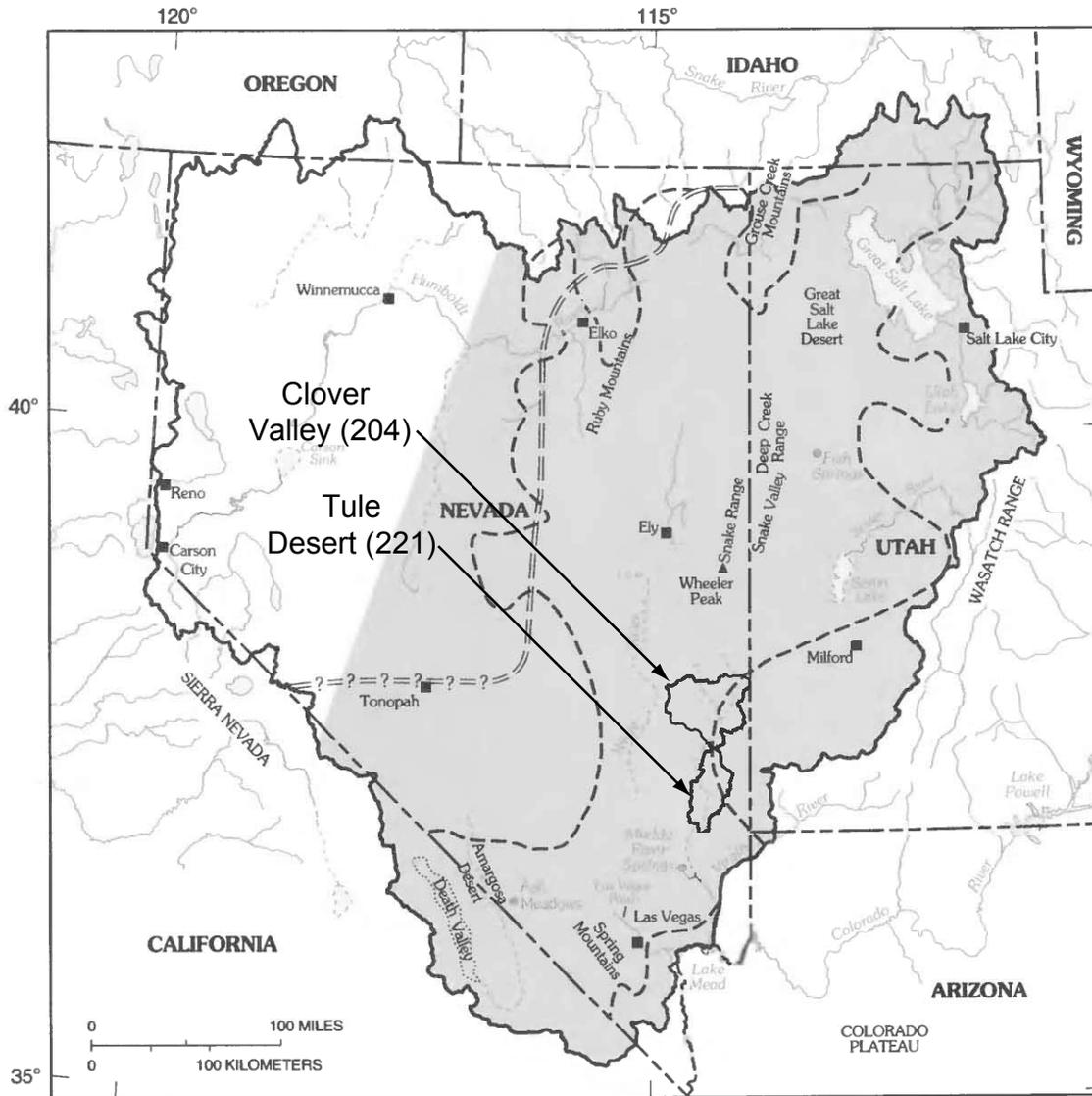


# Clover Valley and Tule Desert in Relation to The Carbonate-Rock Province



Base modified from U.S. Geological Survey digital linegraph data, 1:1000,000 and 1:250,000, 1987

Albers Equal-Area Conic Projection

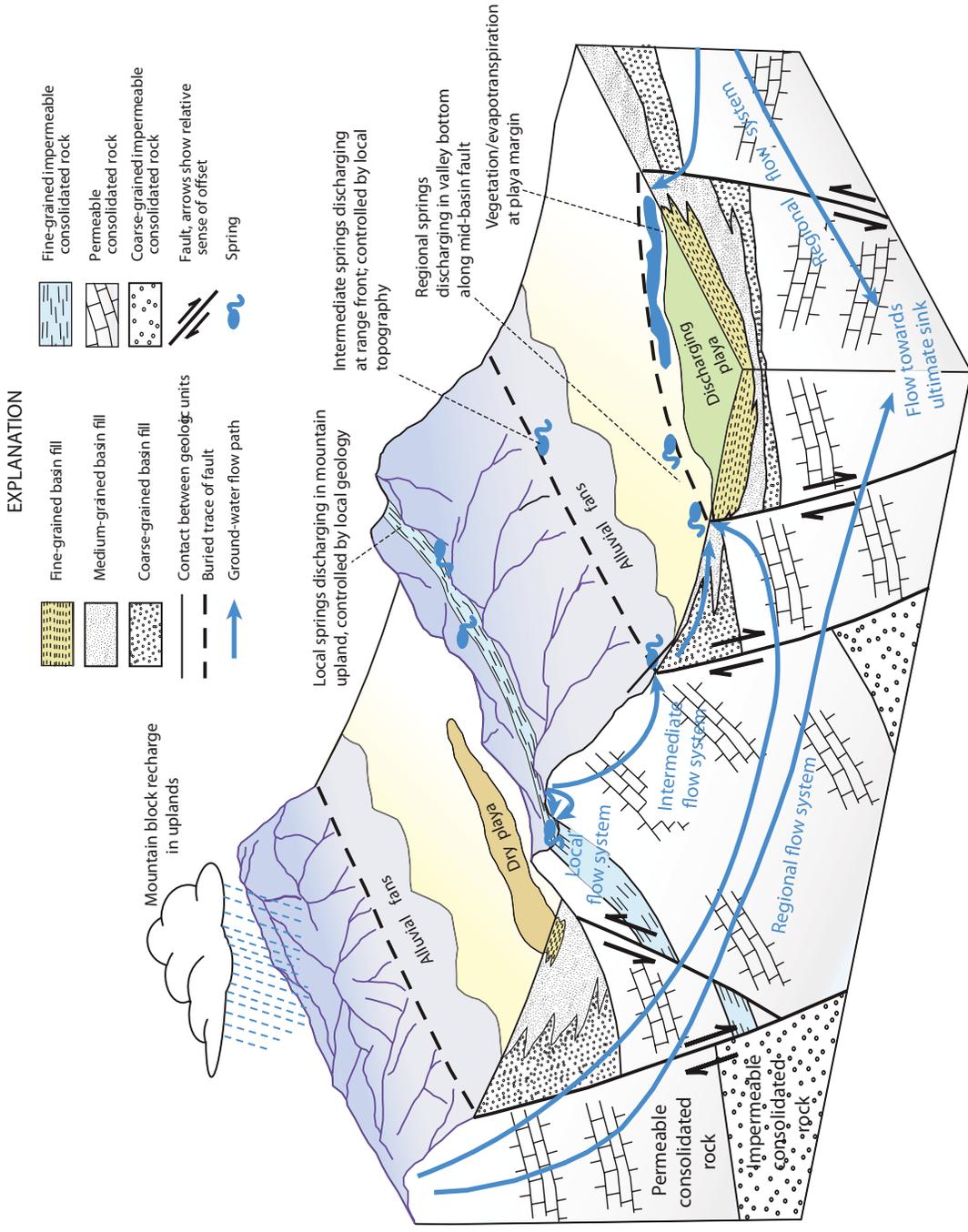
Standard parallels 29° 30' and 45° 30', central meridian -114°

Source: Prudic, David E., et al, 1995

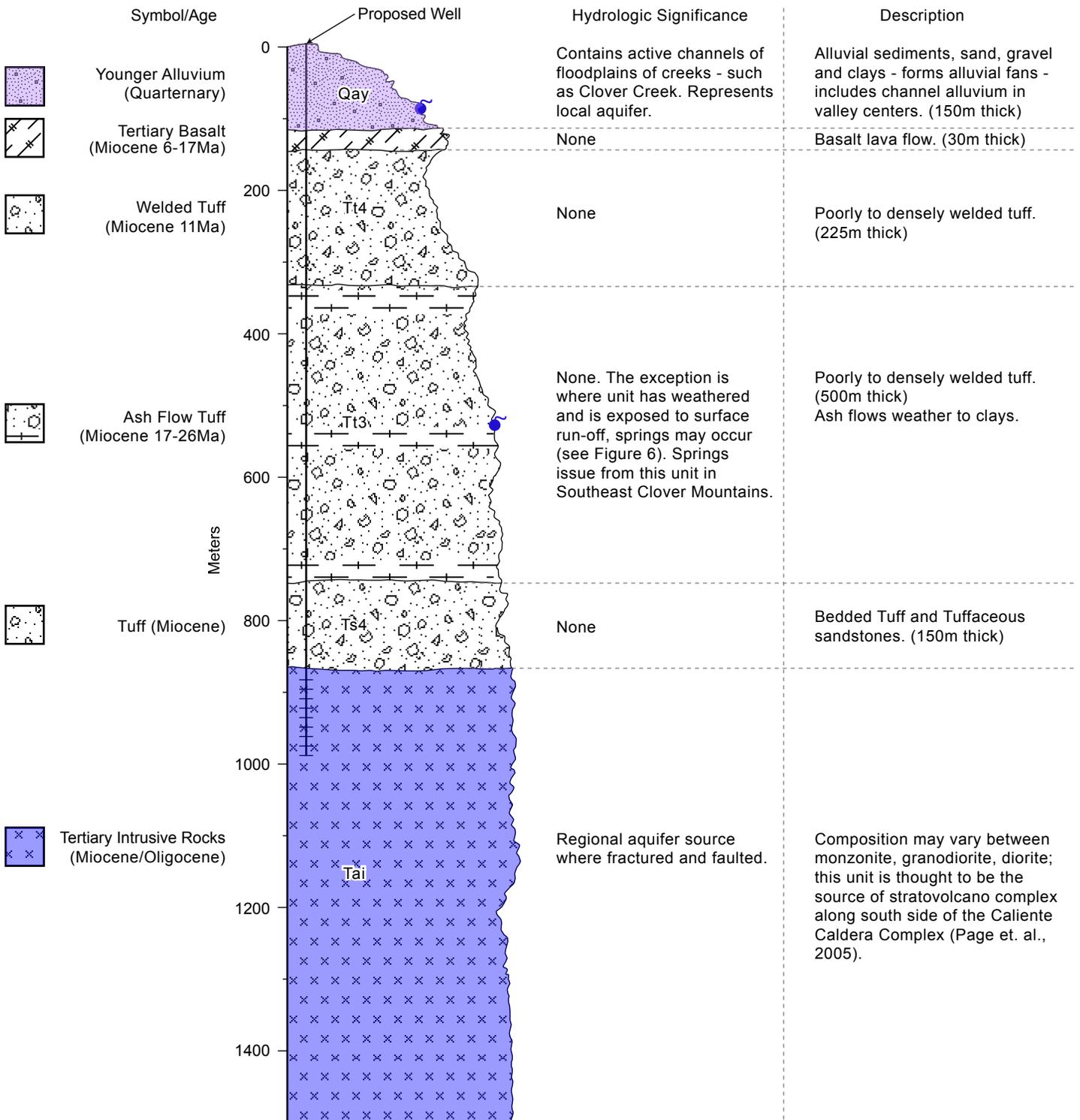
## Legend

-  Carbonate-rock province study area—Boundary is approximate
-  Boundary of Great Basin Regional Aquifer-System Analysis (RASA) study area
-  Approximate boundary of carbonate-rock province—Within province, at least 80 percent of measured sections are composed of more than 50 percent carbonate rock (from Mifflin and Hess, 1979)
-  Approximate boundary of Roberts overthrust belt—Queried where uncertain

# Conceptual ground-water flow systems



P:\Vidler Water Company\Clover\gis\plots\Figures\Figure1\_083007.pdf



Vertical Scale:  
1 inch = 200 meters (~600 feet)

Explanation:

- Local Aquifer
- Regional Aquifer
- Well Screen
- Spring

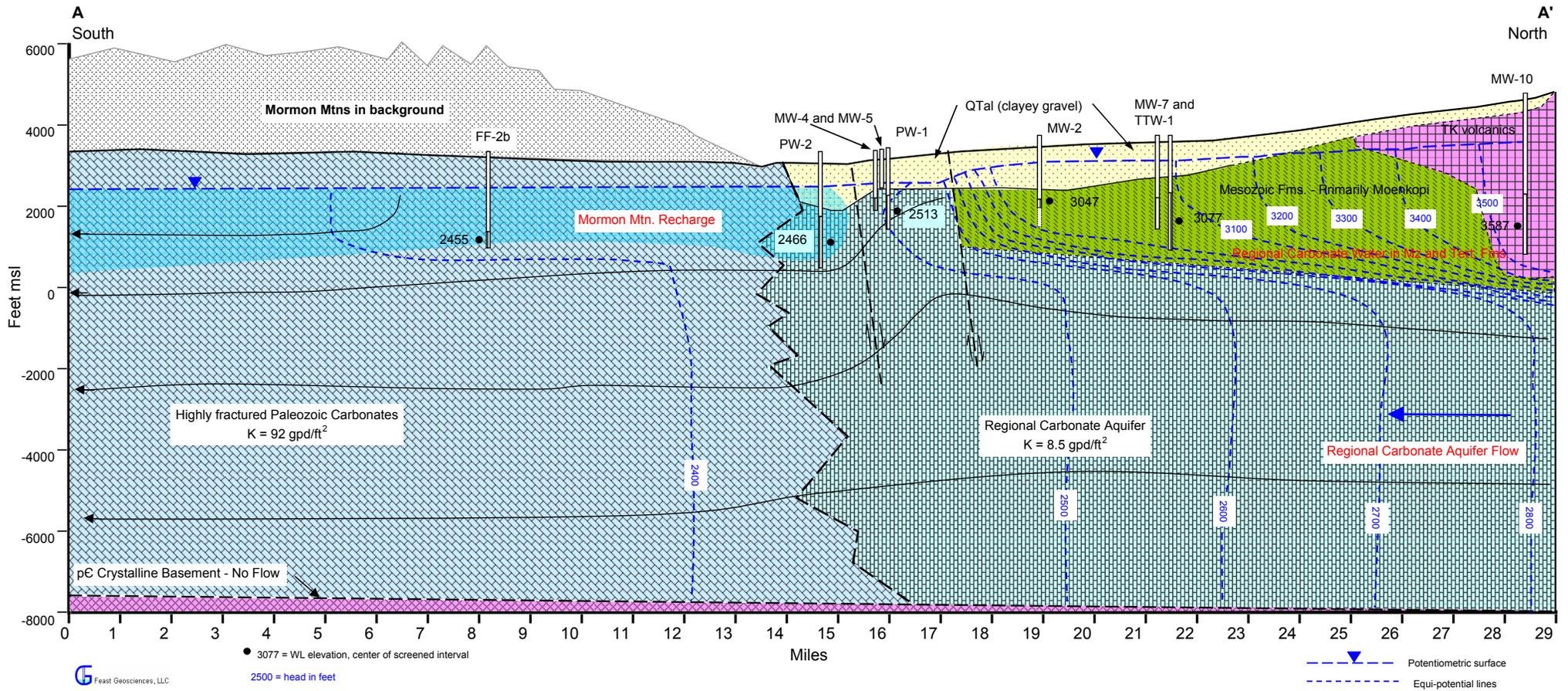
DRAFT

Figure 3-9

Clover Valley Conceptual Model

Source: Vidler Water Company. 2007c. Clover Valley Impact Analysis

# North-South Hydrogeologic Cross-section Through Tule Desert



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**Figure 3-10**

Location of Cross Section Shown on Map 3-4

Figure Prepared by Feast Geosciences, LLC for Nevada State Engineer, January, 2008



*KOP 1 – Existing Condition:* KOP-1 is located on an unimproved public road about 0.5 miles north of a utility corridor that contains three electric transmission lines; the 550-kV DC Southern Transmission Line, the 500-kV AC Navajo Project, and the 345 Harry Allen-Red Butte Transmission Line. The view faces west-southwest to the East Mormon Mountains.



*KOP 1 – Photographic Simulation:* ST-2 is visible in the foreground distance zone approximately 2 miles west of the KOP. The proposed 138-kV transmission line facilities in the foreground-middleground distance zone are located in close proximity to the existing overhead transmission lines.

Figure 3-11



*KOP 2 – Existing Condition:* KOP-2 is located southeast of Toquop Gap at the intersection of the LCWD ROW and a public road that provides access to the Mormon Mountains and the Tule Desert. The KOP provides a view to the northwest of the LCCLA corridor in the immediate foreground distance zone.



*KOP 2 – Photographic Simulation:* The proposed 22.8-kV double circuit distribution line is located along the proposed pipeline ROW in the LCCLA corridor in the immediate foreground distance zone. The simulation provides a view of the revegetated construction and permanent ROWs, and a new access road.

Figure 3-12