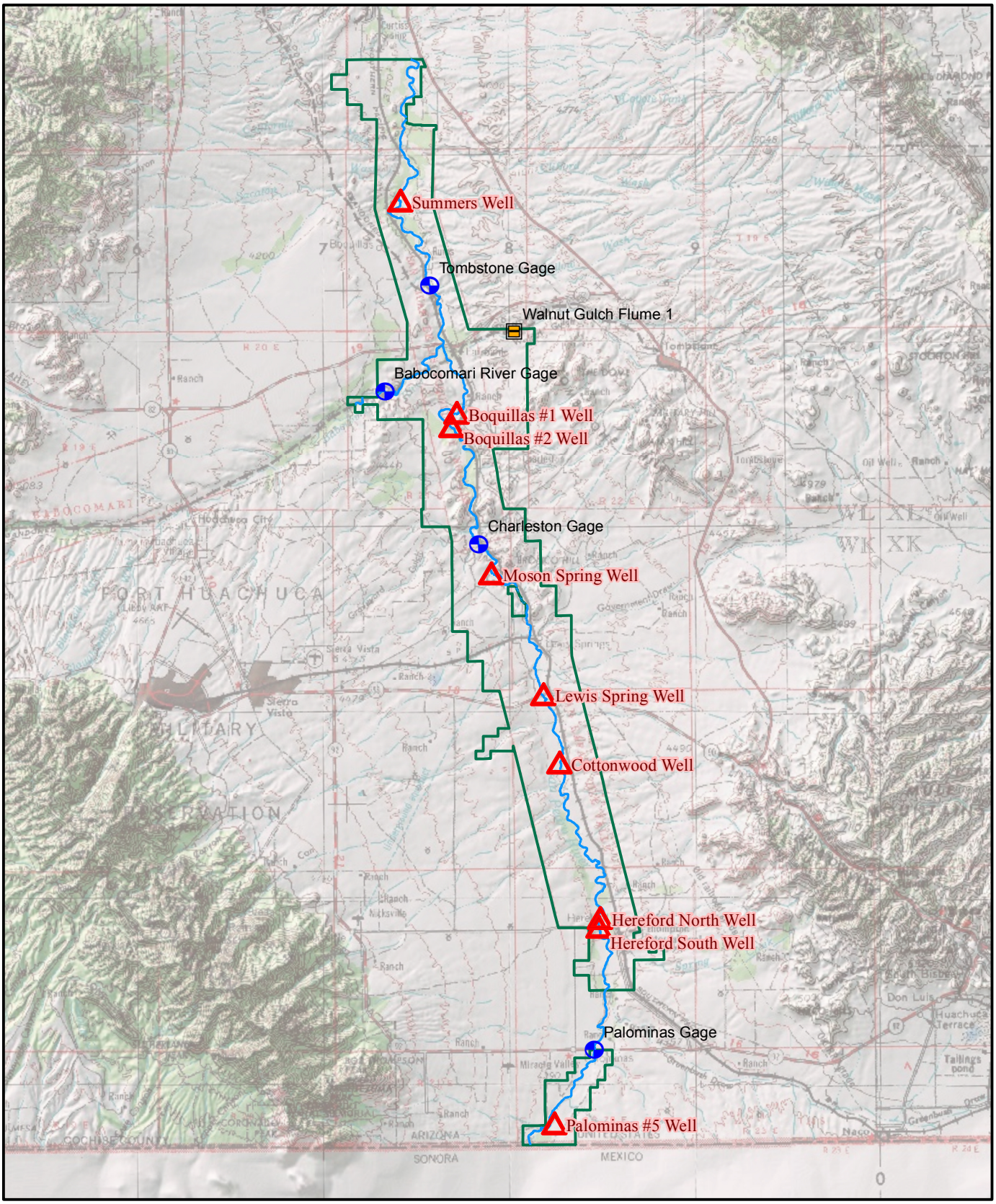
FIGURES



Legend

- BLM Water Level Monitoring Wells
- USGS Gage
- Flume
- SPRNCA Boundary

Basemap: USGS 1:250,000 Topo with Shaded Relief

0 1 2 4 Miles

N

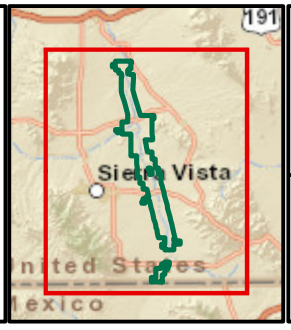


Figure 2-1: San Pedro River Streamflow Gages and BLM Water Level Monitoring Wells

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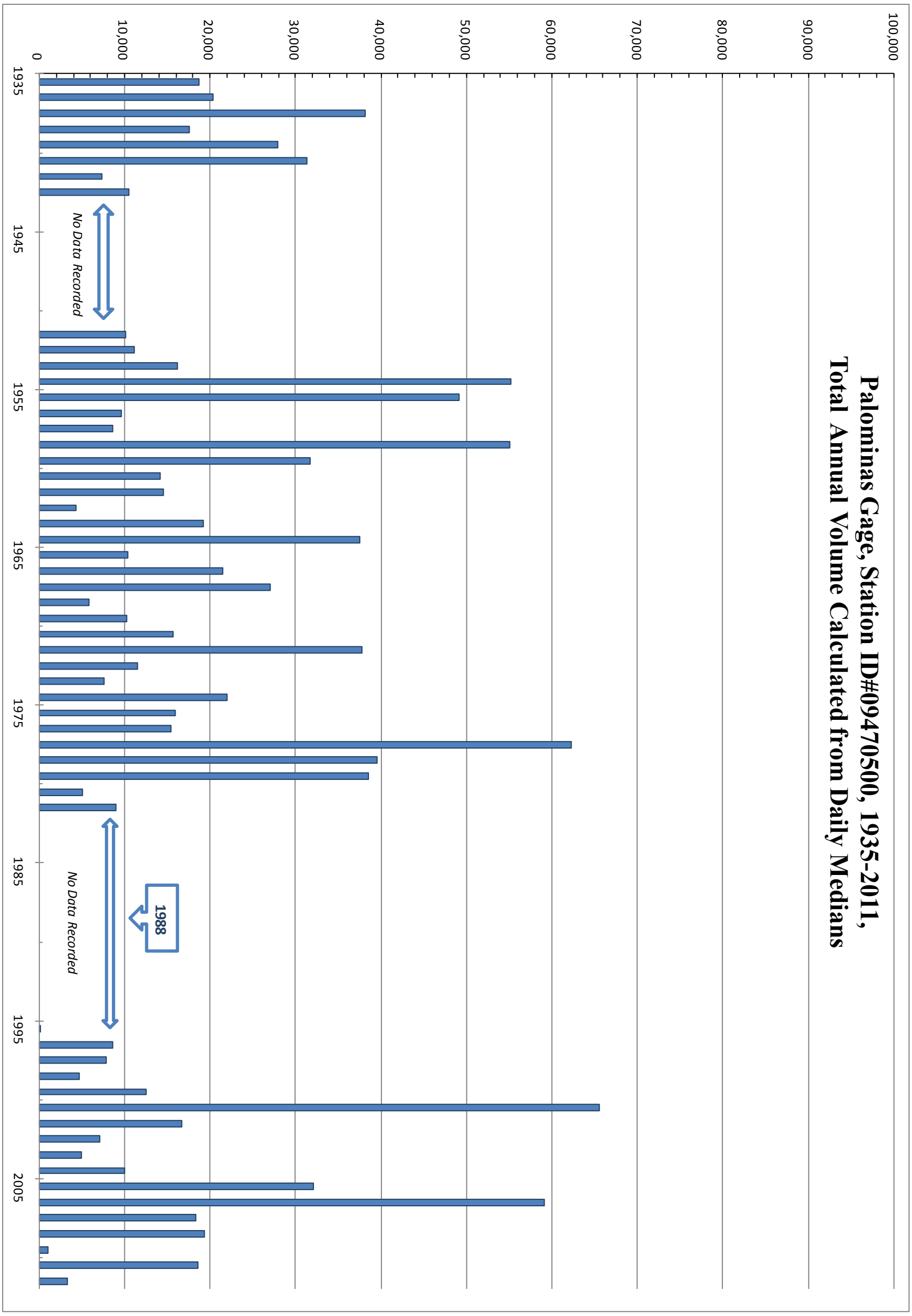

Figure 3-1: Trends in Volumes of Annual Streamflow for the San Pedro River at Palominas

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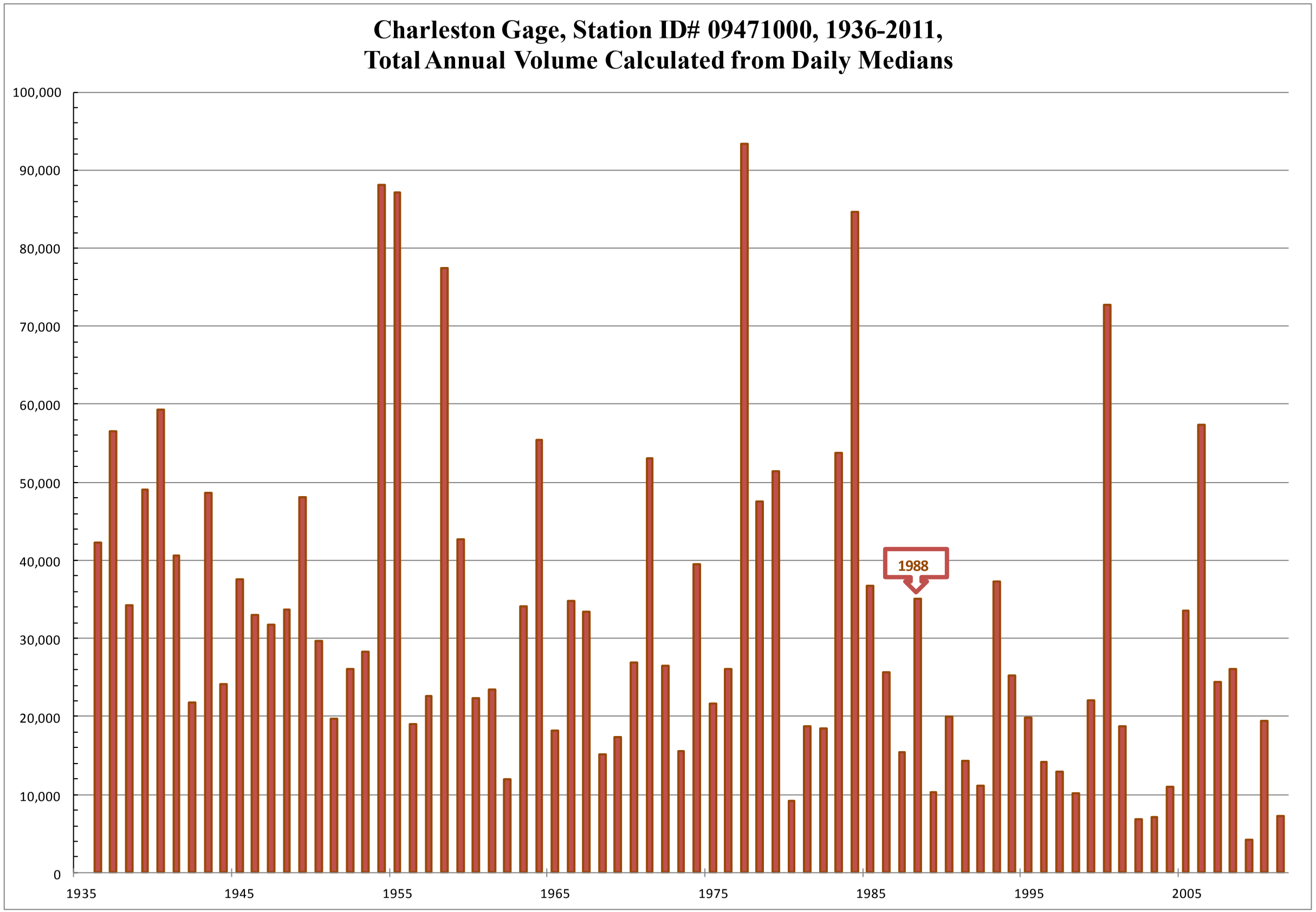

Figure 3-2: Trends in Volumes of Annual Streamflow for the San Pedro River at Charleston

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ARIZONA DEPARTMENT OF WATER RESOURCES ©

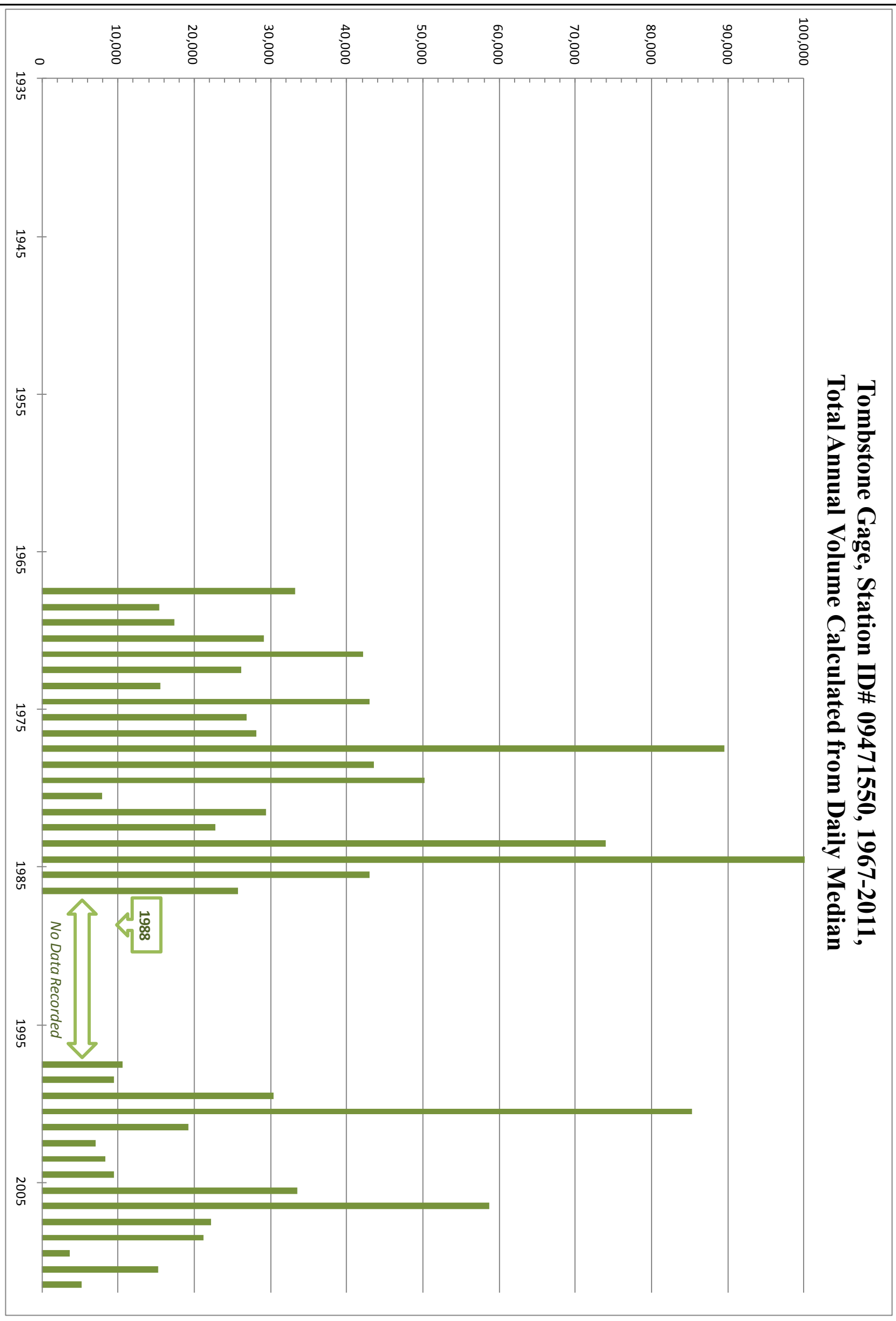

Figure 3-3: Trends in Volumes of Annual Streamflow for the San Pedro River at Tombstone

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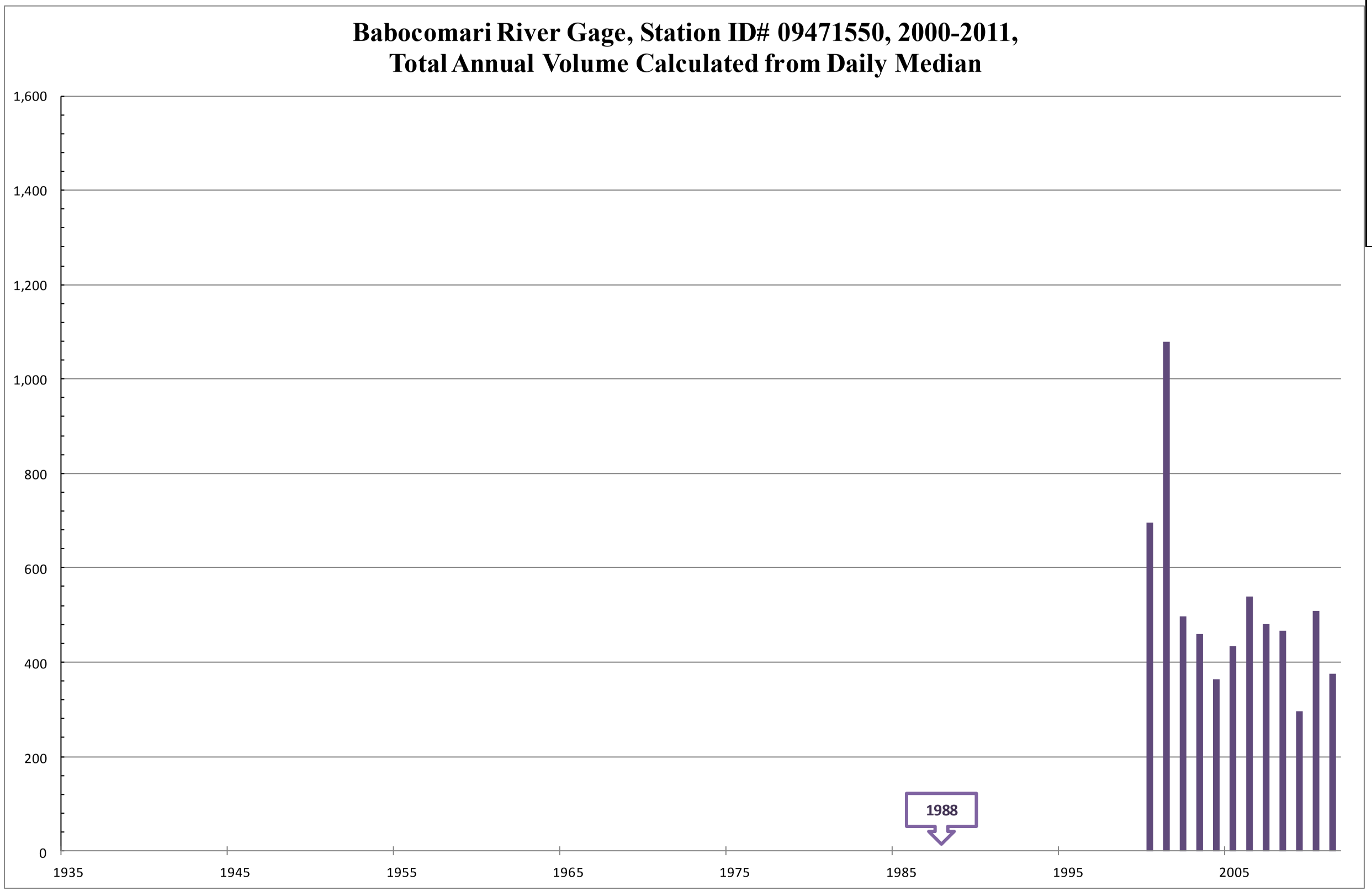

Figure 3-4: Trends in Volumes of Annual Streamflow for the San Pedro River at Babocomari

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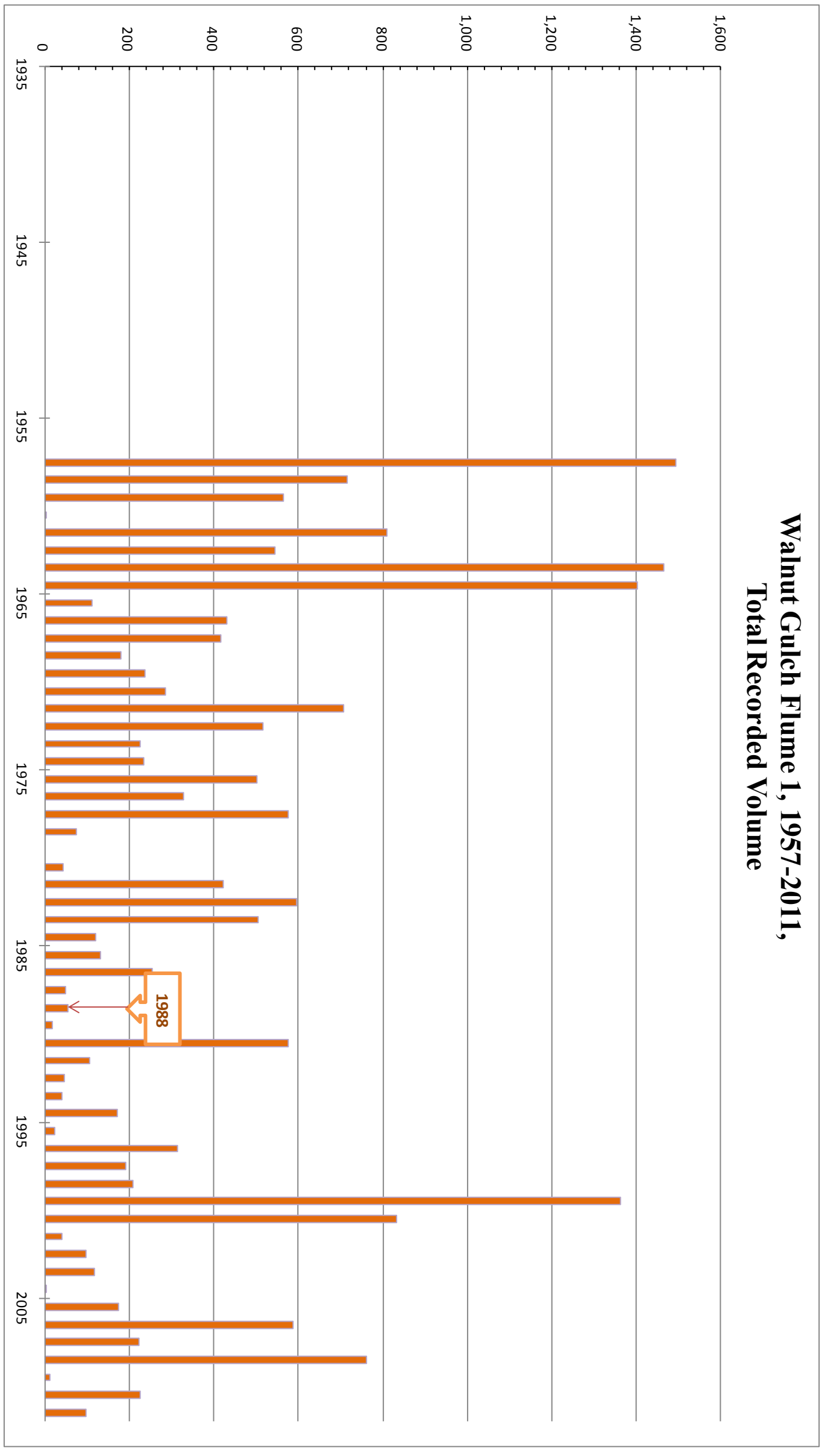

Figure 3-5: Trends in Volumes of Annual Storm Runoff for the San Pedro River at Walnut Gulch Flume 1

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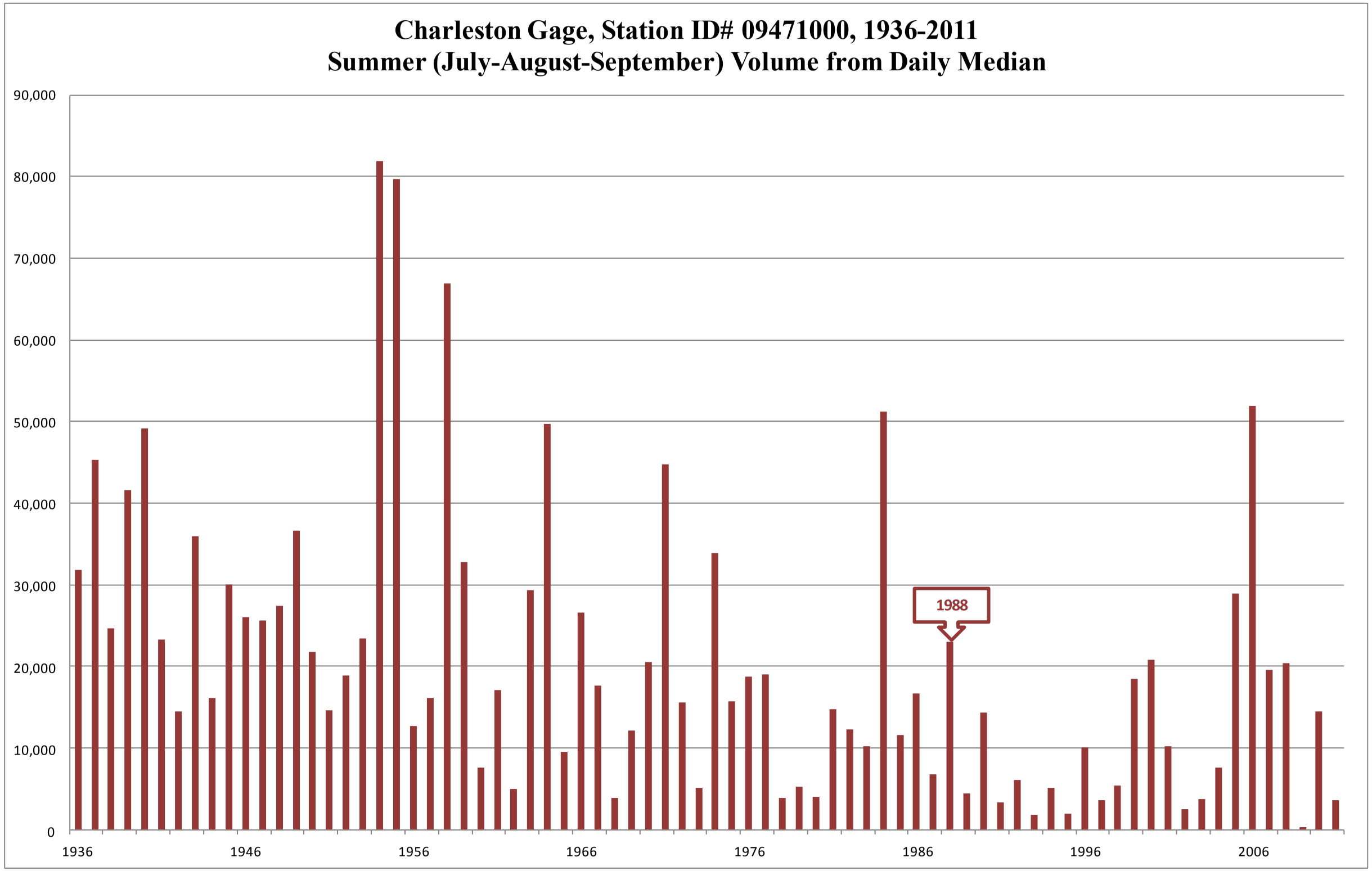

Figure 3-6: Trends in Volumes of Summer Streamflow for the San Pedro River at Charleston

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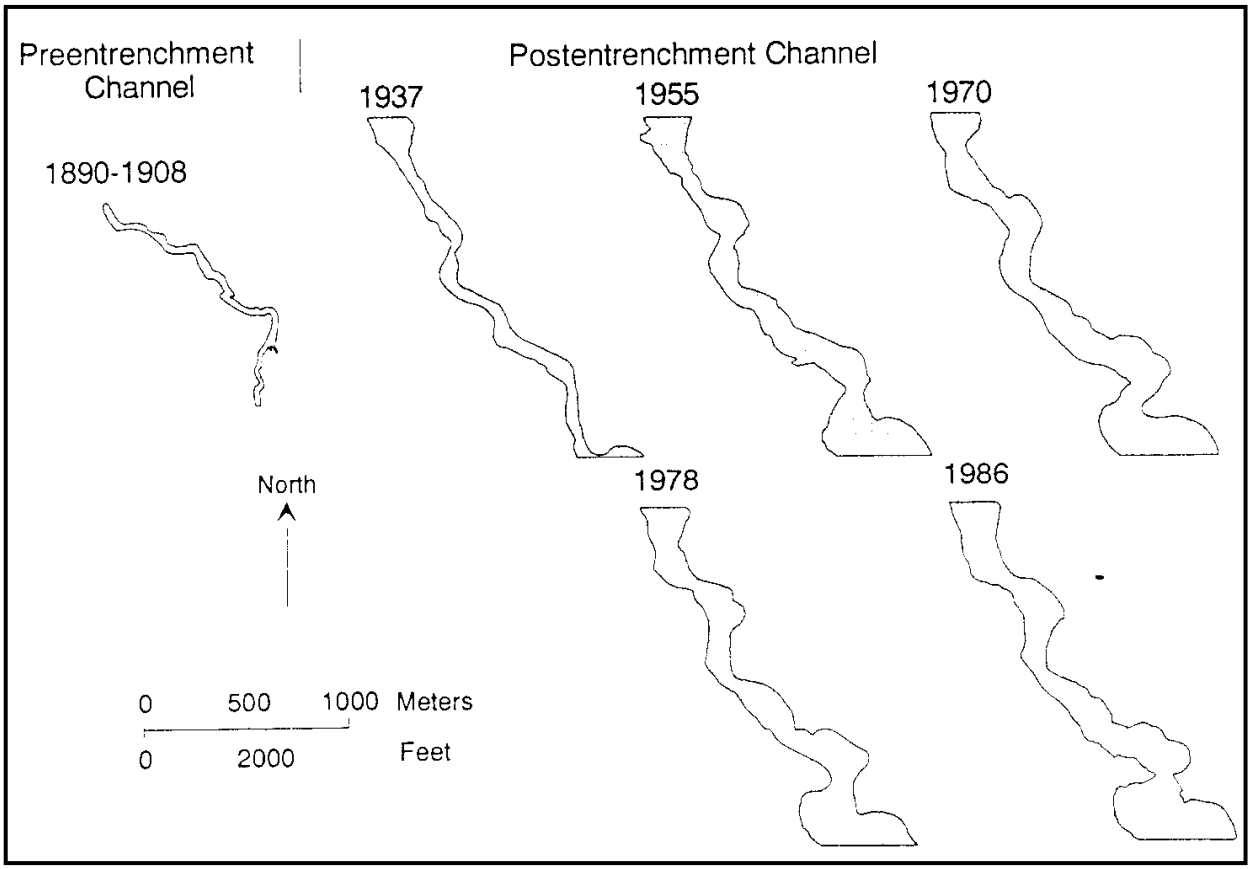

Figure 20. Maps showing the pre-entrenchment channel and expansion of the postentrenchment channel 3.2 km north of Hereford bridge as compiled from sequential-aerial photography.

Figure 3-7: Maps Showing The Pre-Entrenchment Channel and Expansion of the Post-Entrenchment Channel 3.2 km North of Hereford Bridge

(Reproduced from Figure 20 on Page 22 of Hereford, 1993)

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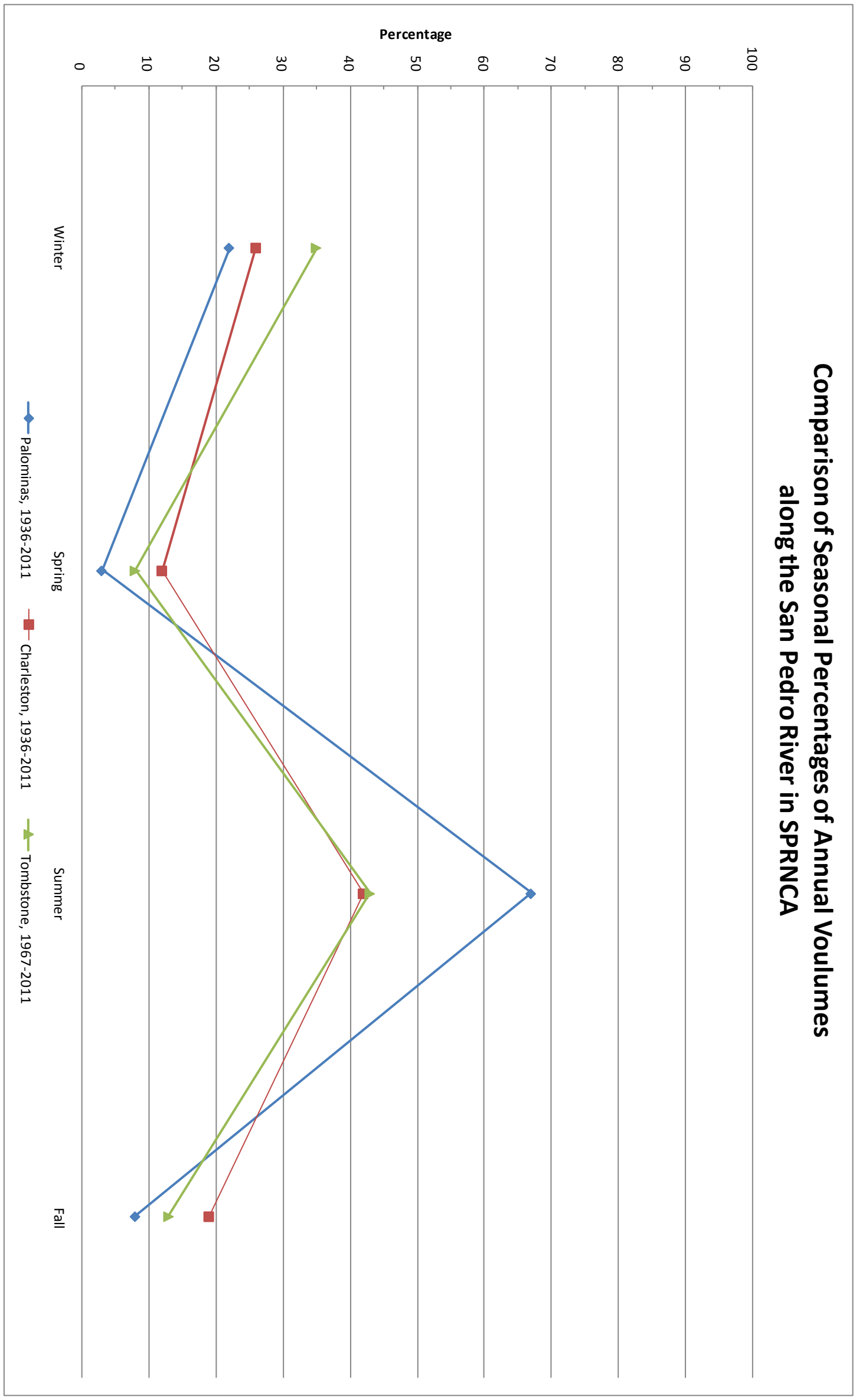

Definition of Seasonal Periods

- Winter is January through March
- Spring is April through June
- Summer is July through September
- Fall is October through December

Figure 3-8: Comparison of Seasonal Percentages of Annual Volumes along the San Pedro River in SPRNCA

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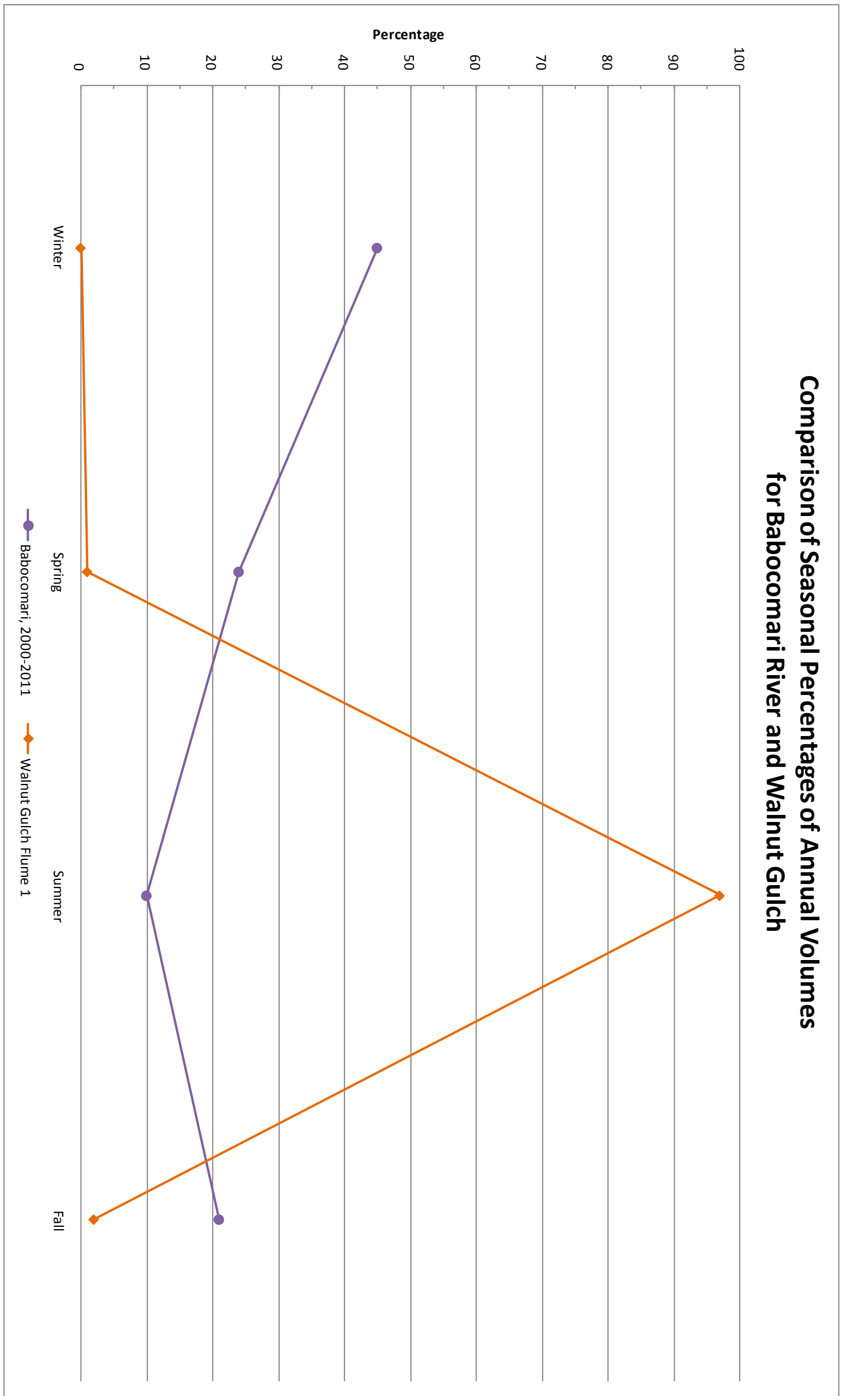

Definition of Seasonal Periods

- Winter is January through March
- Spring is April through June
- Summer is July through September
- Fall is October through December

Figure 3-9: Comparison of Seasonal Percentages of Annual Volumes for Babocomari River and Walnut Gulch

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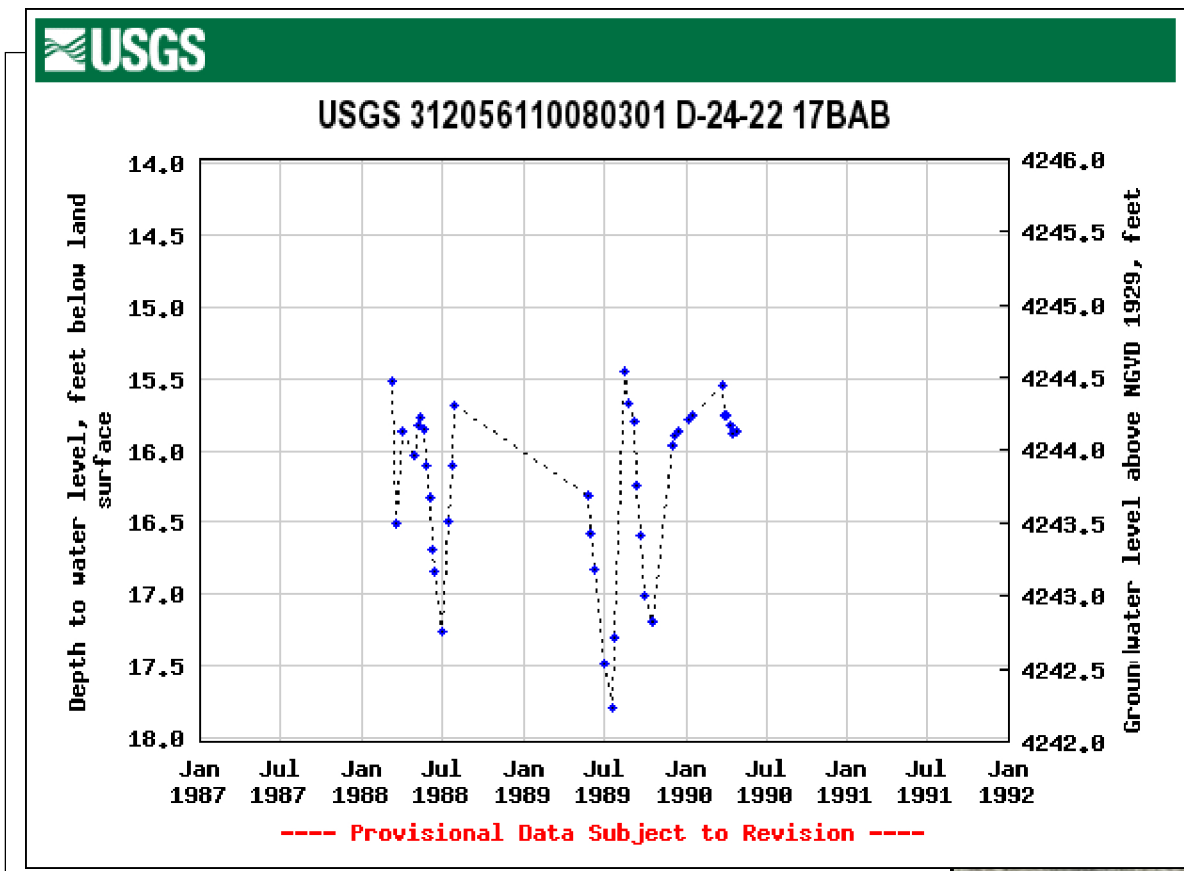

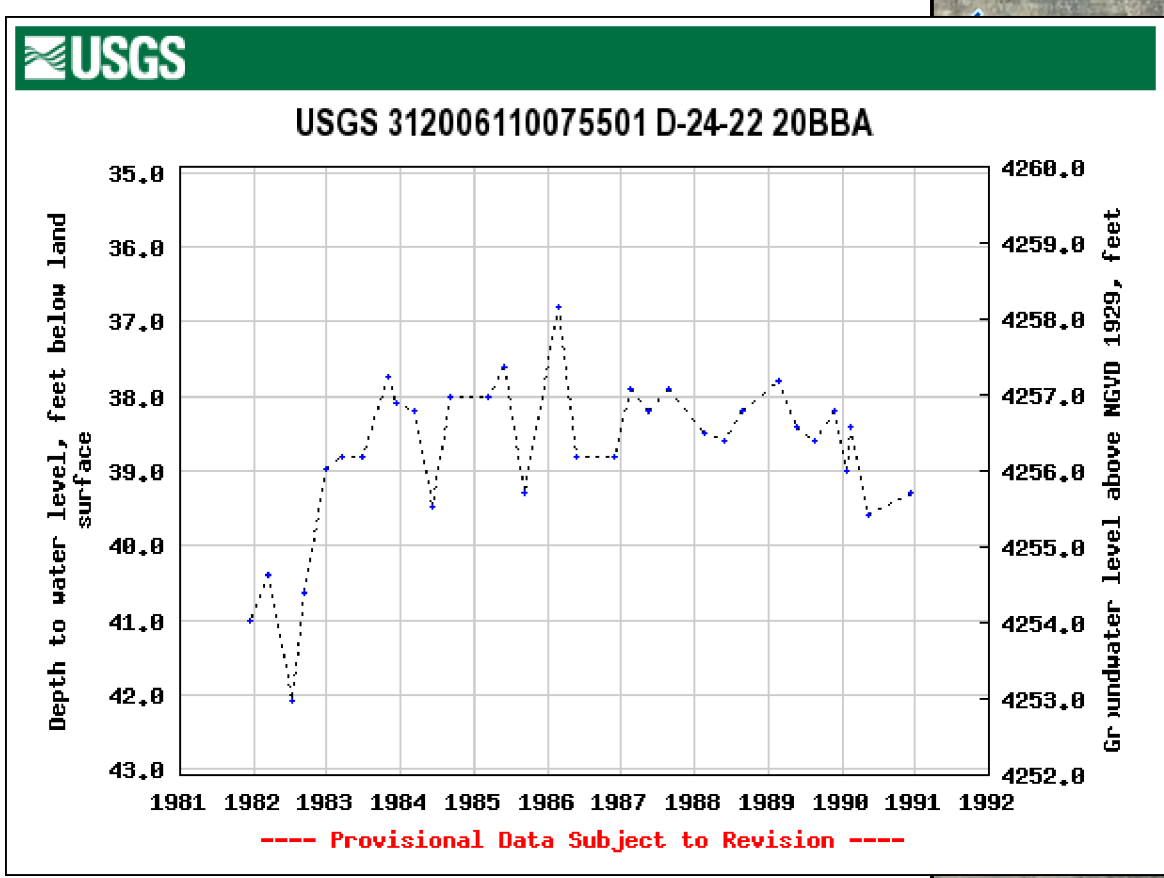

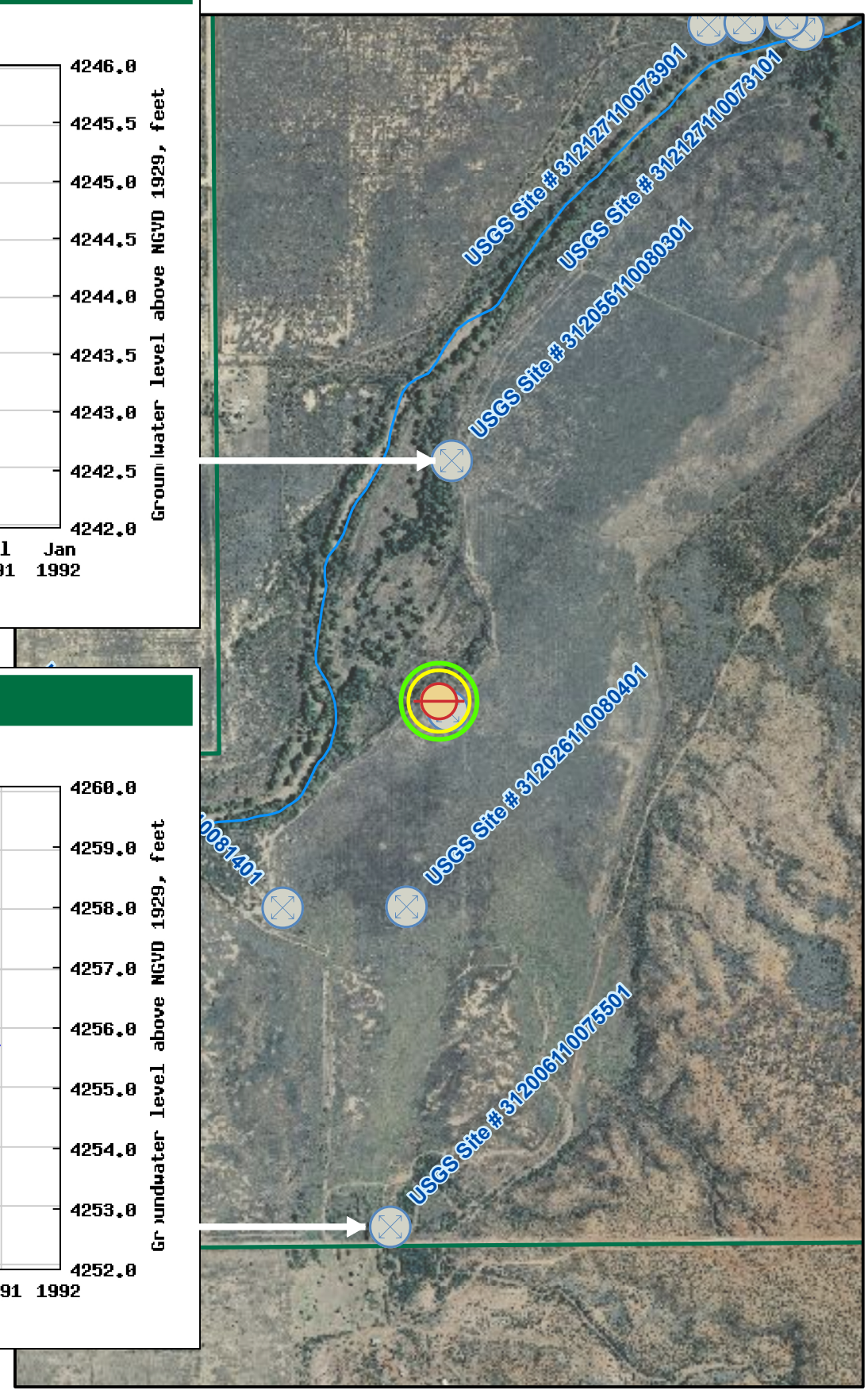

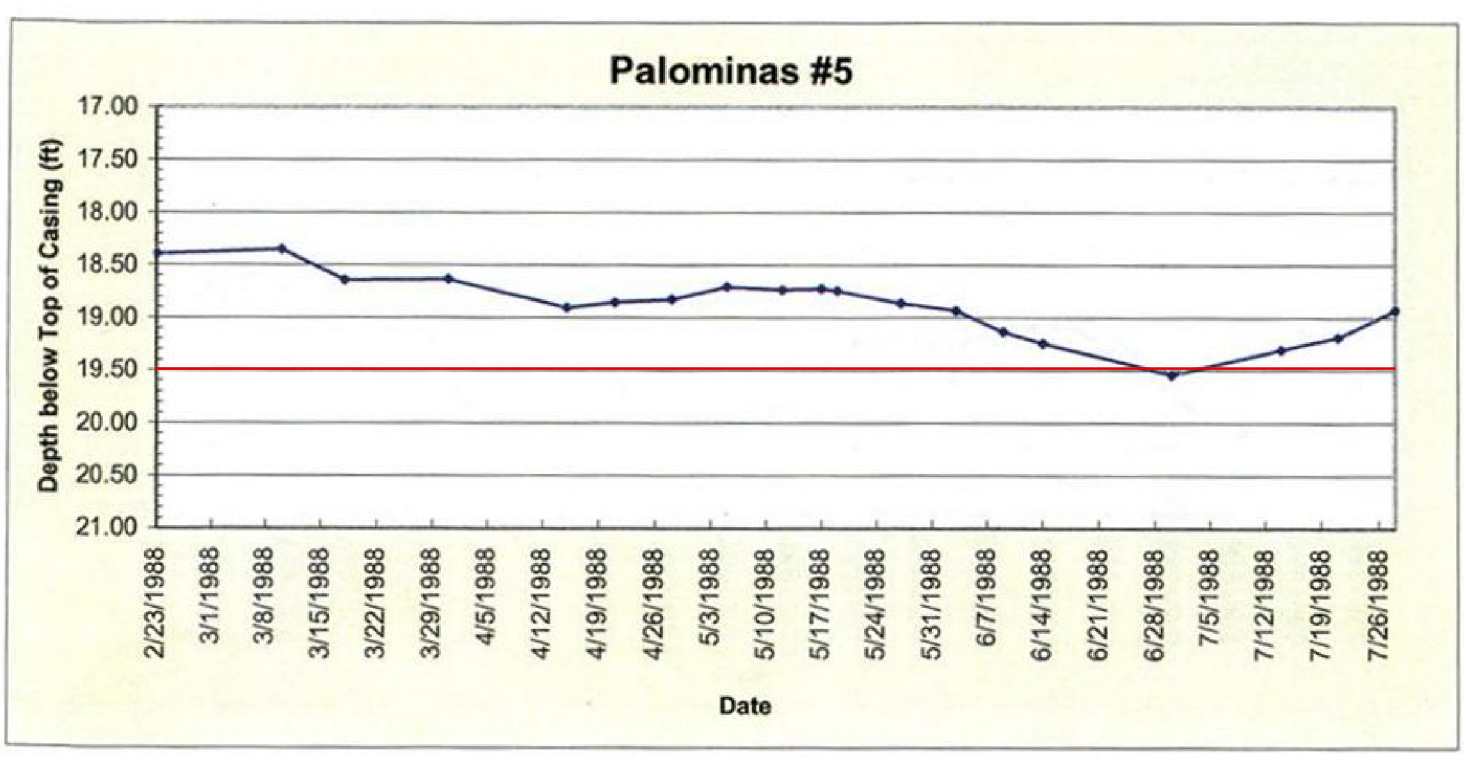

Reproduced from:
"Claims for
San Pedro River
Ground Water"
BLM (2006)
Top of Casing:
4267.638 ft
Claimed Water Elevation:
4248.1 ft
NAD83/NAVD88

Legend

BLM Water Level Monitoring Wells

USGS Water Level Sites

SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

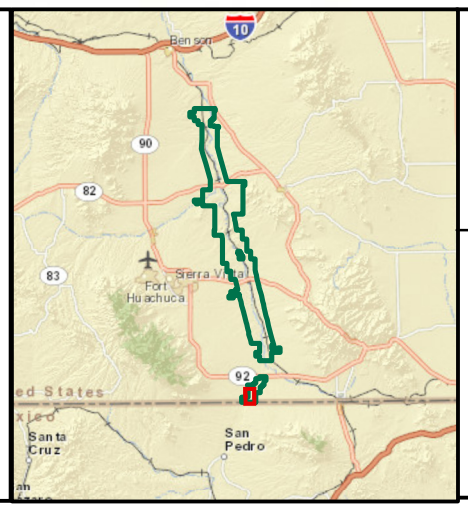

Figure 3-10: Wells in the Vicinity of Palominas #5 Water Level Monitoring Well

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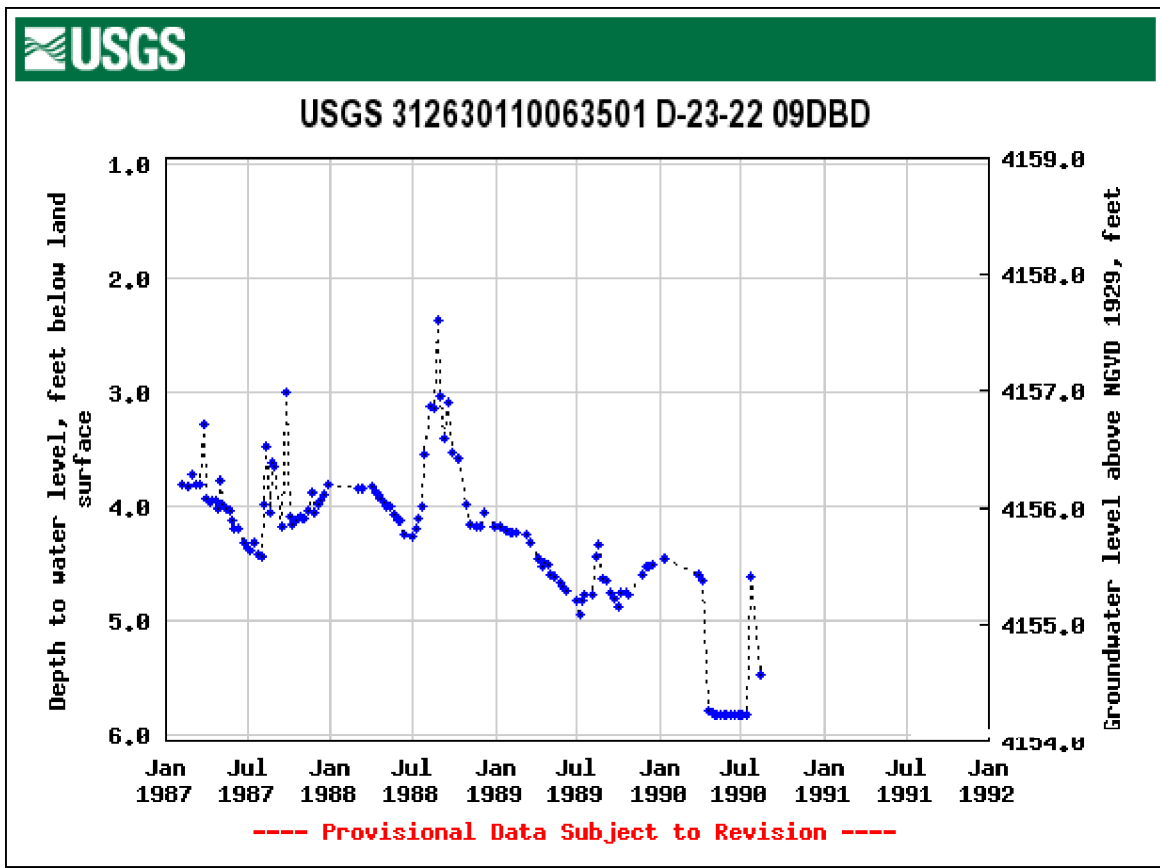

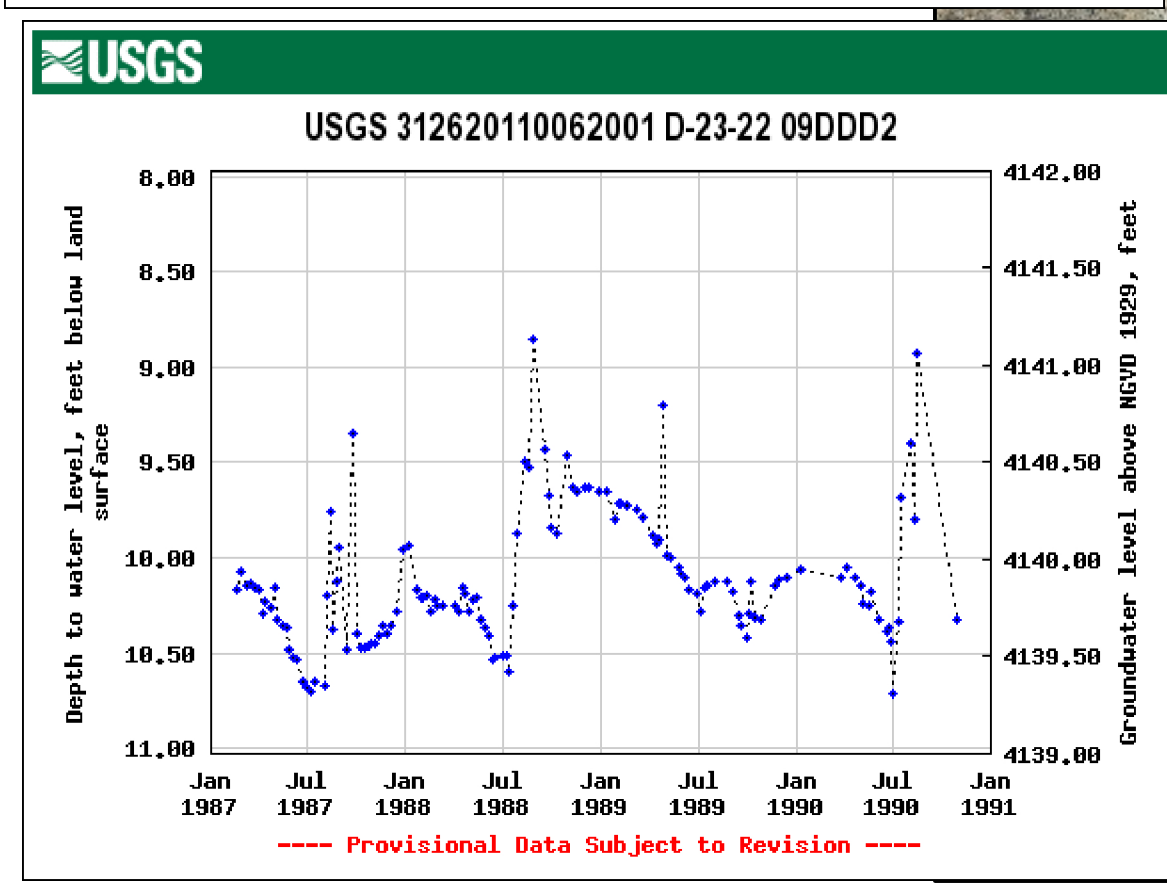

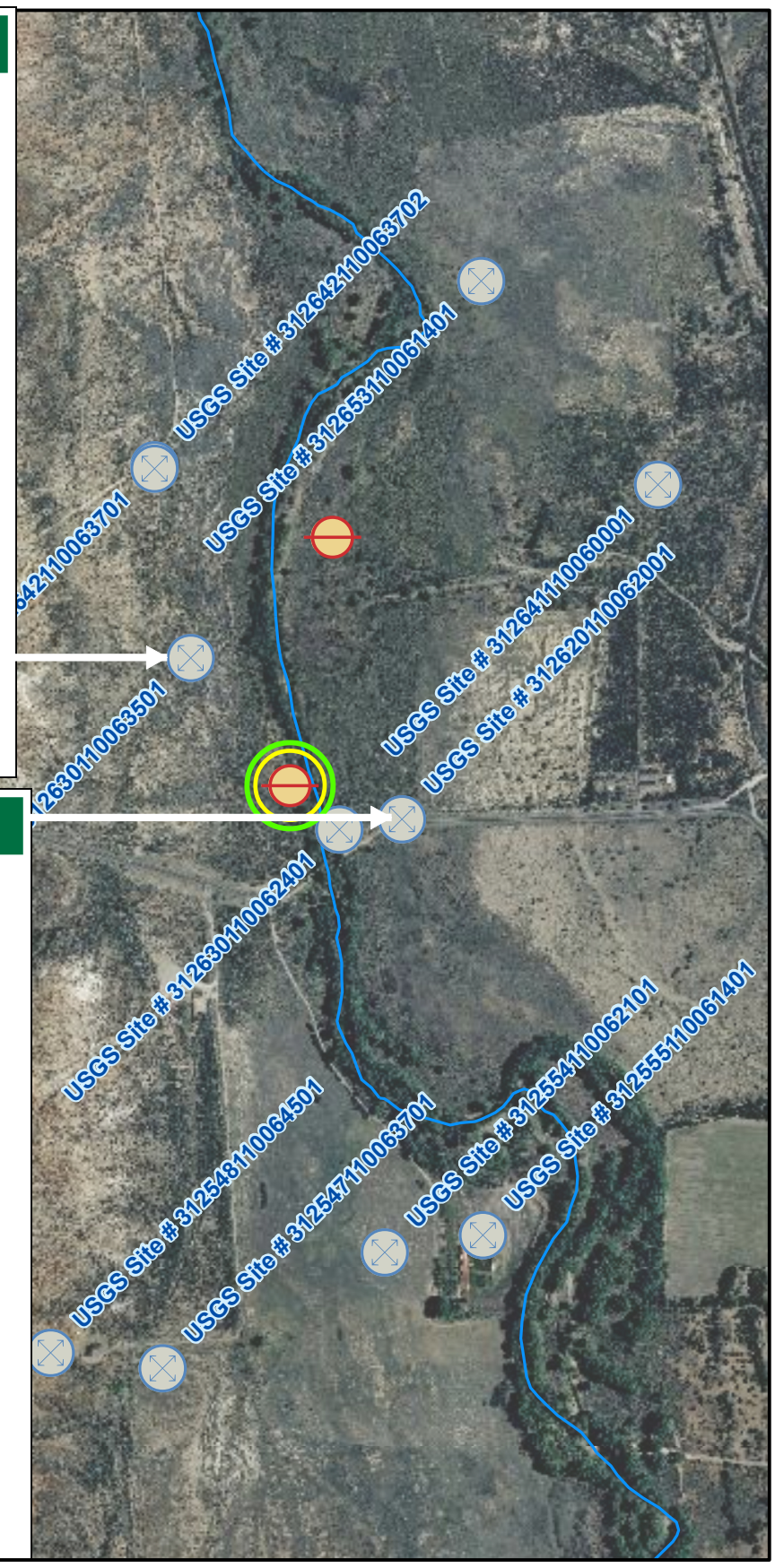

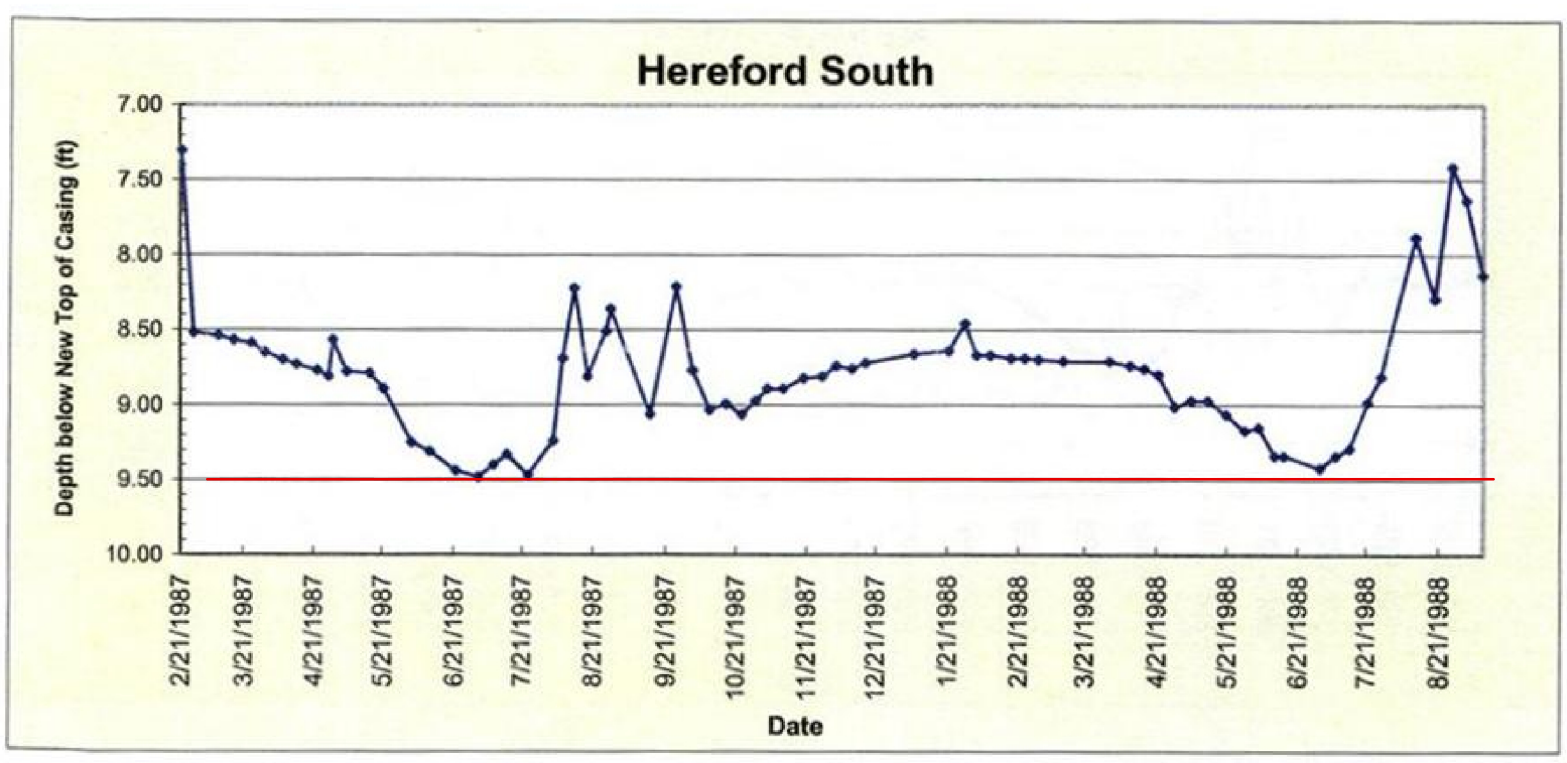

Reproduced from: "Claims for San Pedro River Ground Water" BLM (2006) Top of Casing: 4153.4 ft Claimed Water Level Elevation: 4143.9 NAD83/NAVD88

Legend

- BLM Water Level Monitoring Wells
- USGS Water Level Sites
- SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

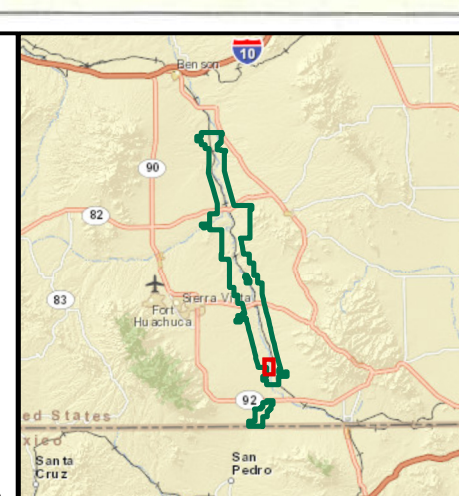

Figure 3-11: Wells in the Vicinity of Hereford South Water Level Monitoring Well

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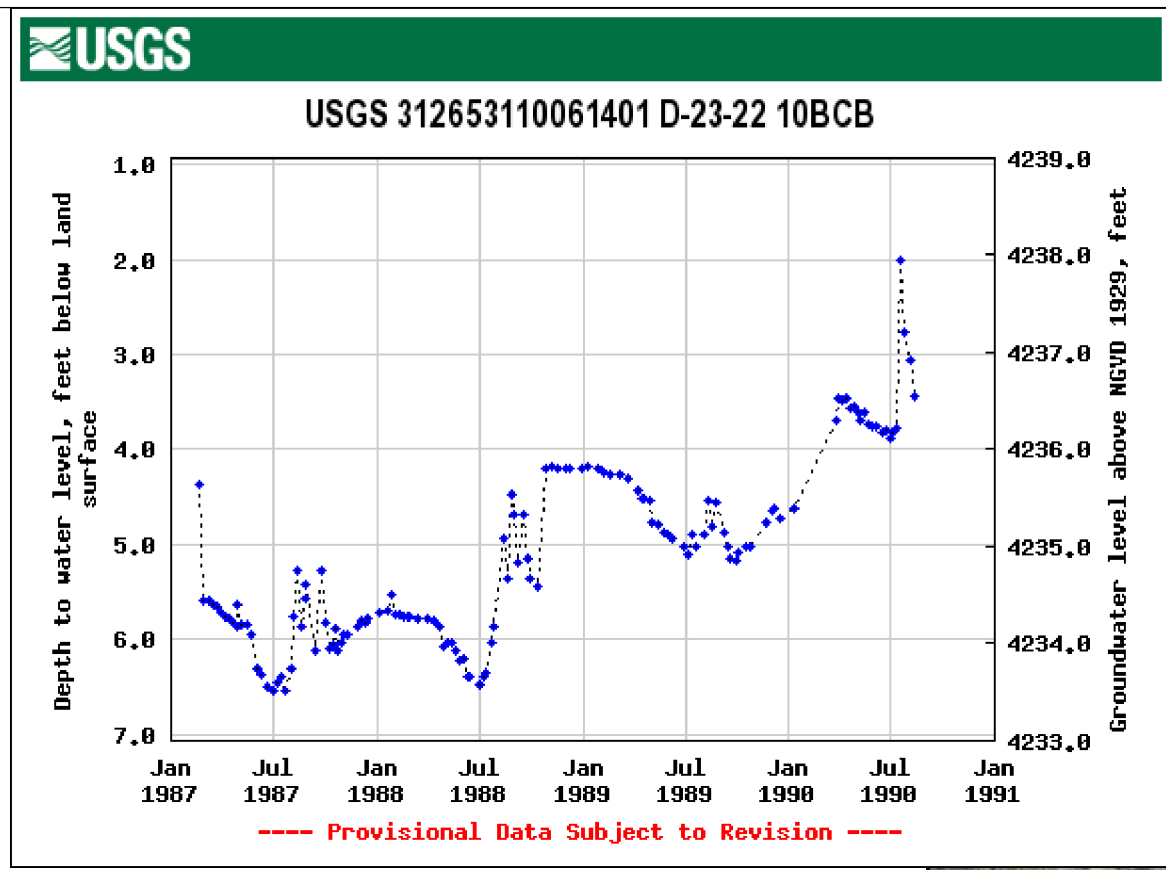

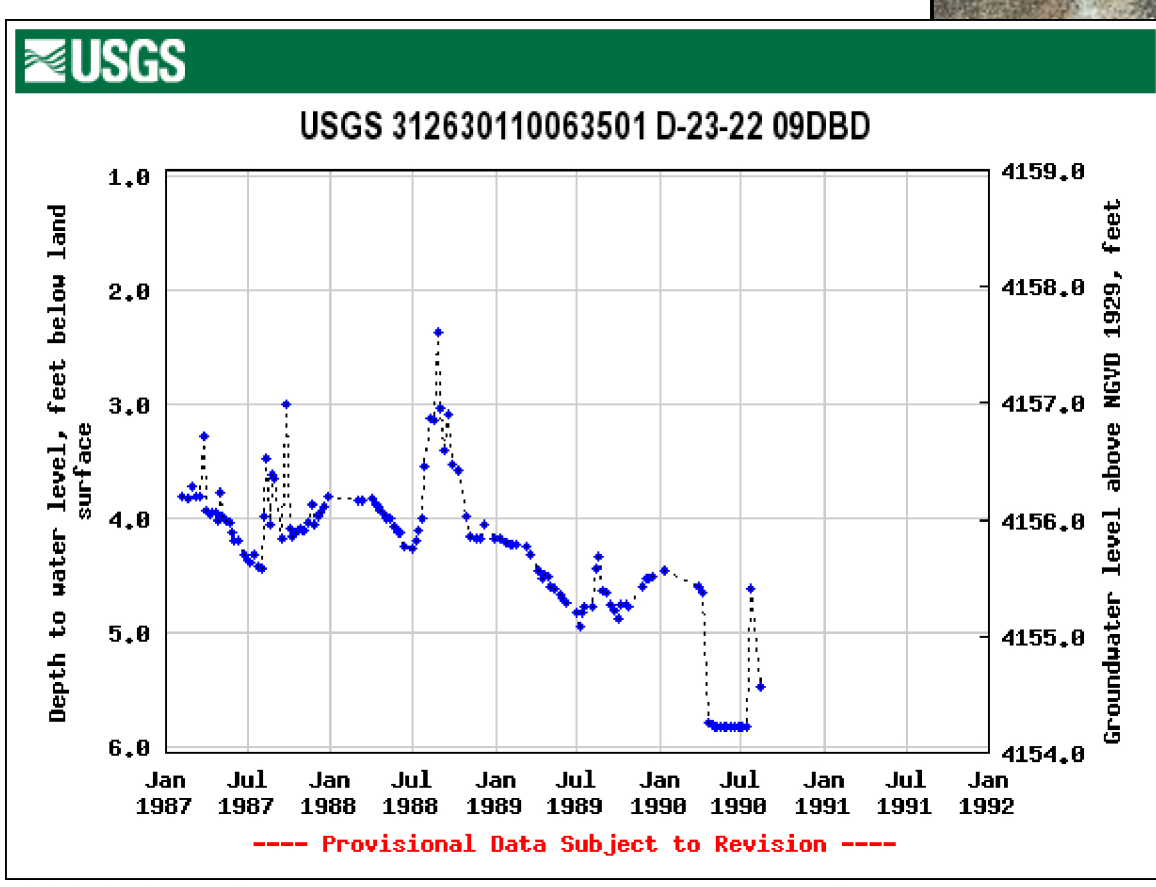

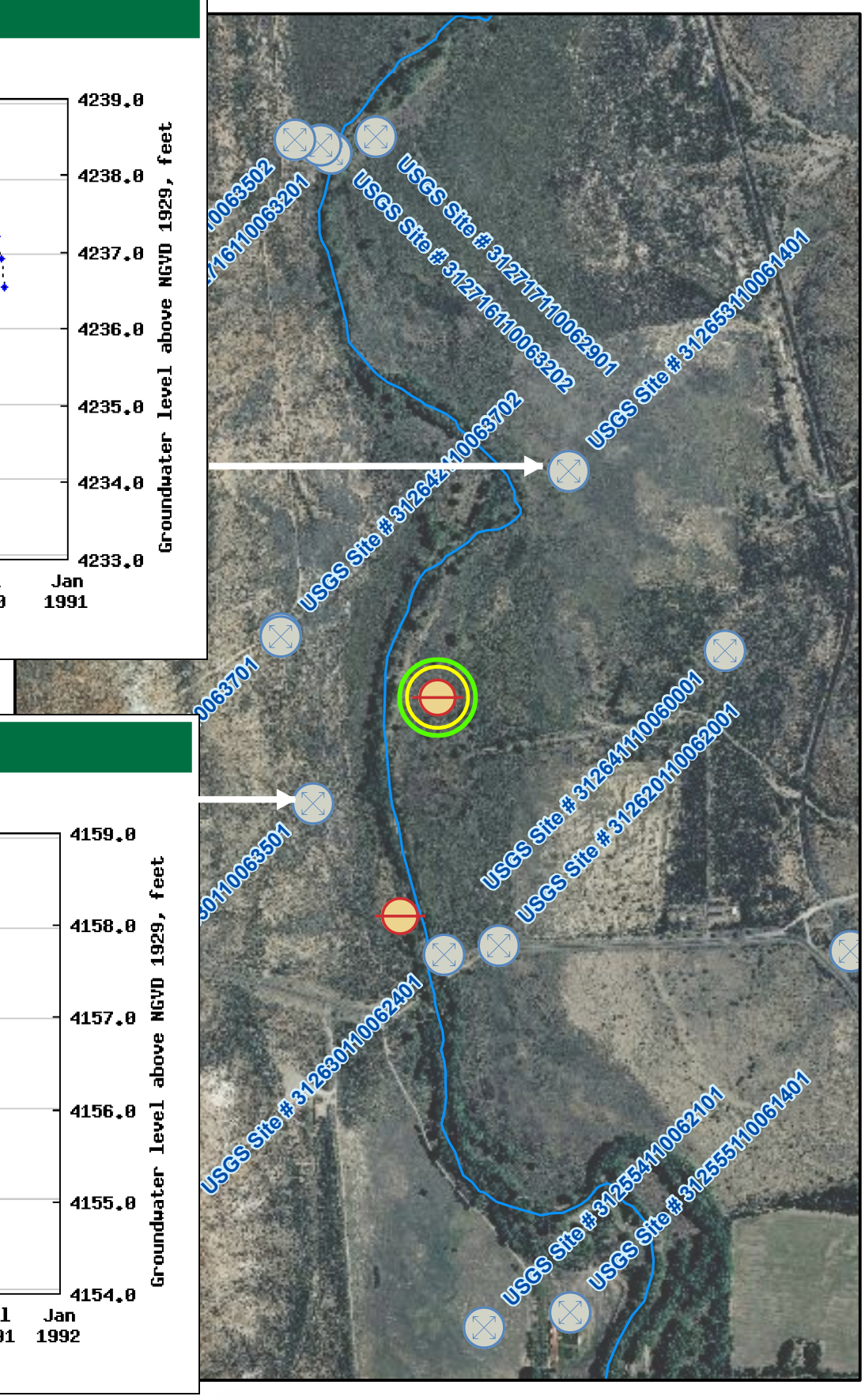

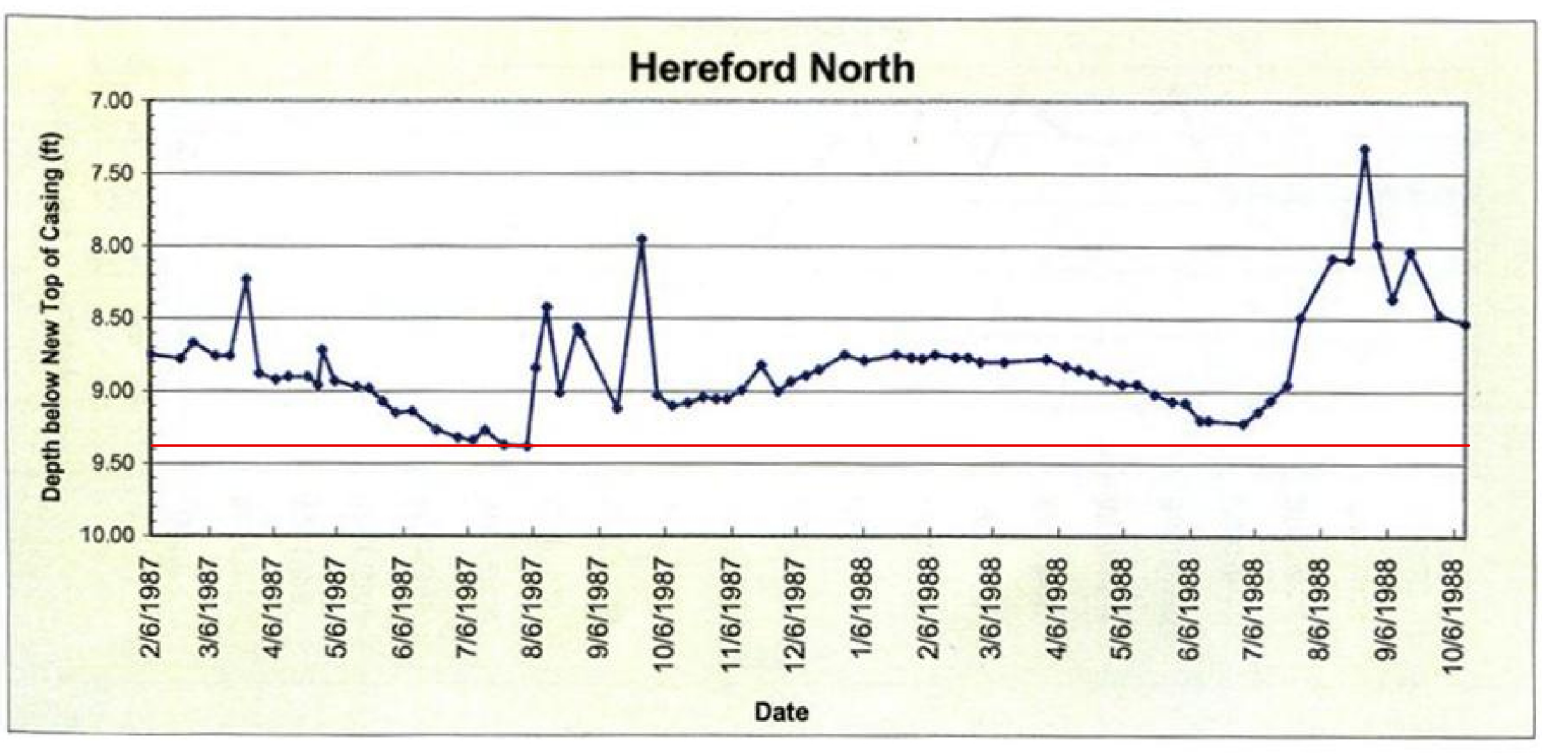

Reproduced from: "Claims for San Pedro River Ground Water" BLM (2006) Top of Casing: 4155.1 ft Claimed Water Level Elevation: 4157.7 ft NAD83/NAVD88

Legend

- BLM Water Level Monitoring Wells
- USGS Water Level Sites
- SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

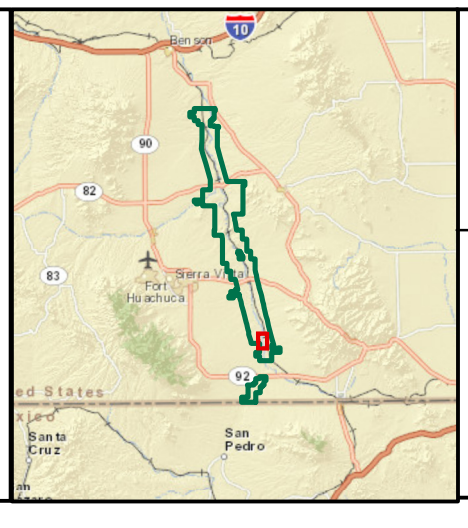

Figure 3-12: Wells in the Vicinity of Hereford North Water Level Monitoring Well

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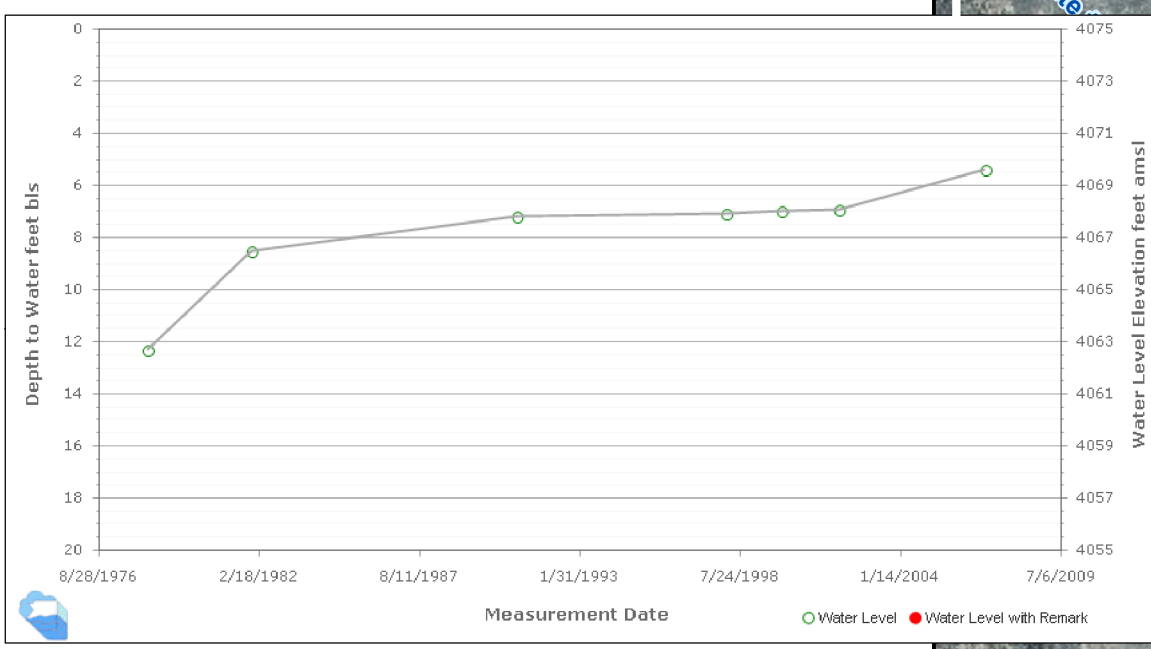
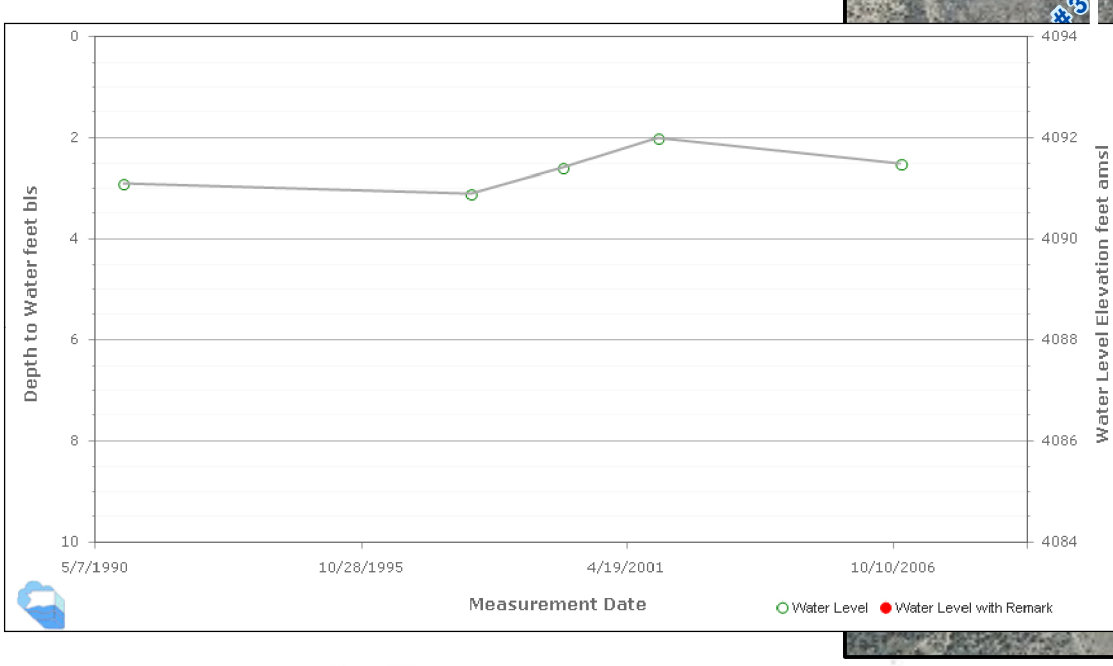
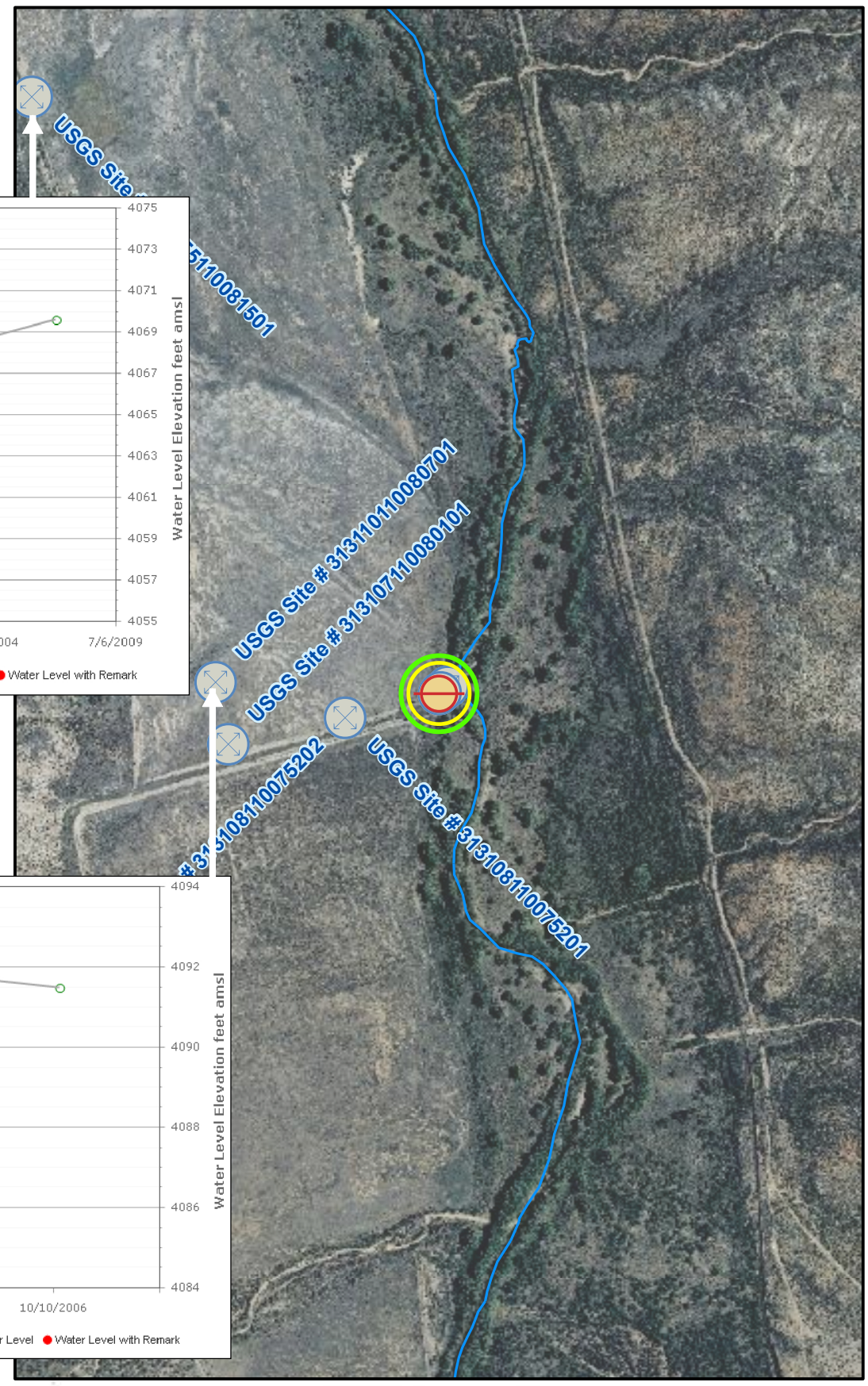
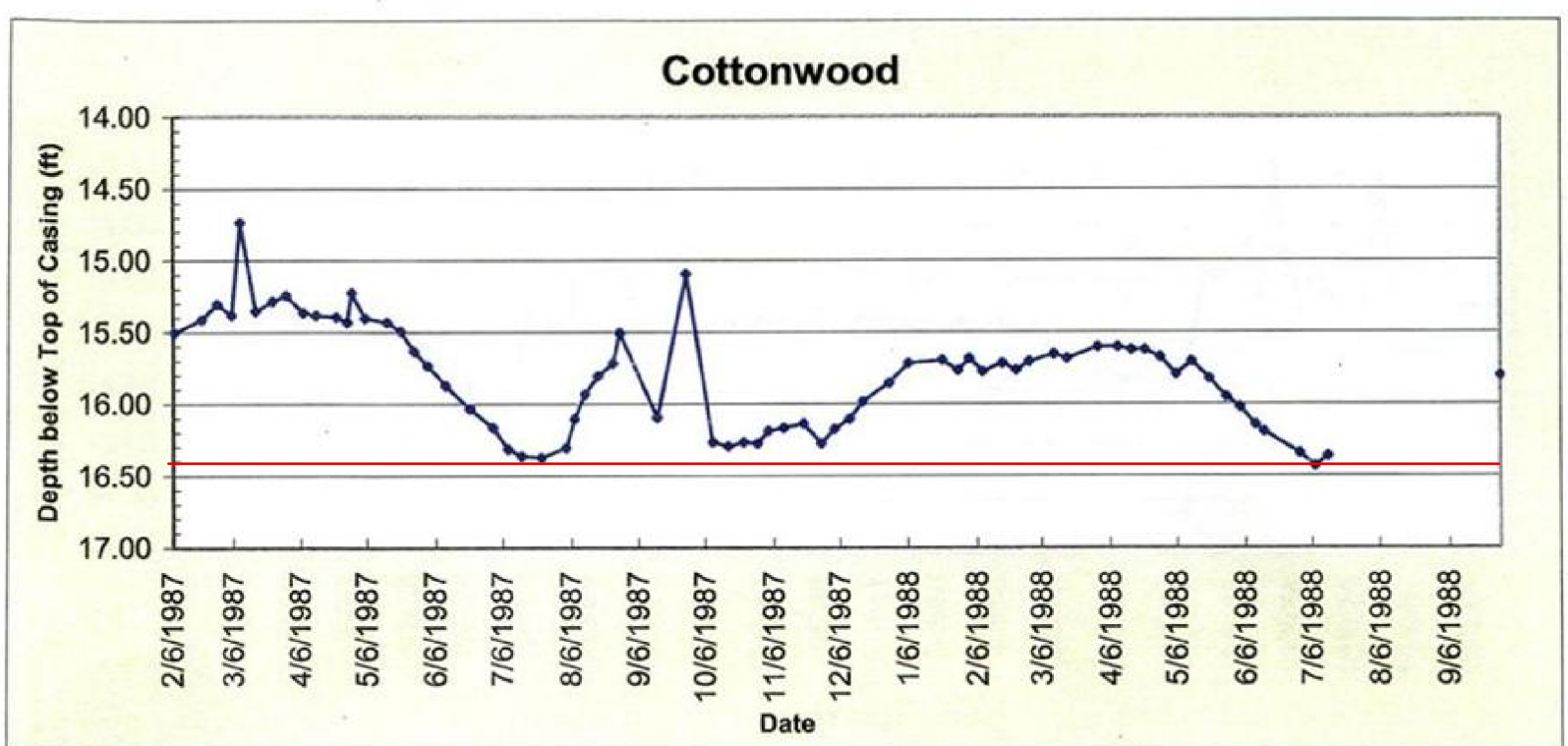


Note: ADWR GWSI hydrographs included here because USGS hydrographs were unavailable for these wells.







Reproduced from: "Claims for San Pedro River Ground Water" BLM (2006) Top of Casing: 4087.1 ft Claimed Water Level Elevation: 4070.1 ft NAD83/NAVD88

Legend

- BLM Water Level Monitoring Wells
- USGS Water Level Sites
- SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

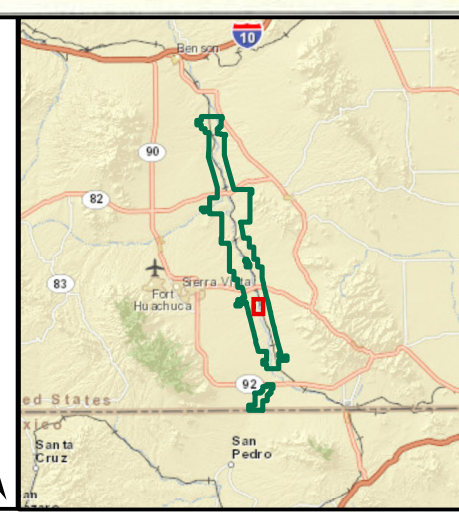


Figure 3-13: Wells in the Vicinity of Cottonwood Water Level Monitoring Well

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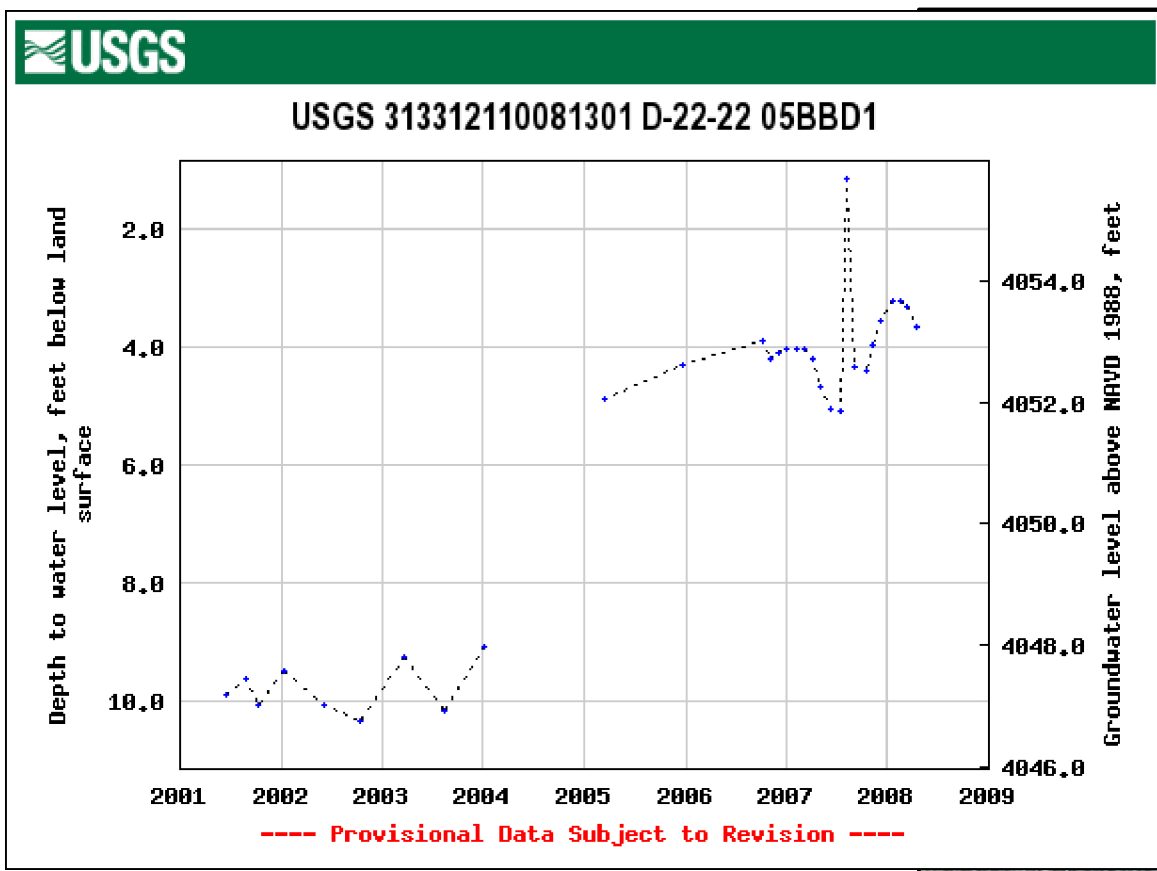

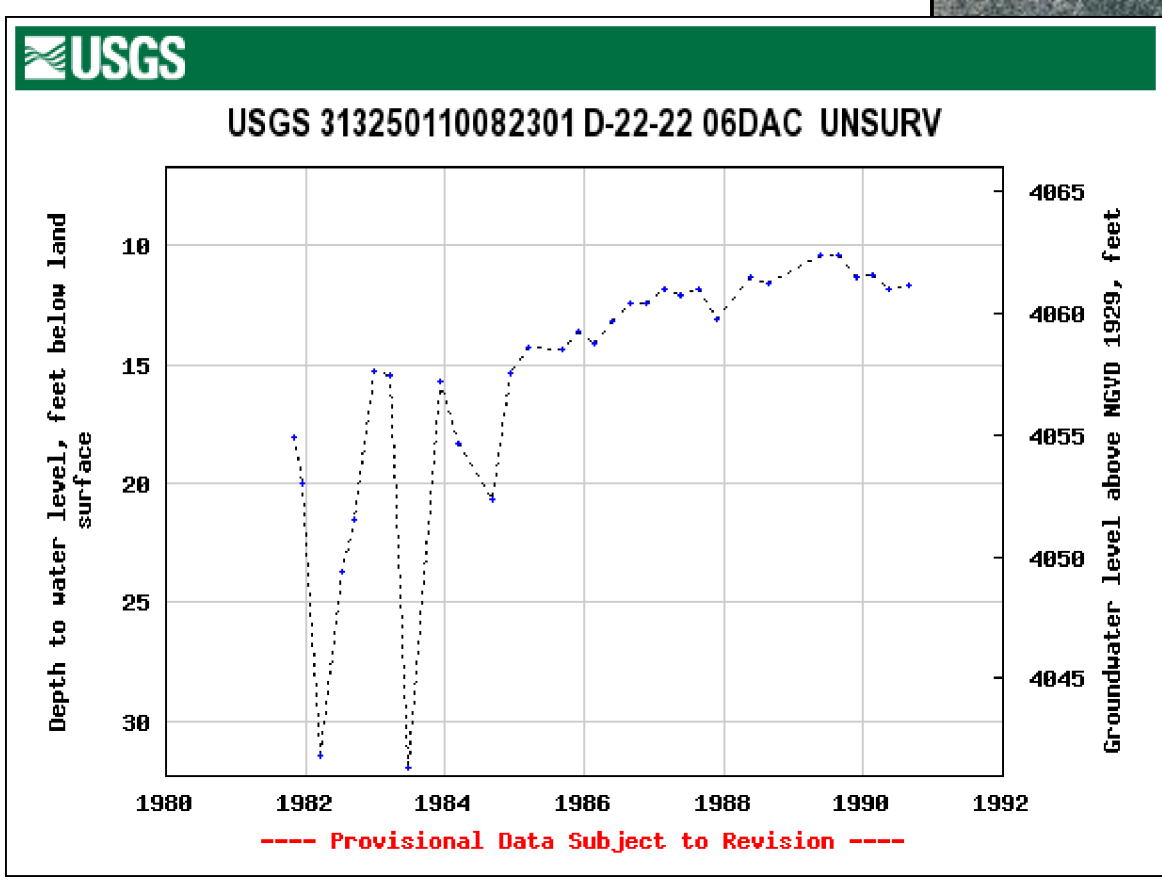

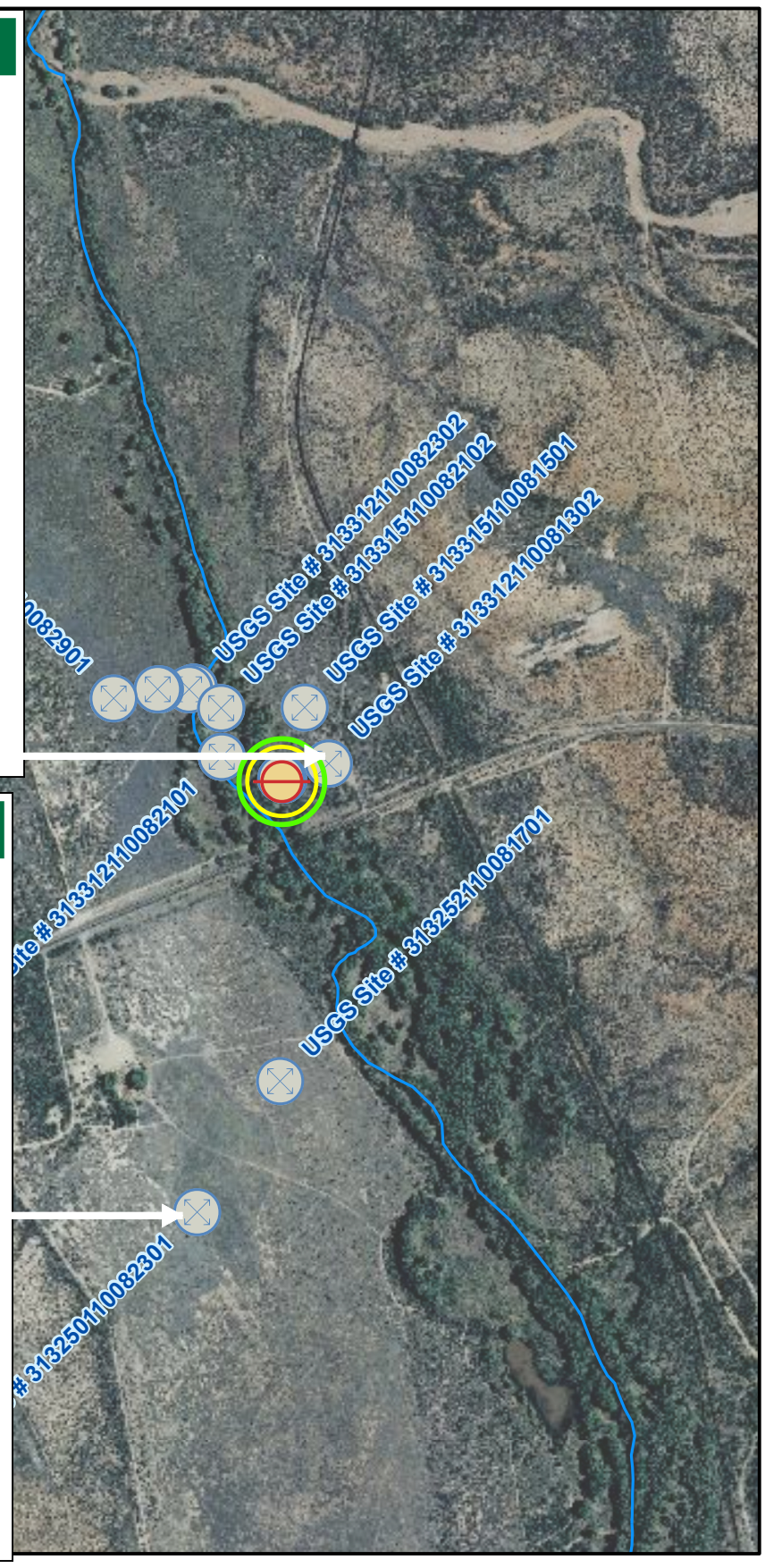

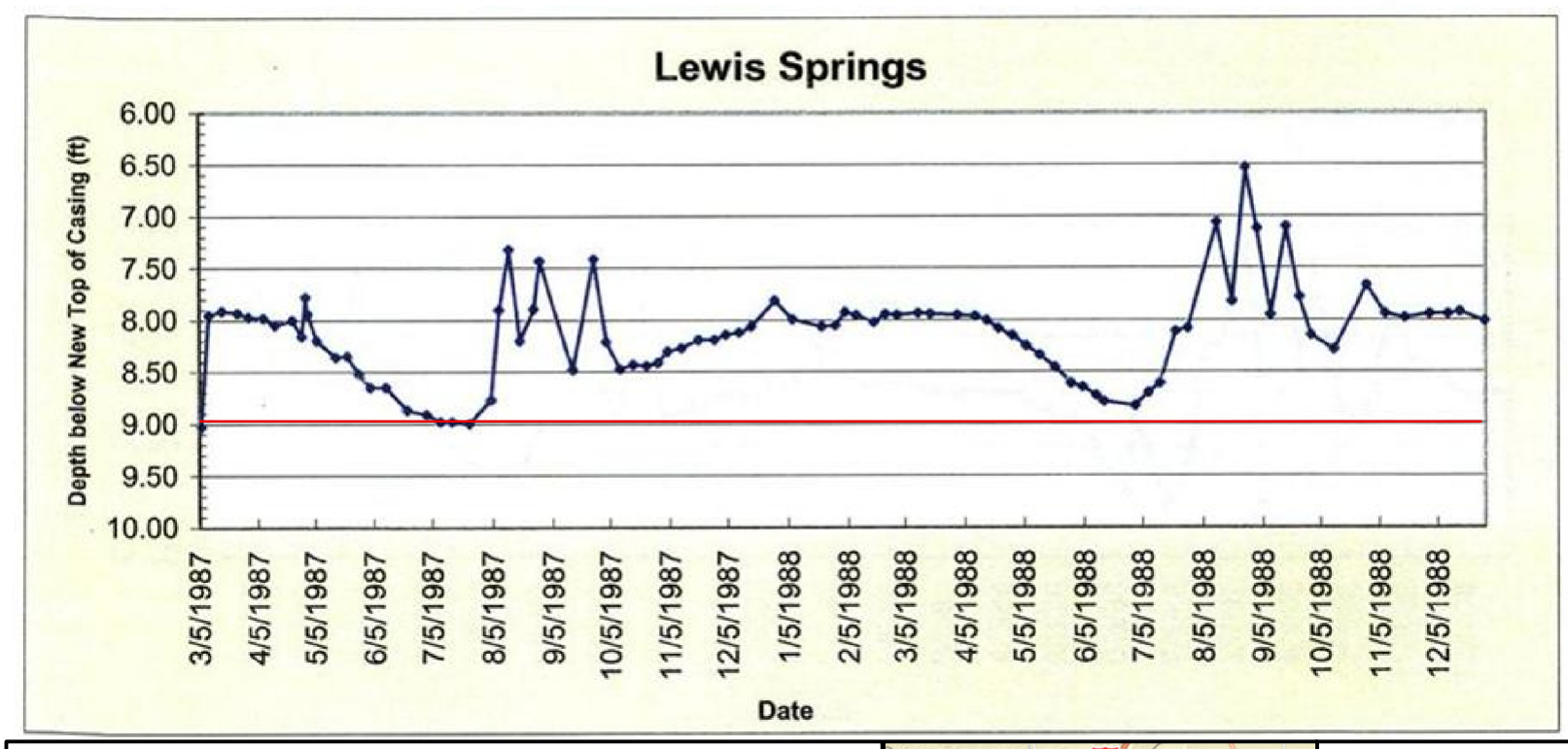

Reproduced from: "Claims for San Pedro River Ground Water" BLM (2006) Top of Casing: 4049.9 ft Claimed Water Level Elevation: 4040.9 ft NAD83/NAVD88

Legend

- BLM Water Level Monitoring Wells
- USGS Water Level Sites
- SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

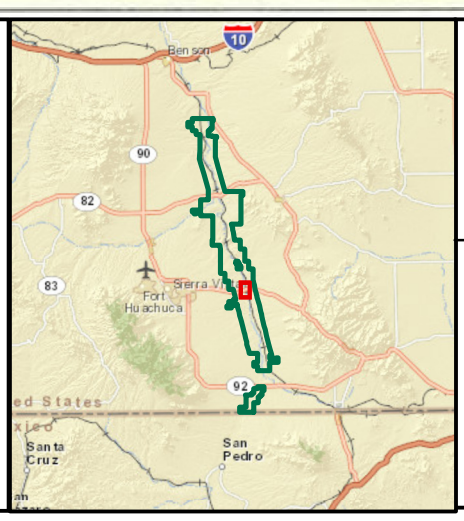

Figure 3-14: Wells in the Vicinity of Lewis Spring Water Level Monitoring Well

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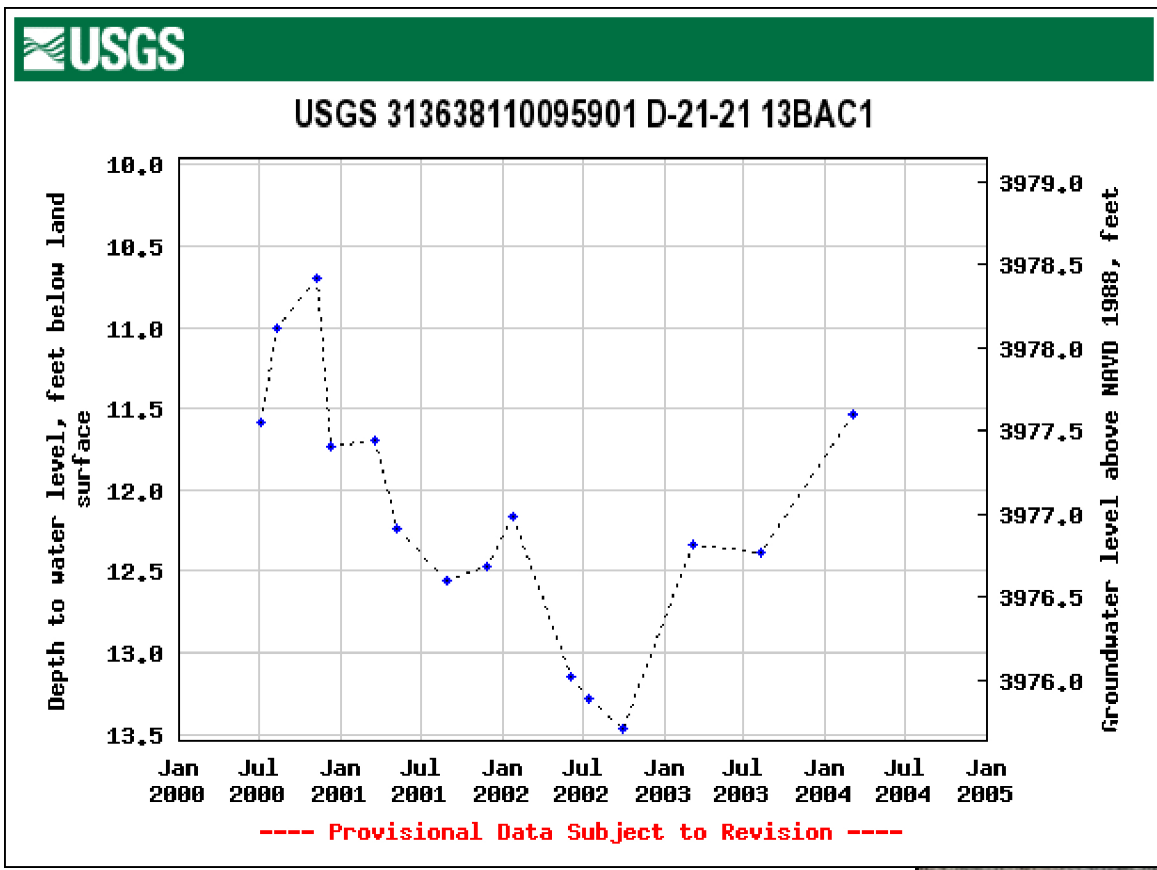

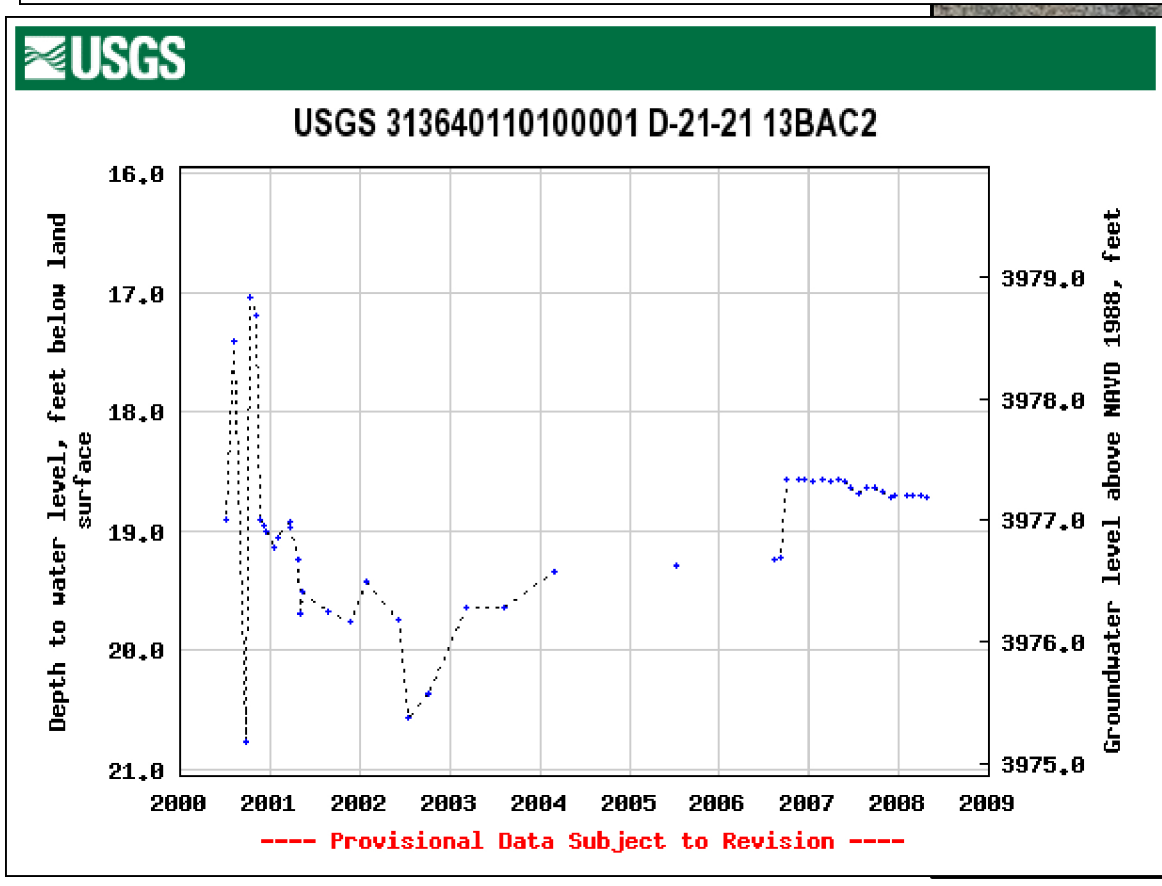

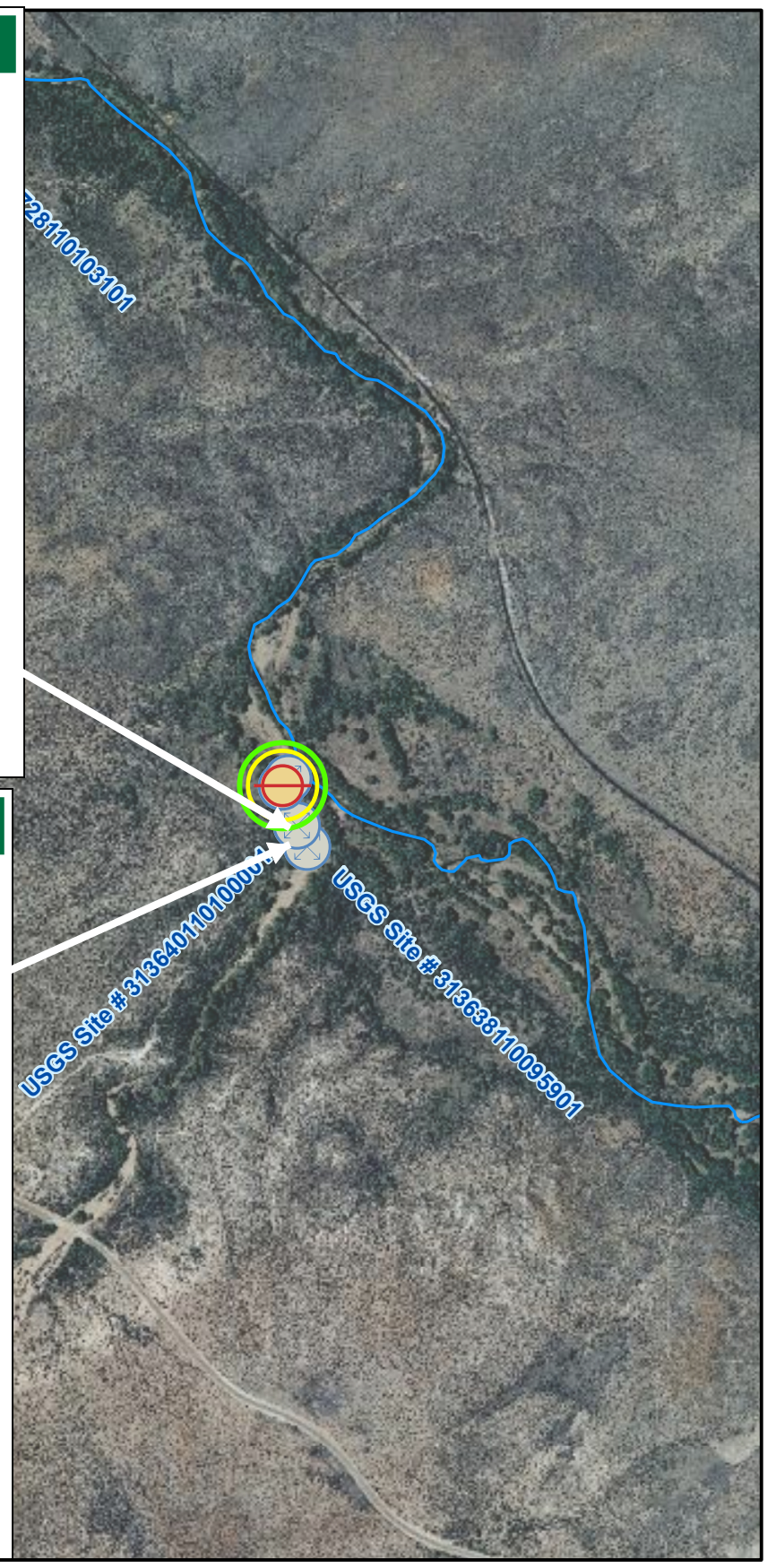

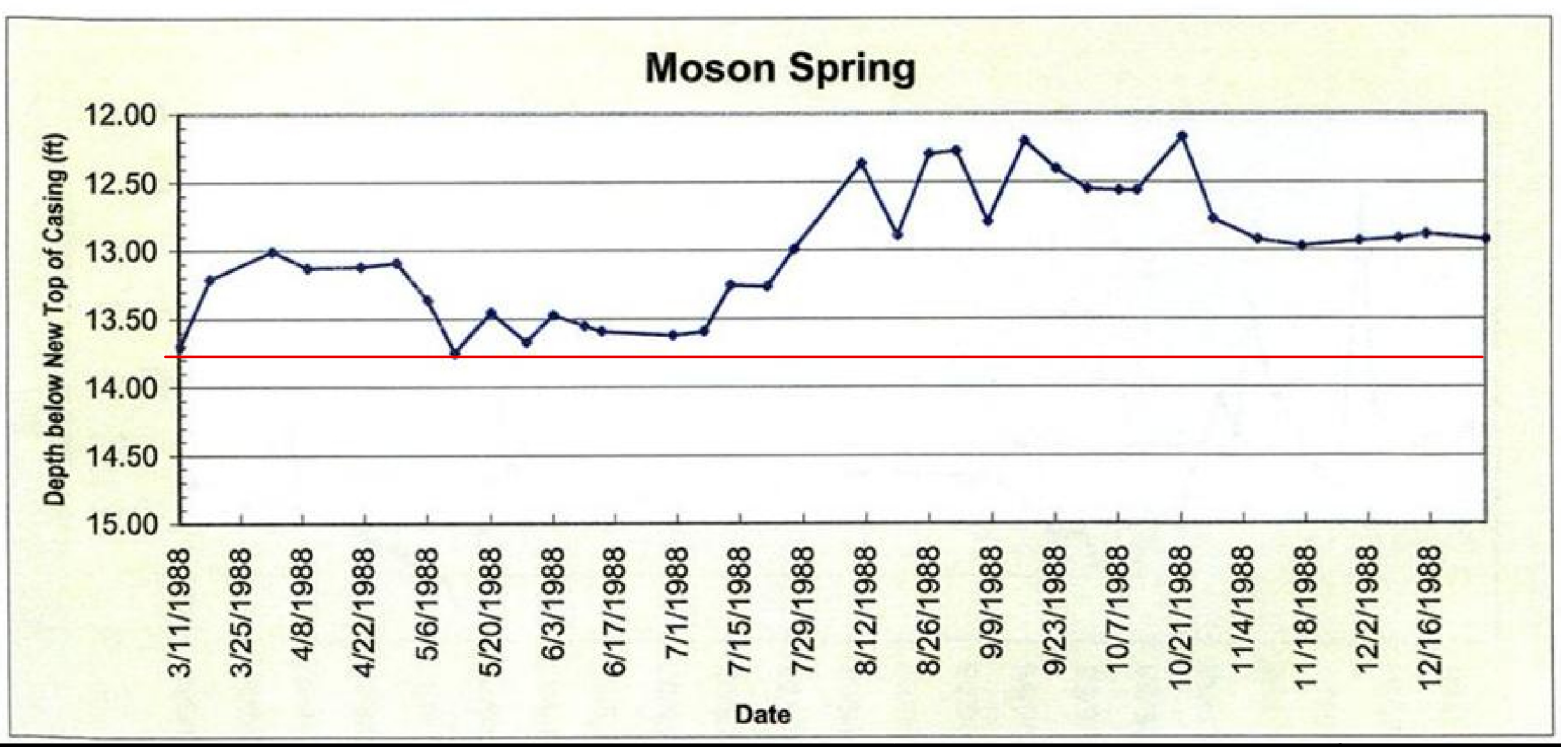

Reproduced from: "Claims for San Pedro River Ground Water" BLM (2006) Top of Casing: 3989.25 ft Claimed Water Level Elevation: 3975.5 NAD83/NAVD88

Legend

BLM Water Level Monitoring Wells

USGS Water Level Sites

SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

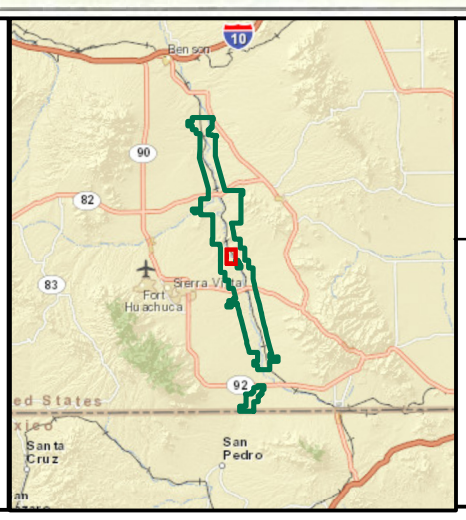

Figure 3-15: Wells in the Vicinity of Moson Spring Water Level Monitoring Well

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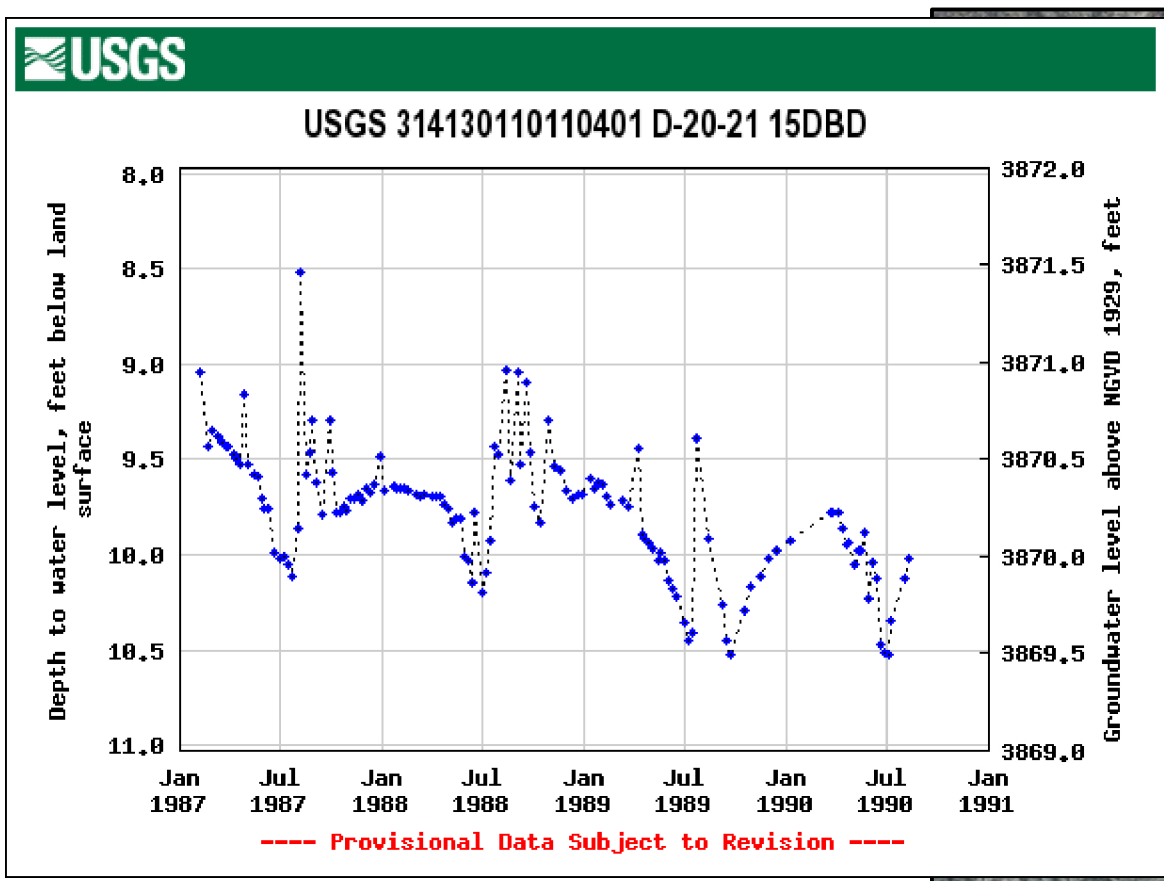

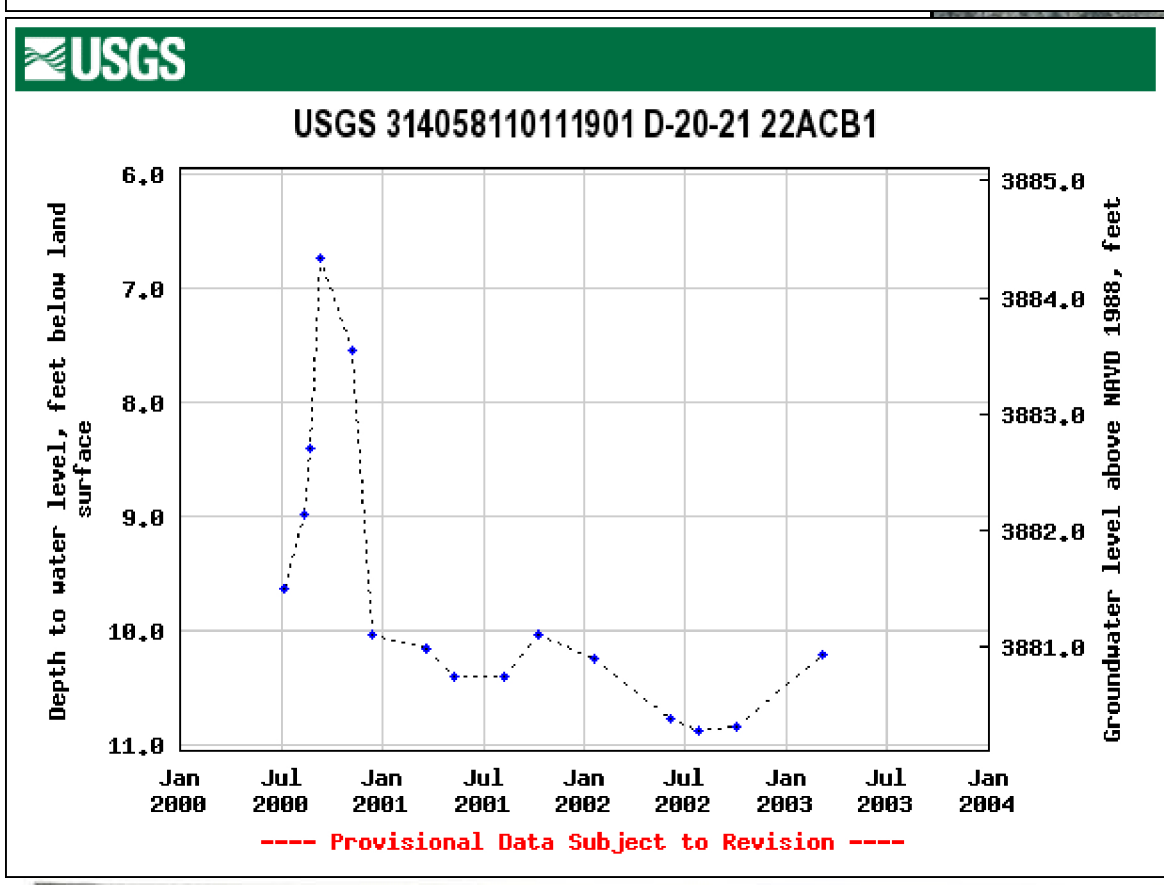

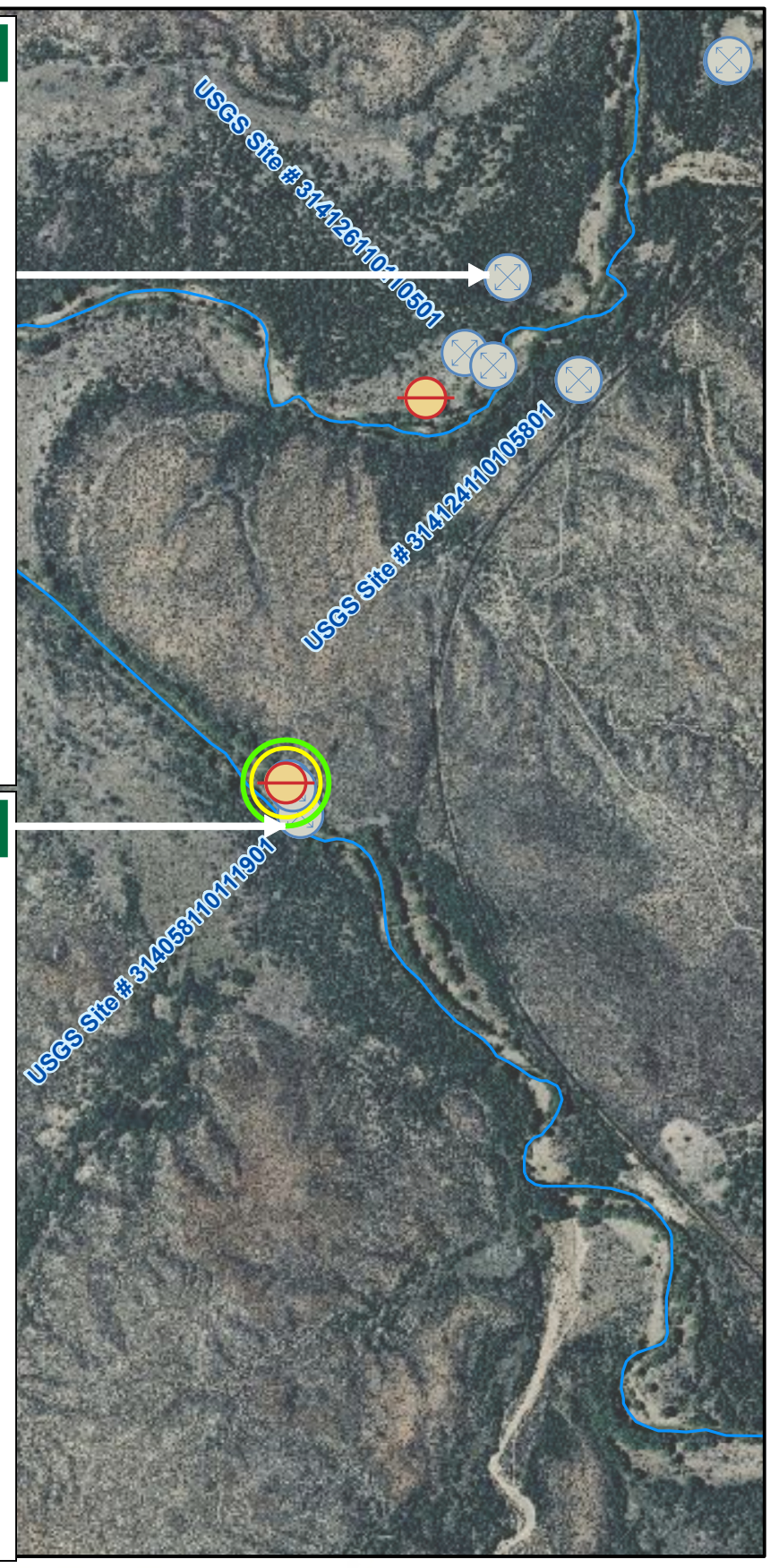

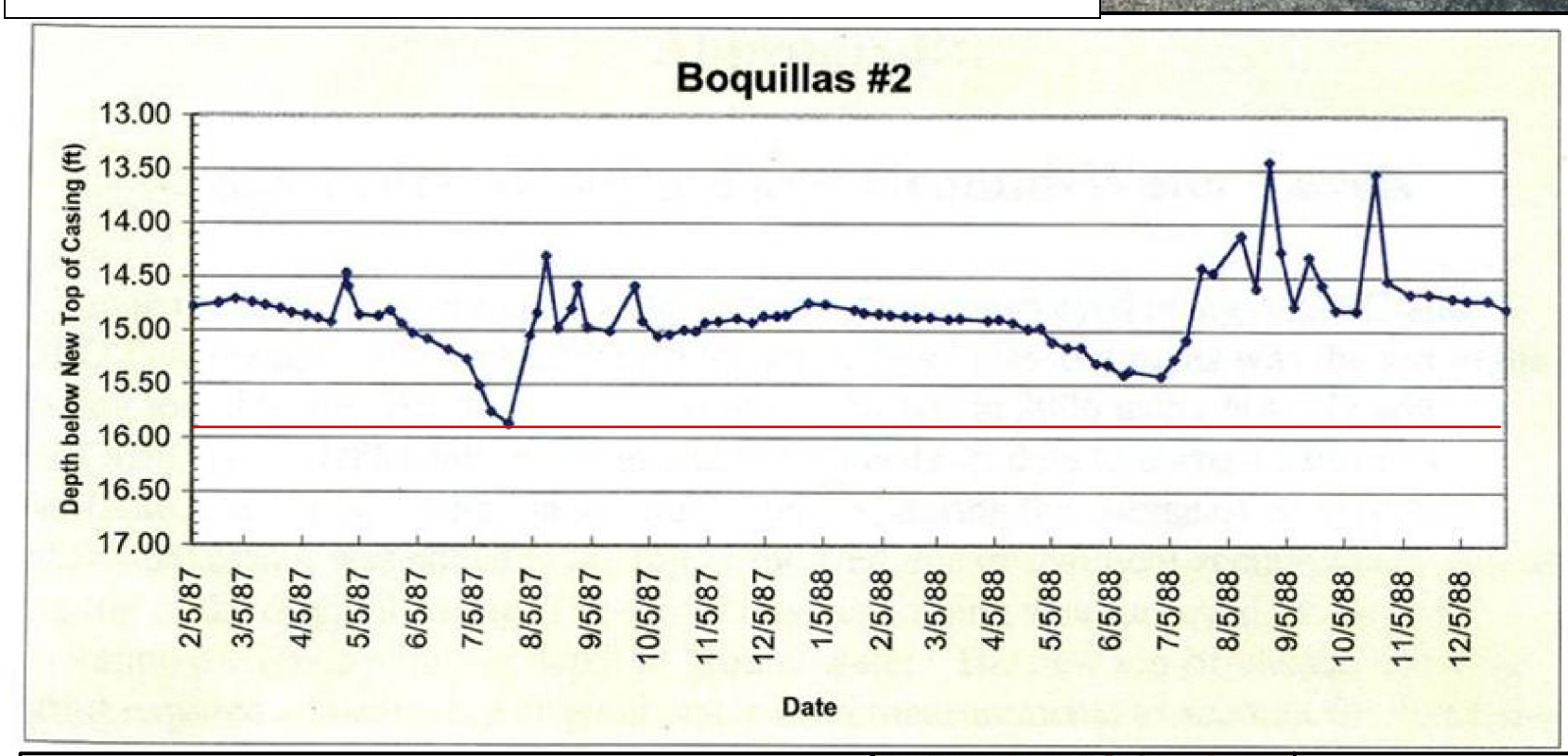

Reproduced from: "Claims for San Pedro River Ground Water" BLM (2006) Top of Casing: 3896.95 ft Claimed Water Level Elevation: 3881.05 NAD83/NAVD88

Legend

- BLM Water Level Monitoring Wells
- USGS Water Level Sites
- SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

Feet
0 250 500 1,000

N

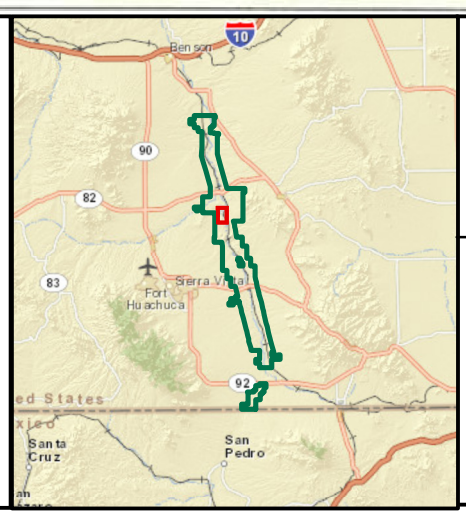

Figure 3-16: Wells in the Vicinity of Boquillas #2 Water Level Monitoring Well

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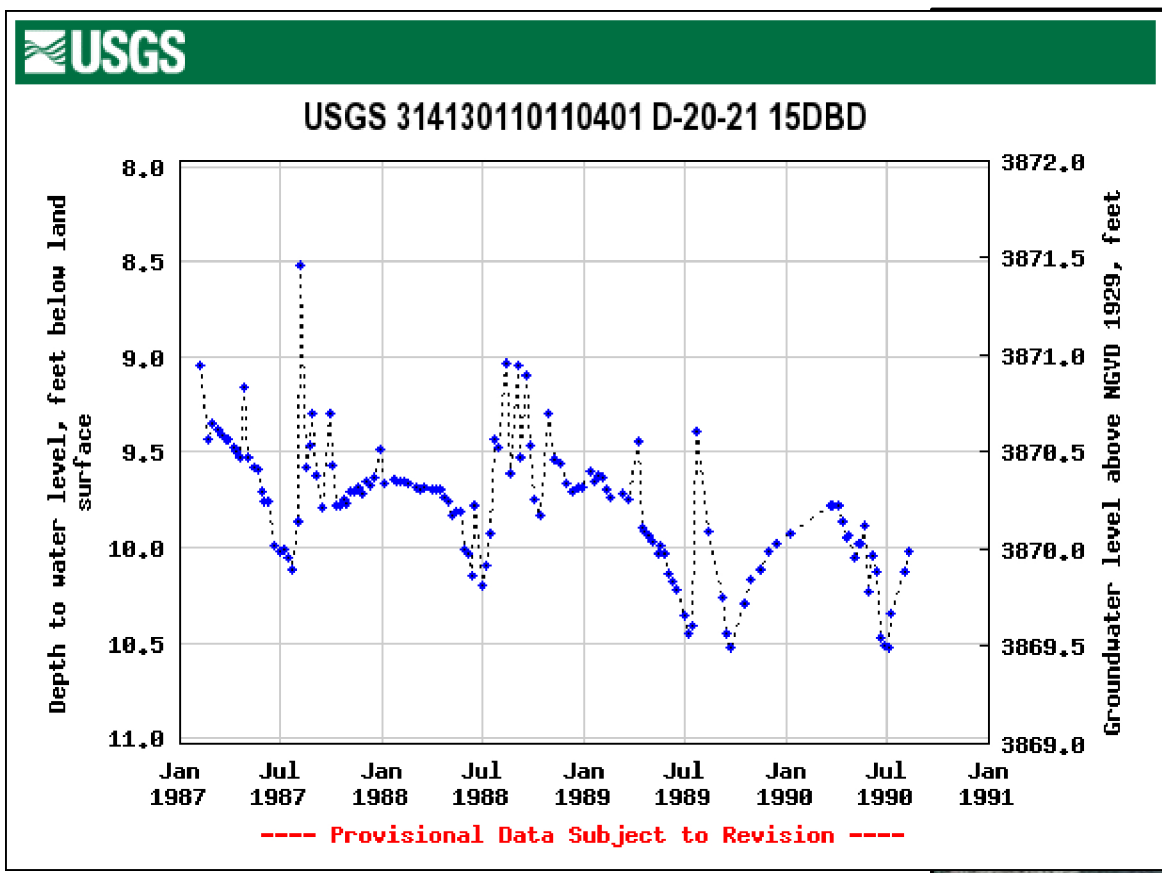

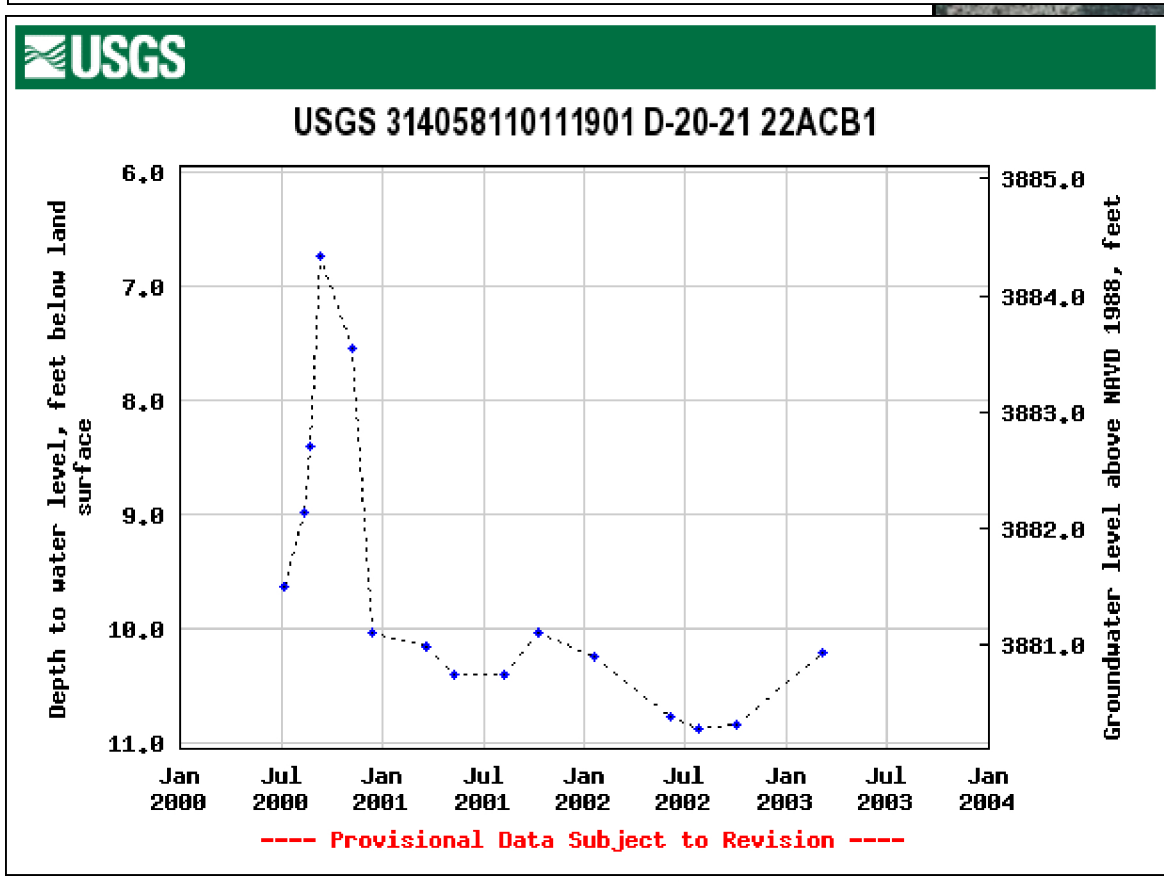

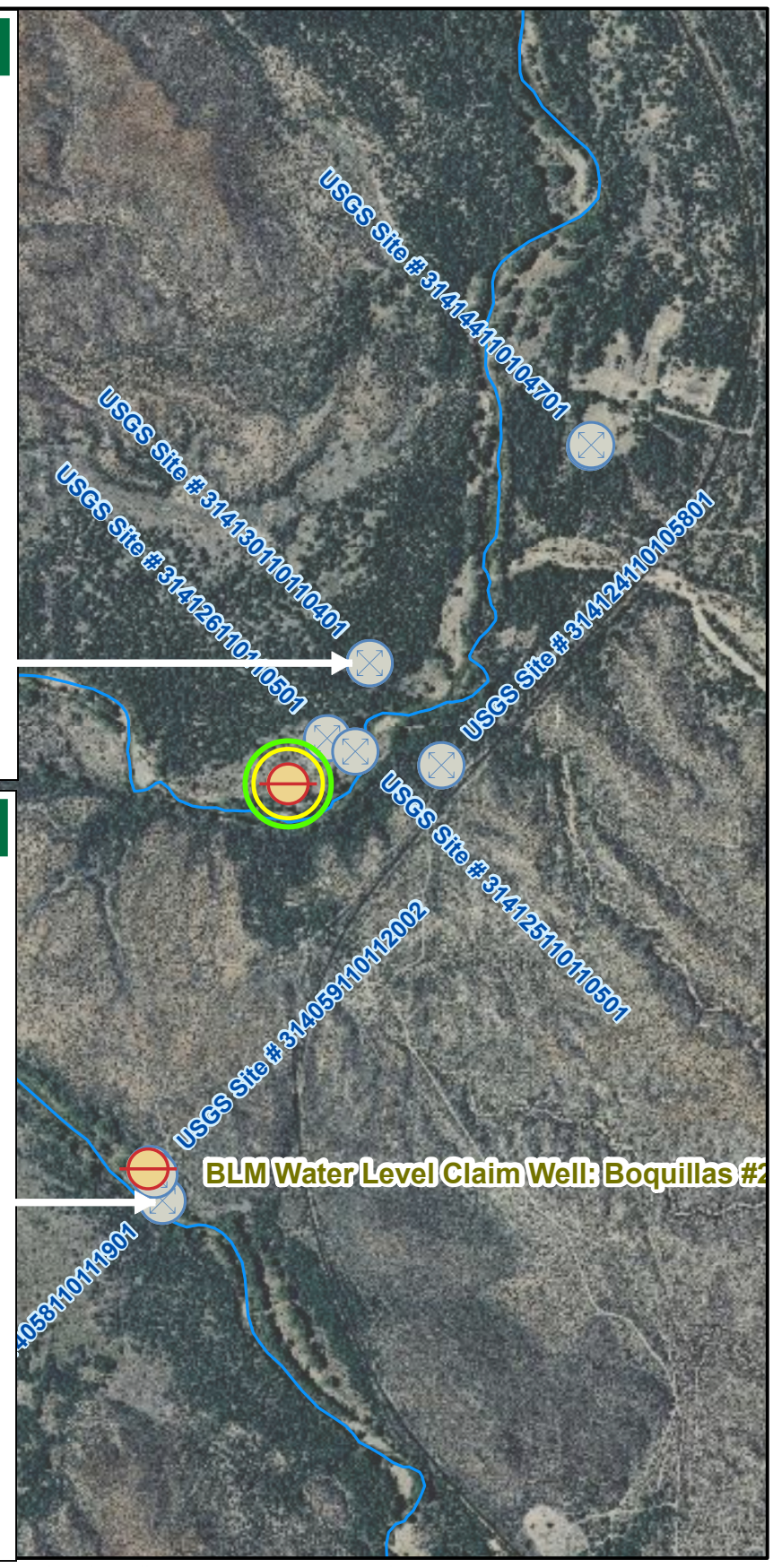

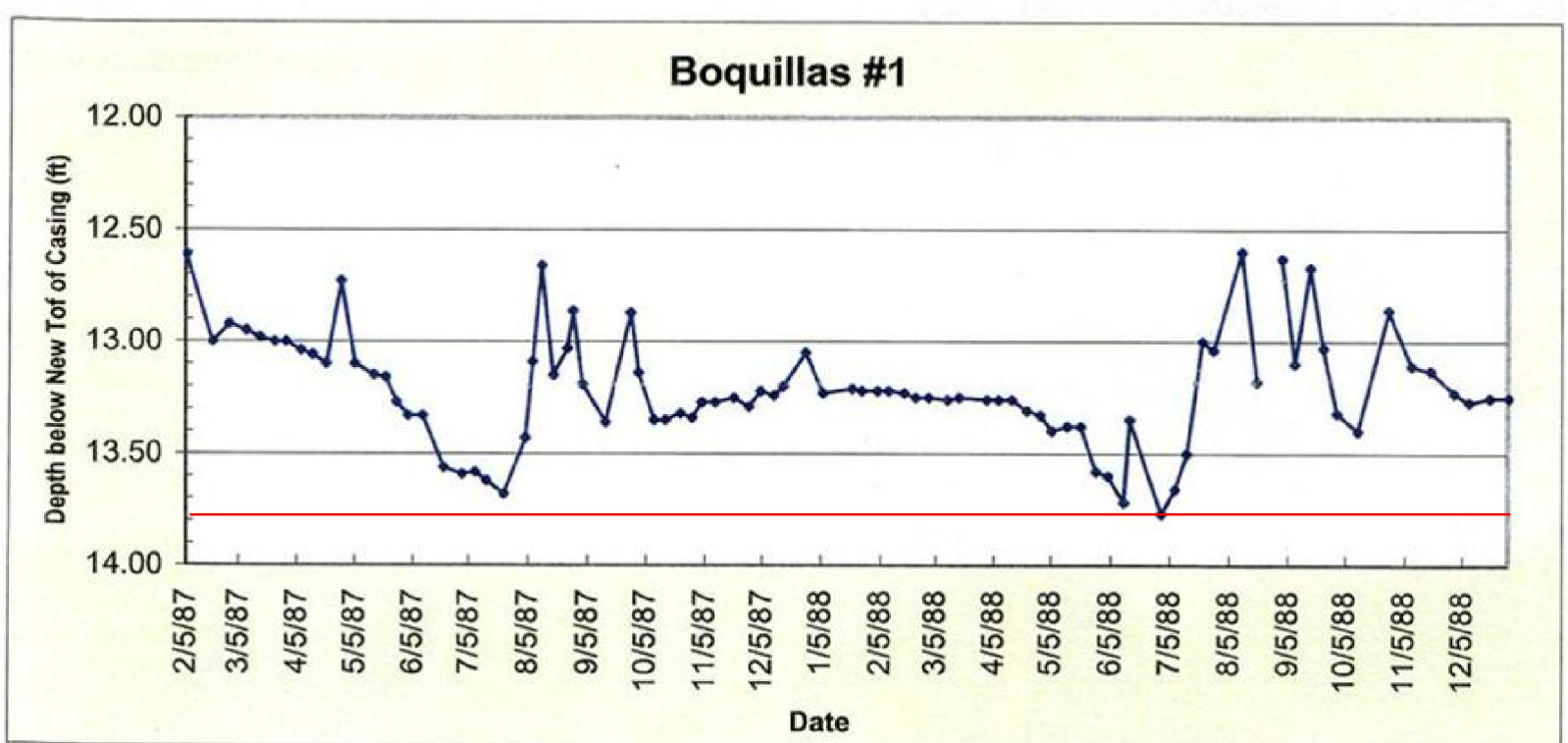

Reproduced from: "Claims for San Pedro River Ground Water" BLM (2006) Top of Casing: 3878.0 ft Clamimed Water Level Elevation: 3864.2 ft NAD83/NAVD88

Legend

- BLM Water Level Monitoring Wells
- USGS Water Level Sites
- SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

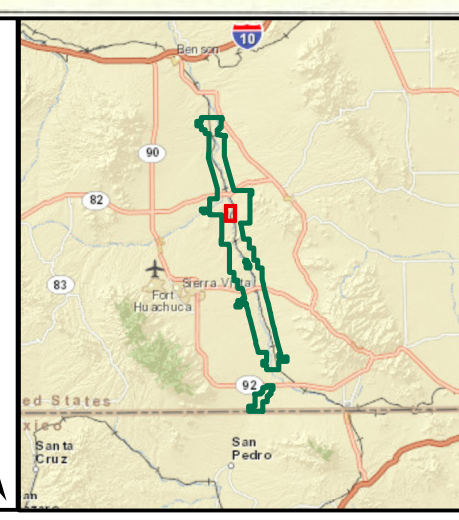

Figure 3-17: Wells in the Vicinity of Boquillas #1 Water Level Monitoring Well

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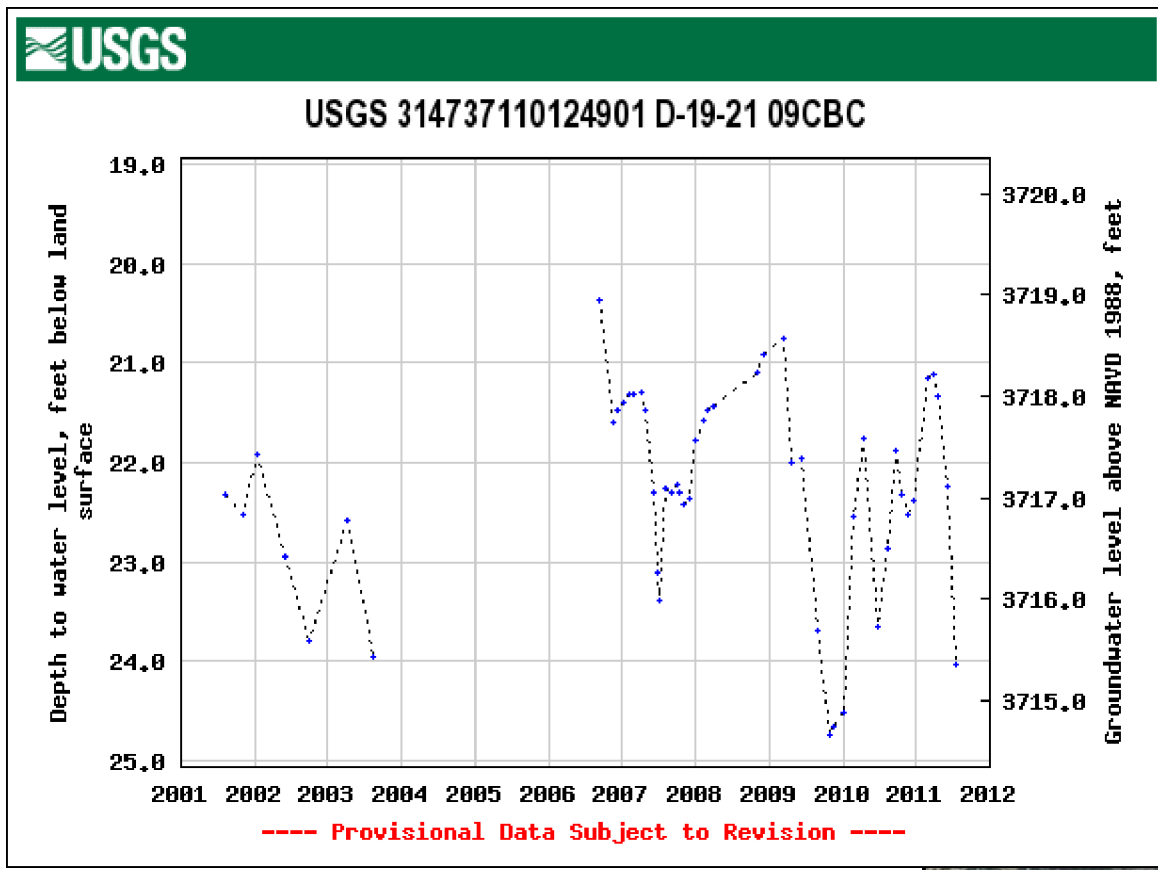

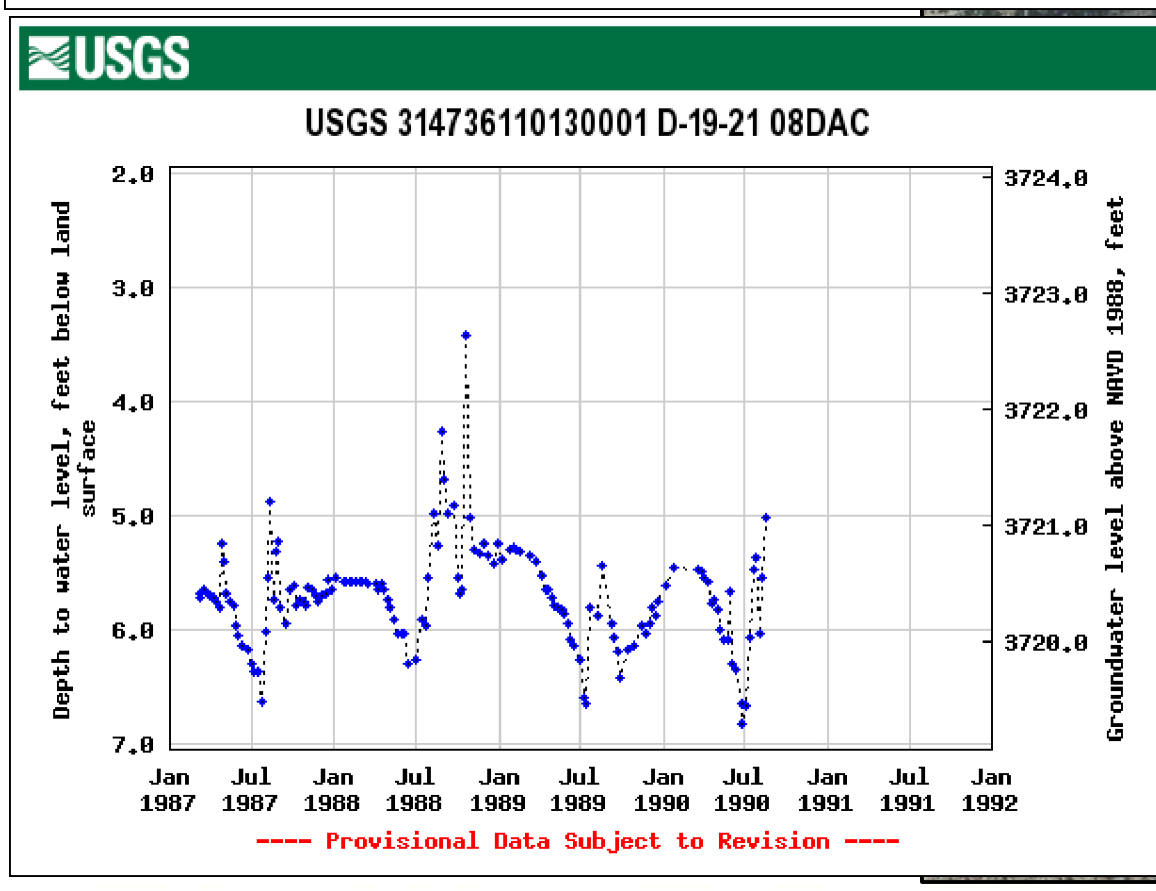

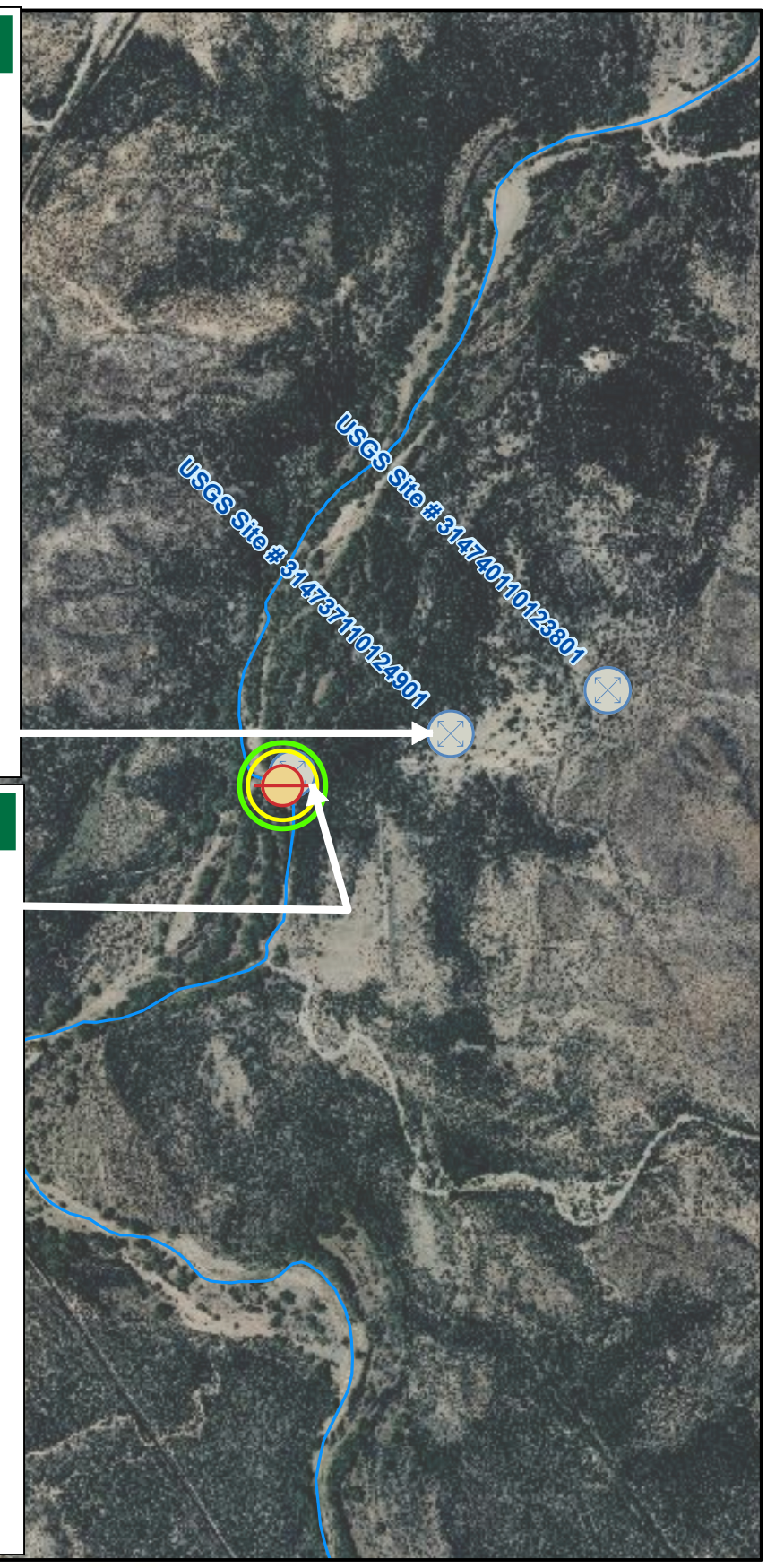

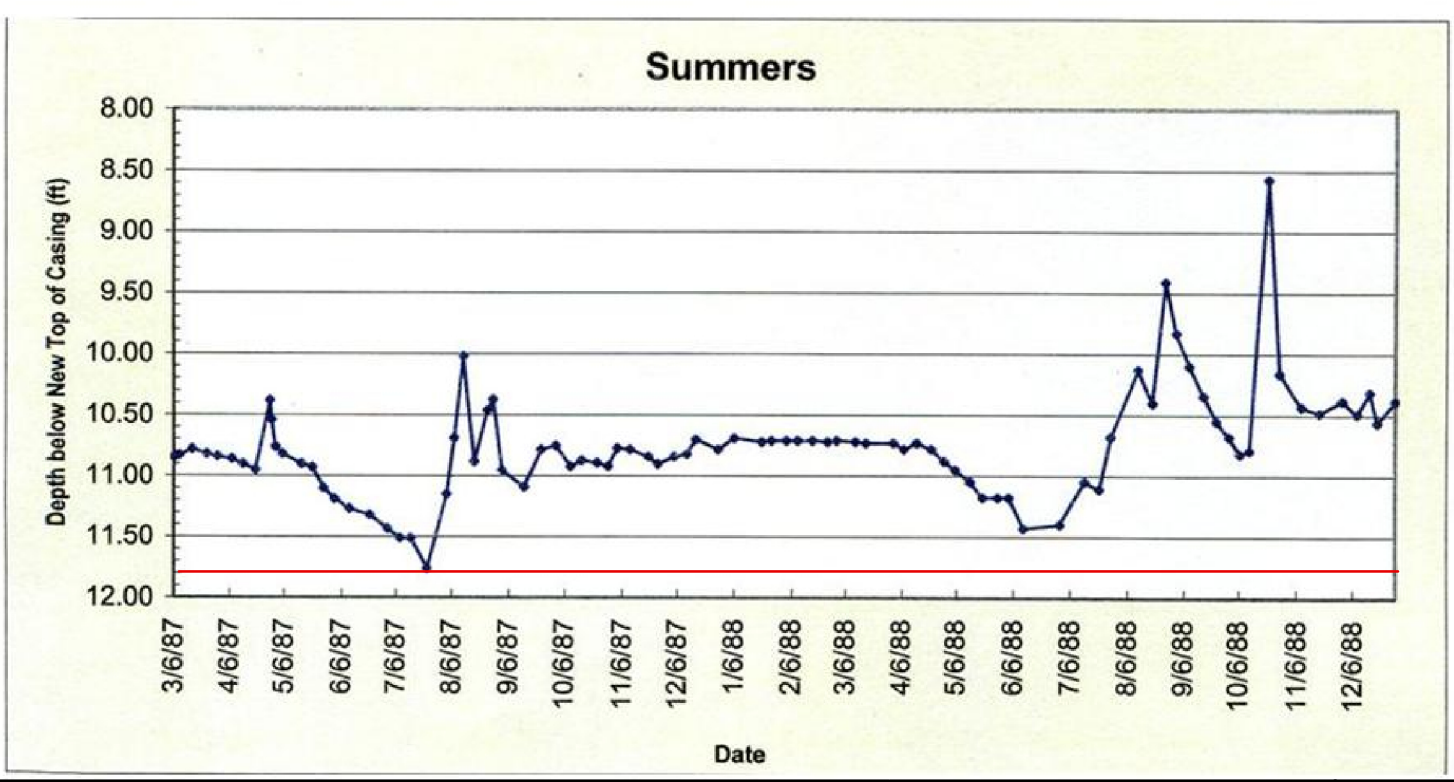

Reproduced from:
"Claims for
San Pedro River
Ground Water"
BLM (2006)
Top of Casing:
3731.07 ft
Claimed Water Level
Elevation:
3719.3 ft
NAD83/NAVD88

Legend

BLM Water Level Monitoring Wells

USGS Water Level Sites

SPRNCA Boundary

Basemap:NAIP 2010 Aerial Imagery

0 250 500 1,000 Feet

N

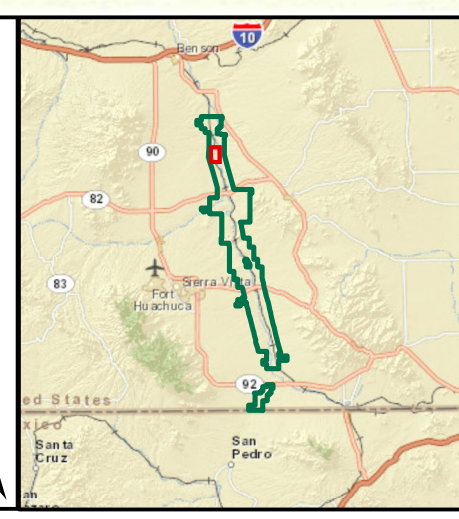

Figure 3-18: Wells in the Vicinity of Summers Water Level Monitoring Well

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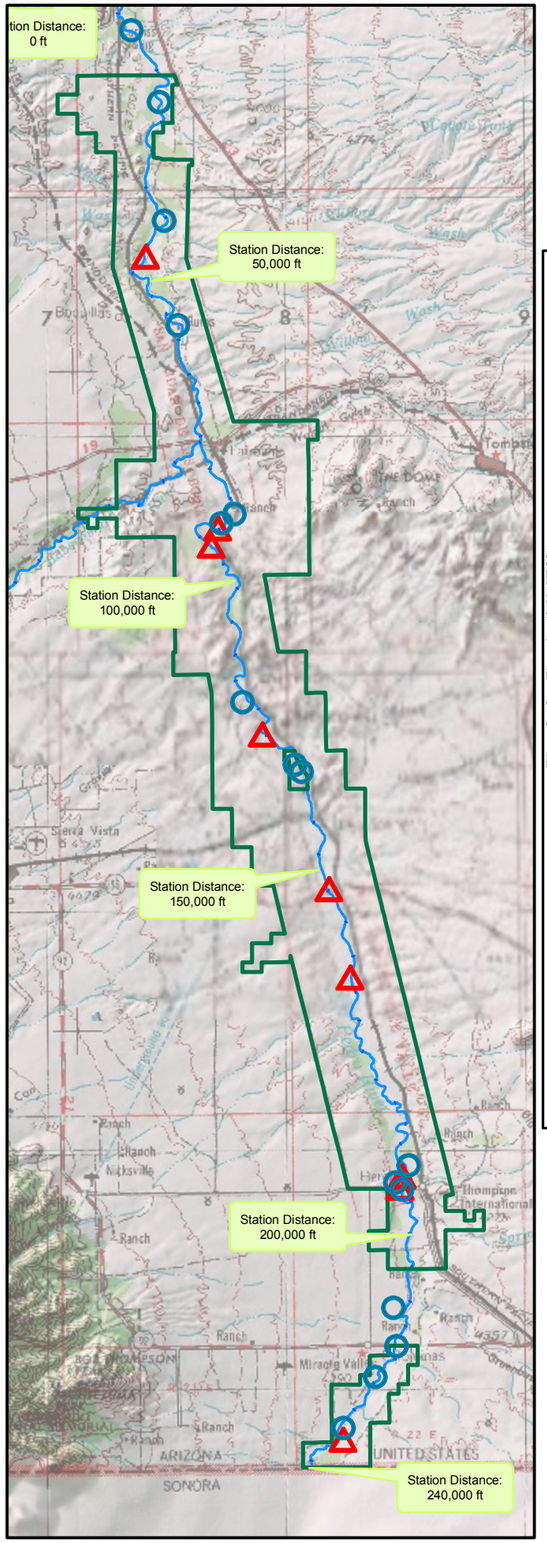

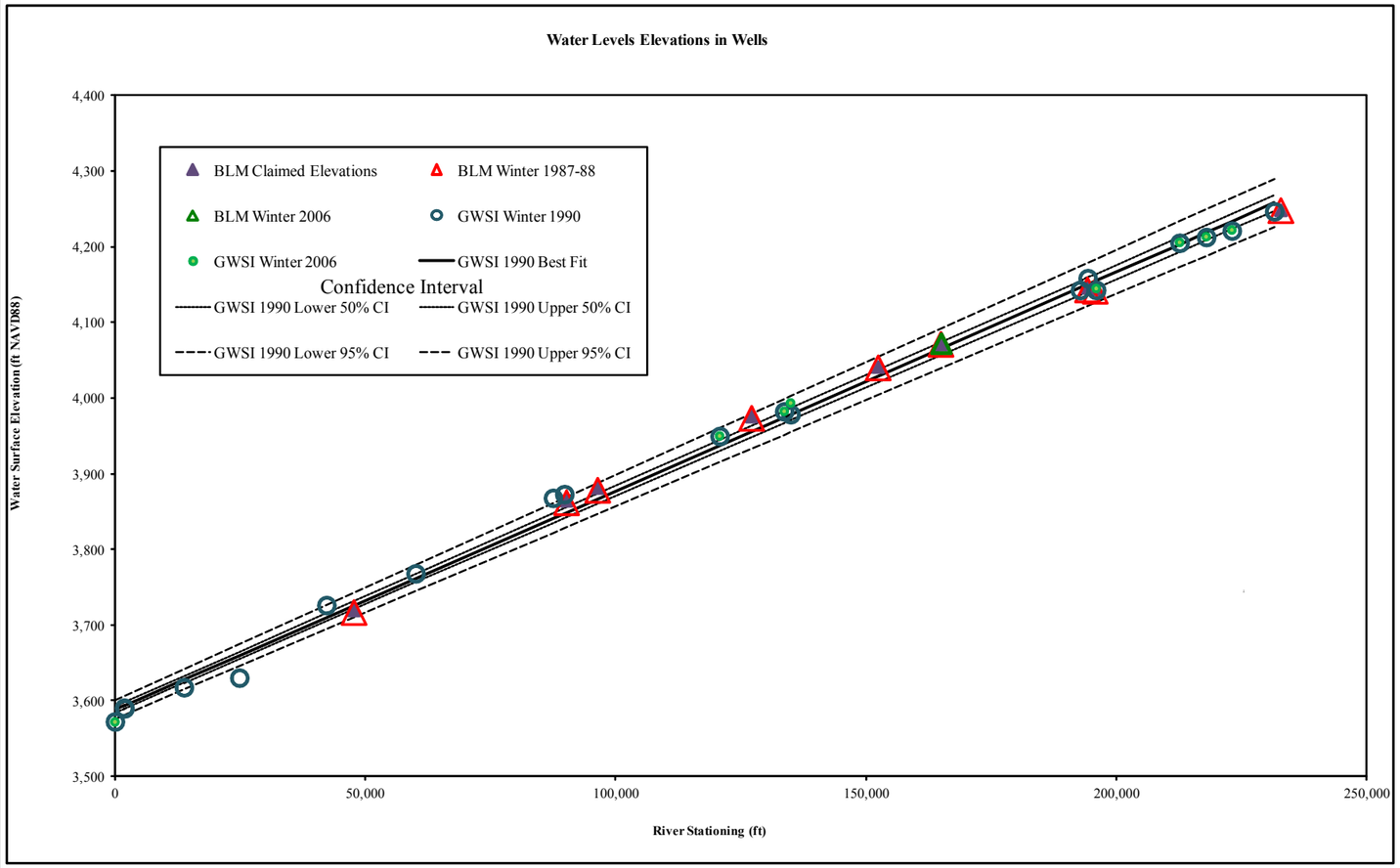

N

0 1 2 4 Miles

Figure 3-19: Comparisons of Water Levels at BLM Monitoring Wells with GWSI Wells within SPRNCA

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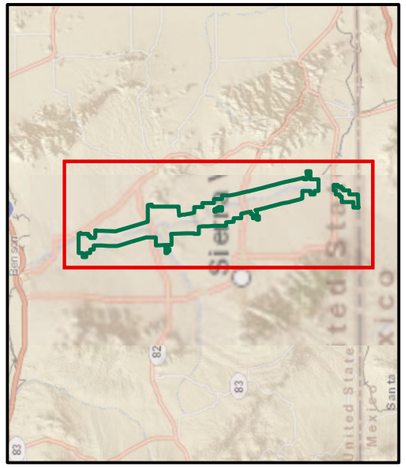
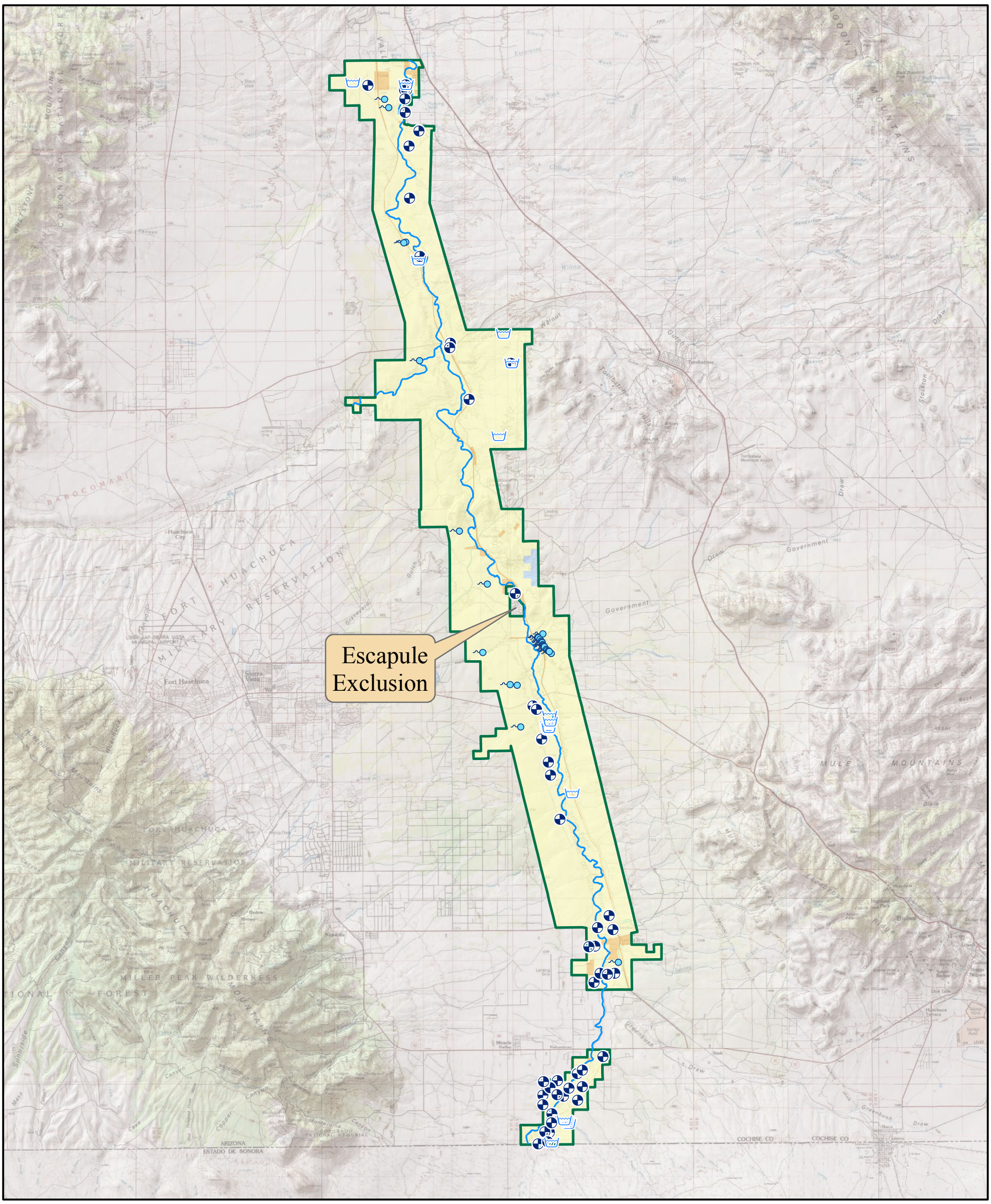


Legend

- BLM Water Level Site
- GWSI Water Level Site
- BLM Final SPRNCA boundary

Basemap: USGS 1:250,000 Topo with Shaded Relief



Legend

Point Source Claim Type

- Wells
- Springs
- Ponds
- SPRNCA Boundary

SPRNCA Parcel Ownership

- BLM
- CITY
- COUNTY
- PRIVATE
- STATE

0 1 2 4 Miles

N

Basemap: USGS 1:250,000 Topo with Shaded Relief

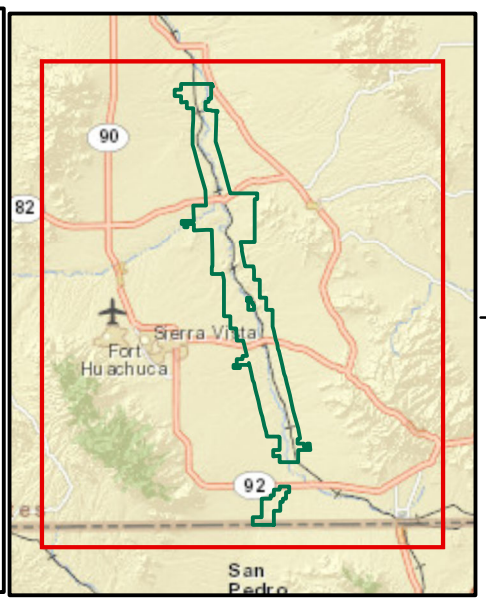


Figure 3-20: SPRNCA Point Source Claims

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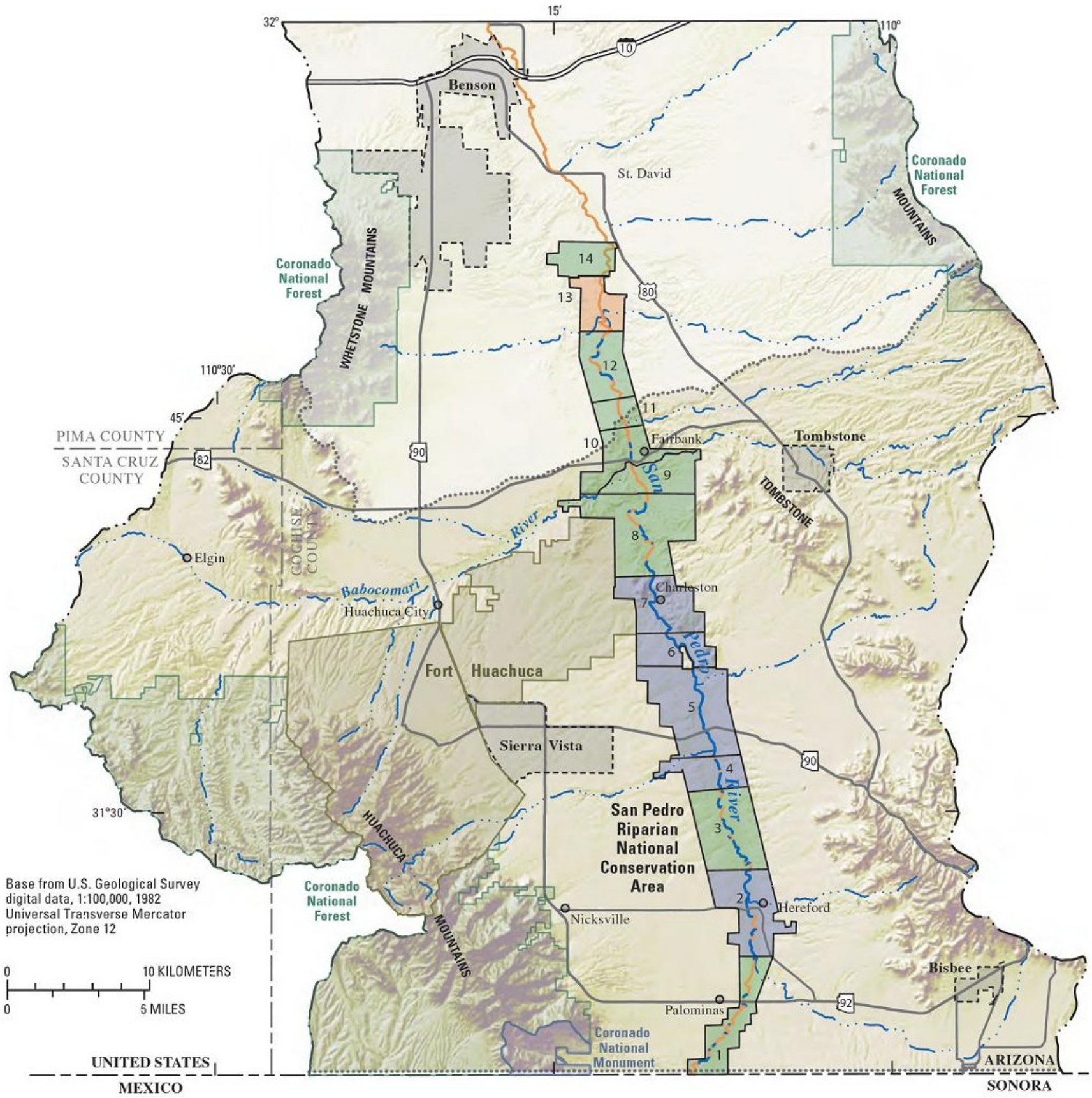

Figure 42. Riparian ecological condition classes for 14 reaches and streamflow presence for June 2002 within the San Pedro Riparian National Conservation Area, Upper San Pedro Basin, Arizona.

Figure 3-21: Riparian Ecological Condition Classes for 14 Reaches and Streamflow Presence for June 2002 within San Pedro Riparian National Conservation Area, Upper San Pedro River Basin, Arizona,

(Reproduced from Figure 42 of USGS SIR 2005-5163, 2006)

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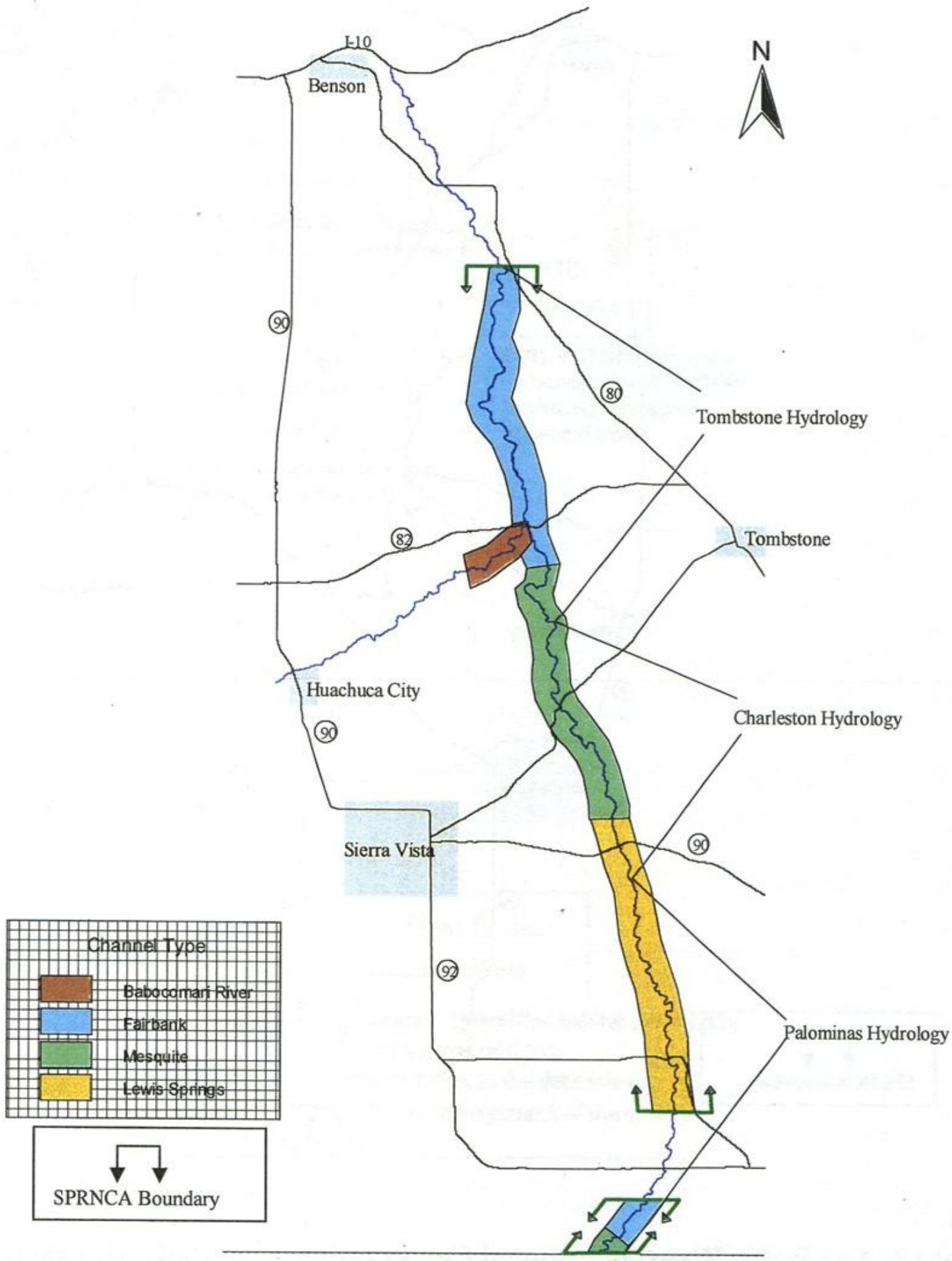

Figure 3. Depiction of channel types and locations of channel types in the study area.

Figure 3-22: Depiction of Channel Types and Location of Channel Types in the Study Area
(Reproduced from Figure 3 of Miller, et. al, 2006)

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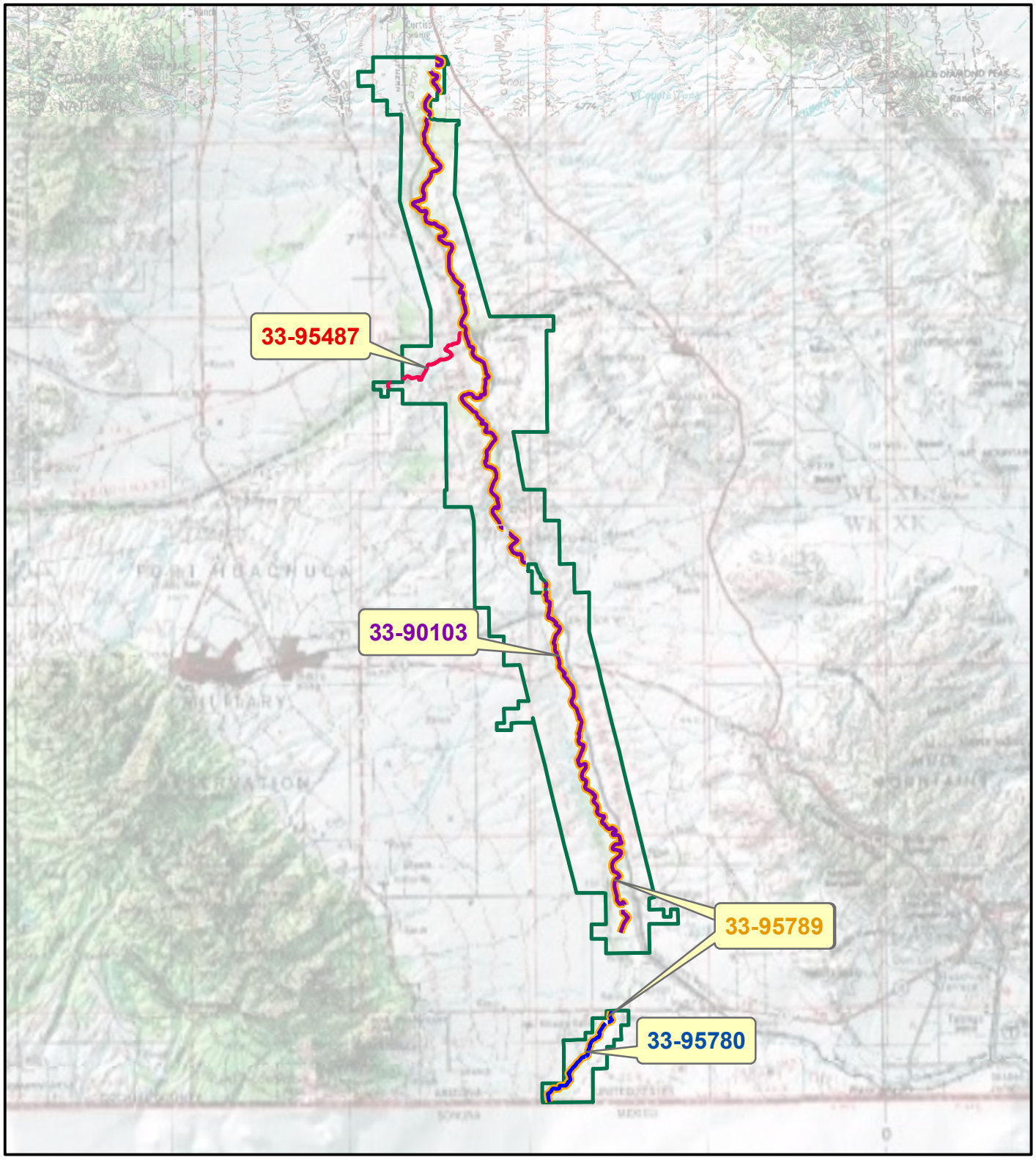

Legend

Instream Flow Filings

Application Number

- 33-90103
- 33-95487
- 33-95780
- 33-95789
- SPRNCA Boundary

0 1 2 4 Miles

N

Basemap: USGS 1:250,000 Topo with Shaded Relief

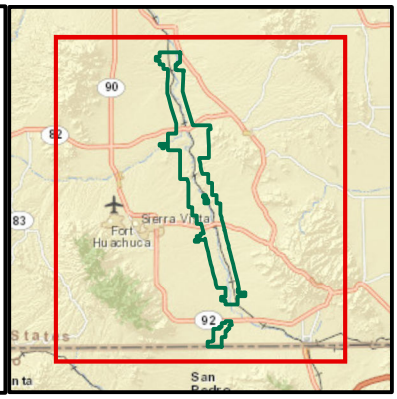

Figure 4-1: Instream Flow Filings for SPRNCA

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