Item 5

SALT AND NUTRIENT MANAGEMENT PLAN FOR THE ANTELOPE VALLEY GROUNDWATER BASIN

ANTELOPE VALLEY REGIONAL WATER MANAGEMENT GROUP

Lahontan Water Board November 12, 2014 – Victorville

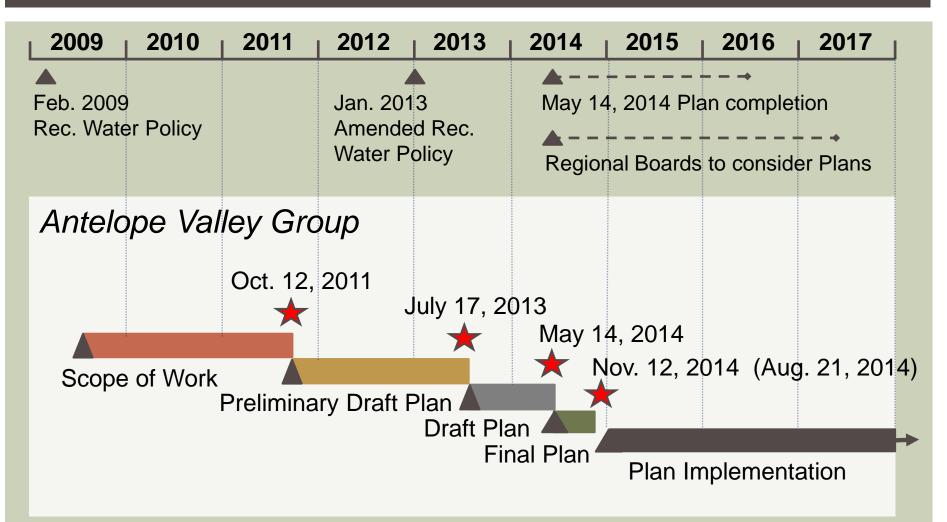
Jan Zimmerman, Engineering Geologist



OVERVIEW

- Introduction and overview of Item 5, Antelope Valley SNMP – Jan Zimmerman
- Final Antelope Valley SNMP presentation Erika Bensch, Sanitation Districts of Los Angeles County
- Utility of the Antelope Valley SNMP Jan Zimmerman
- Staff recommendations Jan Zimmerman
- Questions and discussion All

TIMELINE



ANTELOPE VALLEY SNMP

ANTELOPE VALLEY REGIONAL WATER MANAGEMENT GROUP

Erica Bensch, Sanitation Districts of Los Angeles County

UTILITY OF AV SNMP

PROS

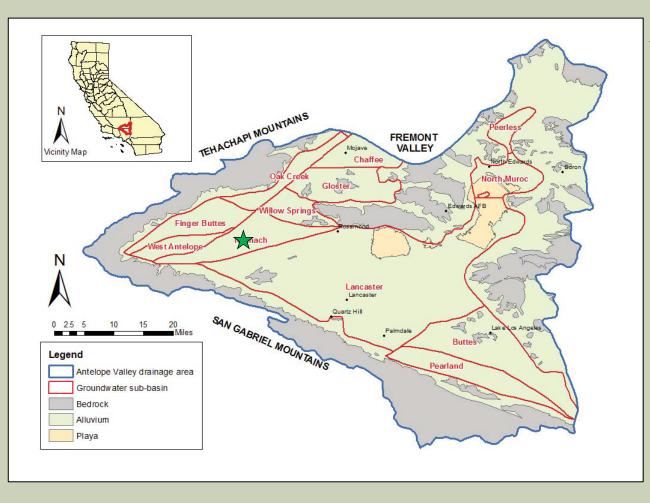
- Spatial variability of water quality
- Identifies data gaps
- Inform decisions for future S/N discharges
- Proponents of new S/N projects to contribute to implementation of the SNMP

 Limited in some respects, but good first step

CONS

- Groundwater data tends to be skewed towards higher populated areas
- Well construction details unknown for some wells
- Model is limited averages
 S/N across entire basin

AQUIFER RECHARGE



- Antelope Valley Water Banking Project
 - 1500 acres
 - Recover up to 100,000 ac-ft/yr
 - State Water Project (3.8 µg/L As)
 - Neenach sub-basin, no assimilative capacity for As with respect to MUN (13.24 µg/L As)
 - Dilution or loading?

STAFF RECOMMENDATIONS

- Accept the Antelope Valley SNMP no Basin Plan amendment required at this time
- 2. Concur that EO send letter of acceptance to AV IRWM Group
- 3. Encourage the Group to refine the model over time as new data become available "Adaptive Management Strategies"
- Request Antidegradation Analysis for the Antelope Valley Banking Project – Neenach sub-basin
- 5. Reconsider our general approach of not regulating aquifer recharge projects assimilative capacities and S/N loading

QUESTIONS AND DISCUSSION

- 1. Comments/questions/discussion
- 2. Do Board members concur with recommendations?

THANK YOU!