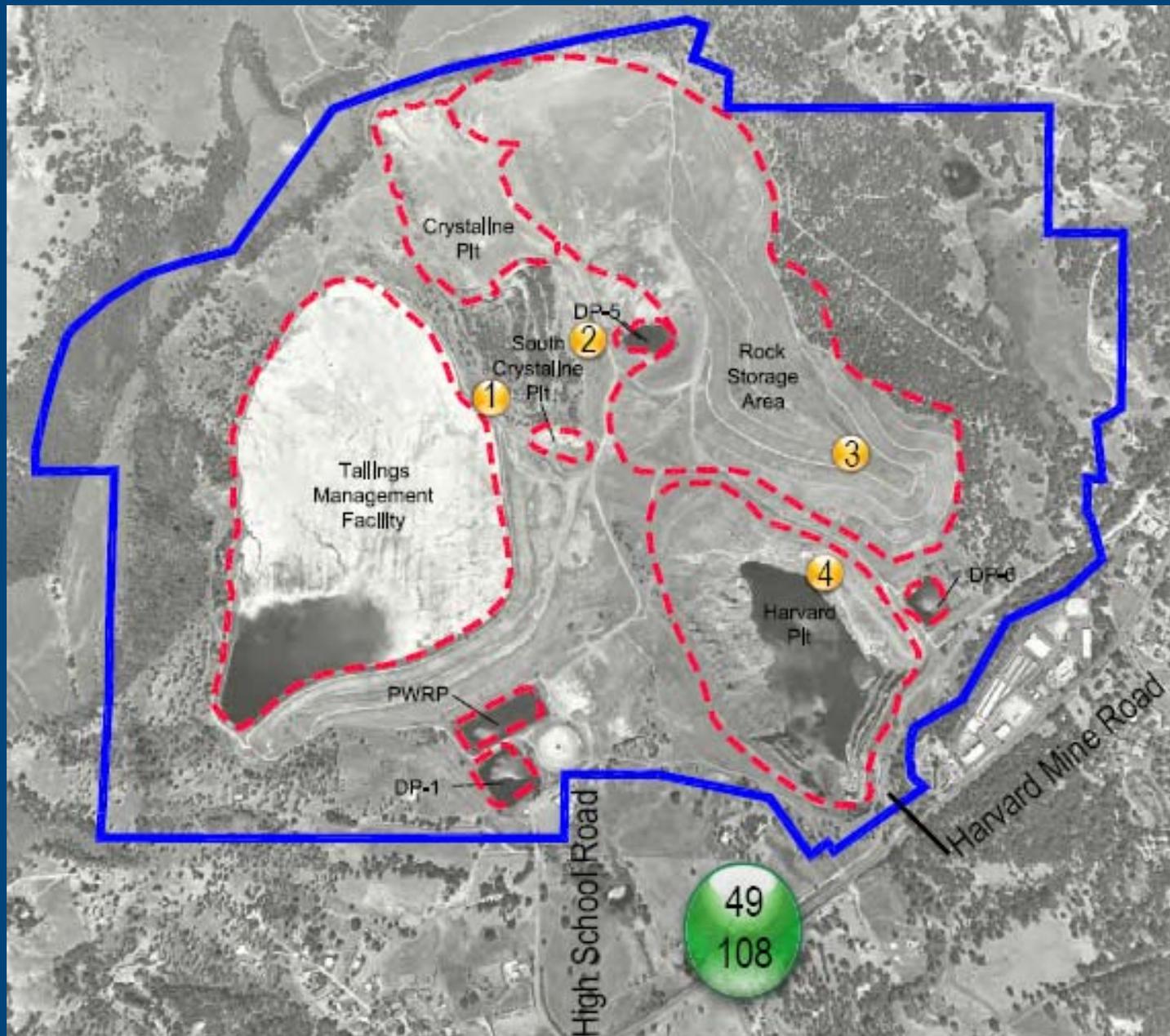


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# Field Trip Basics

- **Where:** Jamestown Mine, Tuolumne County, CA
- **What:** Inactive gold mine with regulatory concerns
- **When:** Weds., May 20 – depart hotel 8:30 am (sharp), return 5:30 pm
- **Why:** Observe mine features first hand
- **How:** Big bus. Box lunch and drinking water provided (\$10 fee)
- **Who:** Course instructors and participants, plus:
  - Mark Adams (Point Environmental)
  - Roger Ashley (USGS, Emeritus)
  - Ross Grunwald (GeoResource Management)
  - J.C. Isham (Shaw Environmental)
  - Victor Izzo (RWQCB)



# Jamestown Mine Presentations

- Victor Izzo, RWQCB – Regulatory framework
- Roger Ashley, USGS – Geologic setting and geochemical modeling of the Harvard Pit
- J.C. Isham, Shaw Environmental – Hydrologic modeling of the Harvard Pit



Aug. 1994 - water level ~960 ft

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1999 – Water level ~1160 ft above SL



March 2006 – Water elevation 1245 ft above SL

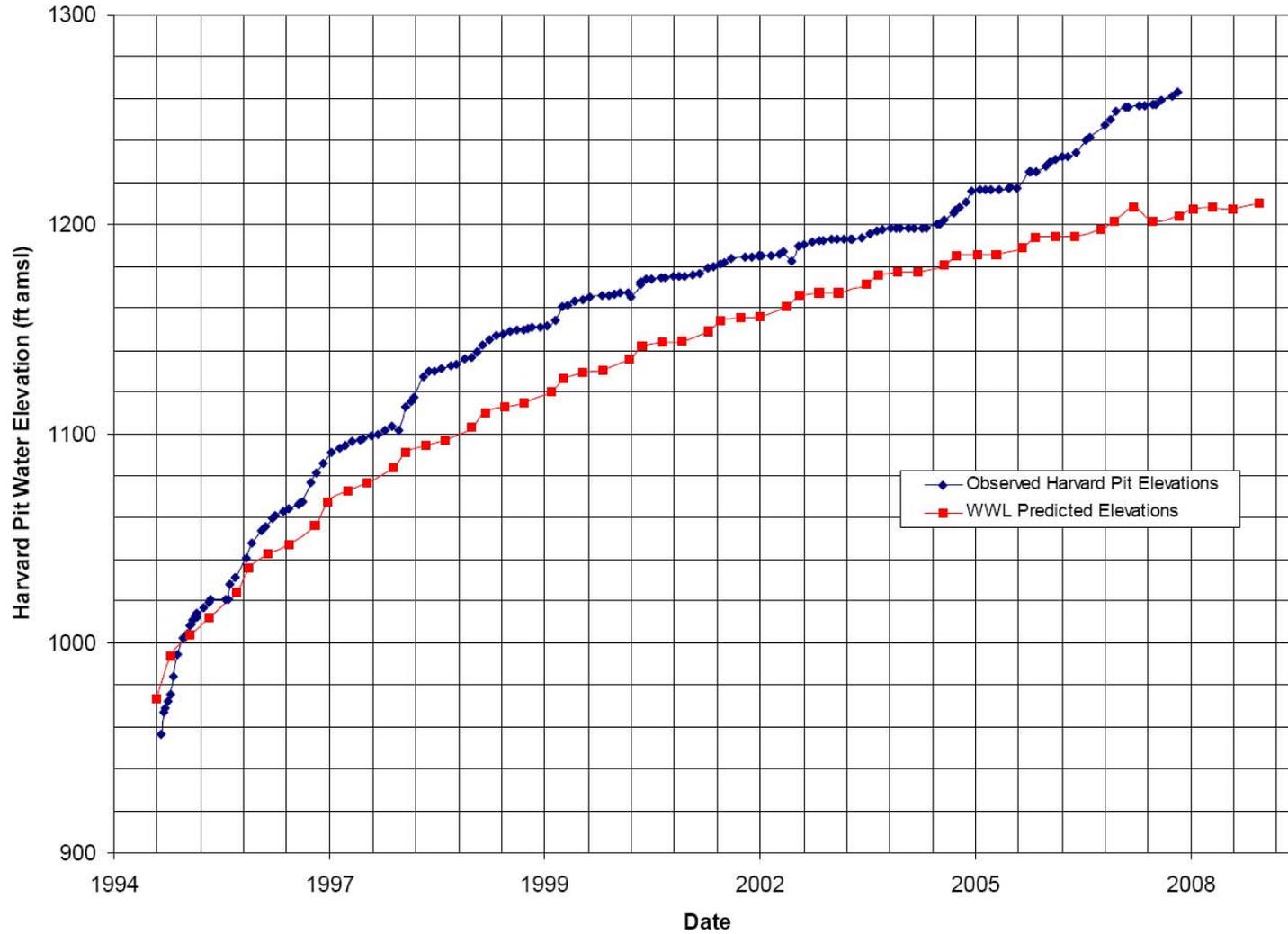


July 2007 – Water elevation 1277 ft above SL



April 2009 – Water elevation 1291 feet above SL

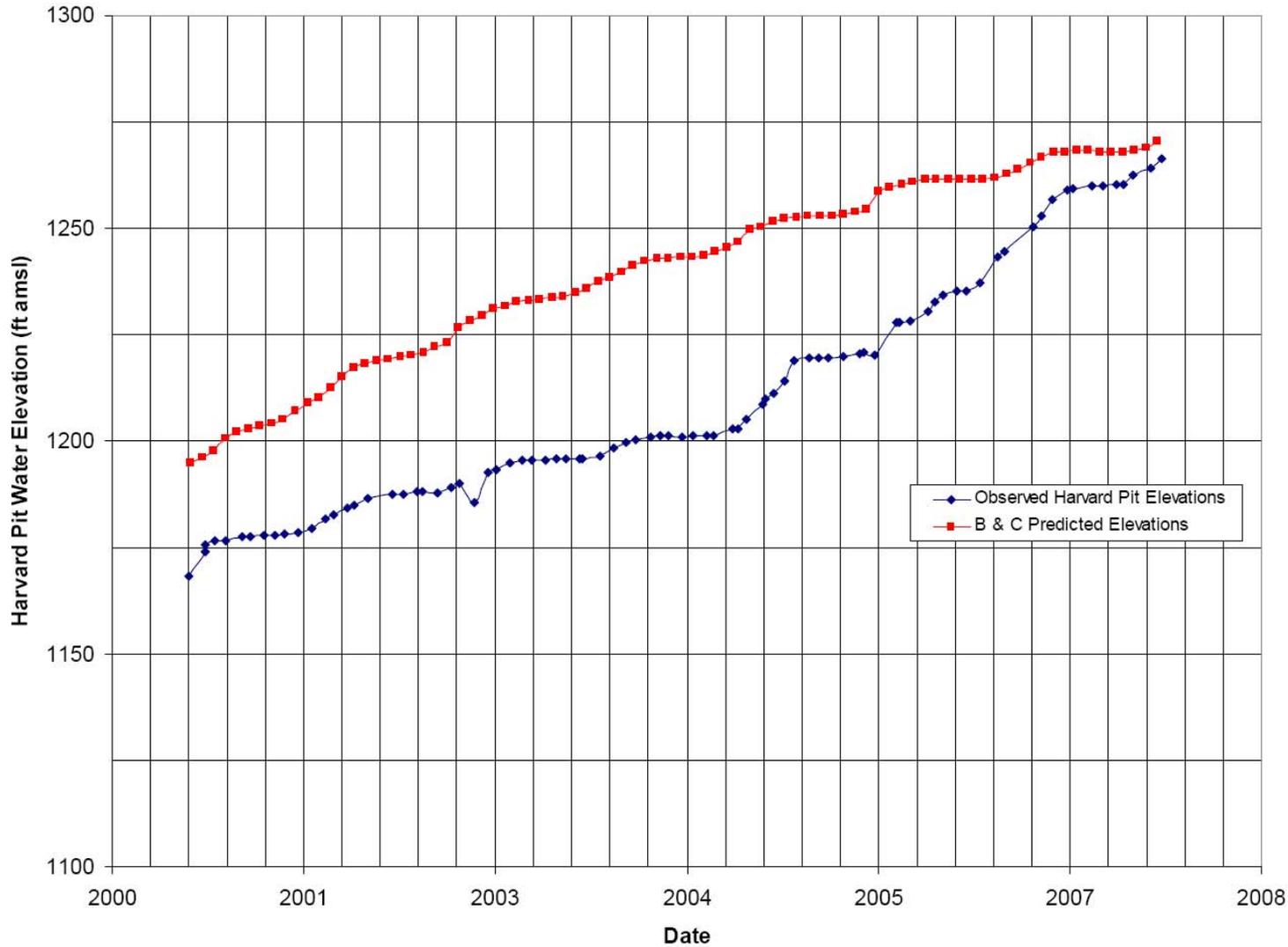
WWL Model Predictions versus Observed  
1995 through 2007



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FIGURE 3-3  
**WWL MODEL PREDICTIONS  
 vs. OBSERVED**  
 COUNTY OF TUOLUMNE  
 FORMER JAMESTOWN MINE  
 JAMESTOWN, CALIFORNIA

**B & C Model Predictions versus Observed**  
2001 through 2007

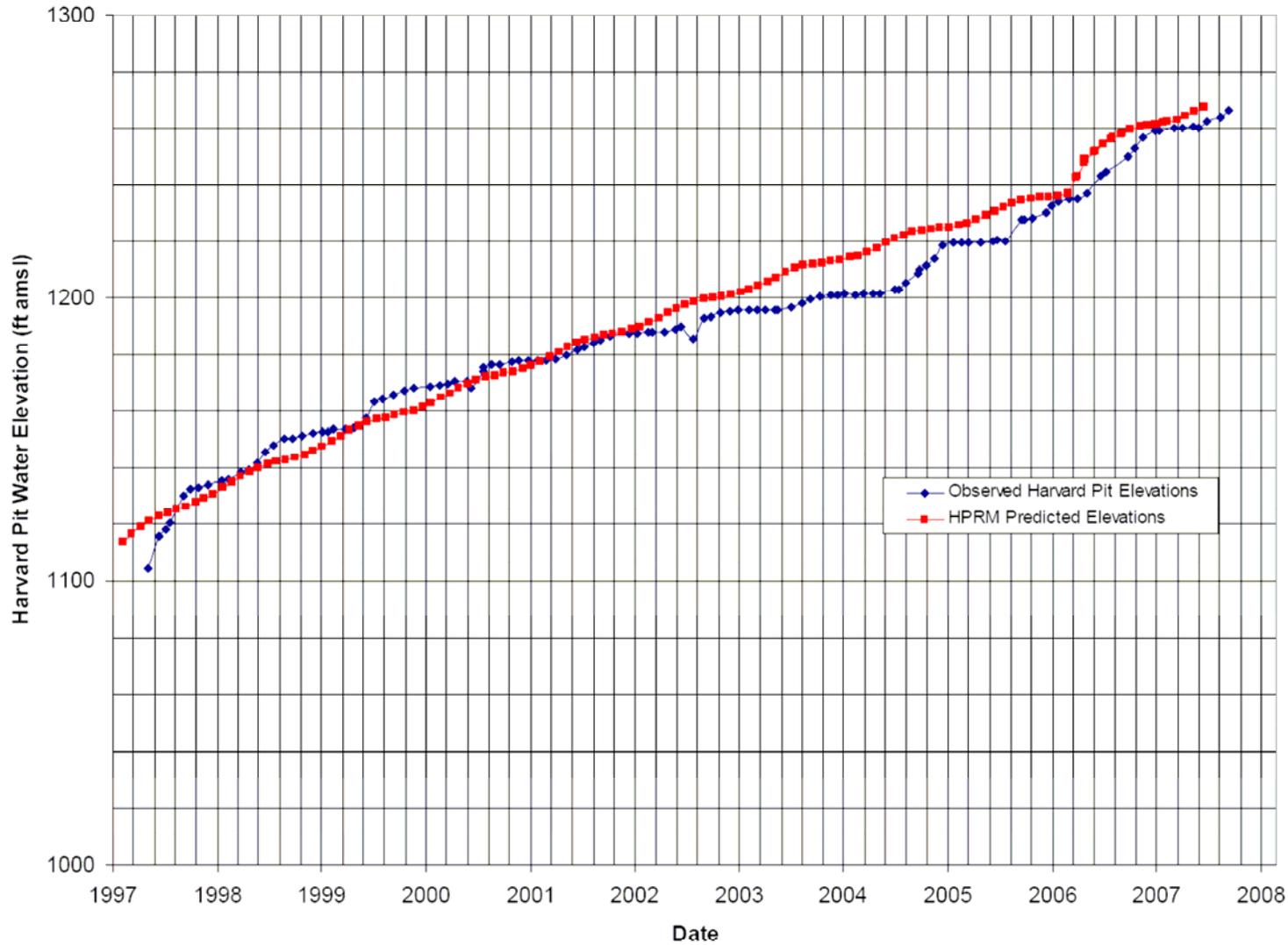


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FIGURE 3-4  
**B&C MODEL PREDICTIONS vs. OBSERVED**

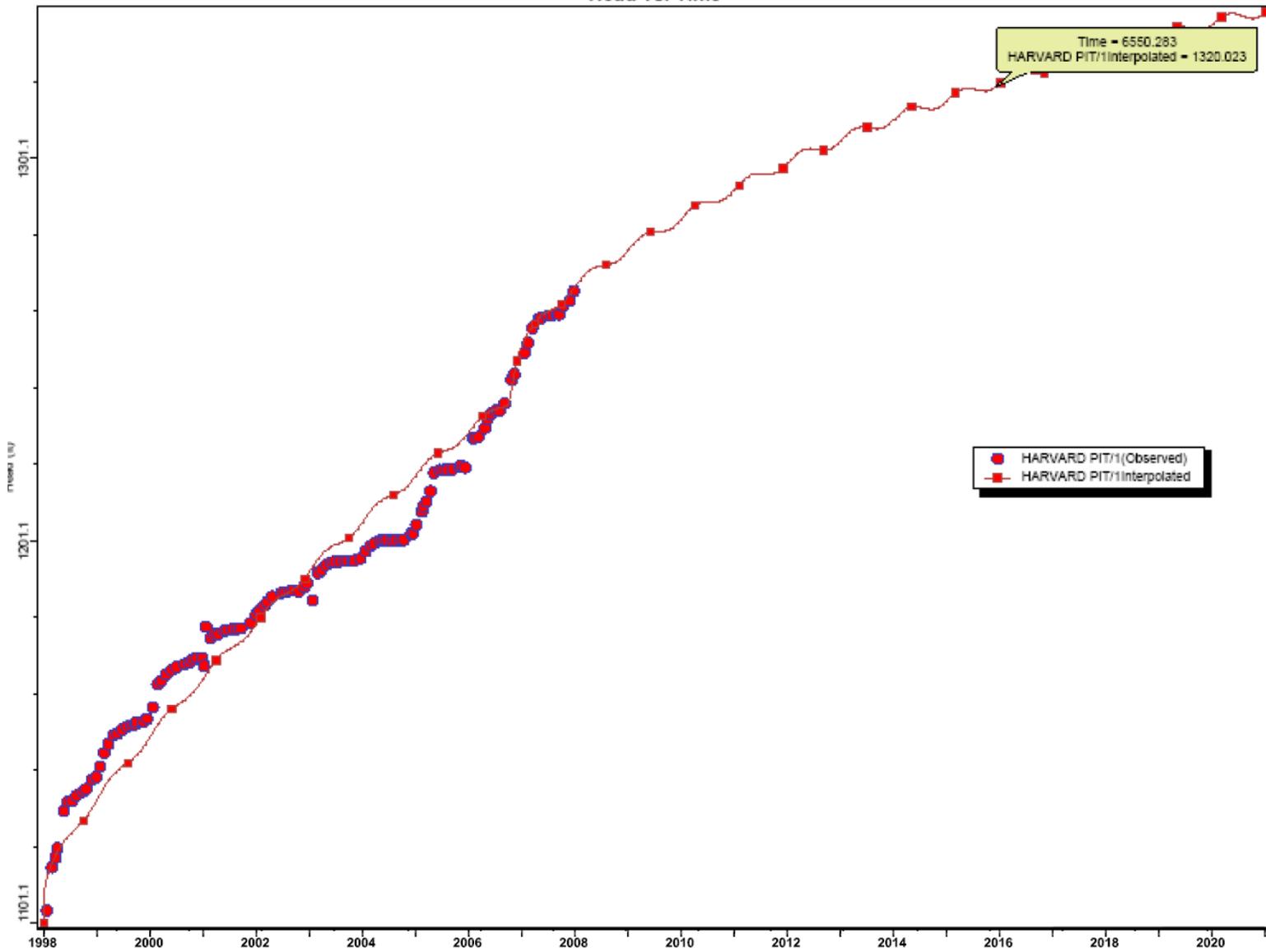
COUNTY OF TUOLUMNE  
FORMER JAMESTOWN MINE  
JAMESTOWN, CALIFORNIA

**HPRM Model Predictions versus Observed**  
1998 through 2007



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<b>FIGURE 3-8</b> <b>HPRM MODEL PREDICTIONS</b> <b>vs. OBSERVED</b> COUNTY OF TUOLUMNE FORMER JAMESTOWN MINE JAMESTOWN, CALIFORNIA

### Head vs. Time



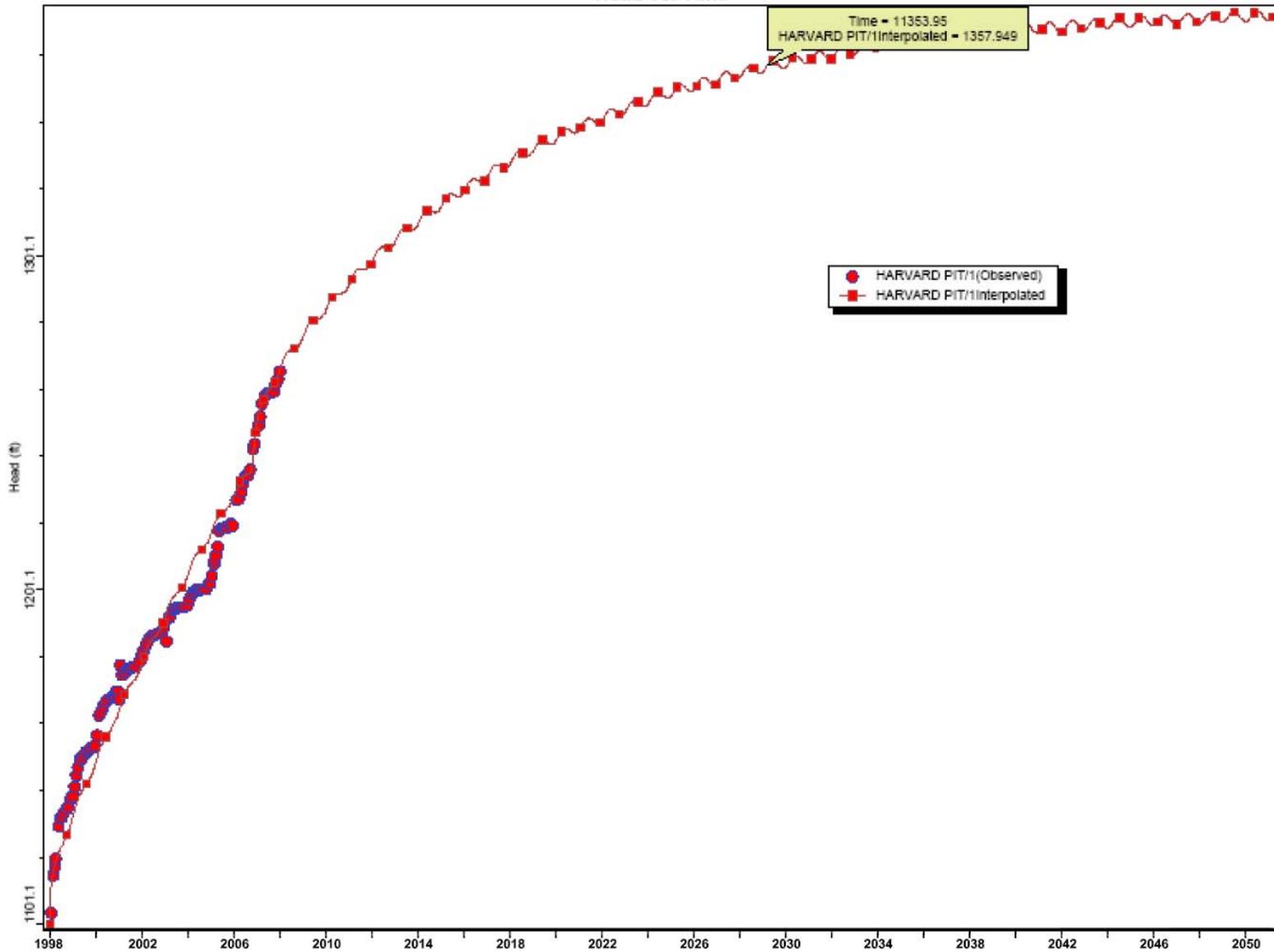
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FIGURE 3-9  
**MODEL PREDICTIONS**

COUNTY OF TUOLUMNE  
 FORMER JAMESTOWN MINE  
 JAMESTOWN, CALIFORNIA

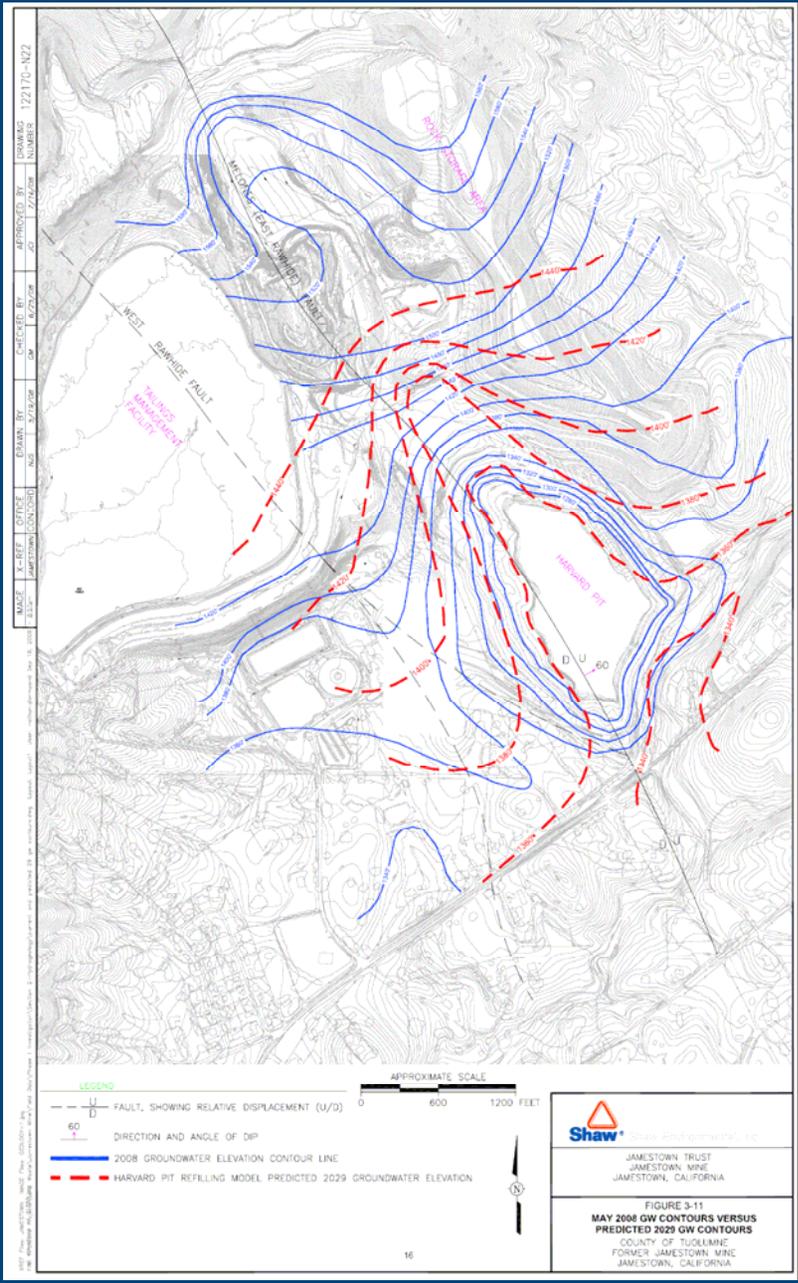
Head vs. Time



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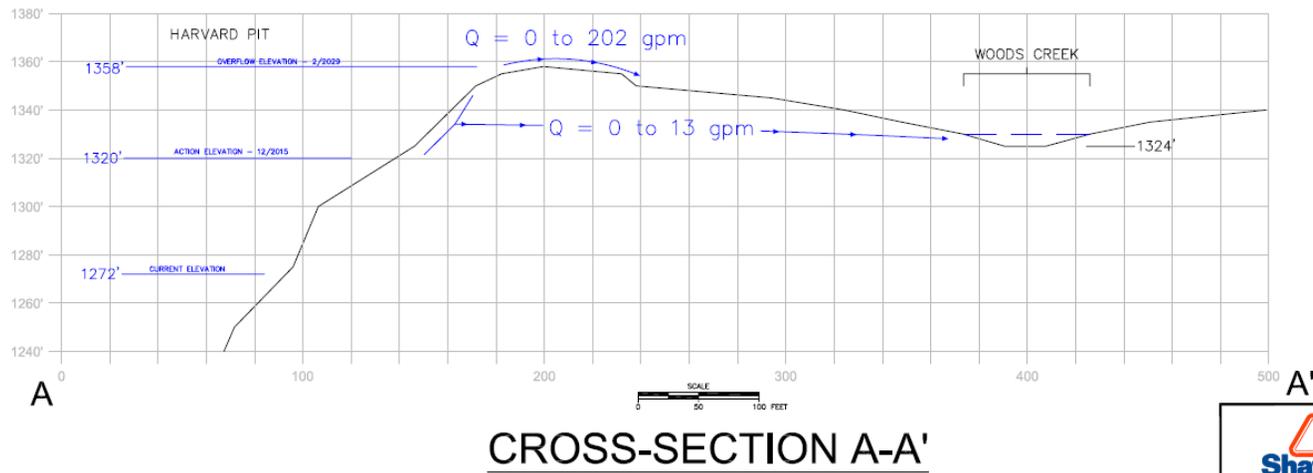
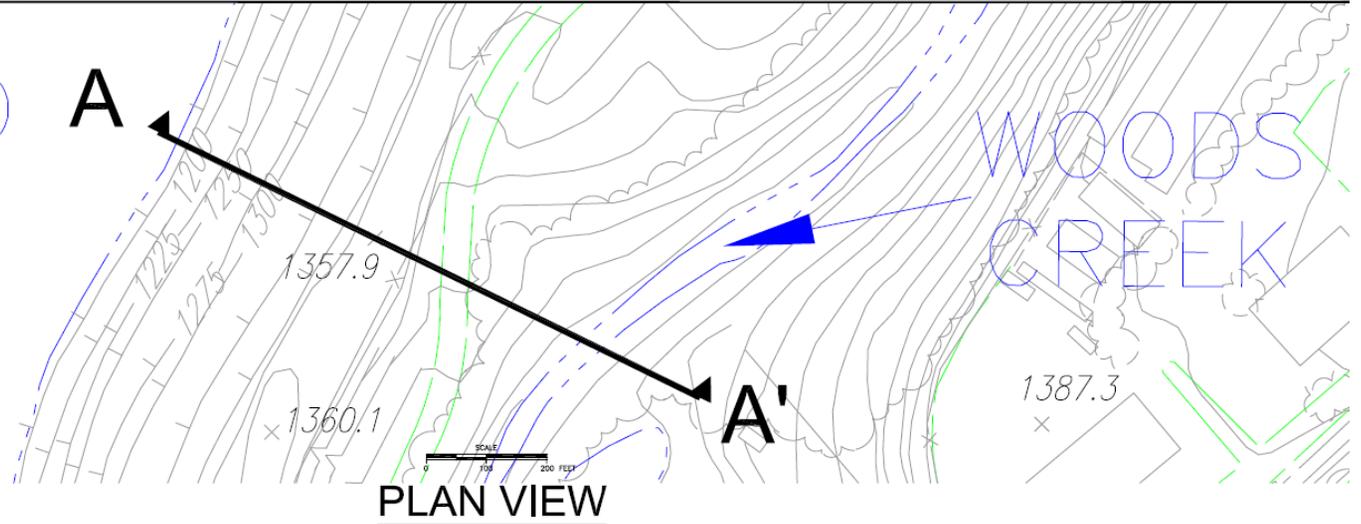
FIGURE 3-10  
EXTENDED MODEL PREDICTIONS

COUNTY OF TUOLUMNE  
FORMER JAMESTOWN MINE  
JAMESTOWN, CALIFORNIA



DRAWING NUMBER 122170-N23  
 APPROVED BY JCI 7/24/08  
 CHECKED BY GM 7/24/08  
 DRAWN BY AUS 7/18/08  
 OFFICE CONCORD  
 X-REF JAMESTOWN  
 IMAGE

HARVARD PIT



CROSS-SECTION A-A'

  
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 FIGURE 3-12  
**HARVARD PIT OVERFLOW POINT  
 PLAN VIEW AND CROSS-SECTION**  
 COUNTY OF TUOLUMNE  
 FORMER JAMESTOWN MINE  
 JAMESTOWN, CALIFORNIA



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