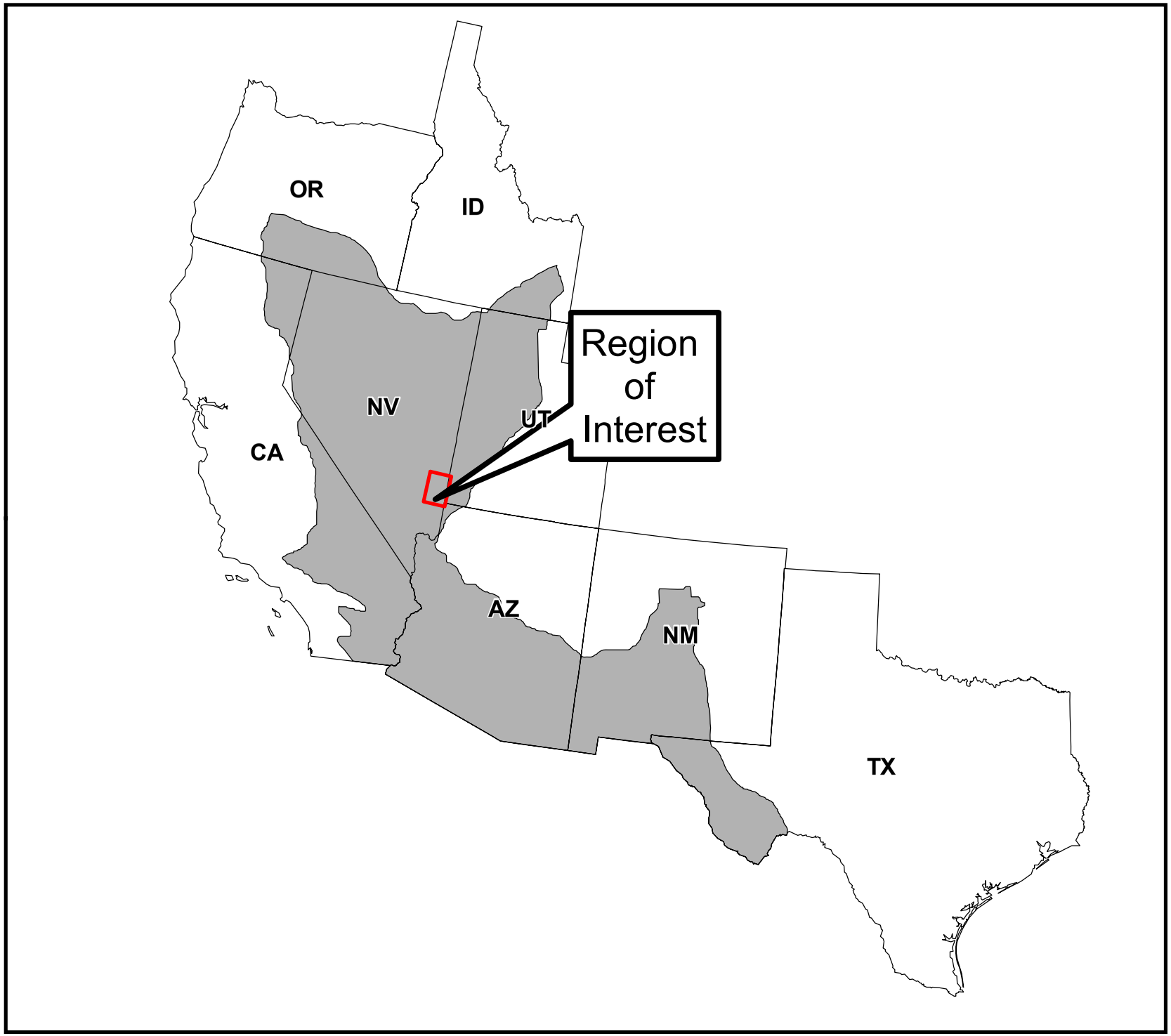


Lincoln County Land Act
Groundwater Development
and Utility Right-of-Way Project

Legend

State Boundary

Basin and Range Region

N

Region of Influence in Relation to Basin and Range Physiographic Province

Figure 3-1
DRAFT

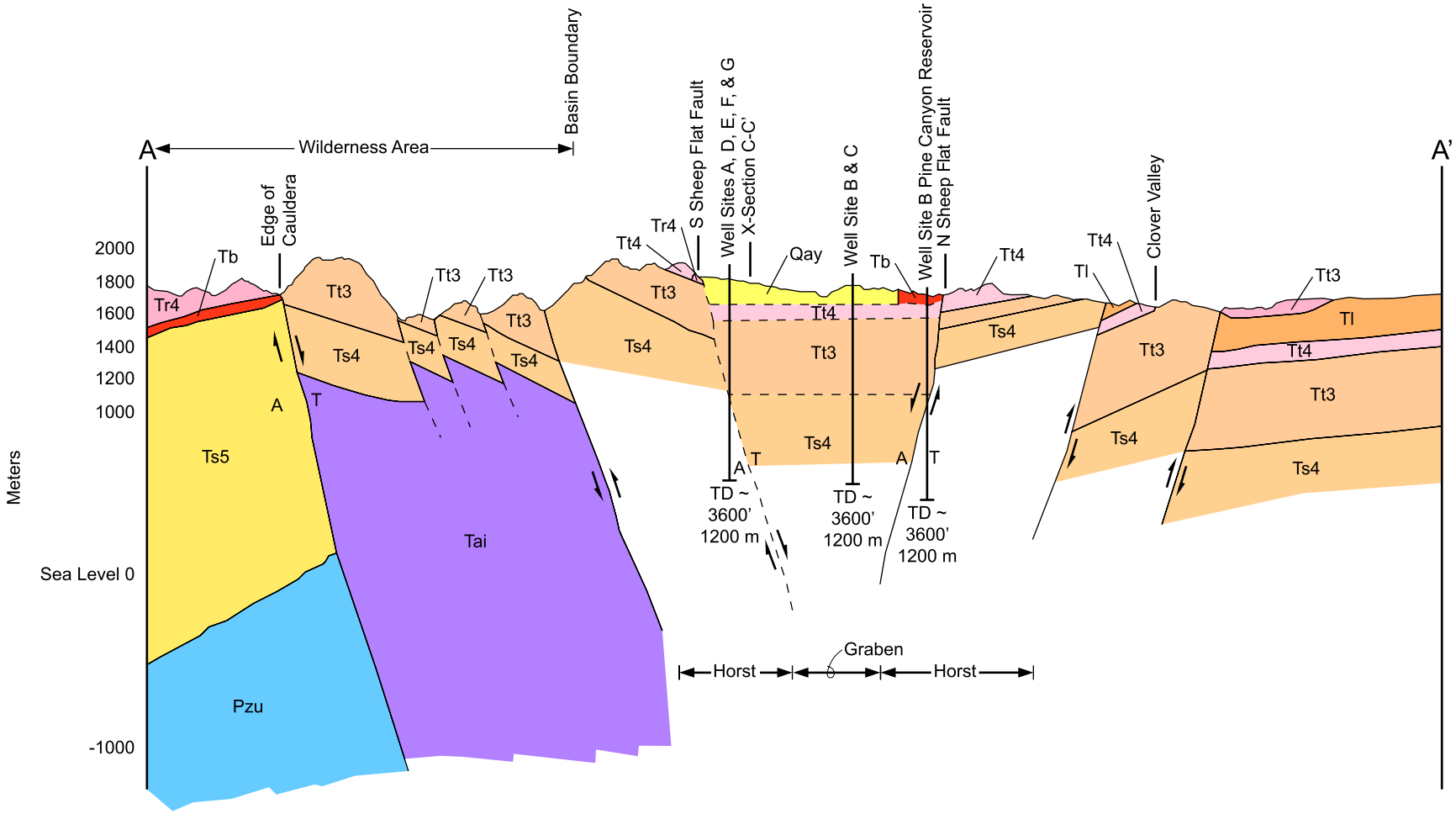
R:\projects\AZ002506-BLM-LincolnCo\maps\ES_Figs\LCLA_Maps\Jan_2008\LCLA_Figure_3-1.mxd

Clover Valley - Stratigraphic Column for Cross Sections

Qay	Younger Alluvium (Quaternary) Thickness: 20m - 150m
Ts5	Muddy Creek Formation (Pliocene/Miocene; 5 - 11 Ma) Thickness: 1,000m - 3,000m
Tb	Tertiary Basalt - lava flow (Miocene; 6 - 17 Ma) Thickness: 30m
Tt4	Welded Ash Fall Tuffs (Miocene; 11 Ma) Thickness: 75m - 225m
Tl	Older Lake Beds (Pliocene/Miocene) Thickness: 400m - 425m
Tt3	Ash Flow Tuff (Miocene; 17 - 26 Ma) Thickness: 500m
Tr4	Younger Rhyolite, lava flow(Miocene; 17 Ma) Thickness: 100m
Ts4	Bedded Tuff and Tuffaceous sandstone (Miocene) Thickness: 0m - 150m
Mzu	Undifferentiated Mesozoic Rocks
Pz	Undivided Paleozoic Rocks
Tai	Tertiary Intrusives (Miocene/Oligocene)

Sources:
Page et al 2005 & 2006
Ekren et al, 1977
Figure Prepared by URS for the Clover Valley Well Siting Memo (Vidler 2007a)

Clover Valley - Geologic Cross Section A-A'



Legend

———	Fault
– – –	Approximate/concealed fault
T	Towards
A	Away
⇄	Relative movement arrows
TD	Total depth

Vertical Scale 1 inch = 1,000 meters = 3,000 feet
Horizontal Scale 1 inch = 4,963 meters = 14,080 feet
1,760 meters = 5,280 feet

DRAFT

Figure 3-3

Location of Cross Section Shown on Map 3-2a

Figure prepared by URS for the Clover Valley Siting Memo (Vidler 2007a)

P:\Vidler Water Company\Clover\gis\plots\Figures\Figure5.pdf