Stanislaus - Lower San Joaquin River Water Temperature Modeling and Analysis

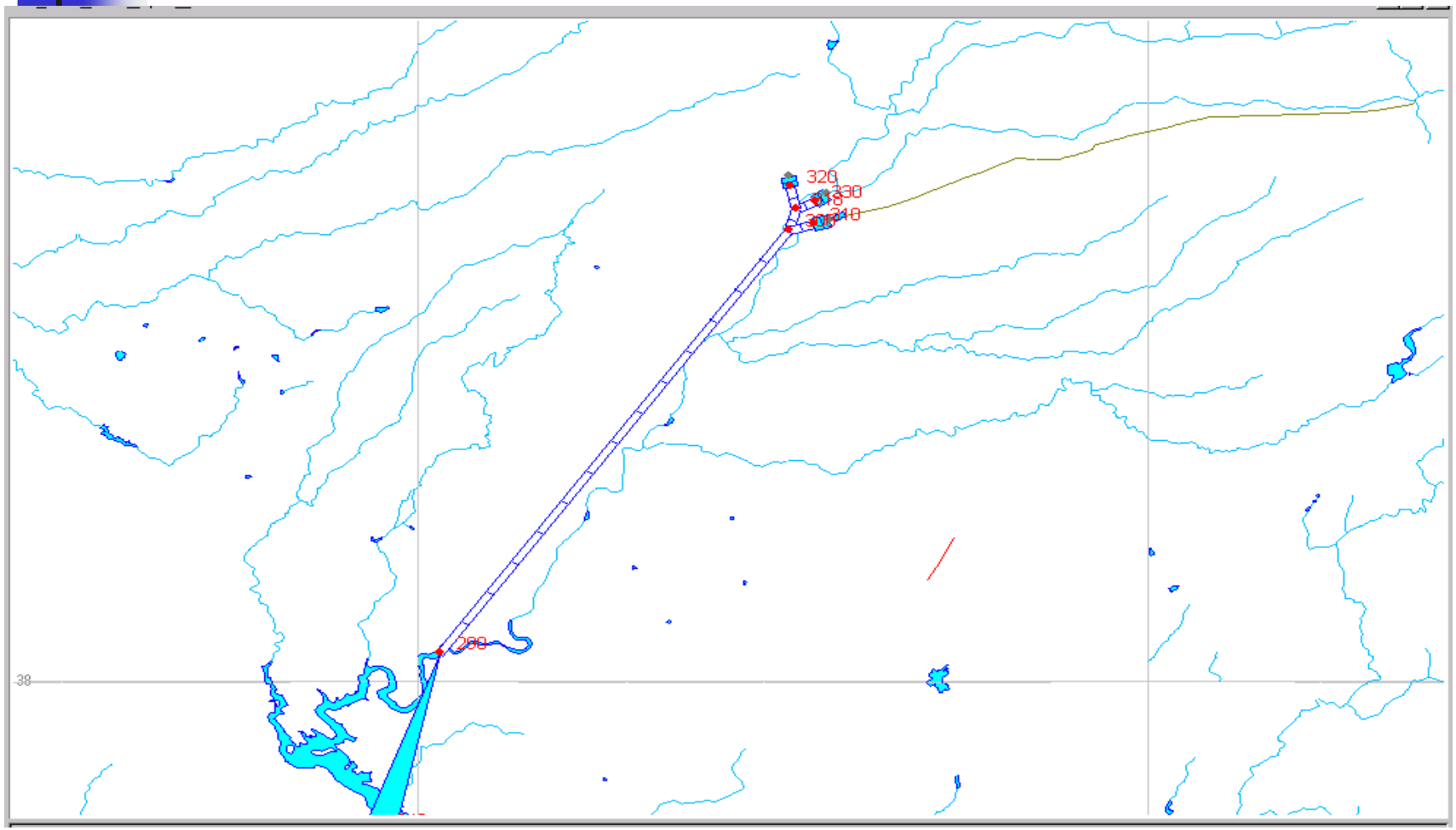
Agenda

- Background
- Objective - CALFED
- Project Tasks
- Model Description
- Calibration Results
- Demonstration of Model Run
- Temperature Criteria Peer Review
- Operational Studies
- Future Work

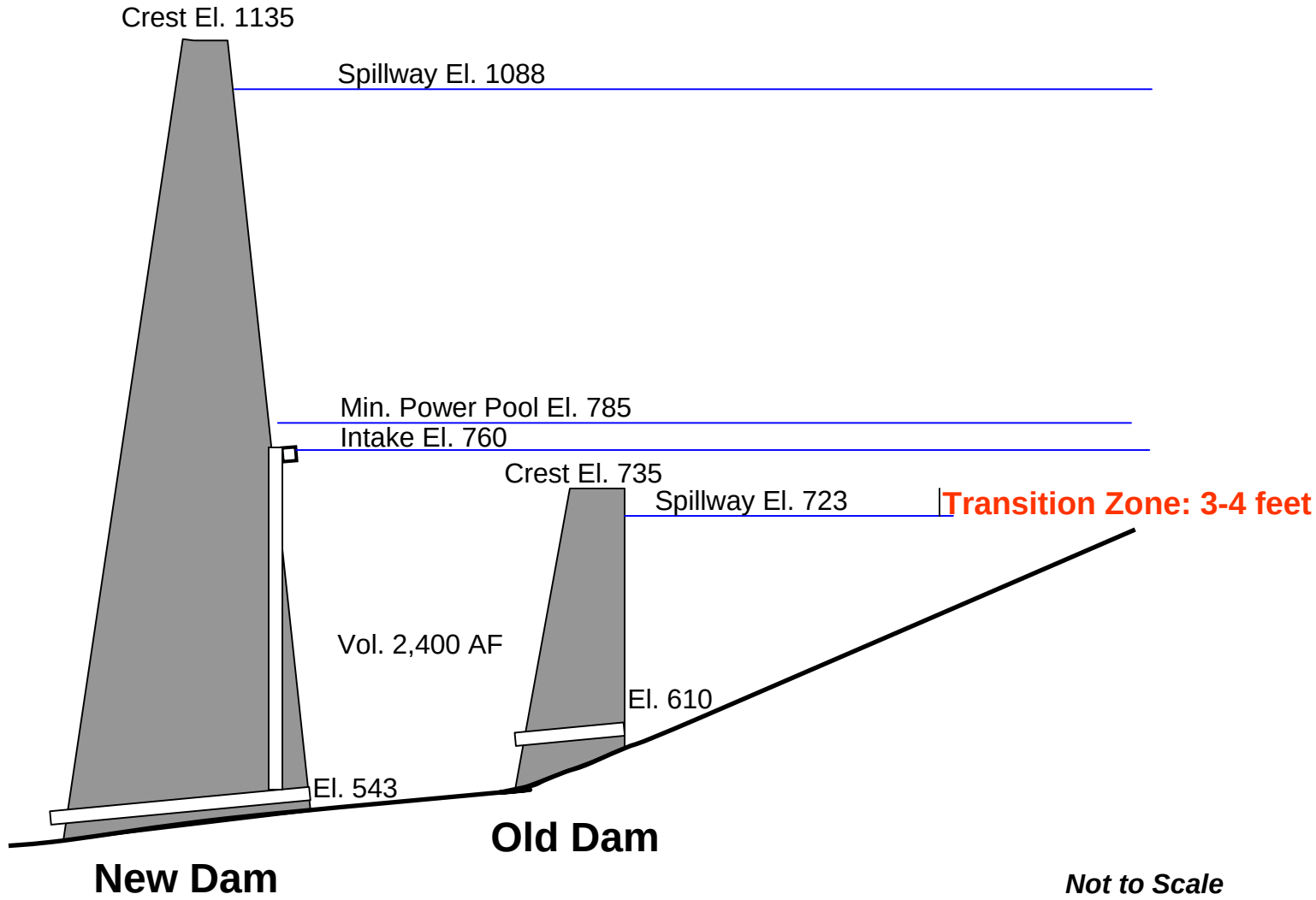
Model Representation - Stream

- **Downstream of New Melones:**
  - COE x-sections
  - Field Reconnaissance
  - Aerial Photography
- **Upstream of New Melones:**
  - River length Vs. NM Elevation
  - Typical X-section

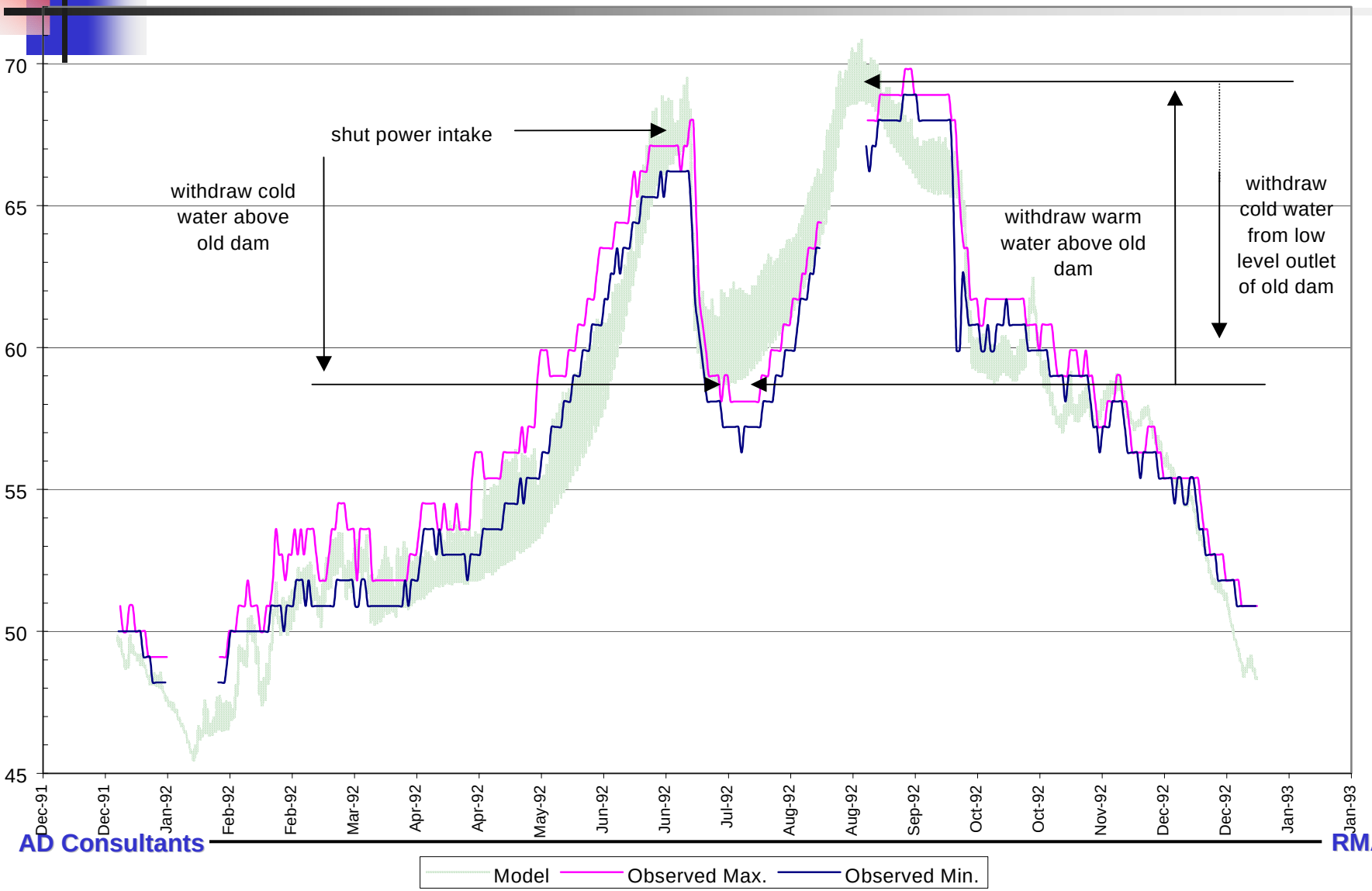
HEC-5Q representation of the Stanislaus River of New Melones Reservoir



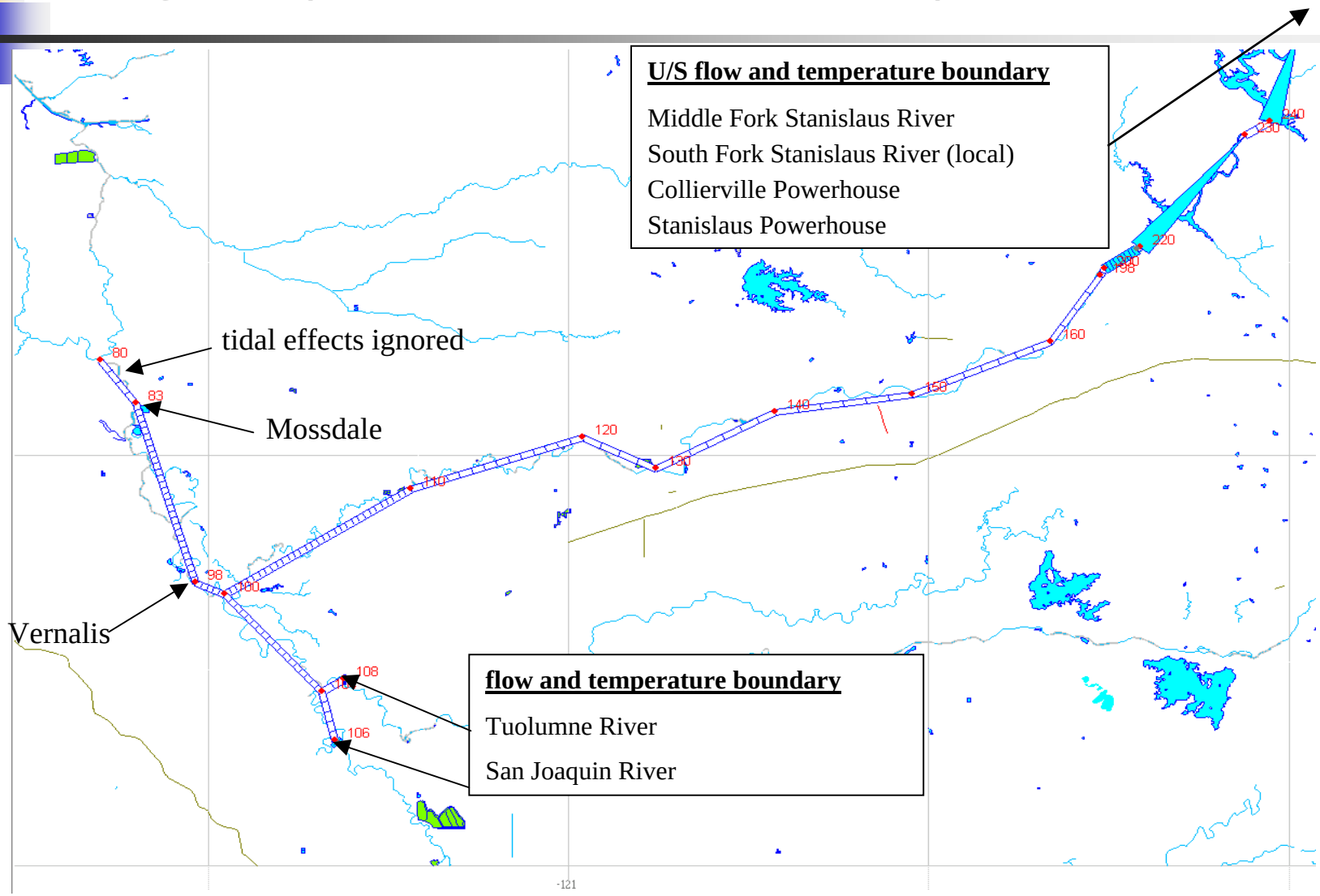
Model Representation – New Melones



Temperatures below Goodwin - Special Operation of New Melones & Tulloch in 1992



AD Consultants

RMA

HEC-5Q model representation of the Stanislaus and San Joaquin Rivers