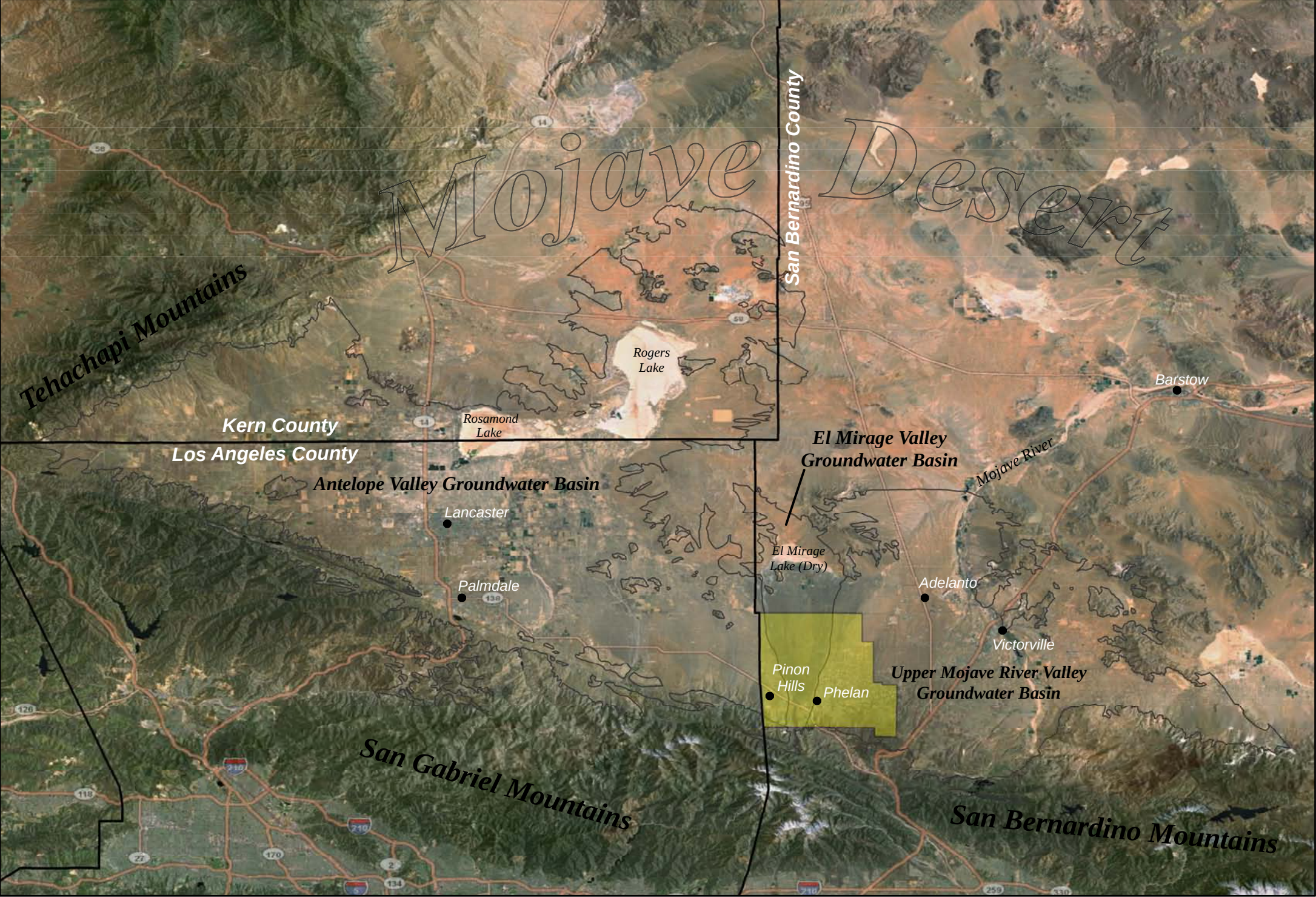


EXHIBIT "C - PART 2"

Exhibits



Historical Groundwater
Production by the Phelan
Pinon Hills CSD
Antelope Valley Area of Adjudication

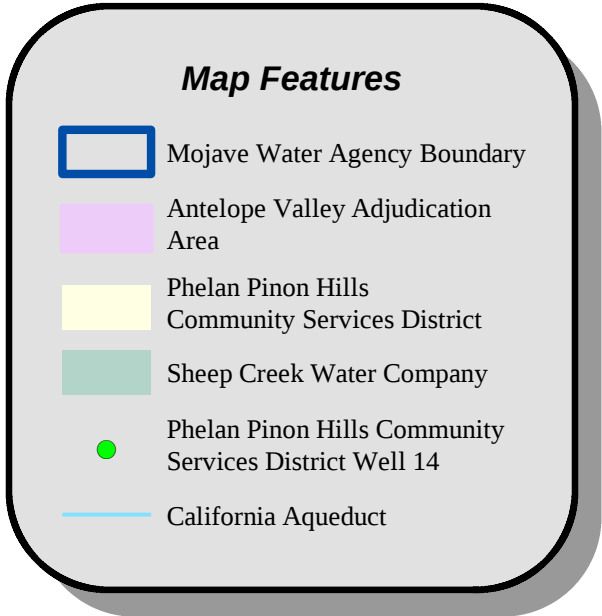
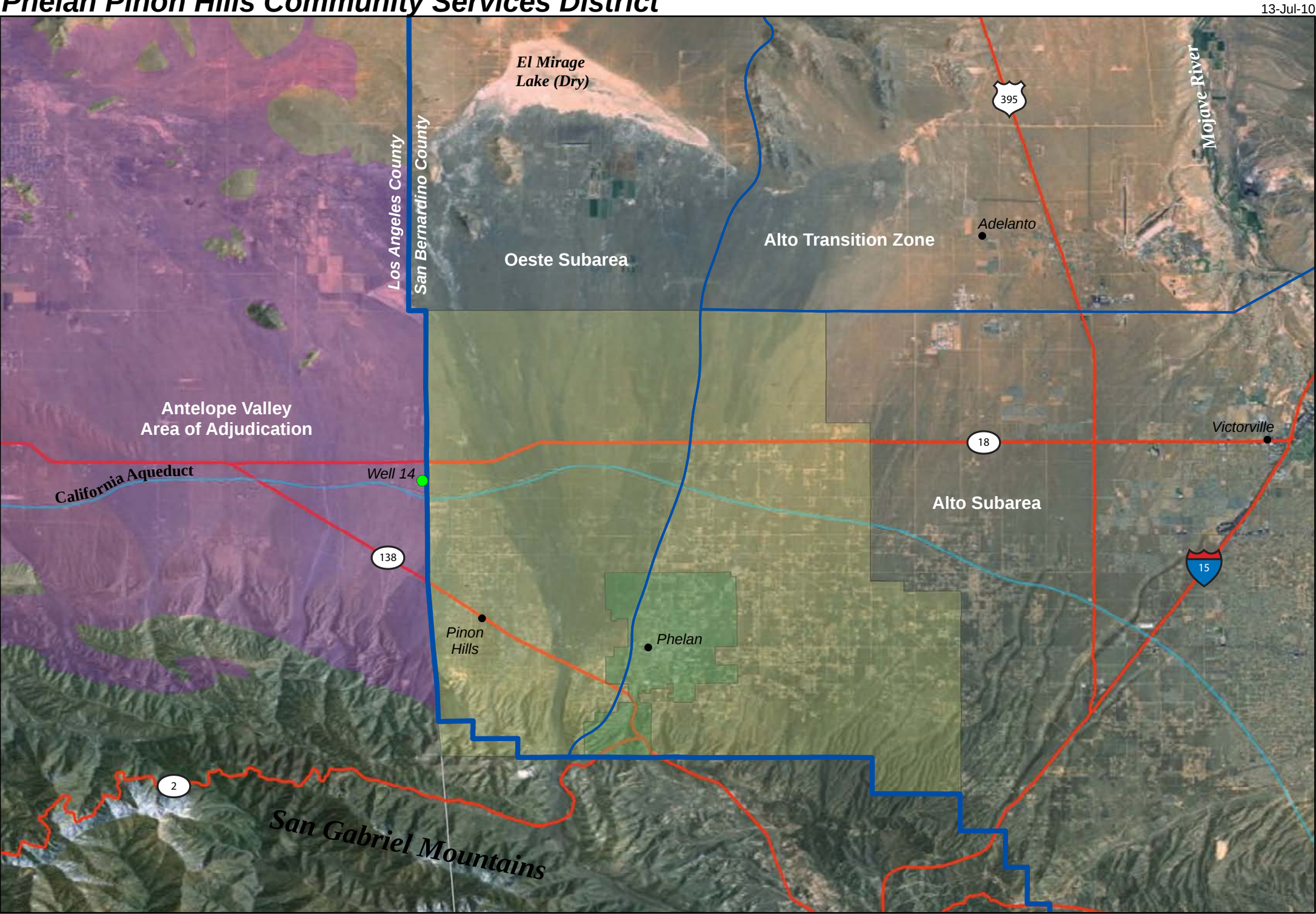


Map Features

- County Boundaries
- Phelan Pinon Hills Community Services District
- Groundwater Basins

Basemap Source: www.esri.com



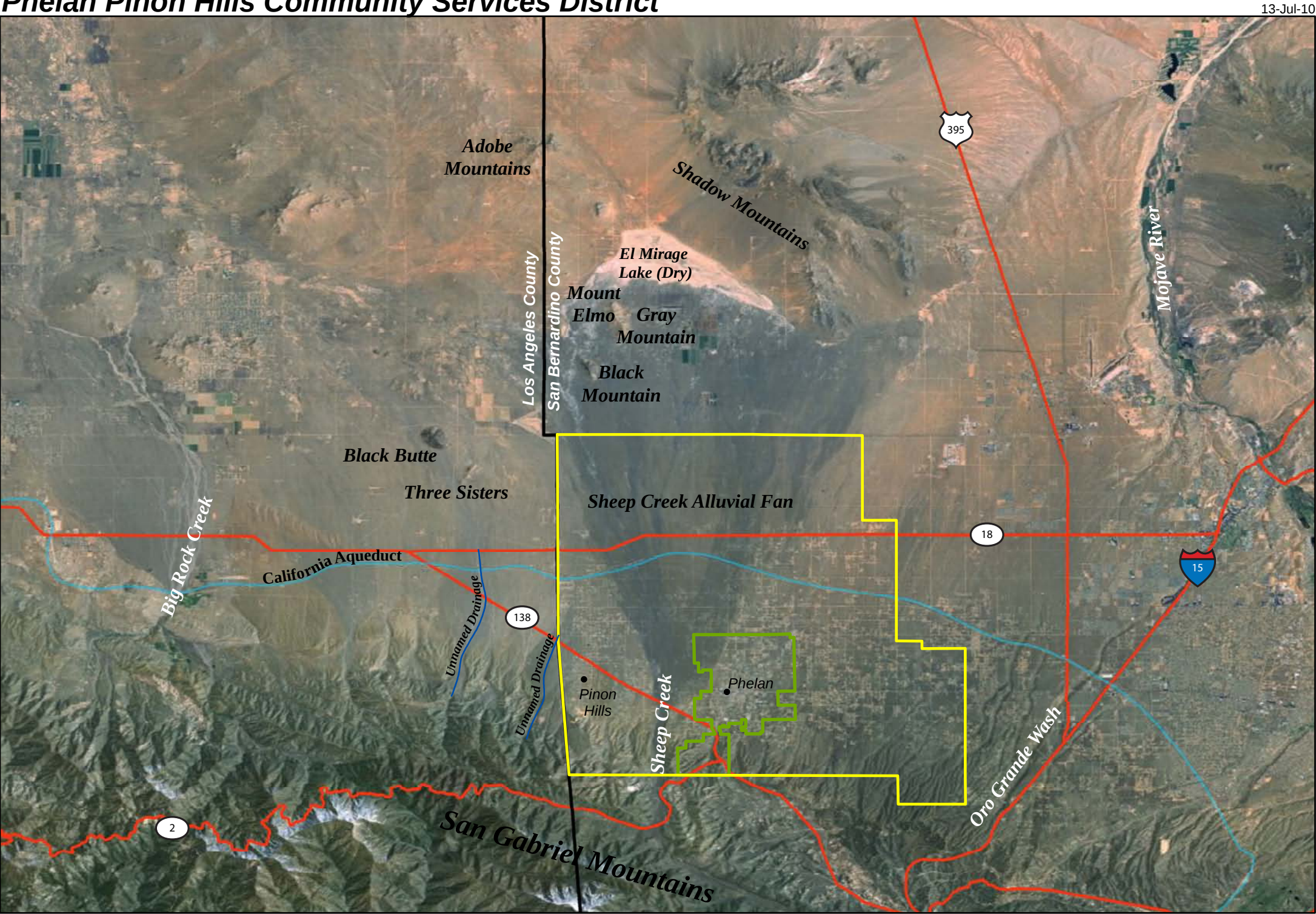


Basemap Source: www.esri.com

0 1.5 3 6 Miles

NAD 83 UTM Zone 11
Central Meridian: -117





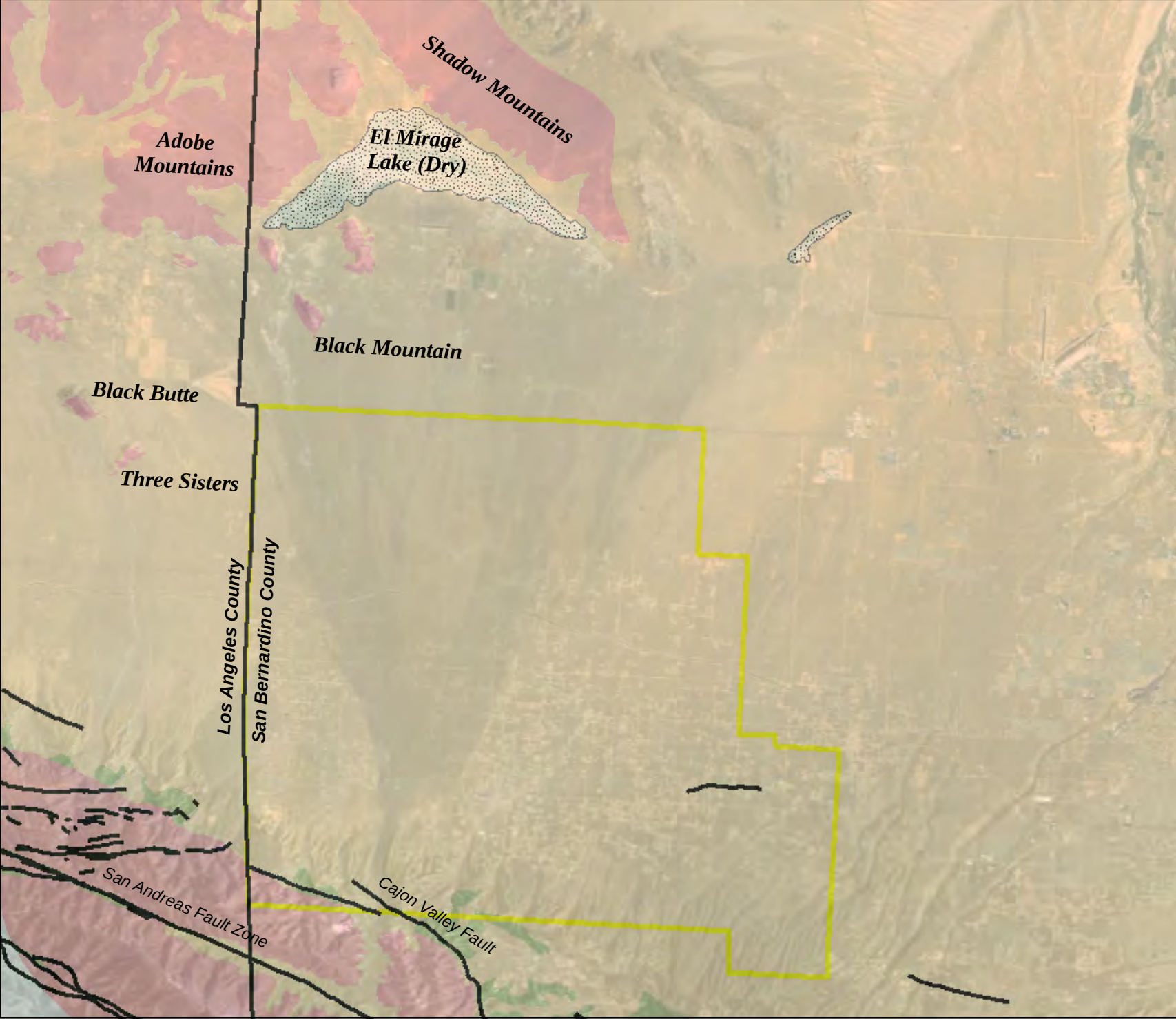
- Map Features**
- Phelan Pinon Hills Community Services District Boundary
 - Sheep Creek Water Company
 - California Aqueduct
 - Unnamed Drainages

Basemap Source: www.esri.com

0 2.5 5 10 Miles

NAD 83 UTM Zone 11
Central Meridian: -117

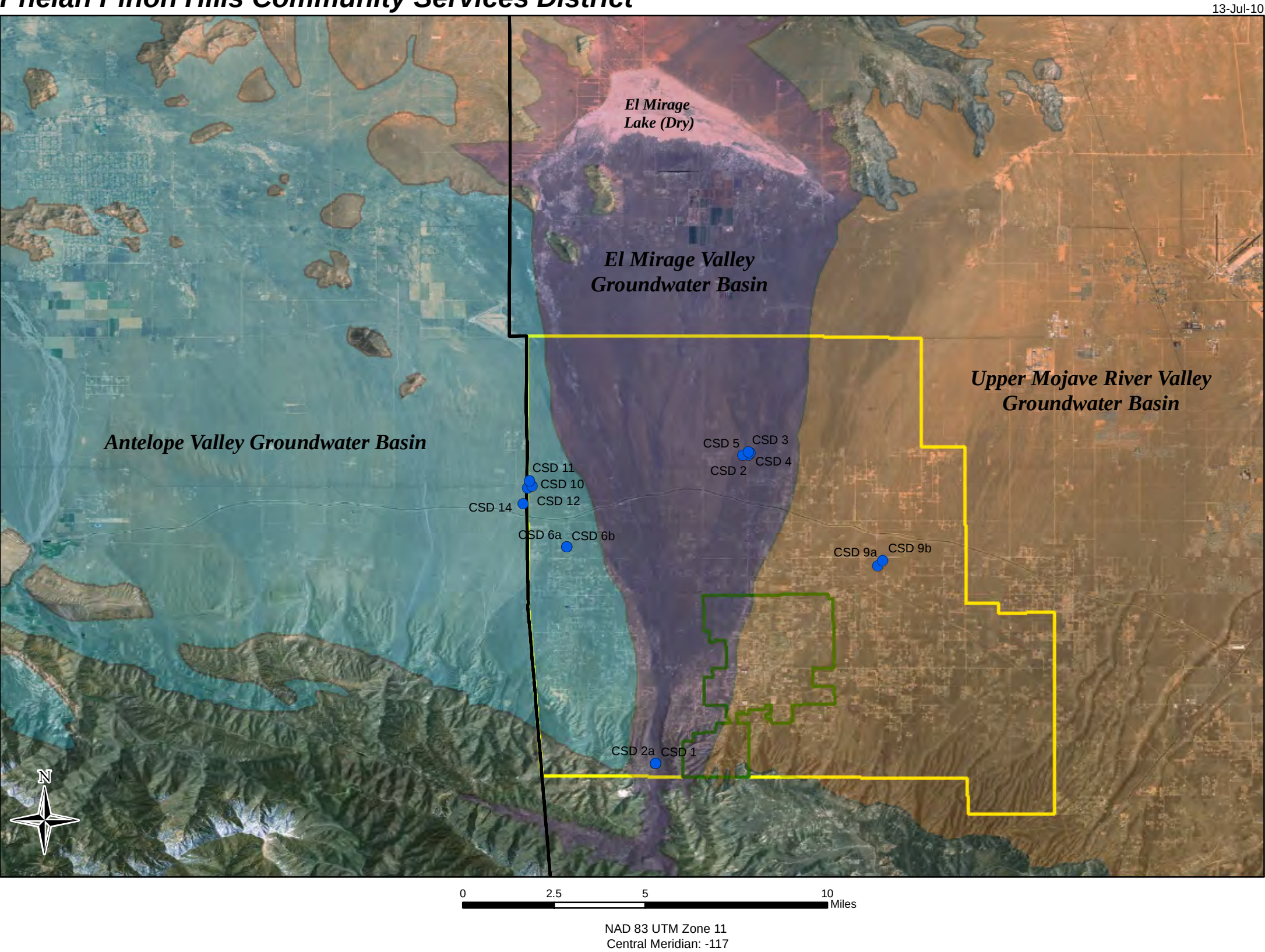




- Map Features**
- Playa Deposits
 - Alluvium (undifferentiated)
 - Tertiary Sedimentary Rocks
 - Pre-Tertiary Granitic and Metamorphic Rocks
 - Fault
 - County Boundary
 - Phelan Pinon Hills Community Services District Boundary

Basemap Source: www.esri.com

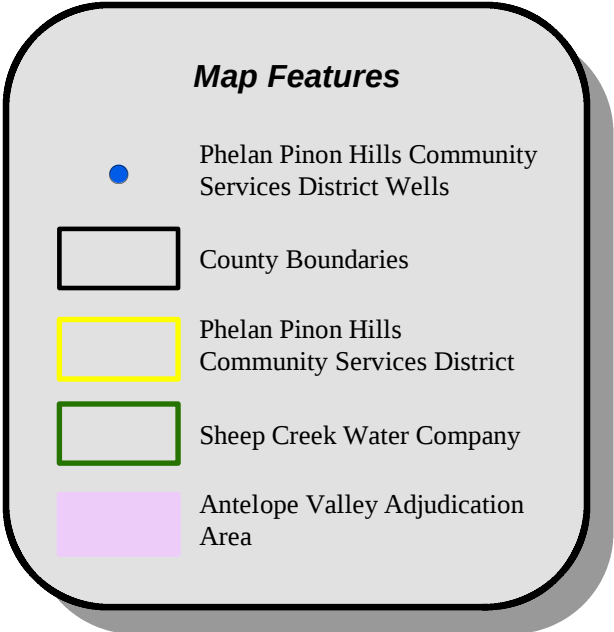
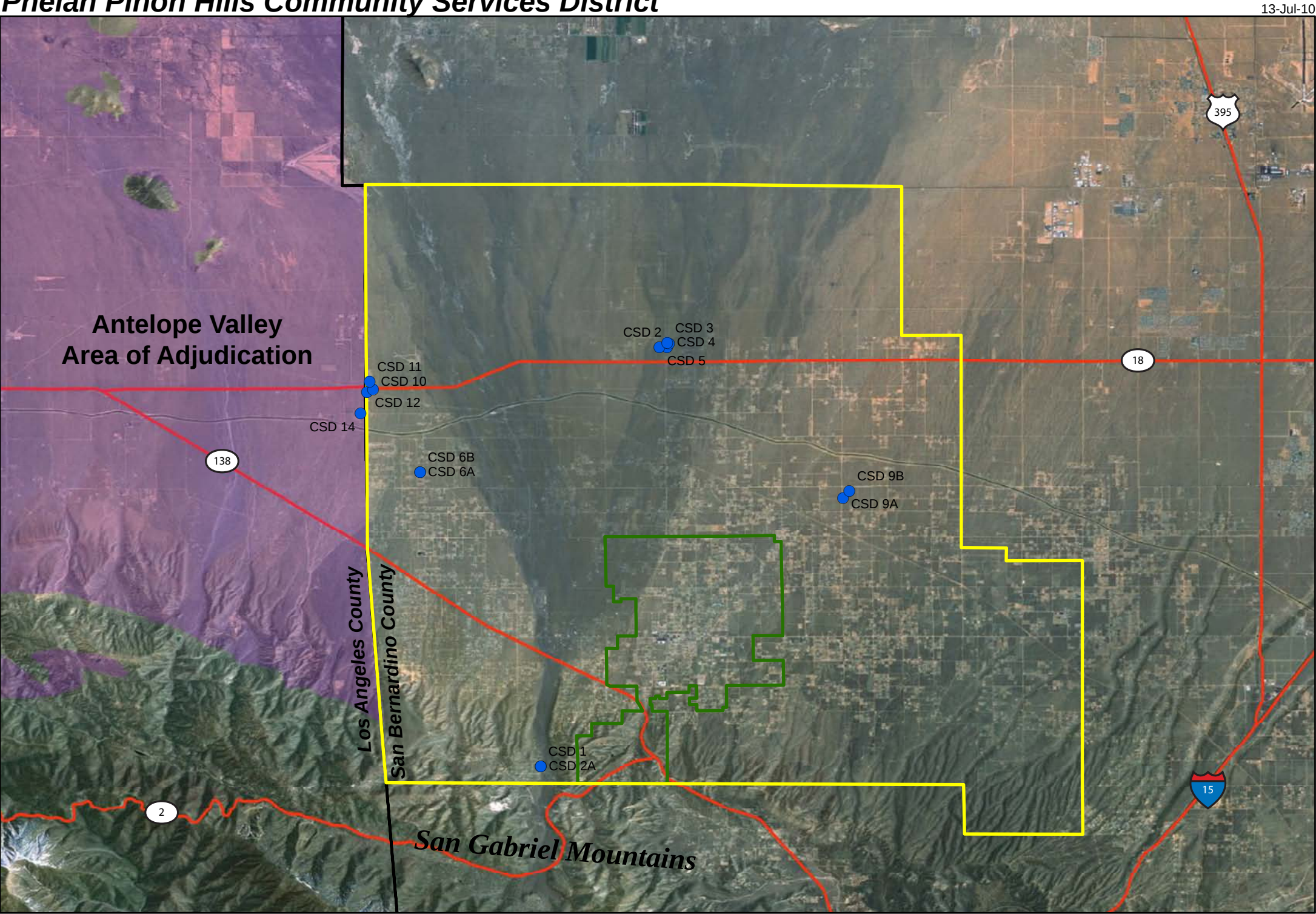
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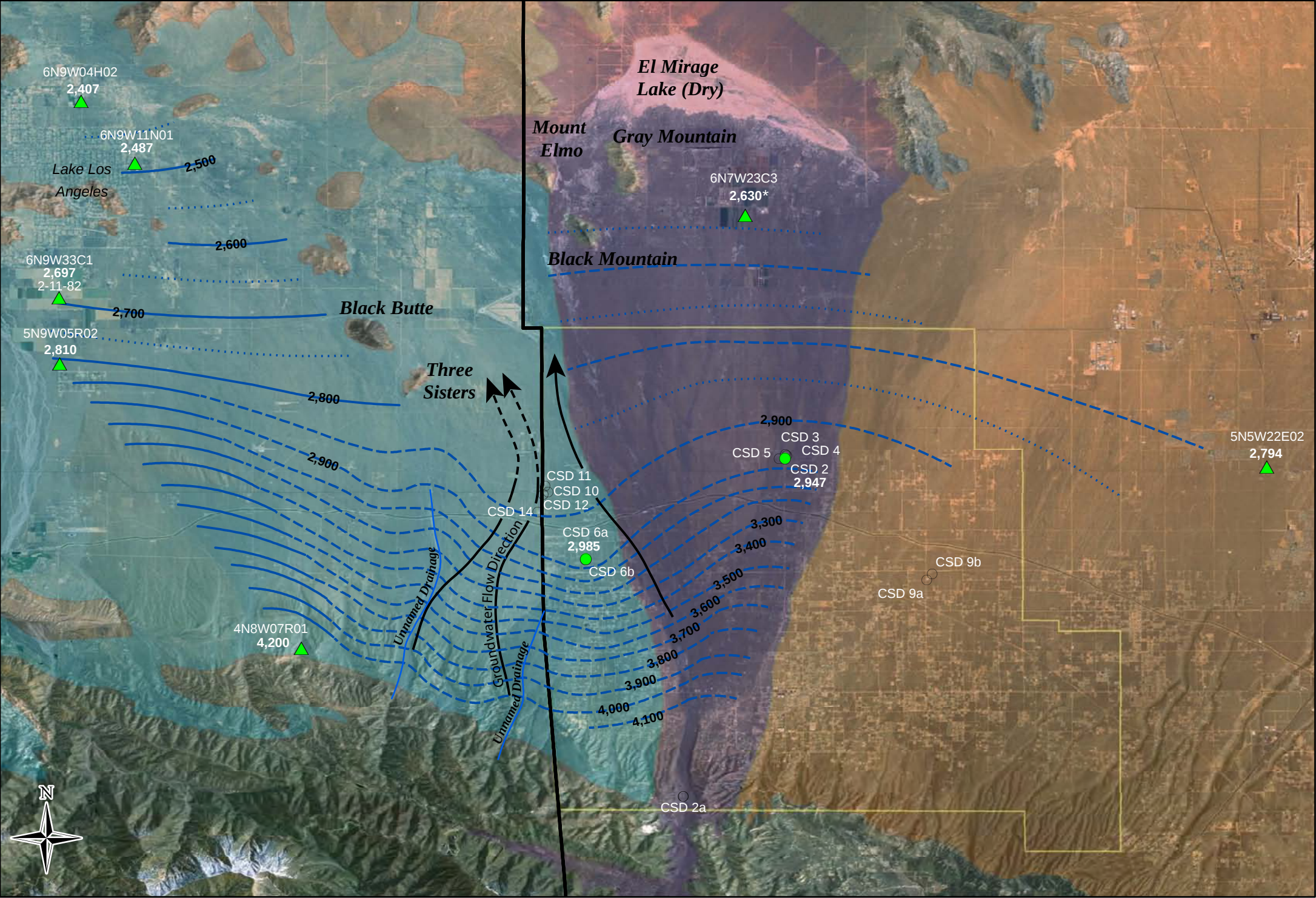
Map Features

- Phelan Pinon Hills Community Services District Wells
- County Boundary
- El Mirage Valley Groundwater Basin
- Antelope Valley Groundwater Basin
- Upper Mojave River Valley Groundwater Basin
- Phelan Pinon Hills Community Services District
- Sheep Creek Water Company

Basemap Source: www.esri.com



Basemap Source: www.esri.com

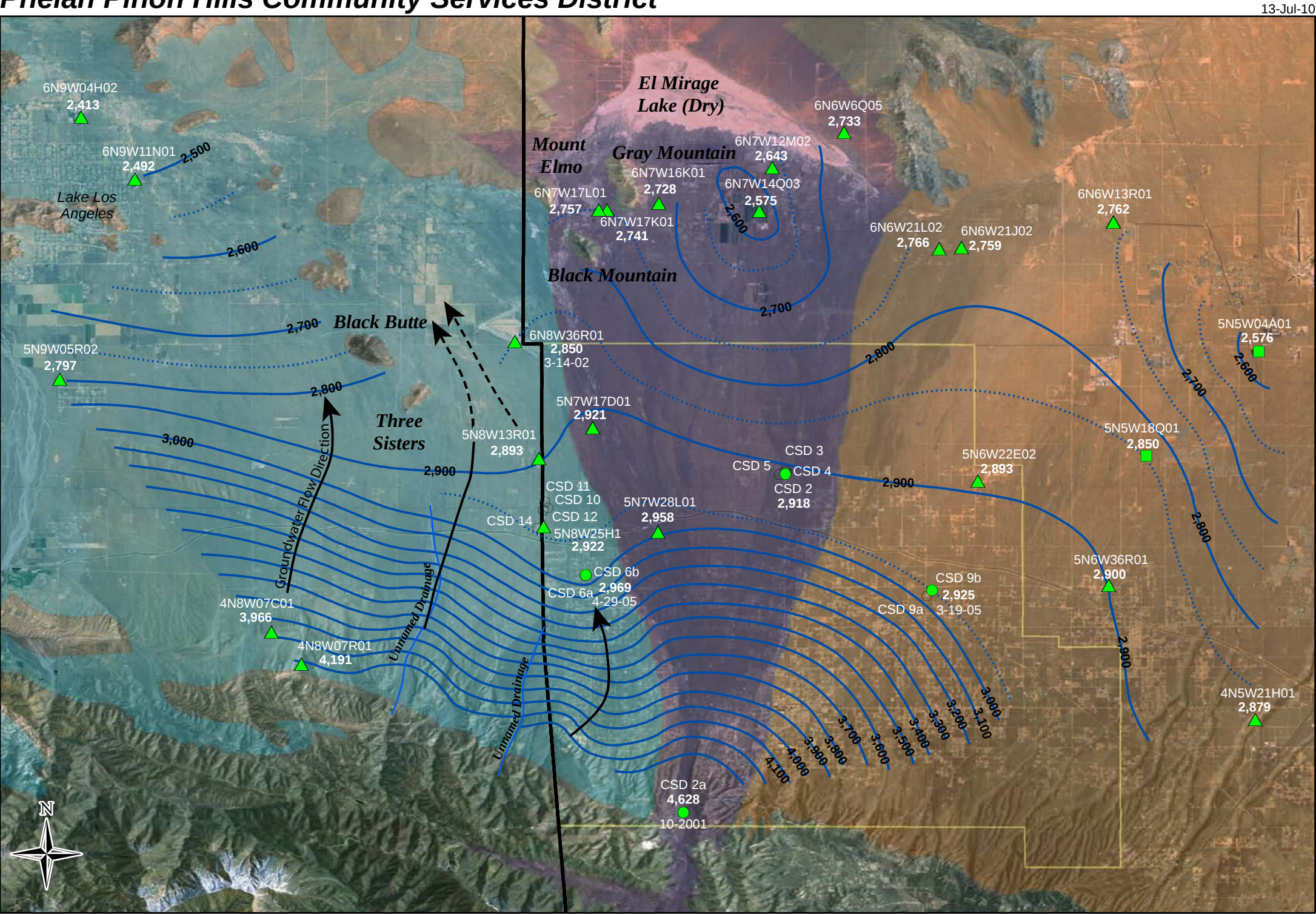


Map Features

- 100 ft Groundwater Contour (dashed where approximate)
- 50 ft Groundwater Contours
- PPHCSD Well with Groundwater Level
- USGS Well with Groundwater Level
- PPHCSD Well (No Data)
- PPHCSD Boundary
- County Boundary
- Antelope Valley Groundwater Basin
- El Mirage Valley Groundwater Basin
- Upper Mojave River Groundwater Basin

Basemap Source: www.esri.com
Note: February through September 1985 Data
* Estimated groundwater elevation based on long-term hydrograph

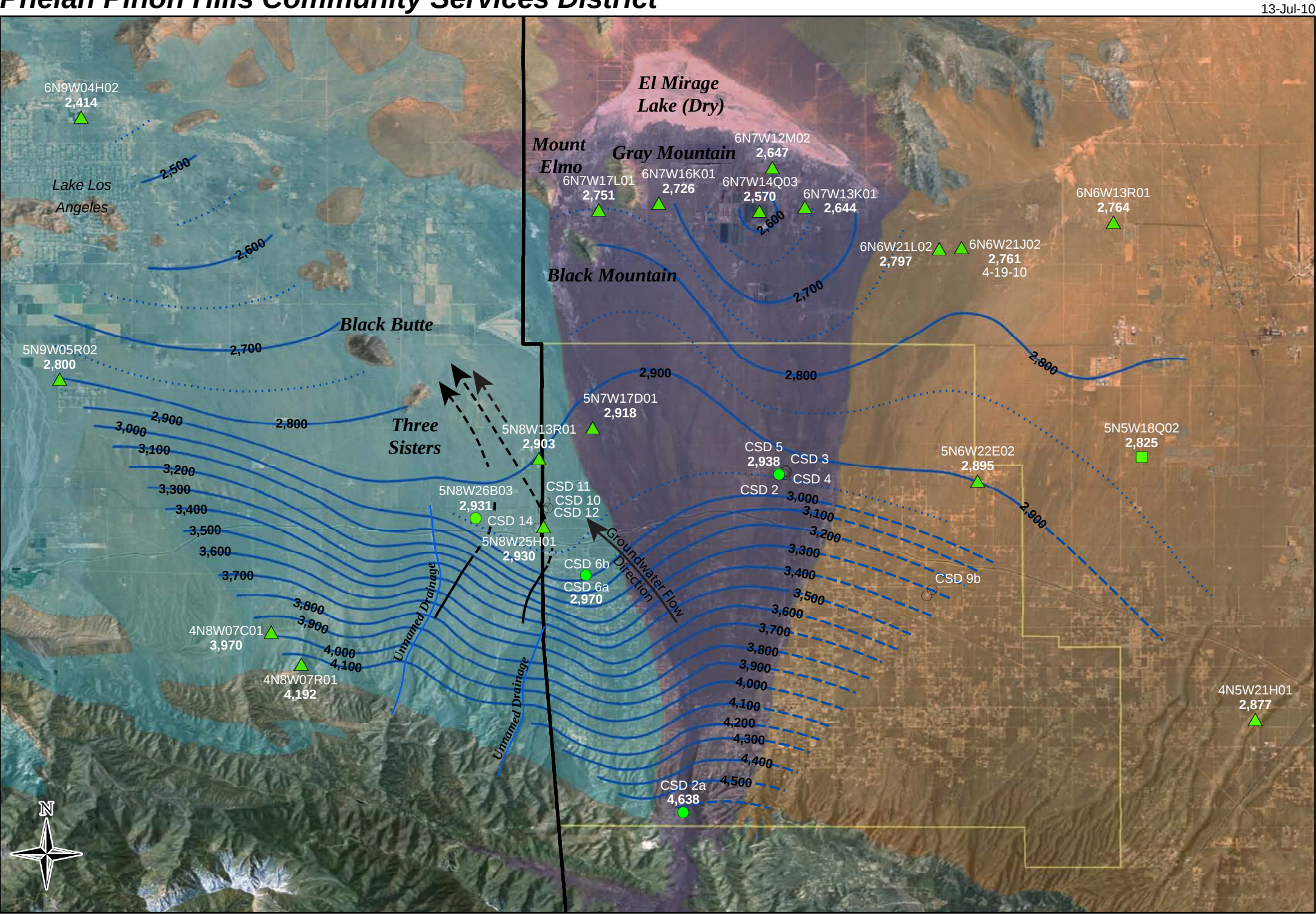
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NAD 83 UTM Zone 11
Central Meridian: -117



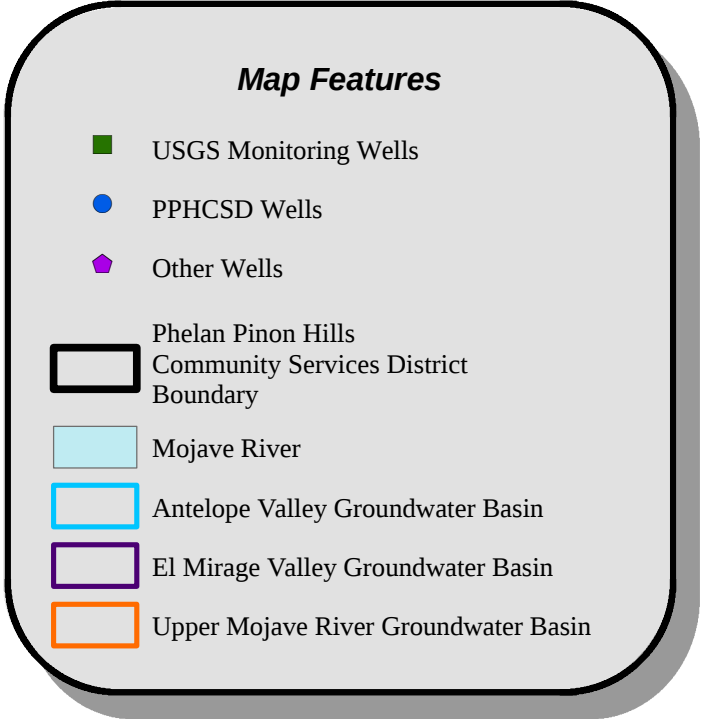
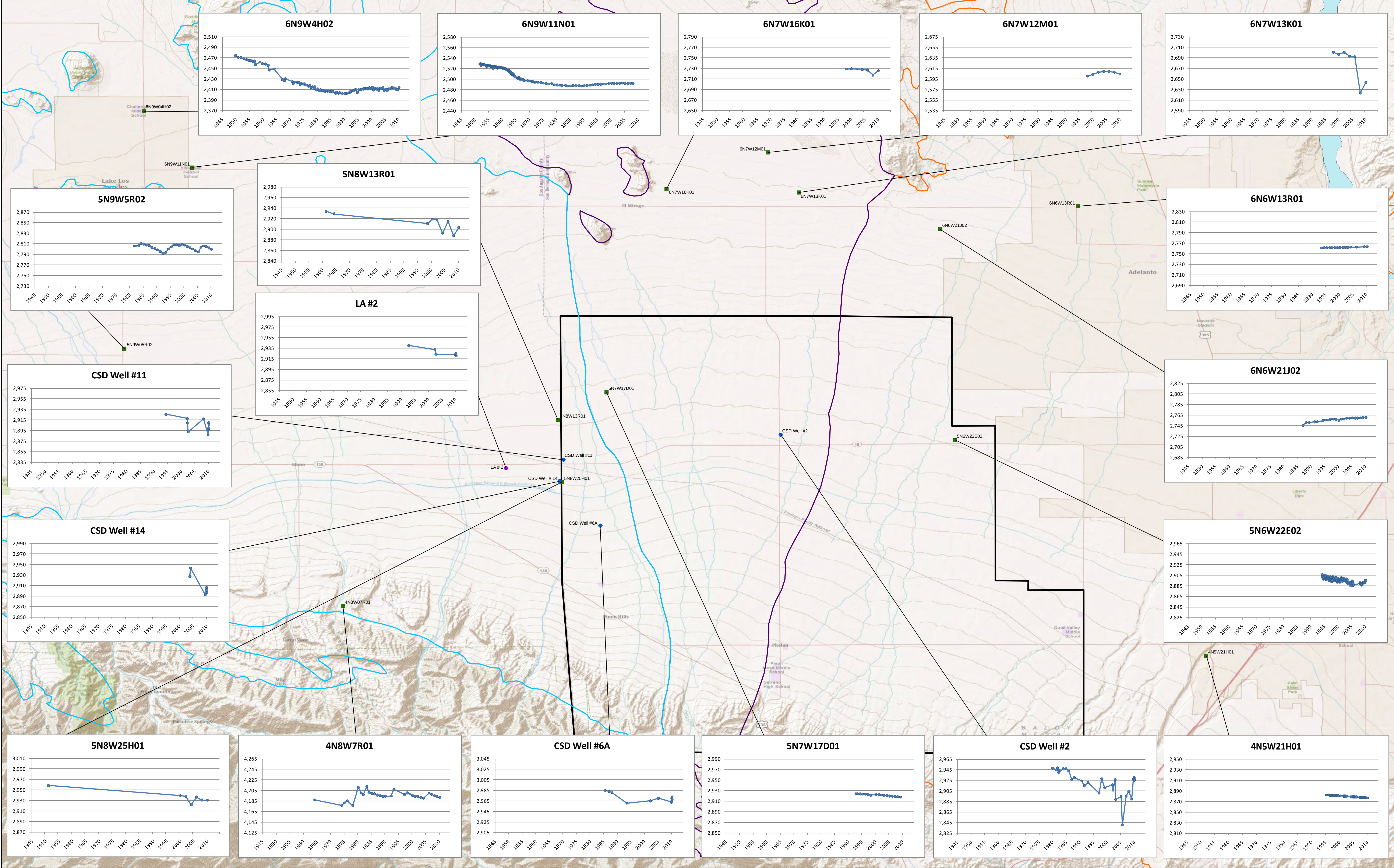
Map Features

- 100 ft Groundwater Contour (dashed where approximate)
- 50 ft Groundwater Contour
- PPHCSD Well with Groundwater Level
- MWA Well with Groundwater Level
- USGS Well with Groundwater Level
- PPHCSD Well (No Data)
- PPHCSD Boundary
- County Boundary
- Antelope Valley Groundwater Basin
- El Mirage Valley Groundwater Basin
- Upper Mojave River Groundwater Basin

Basemap Source: www.esri.com
Note: March 2004 Data



0 2.5 5 10 Miles
NAD 83 UTM Zone 11
Central Meridian: -117



Tables



**Summary of Annual Groundwater Production
PPHCSD Wells in the Antelope Valley Groundwater Basin**

Year	Groundwater Production (Acre-ft)						
	Well 6a	Well 6b	Well 10	Well 11	Well 12	Well 14	Total
1986	331.00	0.00	0.00	0.00	0.00	0.00	2,317.00
1987	244.00	0.00	0.00	0.00	0.00	0.00	244.00
1988	211.77	0.00	0.00	0.00	0.00	0.00	211.77
1989	170.70	0.00	0.00	0.00	0.00	0.00	170.70
1990	505.47	0.00	0.00	0.00	0.00	0.00	505.47
1991	309.85	309.85	0.00	0.00	0.00	0.00	619.70
1992	326.00	421.48	126.82	0.00	0.00	0.00	874.30
1993	267.92	380.07	286.91	0.00	0.00	0.00	934.90
1993-1994	95.00	299.00	286.00	0.00	0.00	0.00	680.00
1994-1995	245.00	319.00	106.00	0.00	0.00	0.00	670.00
1995-1996	282.00	363.00	397.00	63.00	0.00	0.00	1,105.00
1996-1997	244.00	294.00	511.00	85.00	0.00	0.00	1,134.00
1997-1998	339.00	258.00	443.00	86.00	0.00	0.00	1,126.00
1998-1999	485.00	354.00	446.00	106.00	0.00	0.00	1,391.00
1999-2000	449.00	293.00	261.00	56.00	424.00	0.00	1,483.00
2000-2001	403.00	341.00	95.00	38.00	523.00	0.00	1,400.00
2001-2002	414.00	294.00	246.00	50.00	705.00	0.00	1,709.00
2002-2003	315.00	348.00	320.00	74.00	563.00	0.00	1,620.00
2003-2004	157.00	237.00	94.00	26.00	1,101.00	0.00	1,615.00
2004-2005	220.00	348.00	265.00	41.00	621.00	0.10	1,495.10
2005-2006	235.00	155.00	250.00	103.00	584.00	147.86	1,474.86
2006-2007	275.00	301.00	383.00	191.00	756.00	38.25	1,944.25
2007-2008	294.00	115.00	188.00	89.00	723.00	377.66	1,786.66
2008-2009	240.00	381.00	151.00	111.00	619.00	420.78	1,922.78

**Summary of Monthly Groundwater Production
Phelan-Pinon Hills Community Services District
Well No. 14**

Year	Month	Monthly Groundwater Production Based on Daily Flow Meter Data (Acre-ft)
2004	March	0.00
	April	0.00
	May	0.00
	June	0.00
	July	0.00
	August	0.00
	September	0.00
	October	0.00
	November	0.00
	December	0.00
	Total 2004	0.00
2005	January	0.00
	February	0.00
	March	0.00
	April	0.00
	May	0.00
	June	0.00
	July	0.00
	August	0.00
	September	0.10
	October	0.49
	November	0.52
	December	0.00
	Total 2005	1.11

**Summary of Monthly Groundwater Production
Phelan-Pinon Hills Community Services District
Well No. 14**

Year	Month	Monthly Groundwater Production Based on Daily Flow Meter Data (Acre-ft)
2006	January	0.09
	February	3.05
	March	7.89
	April	8.61
	May	10.18
	June	26.85
	July	37.86
	August	29.94
	September	22.38
	October	13.49
	November	3.81
	December	0.00
	Total 2006	164.15
2007	January	0.00
	February	0.00
	March	0.00
	April	0.00
	May	0.00
	June	1.40
	July	19.55
	August	0.00
	September	0.00
	October	0.00
	November	0.00
	December	0.00
	Total 2007	20.95

**Summary of Monthly Groundwater Production
Phelan-Pinon Hills Community Services District
Well No. 14**

Year	Month	Monthly Groundwater Production Based on Daily Flow Meter Data (Acre-ft)
2008	January	0.00
	February	0.00
	March	22.46
	April	78.98
	May	79.41
	June	24.81
	July	49.15
	August	76.99
	September	45.87
	October	50.58
	November	64.96
	December	0.06
	Total 2008	493.27
2009	January	0.00
	February	0.00
	March	0.00
	April	0.00
	May	0.00
	June	9.15
	July	100.66
	August	98.73
	September	96.64
	October	85.04
	November	71.65
	December	96.79
	Total 2009	558.65

**Summary of Monthly Groundwater Production
Phelan-Pinon Hills Community Services District
Well No. 14**

Year	Month	Monthly Groundwater Production Based on Daily Flow Meter Data (Acre-ft)
2010	January	91.09
	February	80.79
	March	93.53
	April	99.12
	May	98.95
	June	
	July	
	August	
	September	
	October	
	November	
	December	
	Total 2010	463.48

Appendices



Appendix A



Groundwater Levels Used for Contour Maps

PPHCSD ¹ Well Name	Department of Water Resources Name	Location		Groundwater Elevation				Source
		Latitude	Longitude	Month/ Year Measured	Reference Point Elevation (ft amsl ²)	Depth to Groundwater (ft brp ³)	Groundwater Elevation (ft amsl ²)	
Well #2	5N7W24D03	34.51055	-117.572275	3/04	3,350.58	432.58	2,918.00	PPHCSD ¹
Well #2	5N7W24D03	34.51055	-117.572275	2/85	3,350.58	403.50	2,947.08	PPHCSD
Well #2a	4N7W33J02	34.38826	-117.609140	3/10	4,880.00	242.10	4,637.90	PPHCSD
Well #2a	4N7W33J02	34.38826	-117.609140	10/01	4,880.00	251.60	4,628.40	PPHCSD
Well #5	5N7W23A01	34.51055	-117.574497	3/10	3,354.83	416.50	2,938.33	PPHCSD
Well #6a	5N7W31J03	34.47414	-117.644410	3/10	3,600.00	629.75	2,970.25	PPHCSD
Well #6a	5N7W31J03	34.47414	-117.644410	9/85	3,600.00	615.00	2,985.00	PPHCSD
Well #6b	5N7W31J04	34.47414	-117.644410	4/05	3,600.00	631.40	2,968.60	PPHCSD
Well #9b	4N6W4D02	34.46868	-117.519000	3/05	3,585.00	660.00	2,925.00	PPHCSD
	4N5W21H01	34.42194	-117.401994	3/10	3,530.00	653.35	2,876.65	USGS ⁴
	4N5W21H01	34.42194	-117.401994	3/04	3,530.00	650.82	2,879.18	USGS
	4N8W7C01	34.45361	-117.758333	3/10	4,202.00	232.06	3,969.94	USGS
	4N8W7C01	34.45361	-117.758333	3/04	4,202.00	236.11	3,965.89	USGS
	4N8W7R01	34.44194	-117.747500	3/10	4,307.00	115.04	4,191.96	USGS
	4N8W7R01	34.44194	-117.747500	3/04	4,307.00	116.48	4,190.52	USGS
	4N8W7R01	34.44194	-117.747500	3/85	4,307.00	107.47	4,199.53	USGS
	5N5W4A01	34.55459	-117.400796	3/04	2,953.74	378.00	2,575.74	PPHCSD
	5N5W18Q01	34.51694	-117.443104	3/04	3,134.56	284.50	2,850.06	PPHCSD
	5N5W18Q02	34.51694	-117.443104	4/10	3,141.38	316.66	2,824.72	PPHCSD
	5N5W22E02	34.50687	-117.397510	5/85	3,122.00	328.20	2,793.80	USGS
	5N6W22E02	34.50833	-117.502500	4/10	3,260.00	365.32	2,894.68	USGS
	5N6W22E02	34.50833	-117.502500	3/04	3,260.00	367.29	2,892.71	MWA ⁵
	5N6W36R01	34.47056	-117.455000	3/04	3,422.00	522.00	2,900.00	USGS

PPHCSD ¹ Well Name	Department of Water Resources Name	Location		Groundwater Elevation				Source
		Latitude	Longitude	Month/ Year Measured	Reference Point Elevation (ft amsl ²)	Depth to Groundwater (ft brp ³)	Groundwater Elevation (ft amsl ²)	
	5N7W17D01	34.52750	-117.641944	3/10	3,225.00	306.97	2,918.03	USGS
	5N7W17D01	34.52750	-117.641944	3/04	3,225.00	303.81	2,921.19	USGS
	5N7W28L01	34.48972	-117.618333	3/04	3,505.00	546.55	2,958.45	USGS
	5N8W13R01	34.51639	-117.661389	3/10	3,269.00	365.74	2,903.26	USGS
	5N8W13R01	34.51639	-117.661389	3/04	3,269.00	376.40	2,892.60	USGS
	5N8W25H01	34.49167	-117.659722	3/10	3,445.00	514.66	2,930.34	USGS
	5N8W25H01	34.49167	-117.659722	3/04	3,445.00	523.16	2,921.84	USGS
	5N8W26B03	34.49471	-117.684467	3/10	3,439.00	508.00	2,931.00	PPHCSD
	5N9W5R02	34.54500	-117.835000	3/10	2,908.00	108.42	2,799.58	USGS
	5N9W5R02	34.54500	-117.835000	3/04	2,908.00	111.12	2,796.88	USGS
	5N9W5R02	34.54500	-117.835000	3/85	2,908.00	98.49	2,809.51	USGS
	6N6W6Q05	34.63444	-117.550833	3/04	2,870.00	137.26	2,732.74	USGS
	6N6W13R01	34.60194	-117.453333	3/10	2,817.00	53.42	2,763.58	USGS
	6N6W13R01	34.60194	-117.453333	3/04	2,817.00	54.52	2,762.48	USGS
	6N6W21J02	34.59278	-117.508333	4/10	2,886.00	125.46	2,760.54	USGS
	6N6W21J02	34.59278	-117.508333	3/04	2,886.00	126.73	2,759.27	USGS
	6N6W21L02	34.59222	-117.516389	3/10	2,895.00	97.64	2,797.36	USGS
	6N6W21L02	34.59194	-117.516133	3/04	2,895.00	128.87	2,766.13	USGS
	6N7W12M02	34.62174	-117.576839	3/10	2,851.00	203.52	2,647.48	USGS
	6N7W12M02	34.62357	-117.577306	3/04	2,851.00	207.70	2,643.30	USGS
	6N7W13K01	34.60750	-117.565000	3/10	2,878.00	234.31	2,643.69	USGS
	6N7W14Q03	34.60594	-117.581556	3/10	2,887.00	316.85	2,570.15	USGS
	6N7W14Q03	34.60594	-117.581556	3/04	2,887.00	312.05	2,574.95	USGS
	6N7W16K01	34.60879	-117.617967	3/10	2,794.00	68.30	2,725.70	USGS
	6N7W16K01	34.60879	-117.617967	3/04	2,794.00	66.18	2,727.82	USGS
	6N7W17K01	34.60639	-117.636667	3/04	2,901.00	159.96	2,741.04	USGS

PPHCSD ¹ Well Name	Department of Water Resources Name	Location		Groundwater Elevation				Source
		Latitude	Longitude	Month/ Year Measured	Reference Point Elevation (ft amsl ²)	Depth to Groundwater (ft brp ³)	Groundwater Elevation (ft amsl ²)	
	6N7W17L01	34.60639	-117.639722	3/10	2,900.00	148.81	2,751.19	USGS
	6N7W17L01	34.60639	-117.639722	3/04	2,900.00	143.13	2,756.87	USGS
	6N8W36R01	34.55876	-117.670153	3/02	3,055.00	204.53	2,850.47	USGS
	6N9W4H02	34.64000	-117.827222	3/10	2,595.00	181.49	2,413.51	USGS
	6N9W4H02	34.64000	-117.827222	3/04	2,595.00	181.65	2,413.35	USGS
	6N9W4H02	34.64000	-117.827222	3/85	2,595.00	188.13	2,406.87	USGS
	6N9W11N01	34.61750	-117.807778	3/04	2,666.00	173.70	2,492.30	USGS
	6N9W11N01	34.61750	-117.807778	3/85	2,666.00	179.00	2,487.00	USGS
	6N9W33C01	34.56889	-117.835278	2/82	2,823.00	126.22	2,696.78	USGS

Notes:

¹ PPHCSD = Phelan Pinon Hills Community Services District

² Ft amsl = Feet above mean sea level.

³ Ft brp = Feet below reference point.

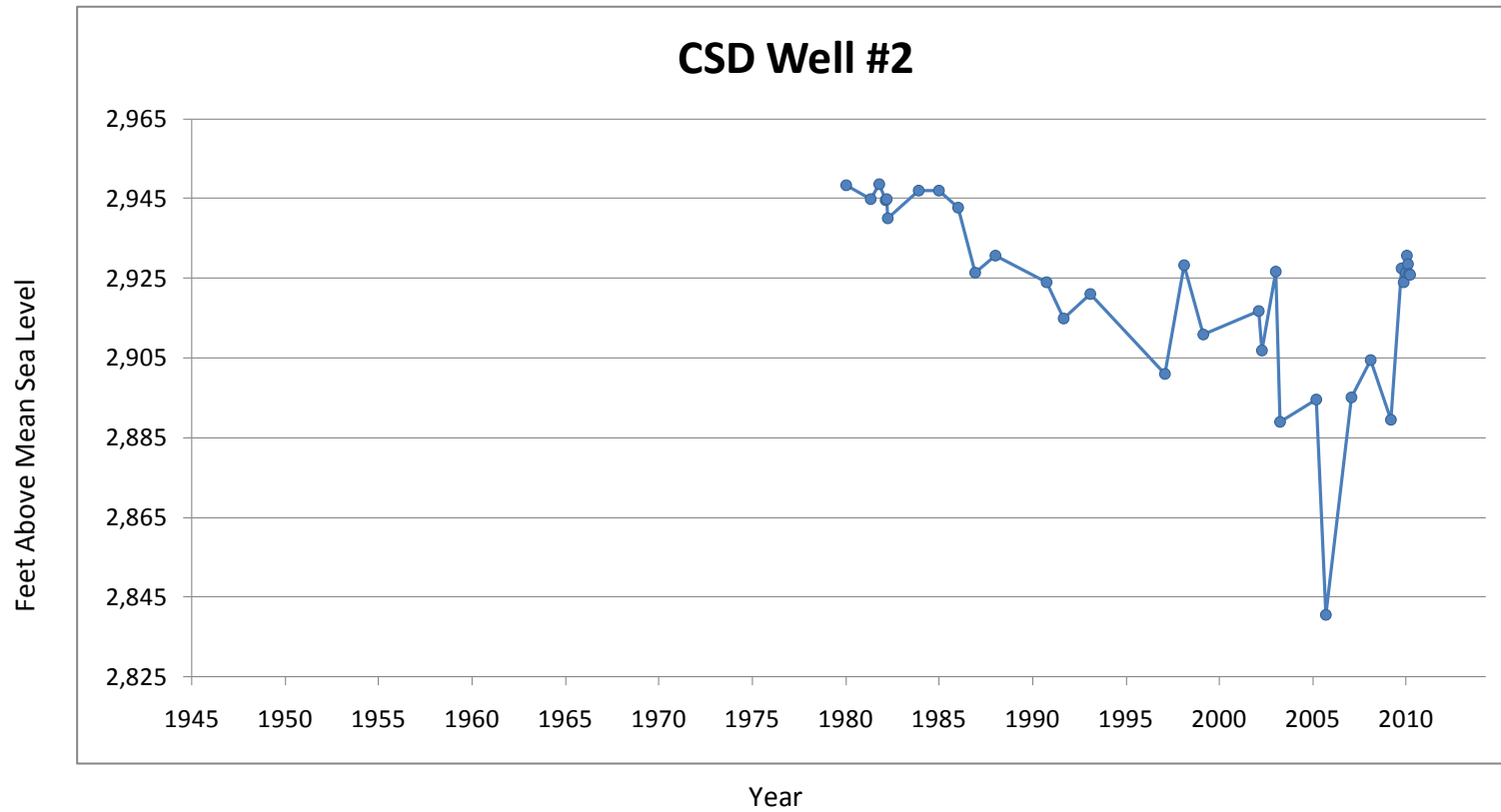
⁴ USGS = United States Geological Survey

⁵ MWA = Mojave Water Agency

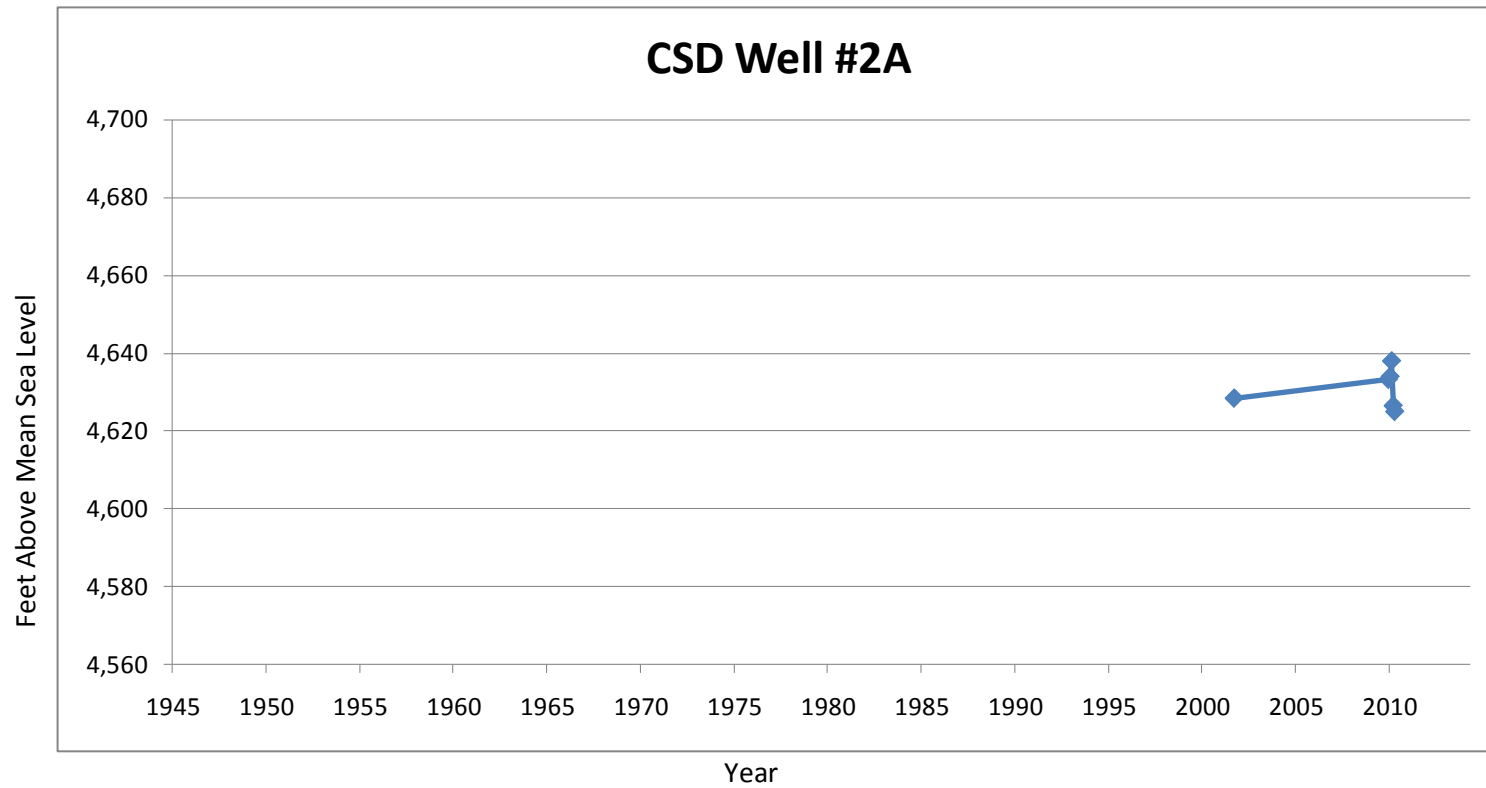
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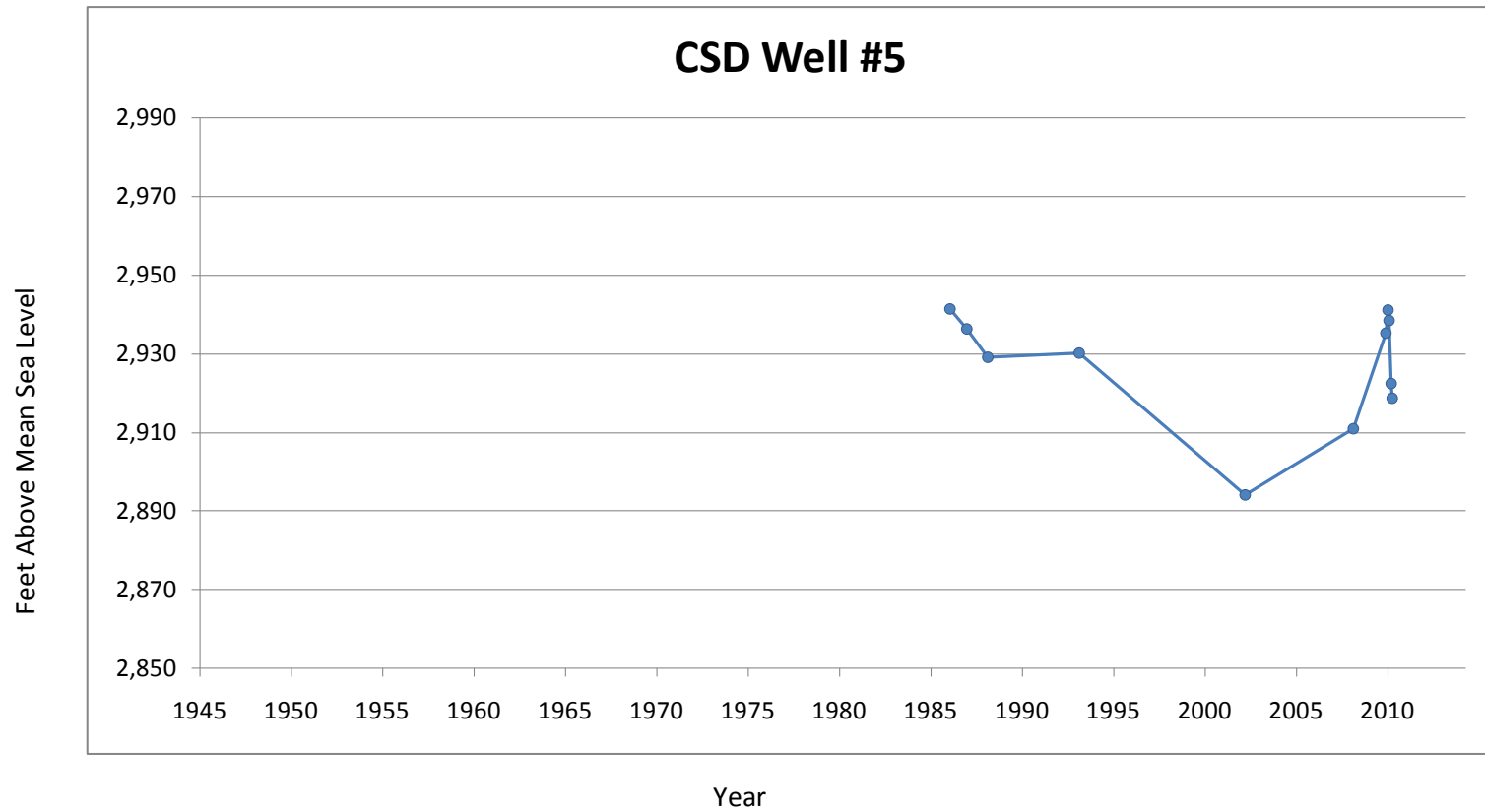
Groundwater Level Hydrograph



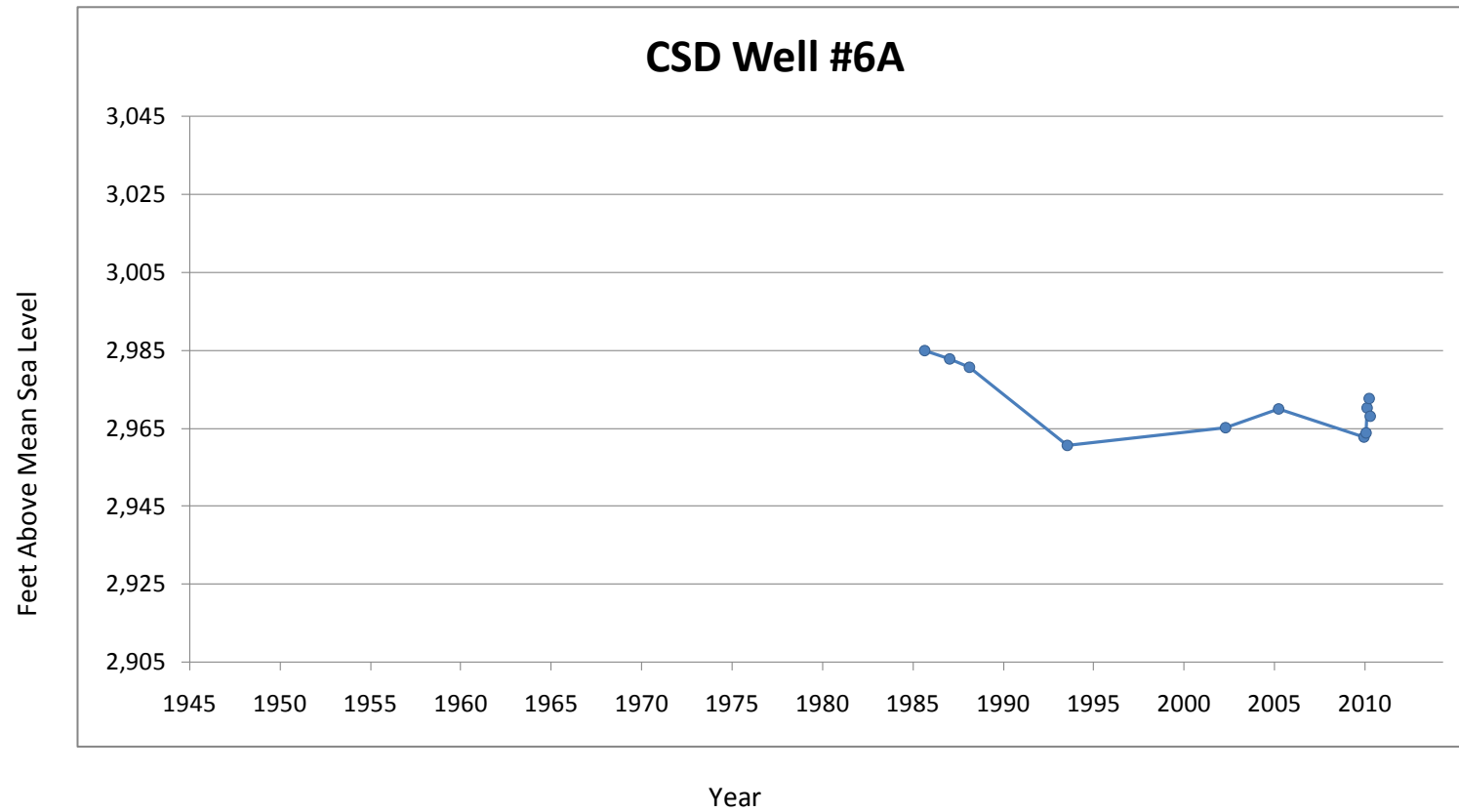
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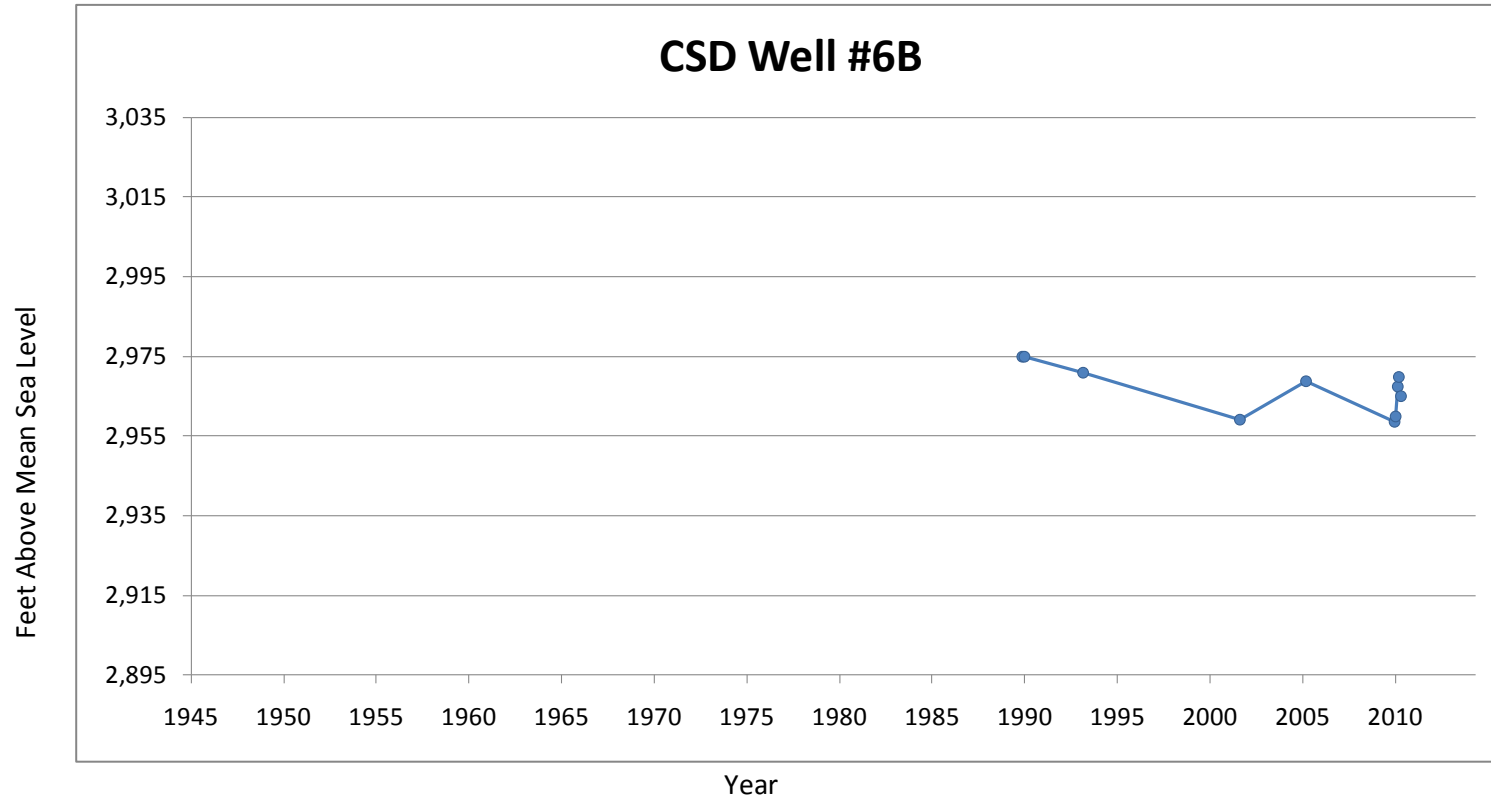
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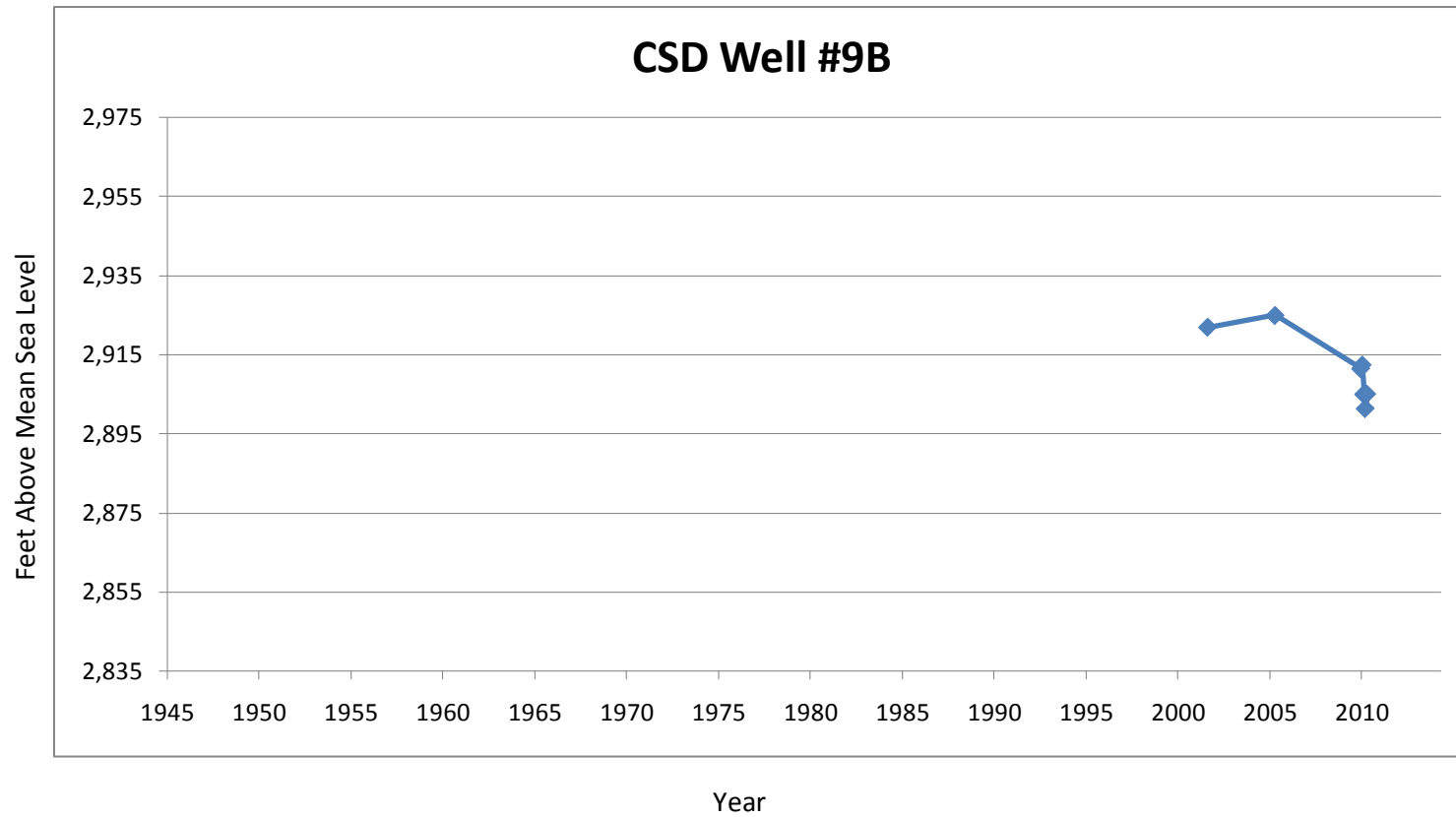
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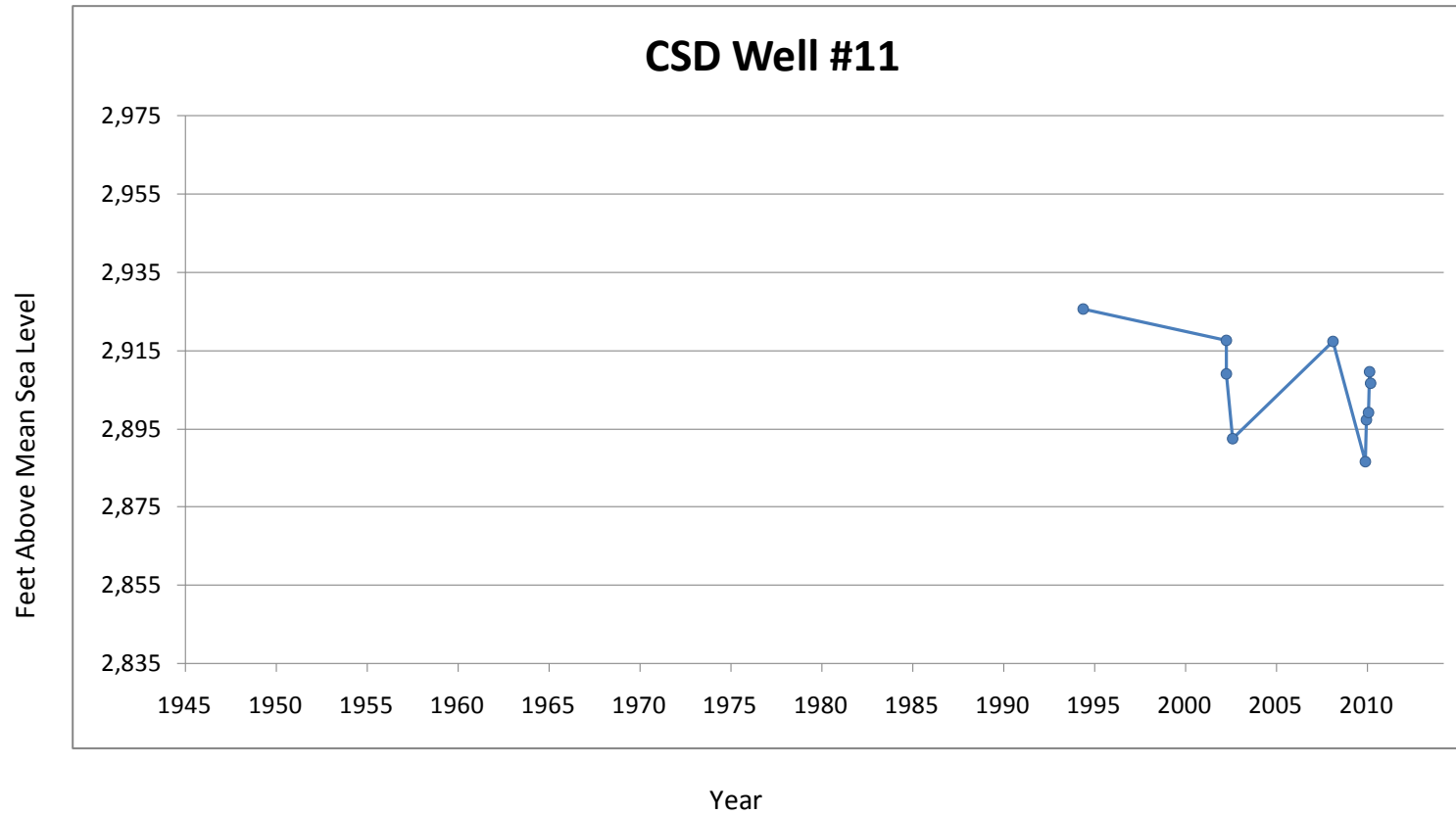
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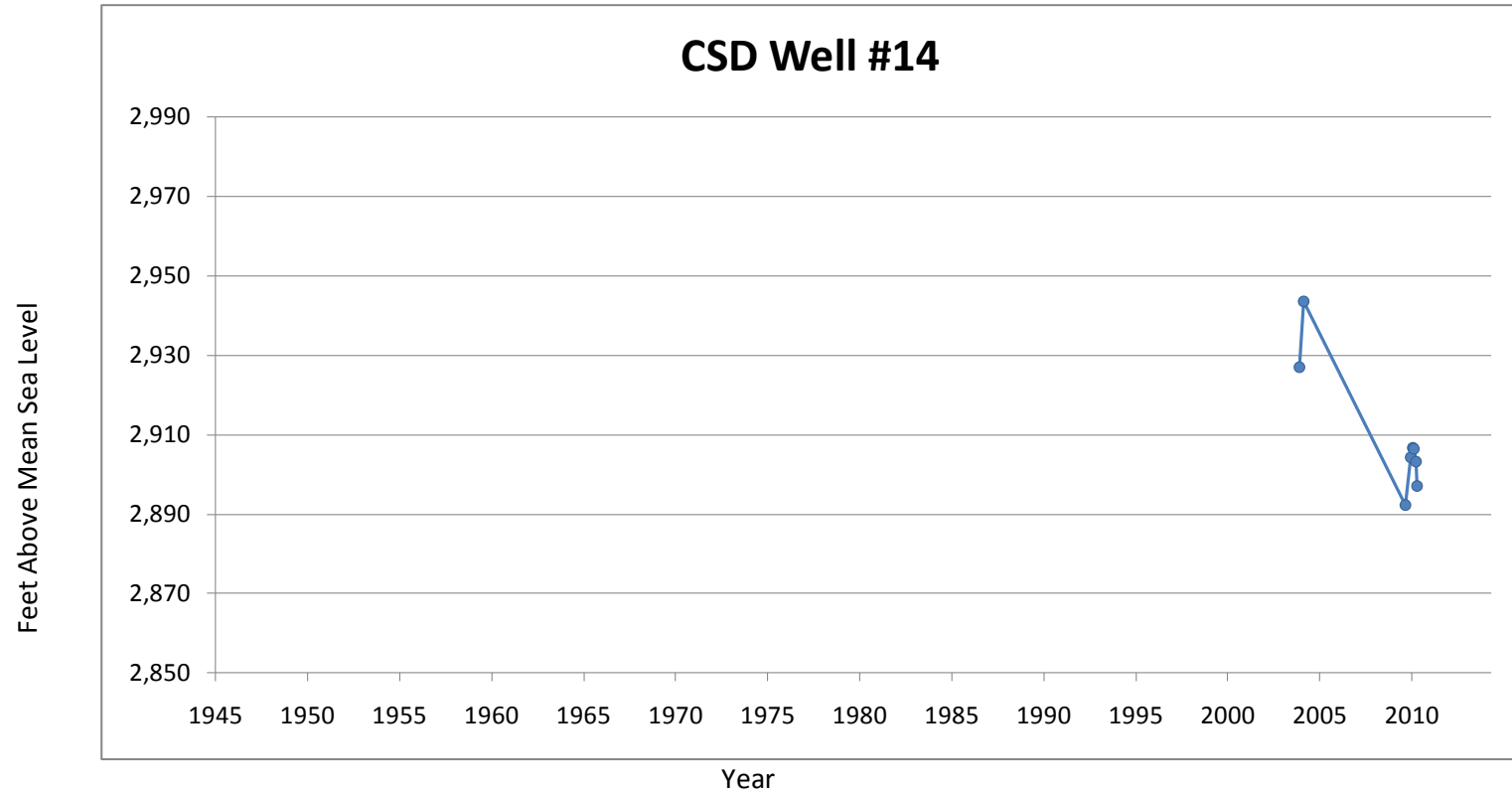
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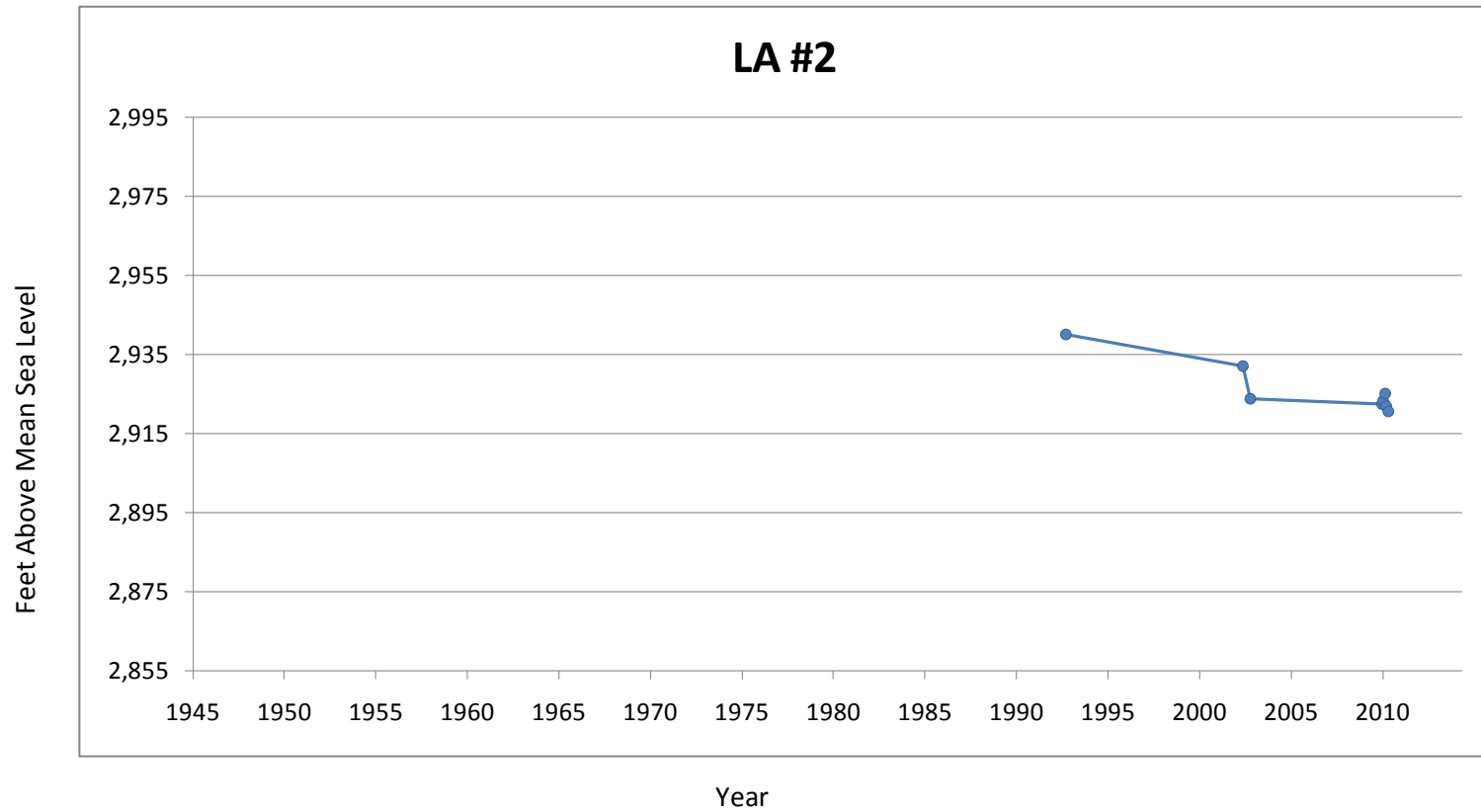
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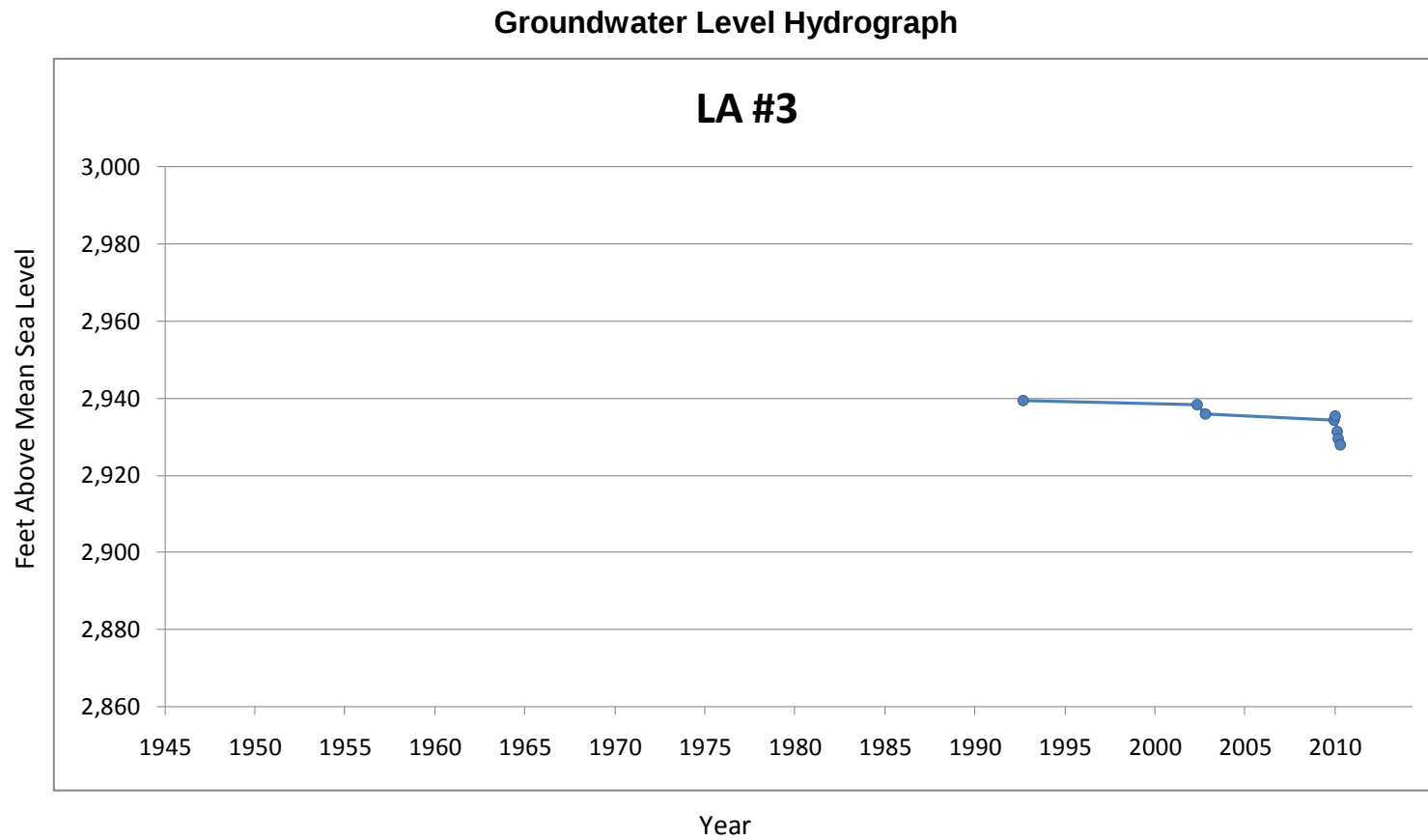


Groundwater Level Hydrograph

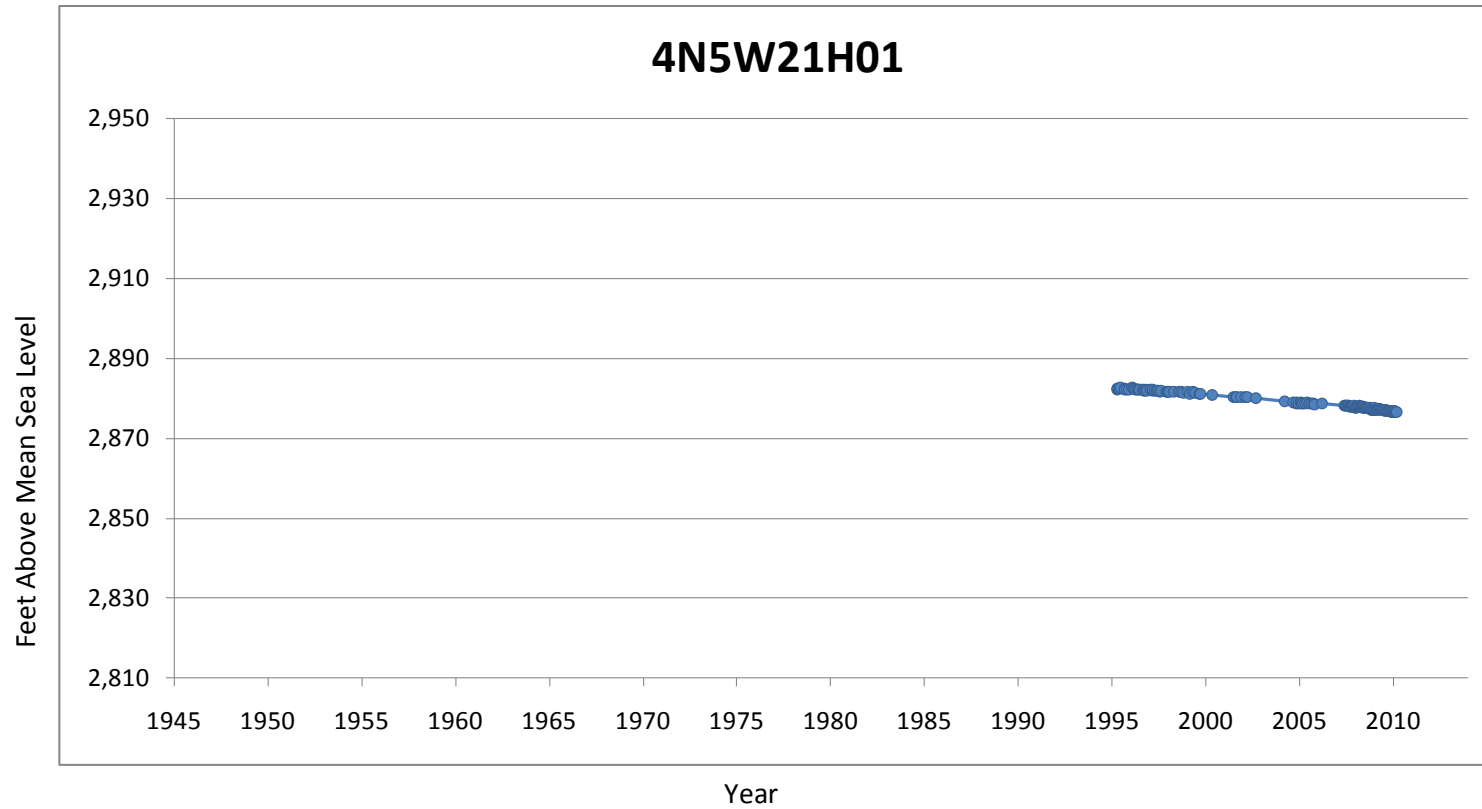


Groundwater Level Hydrograph

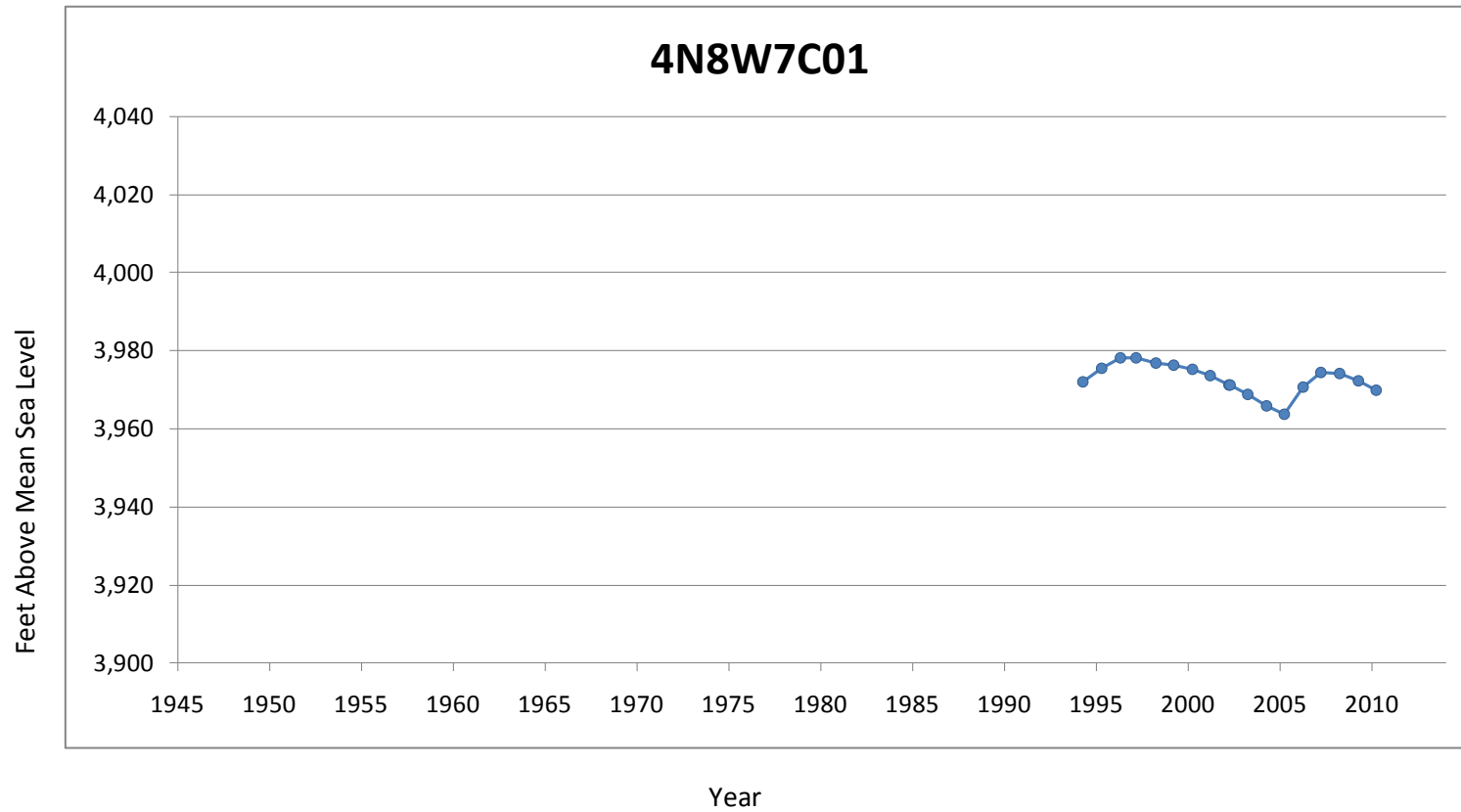




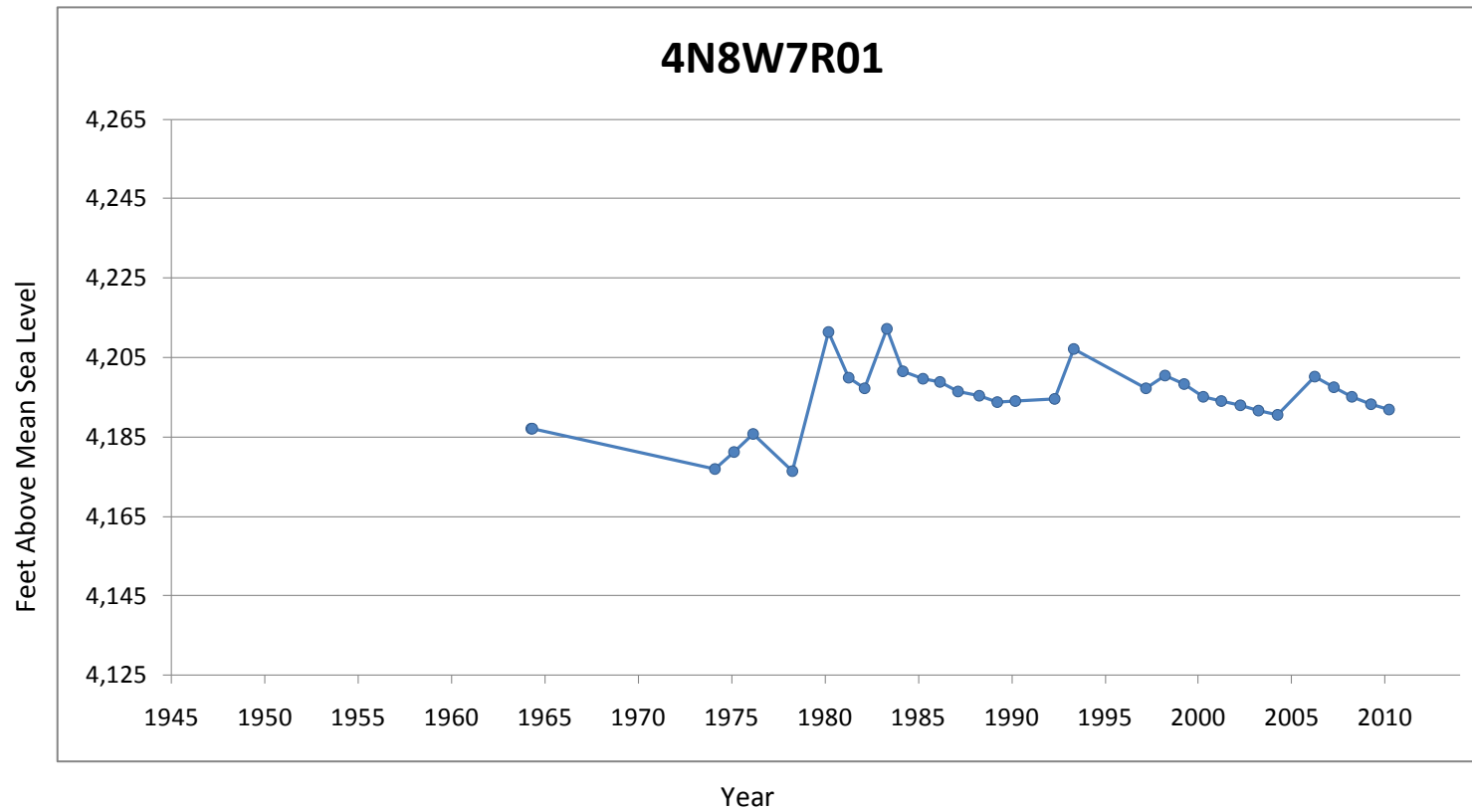
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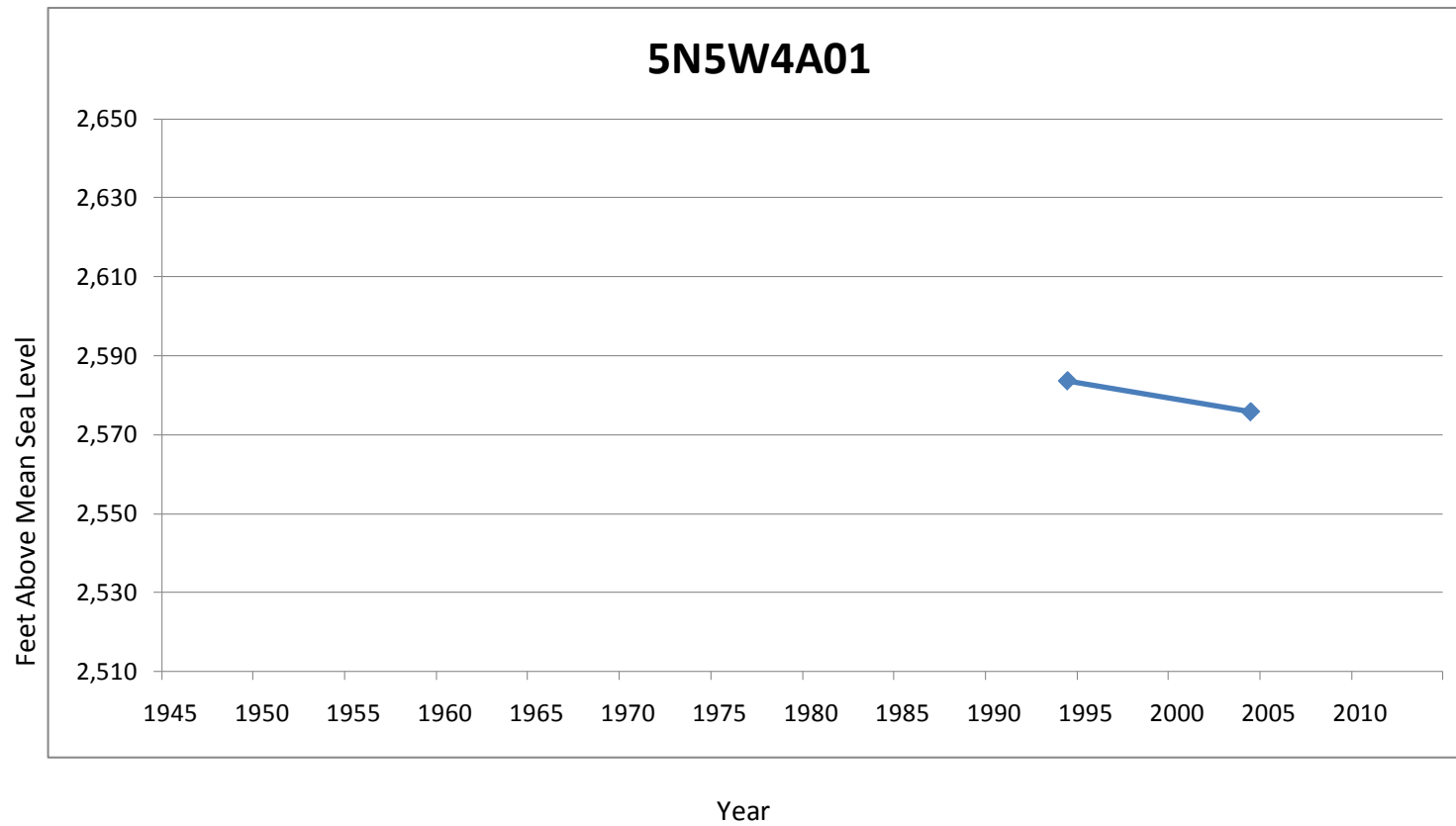
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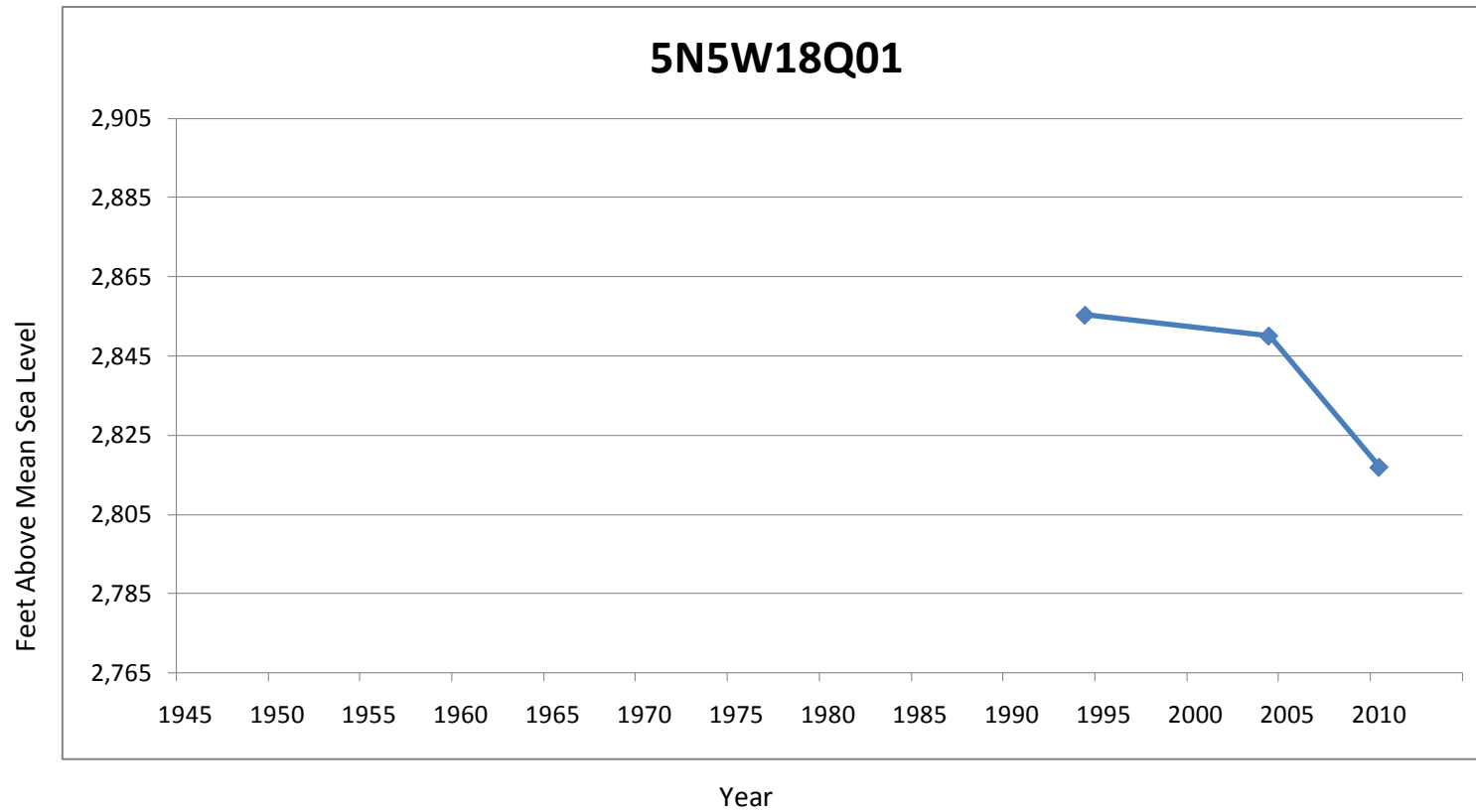
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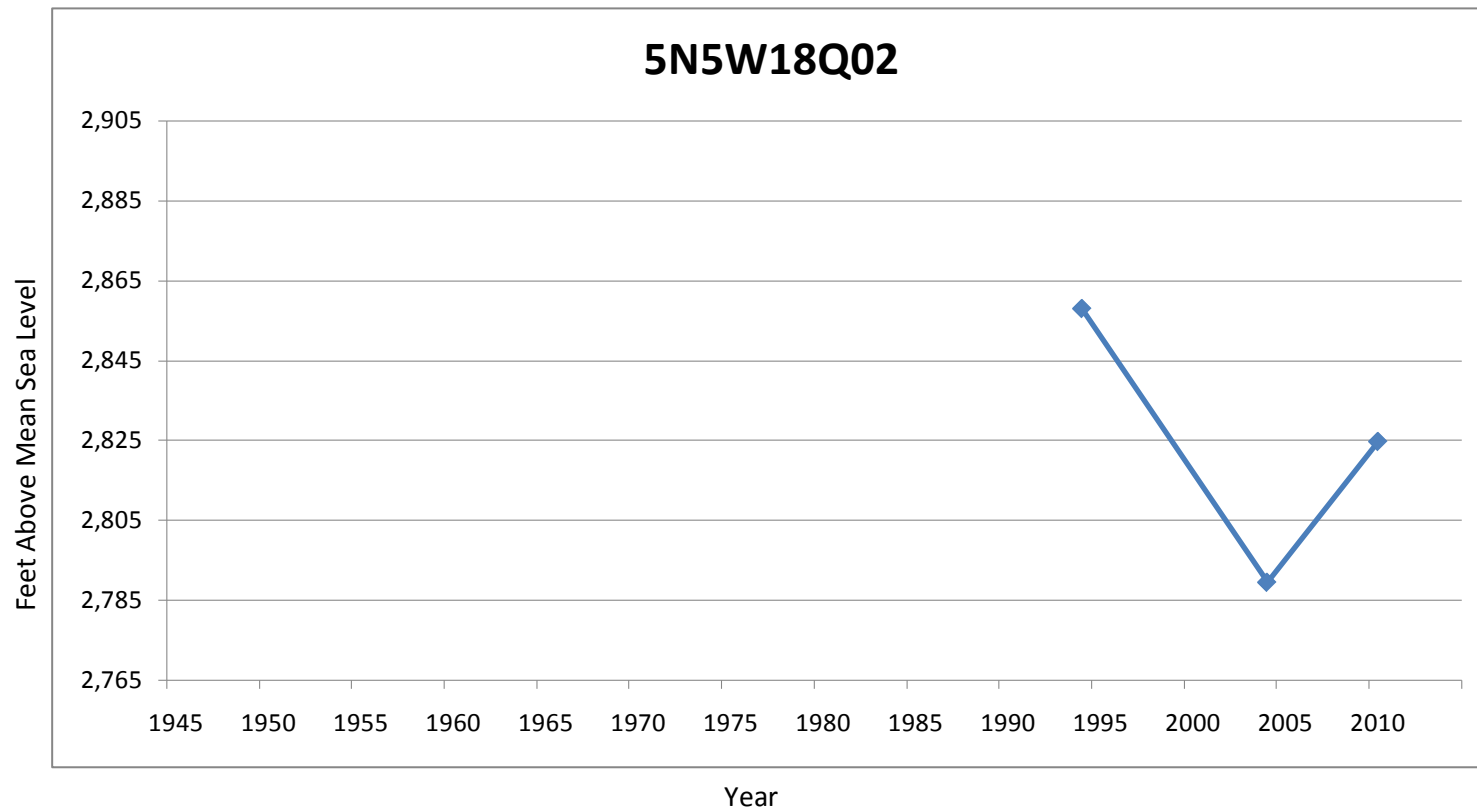
Groundwater Level Hydrograph



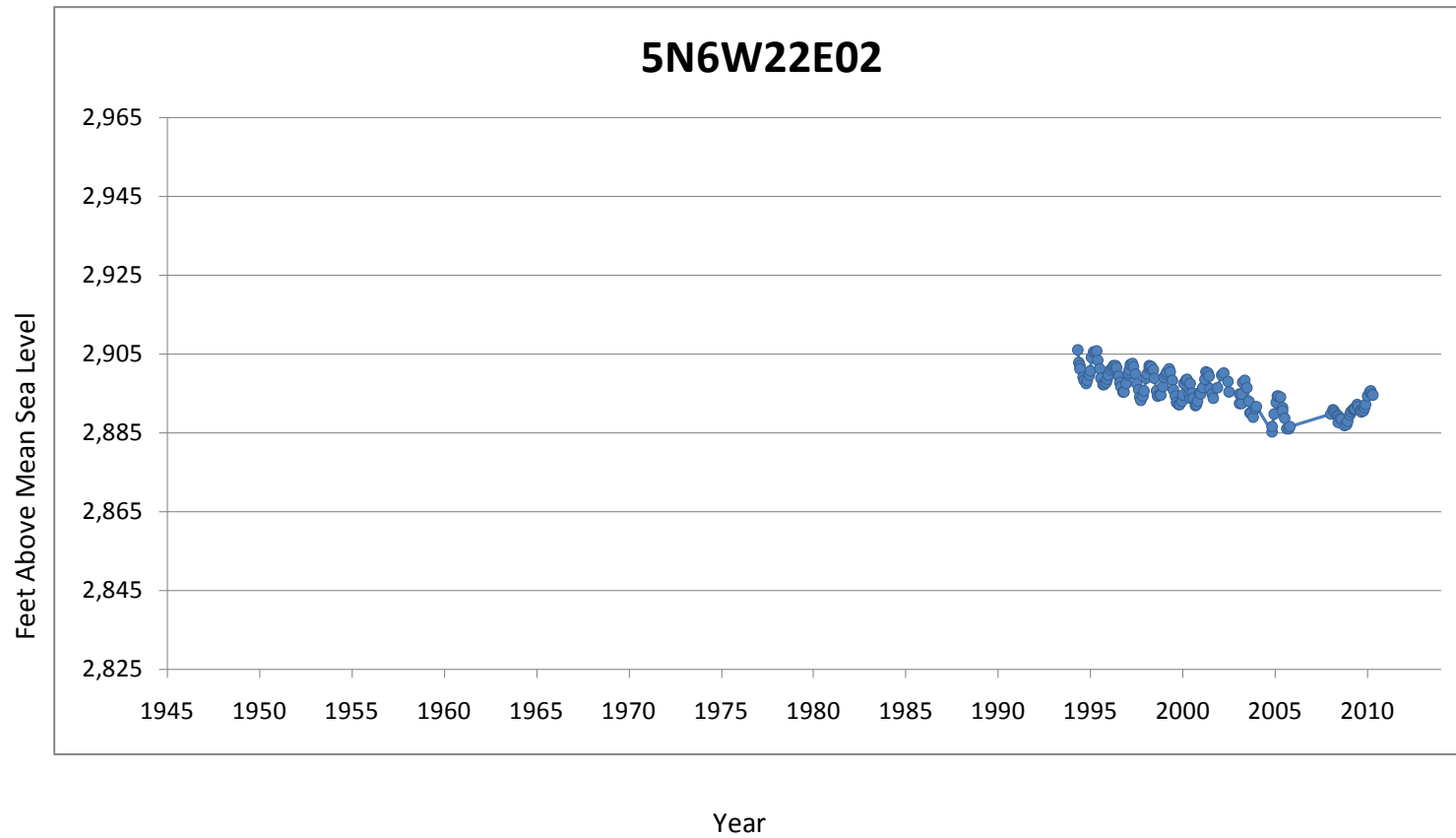
Groundwater Level Hydrograph



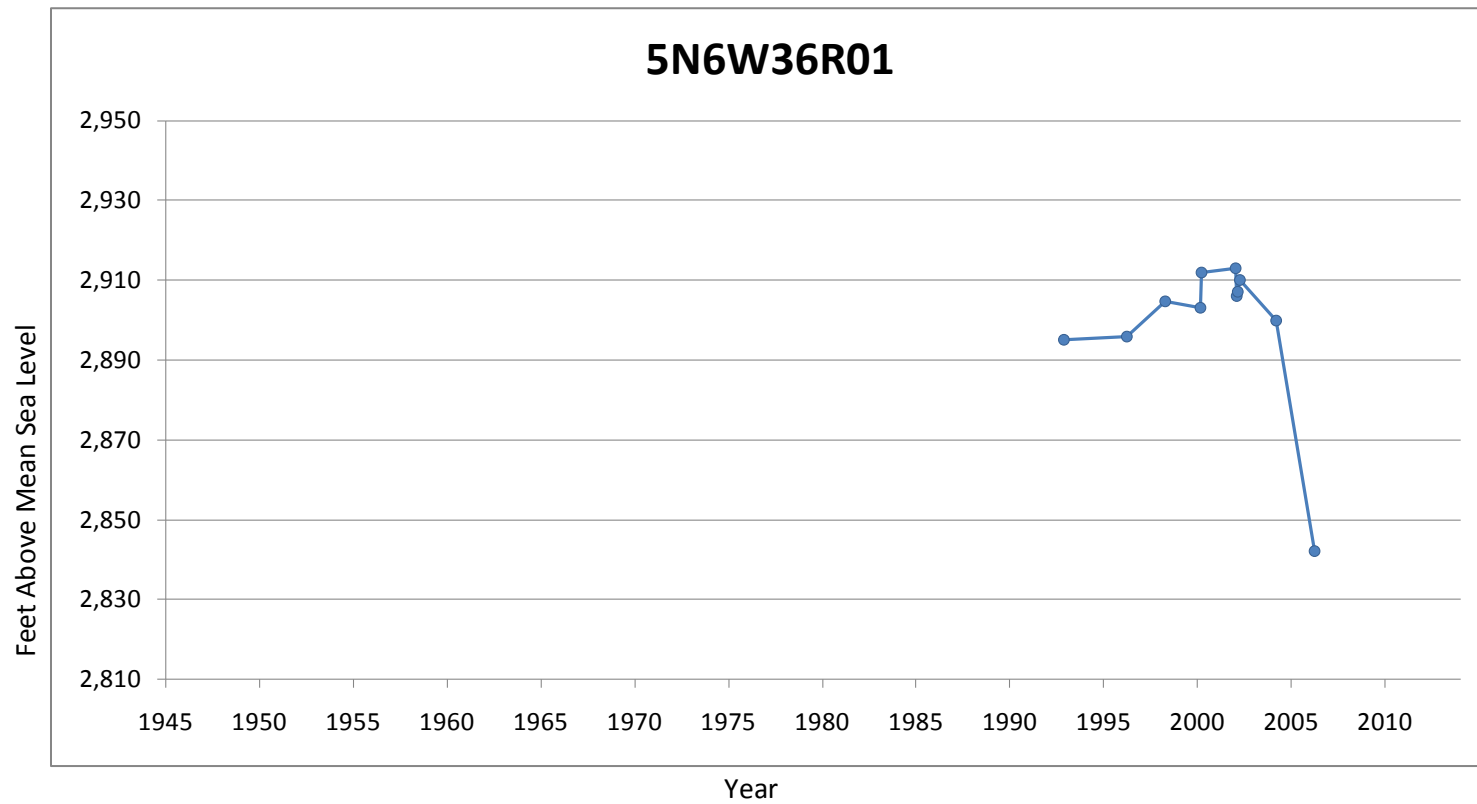
Groundwater Level Hydrograph



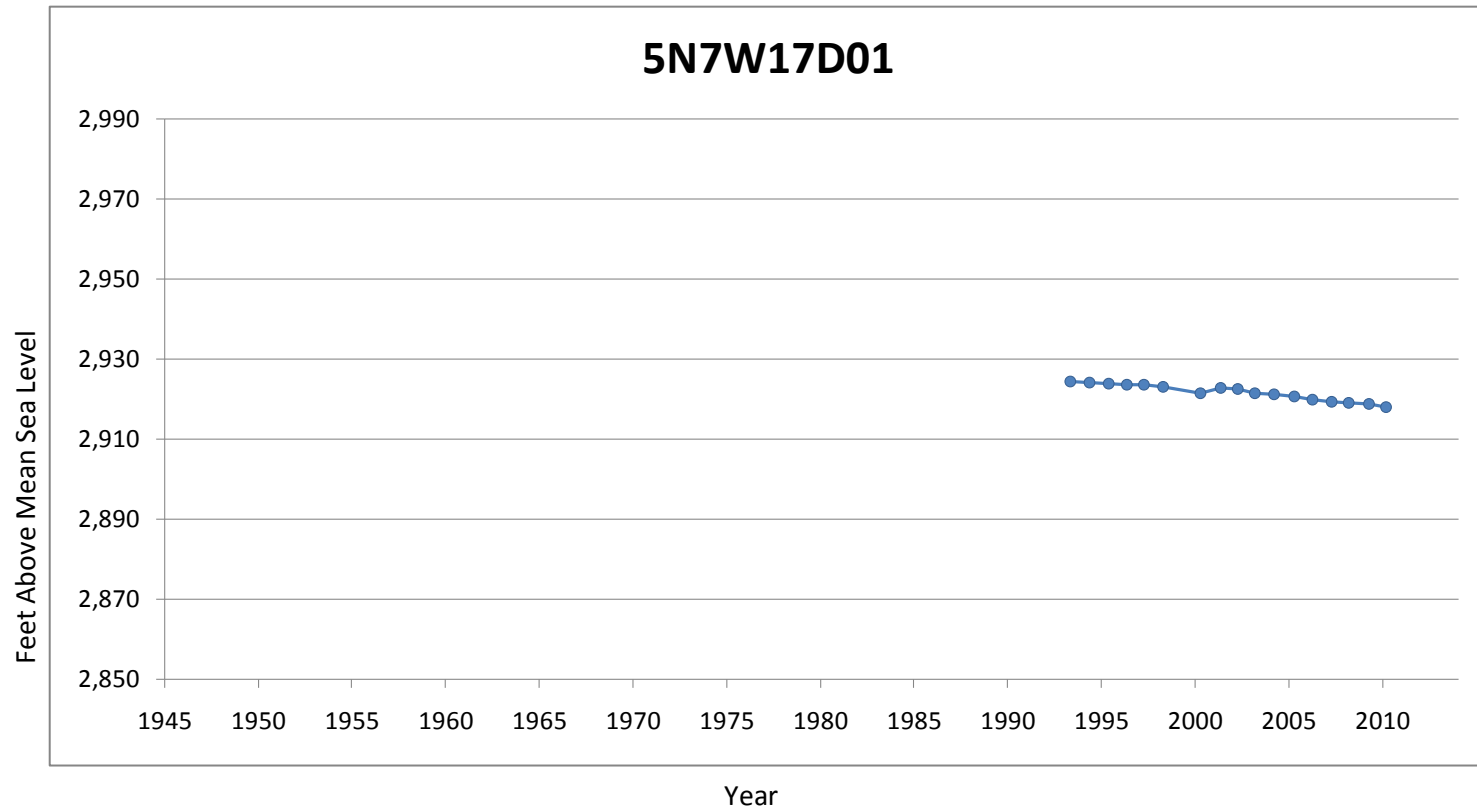
Groundwater Level Hydrograph



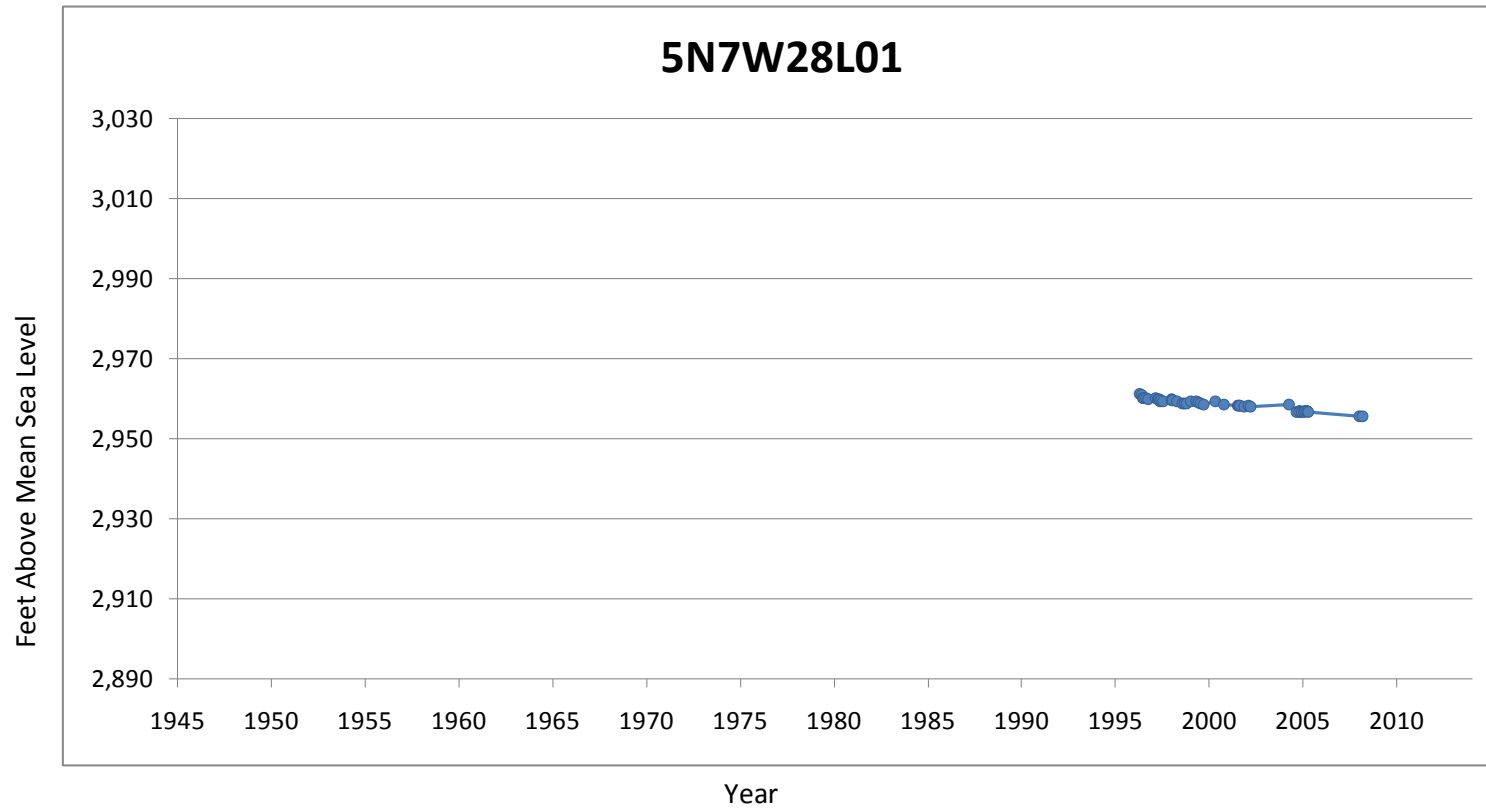
Groundwater Level Hydrograph



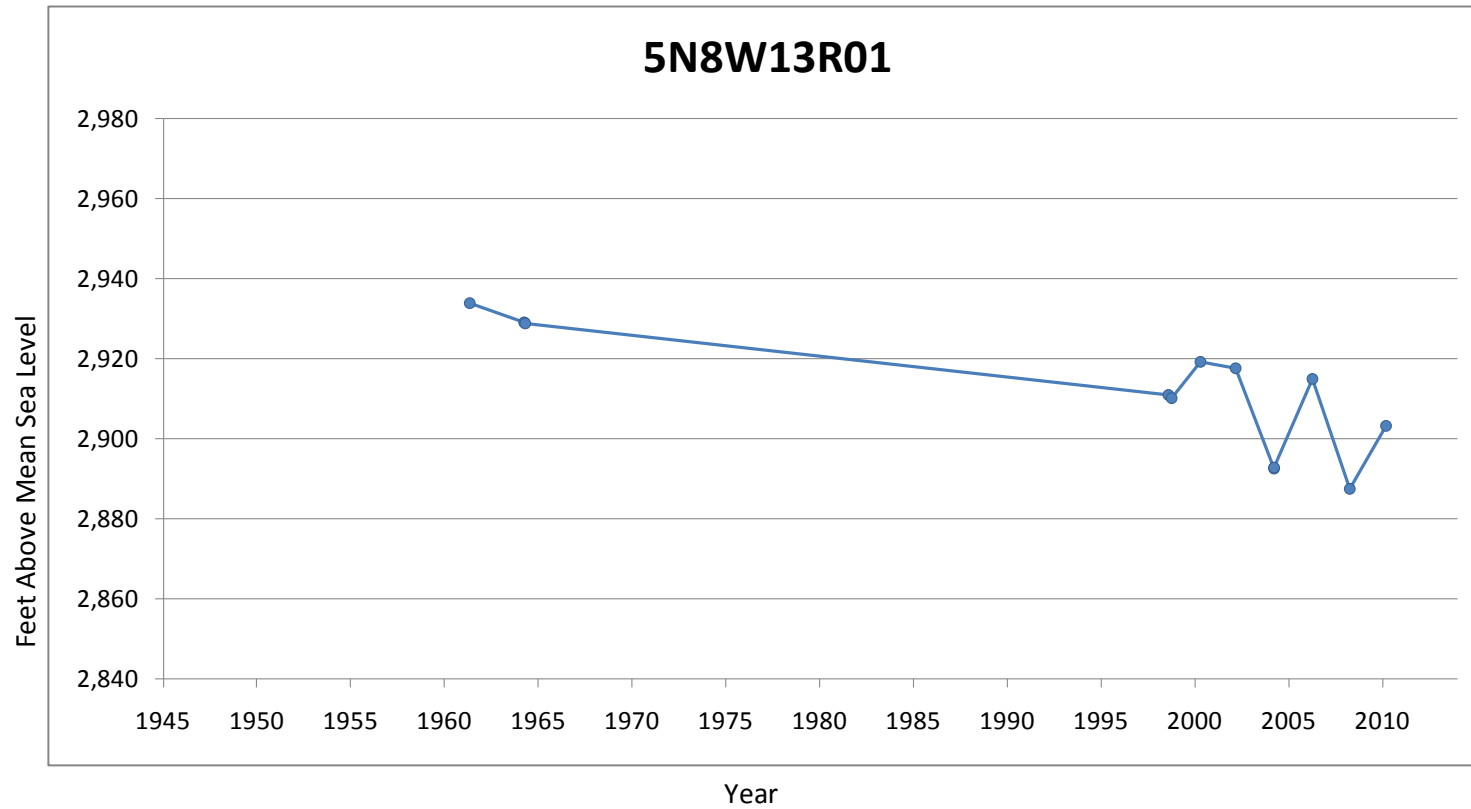
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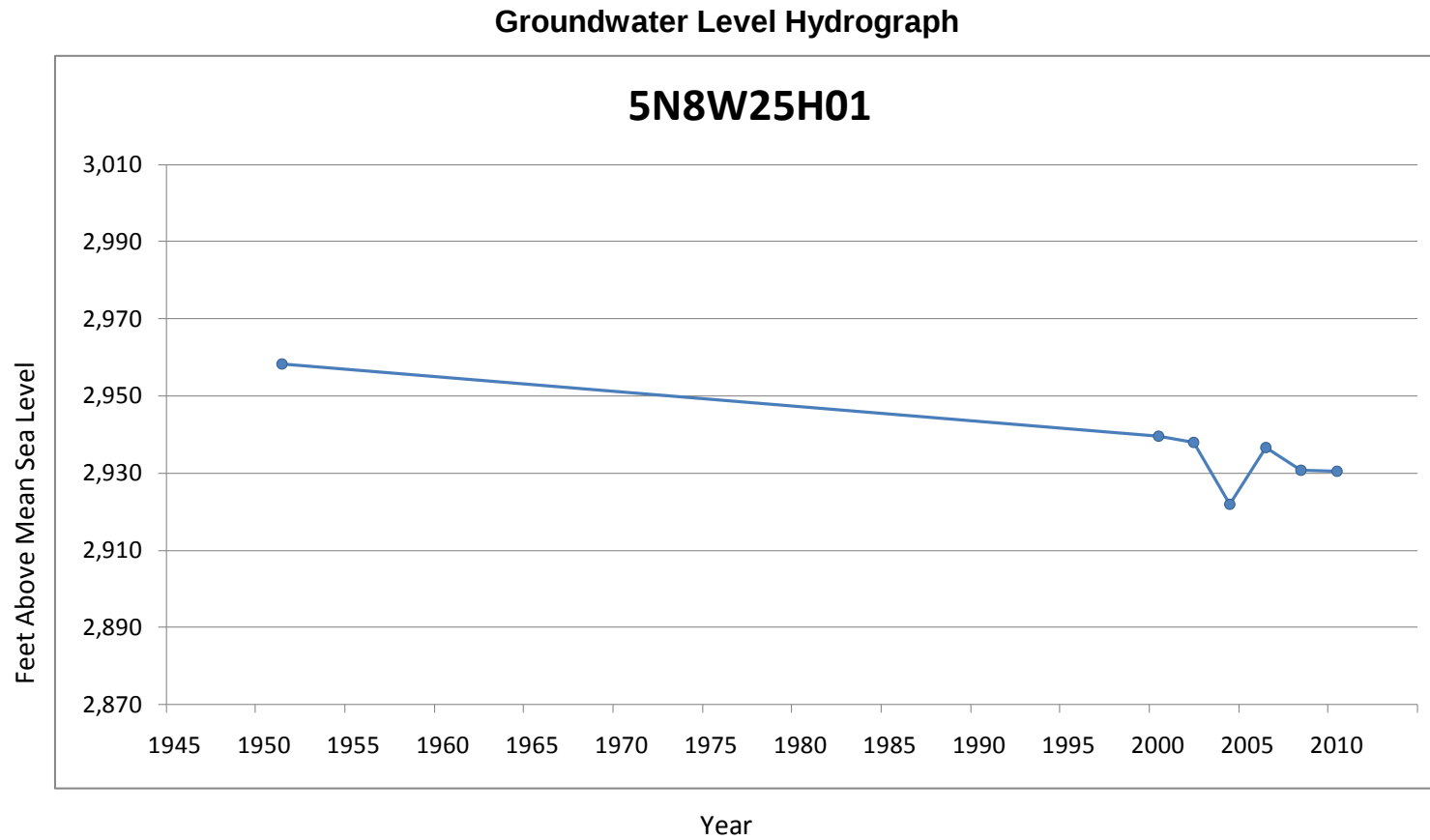


Groundwater Level Hydrograph

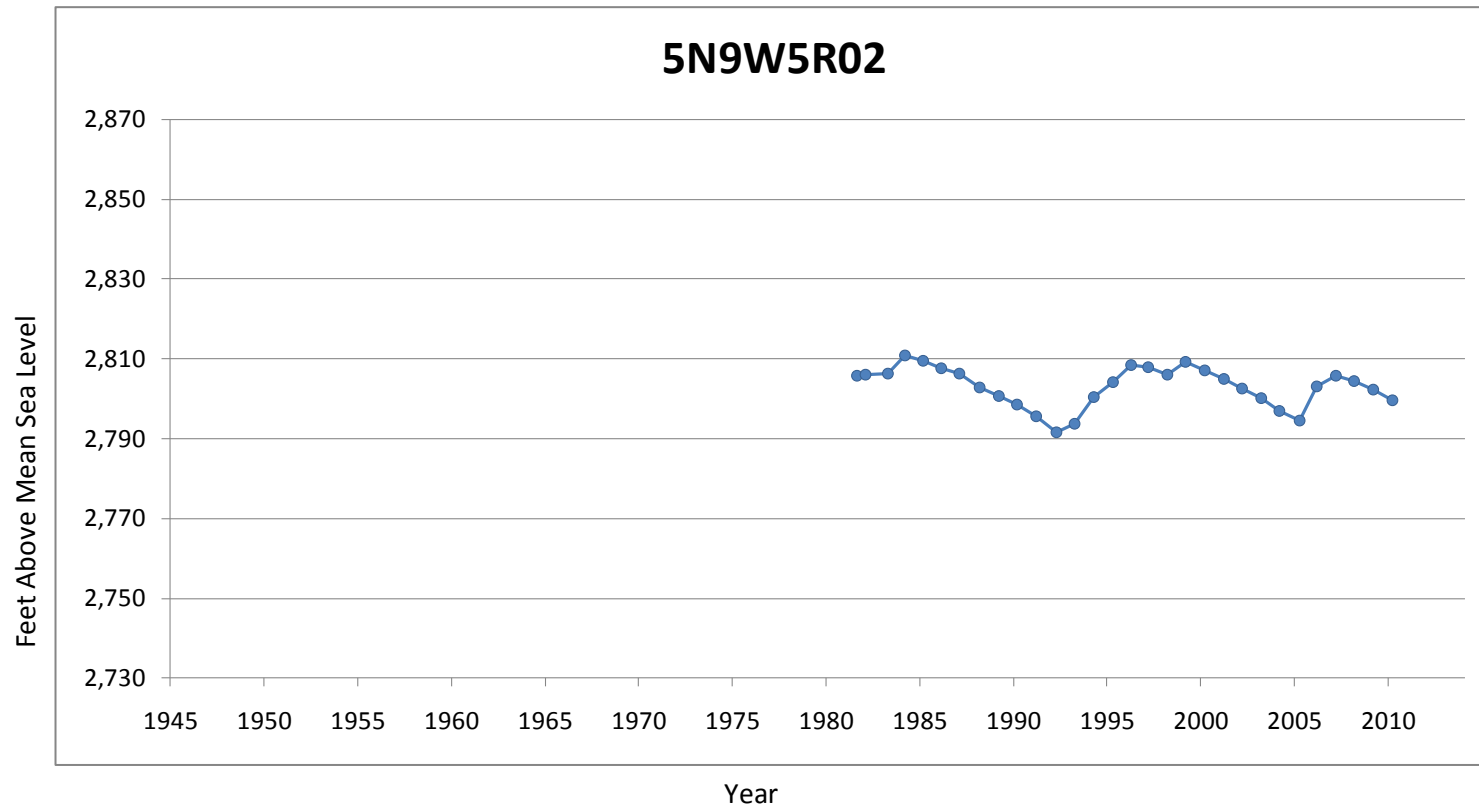


Groundwater Level Hydrograph

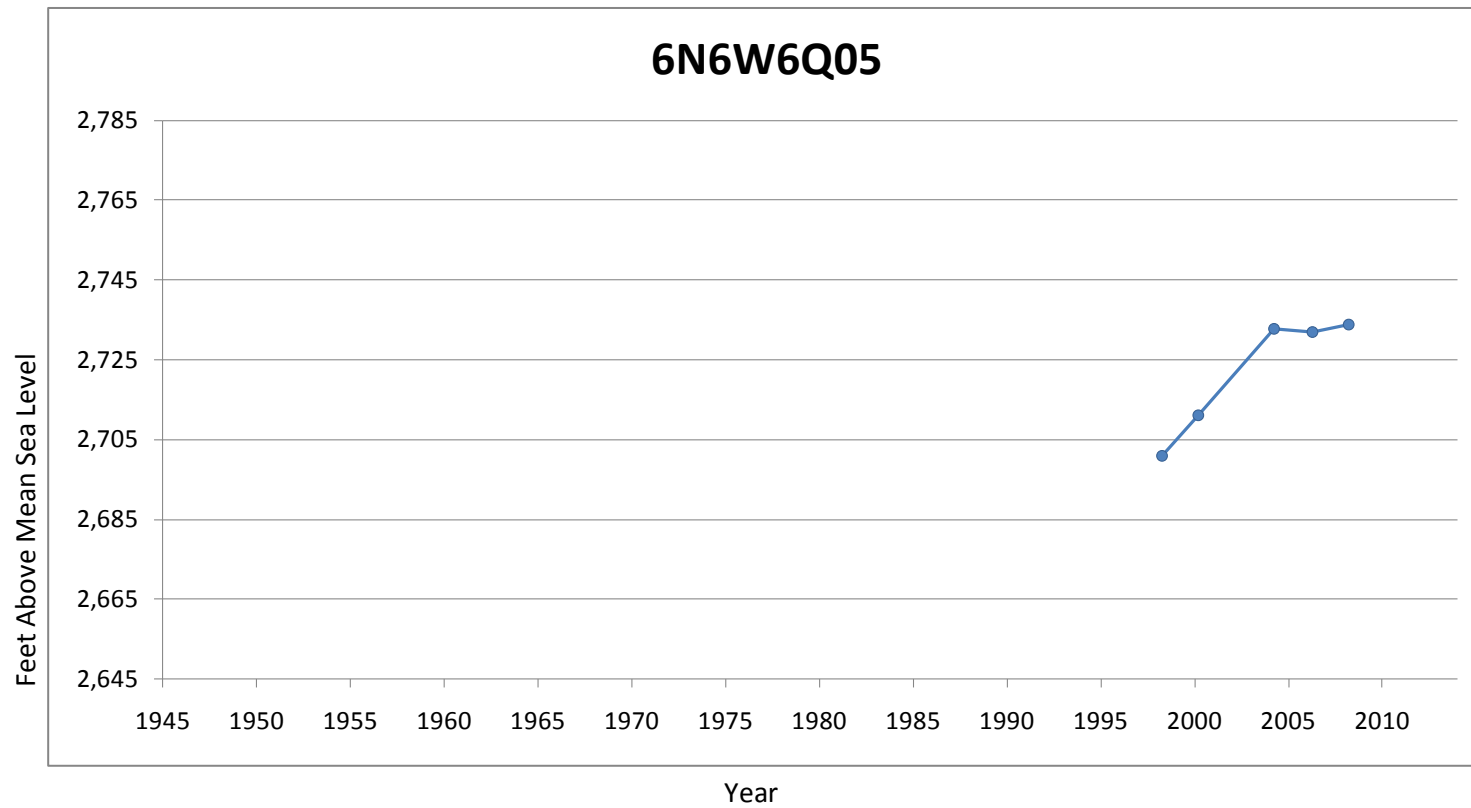




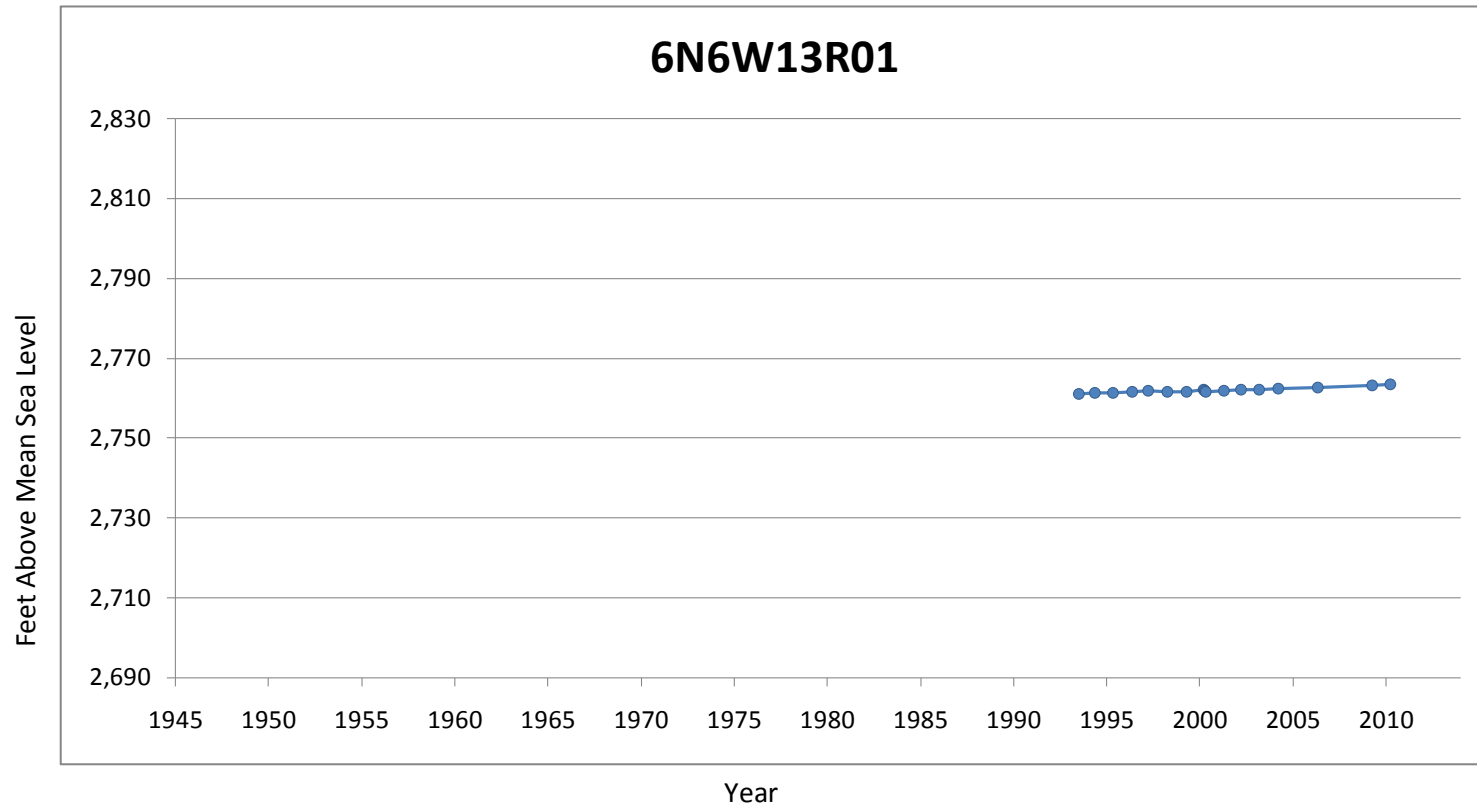
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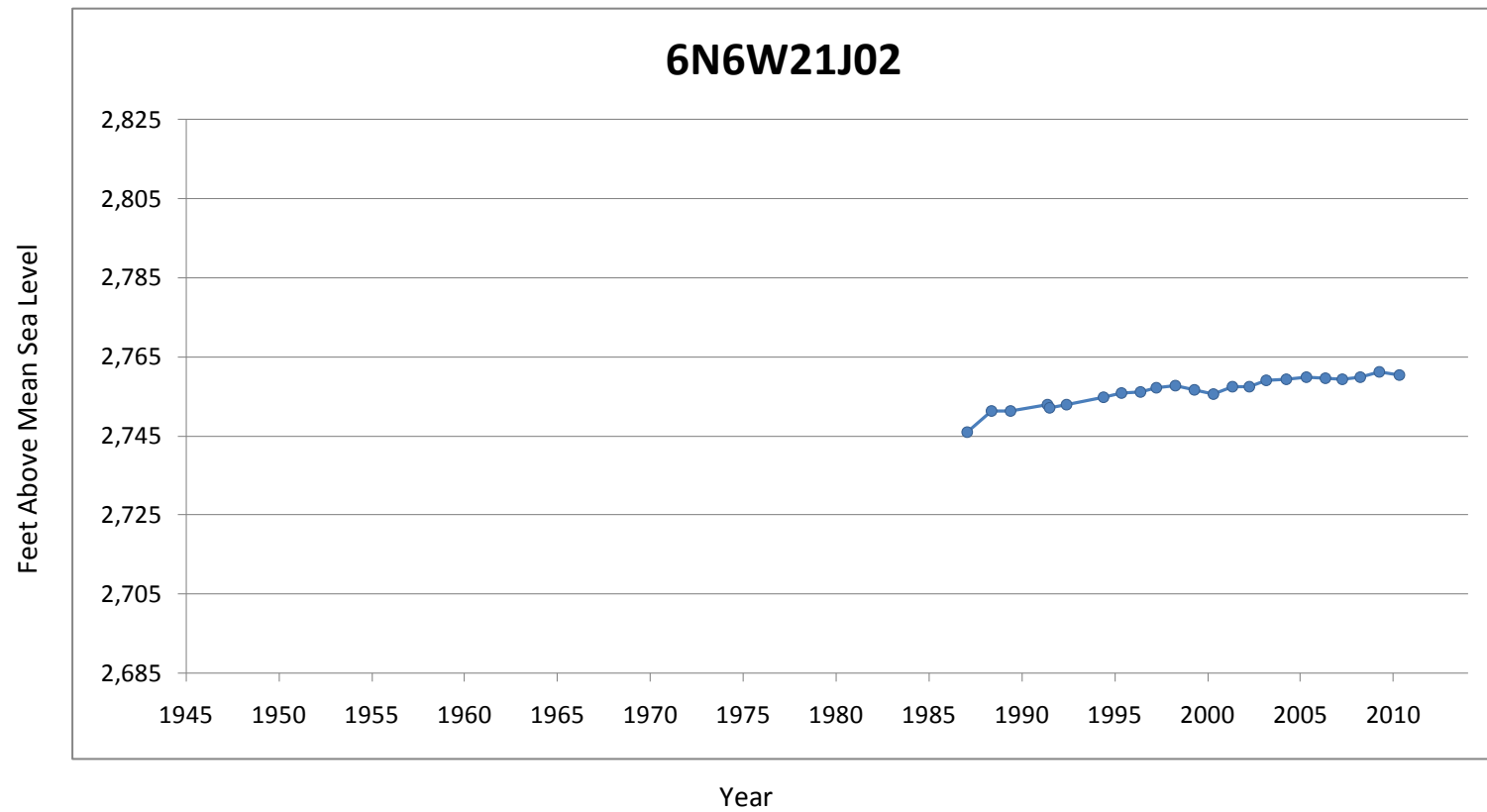
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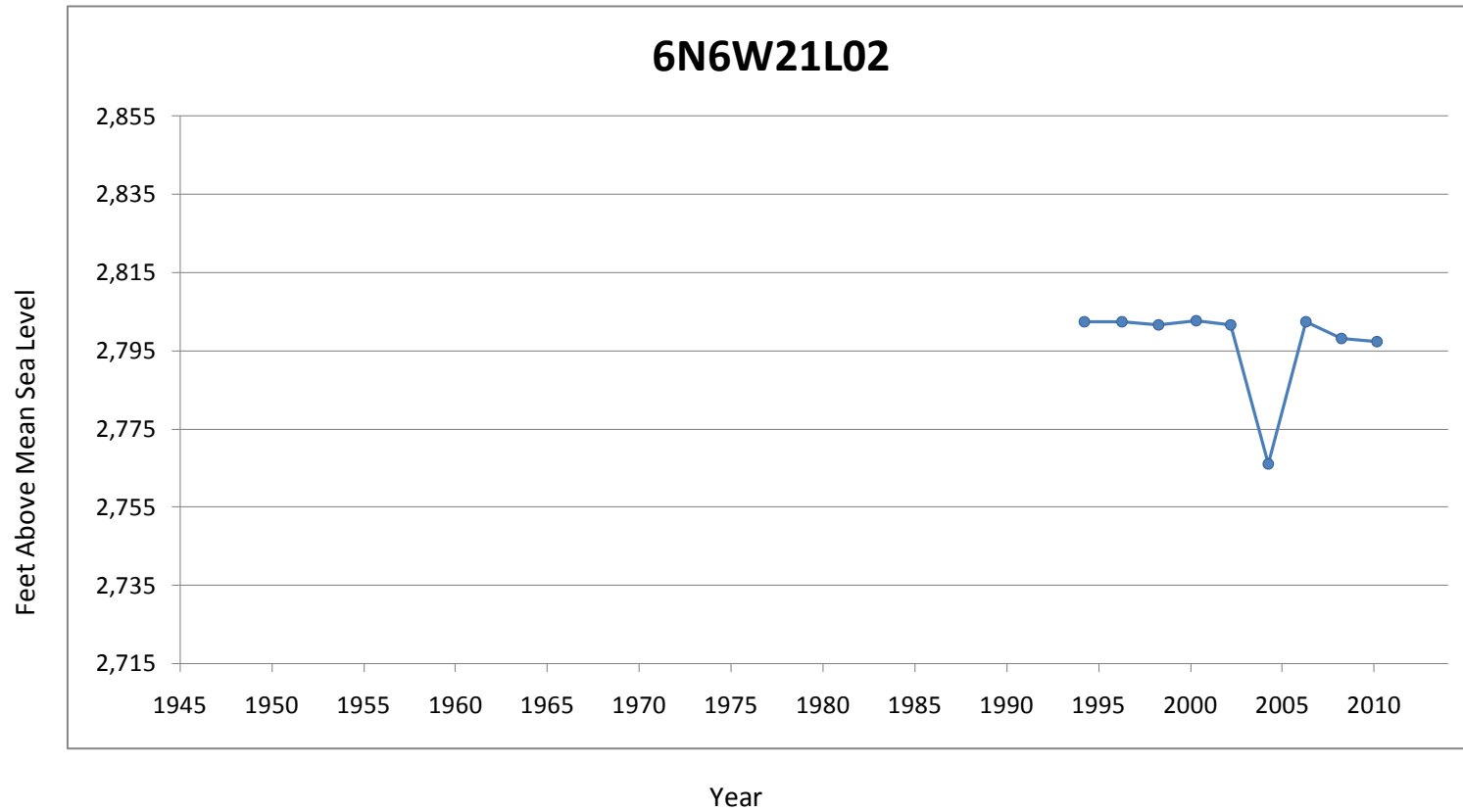
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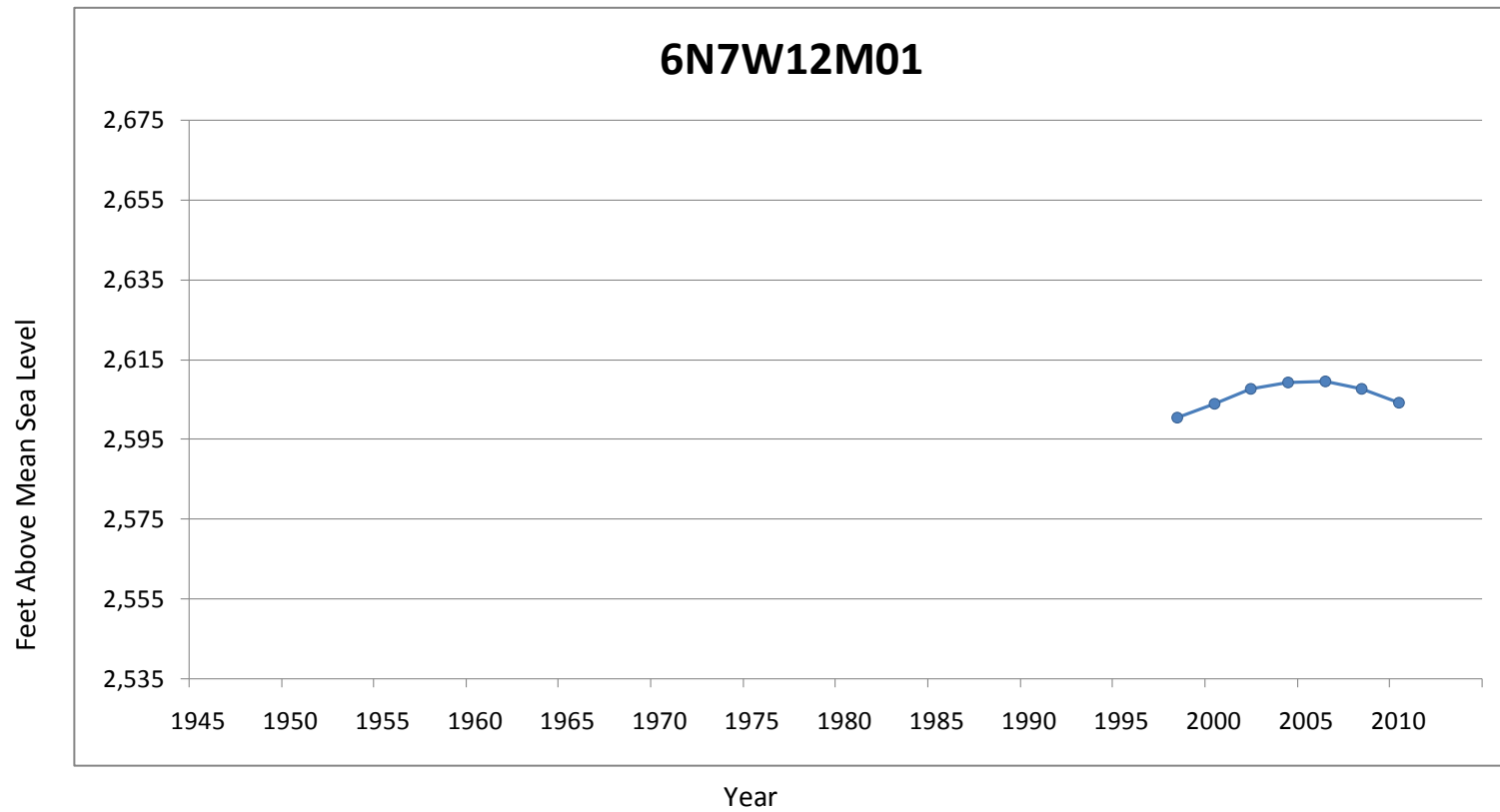
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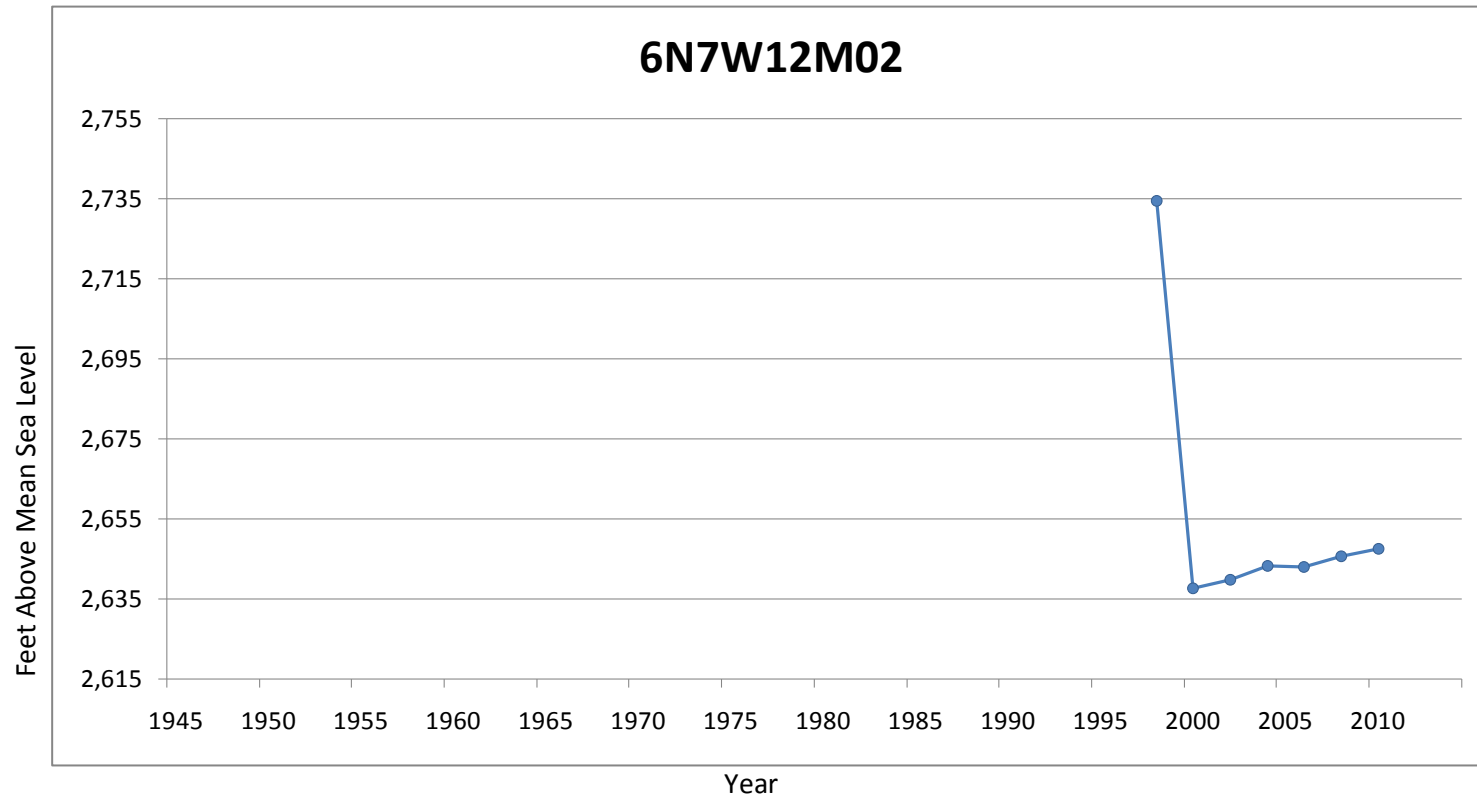
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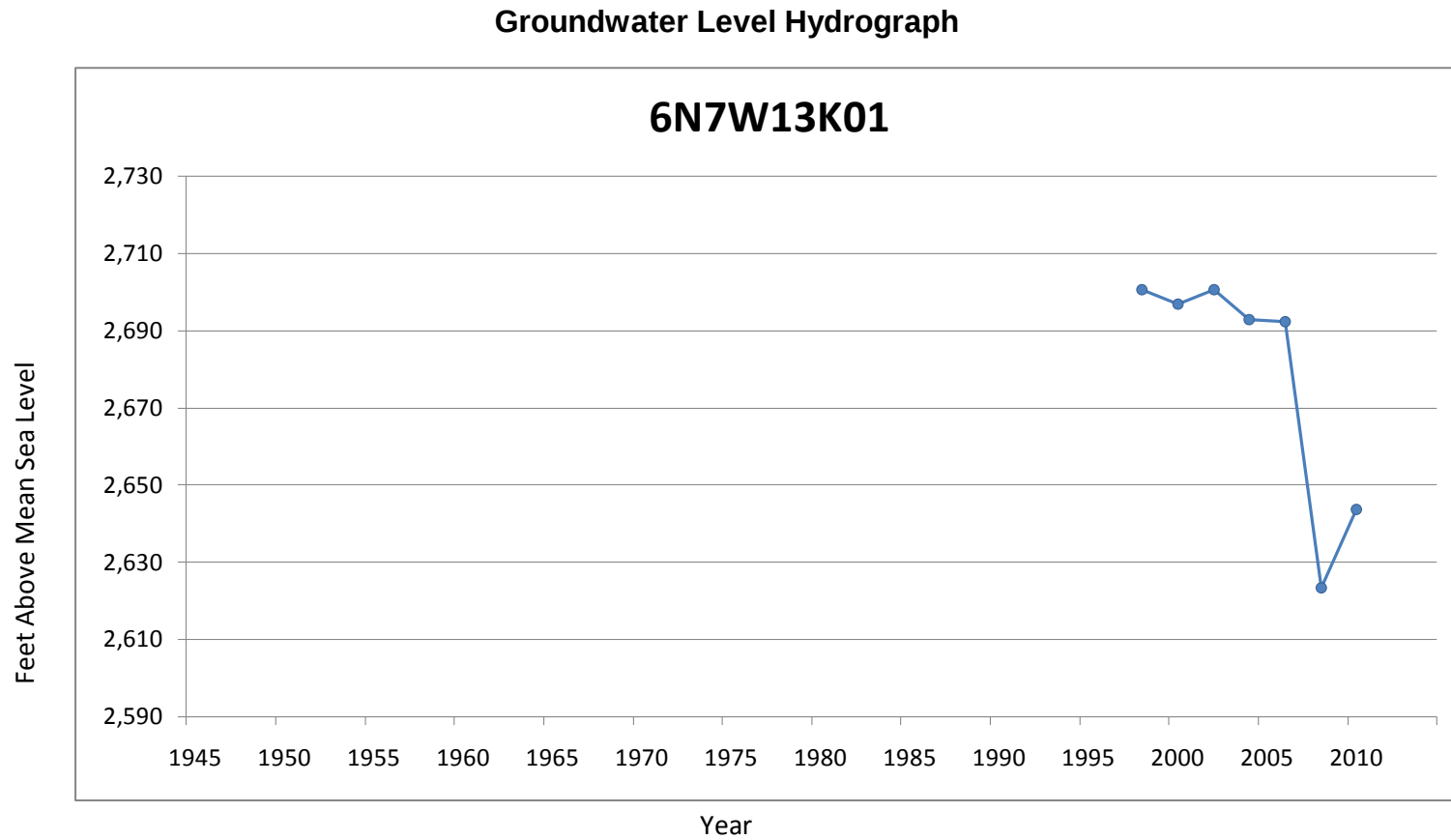


Groundwater Level Hydrograph

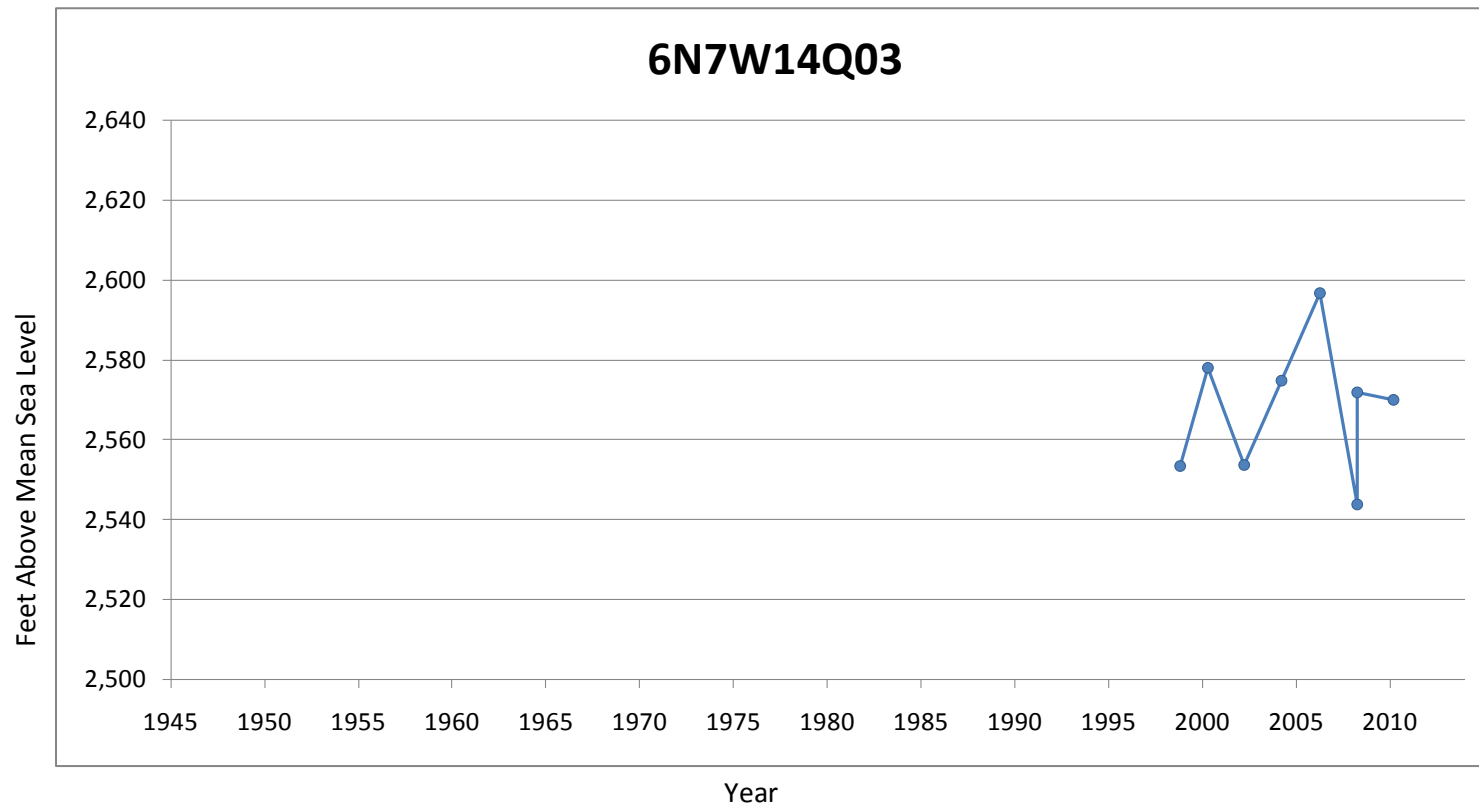


Groundwater Level Hydrograph

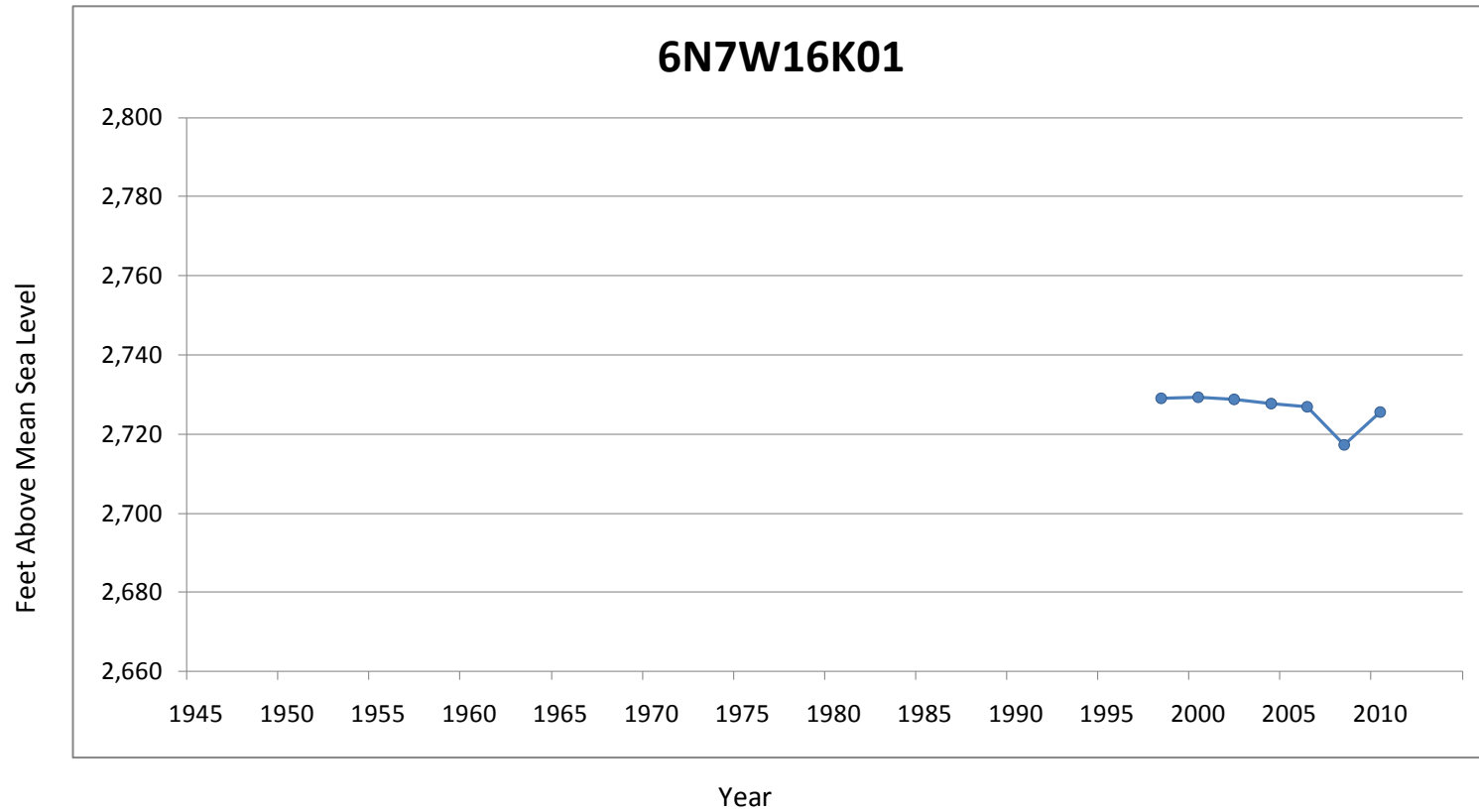




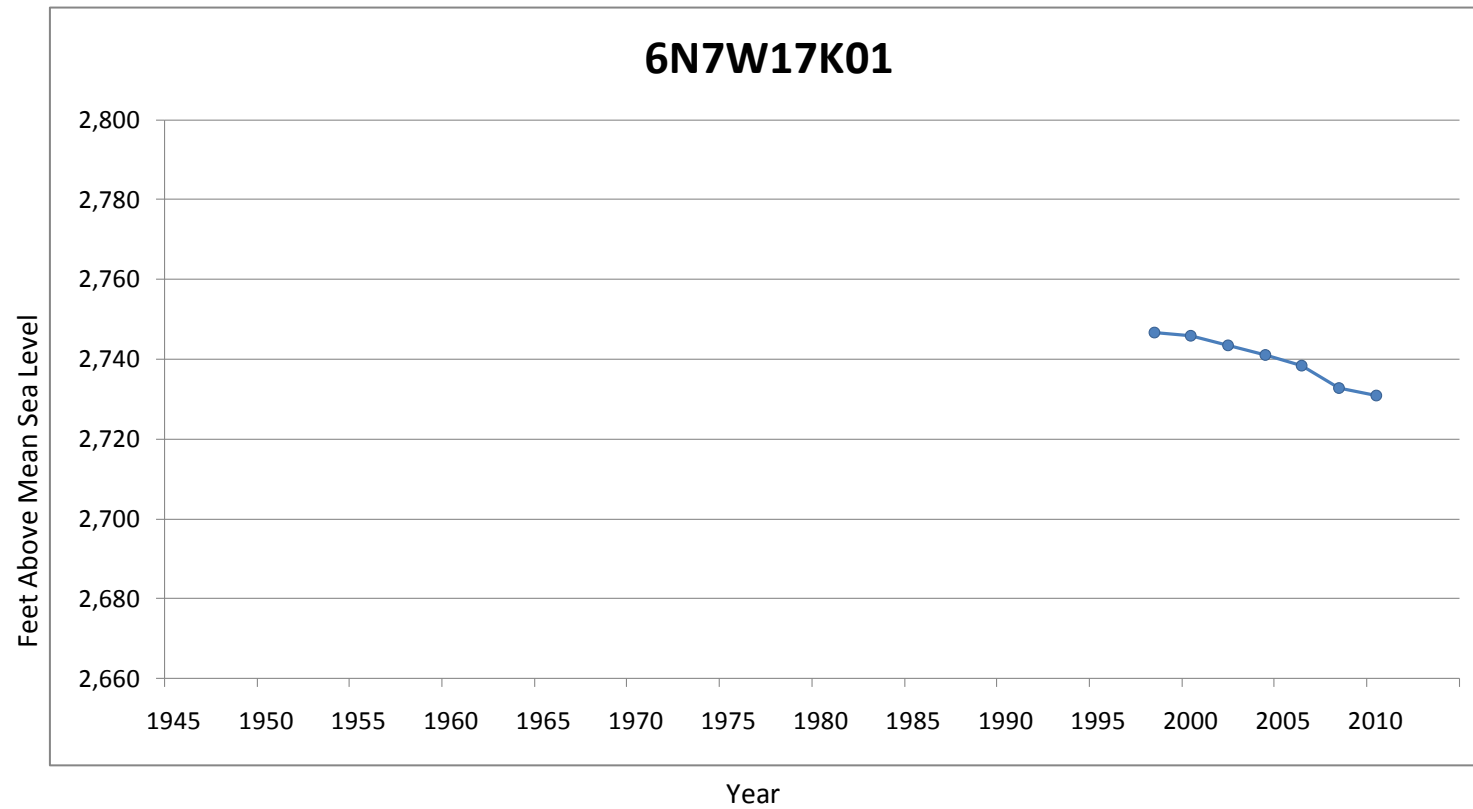
Groundwater Level Hydrograph



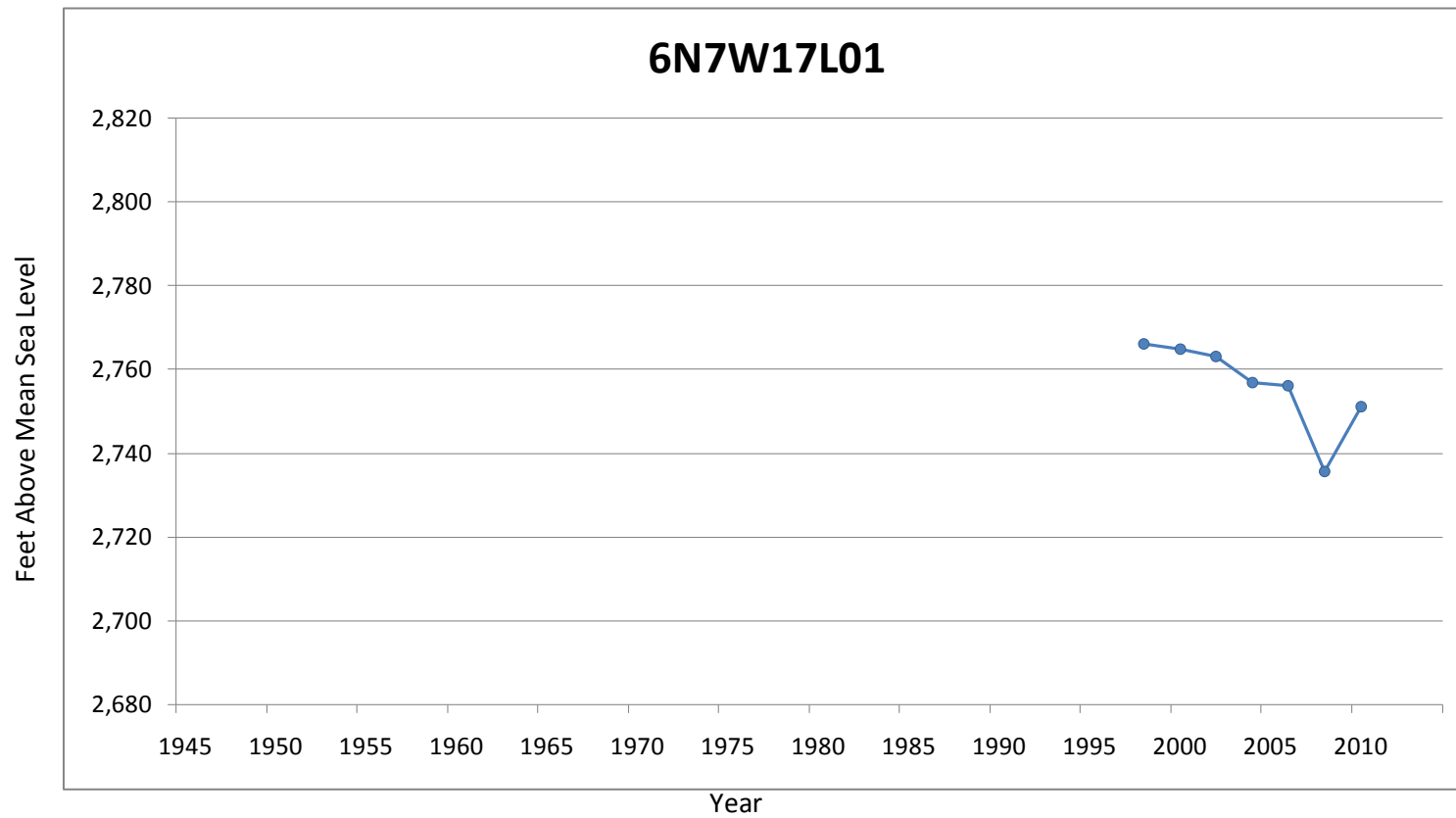
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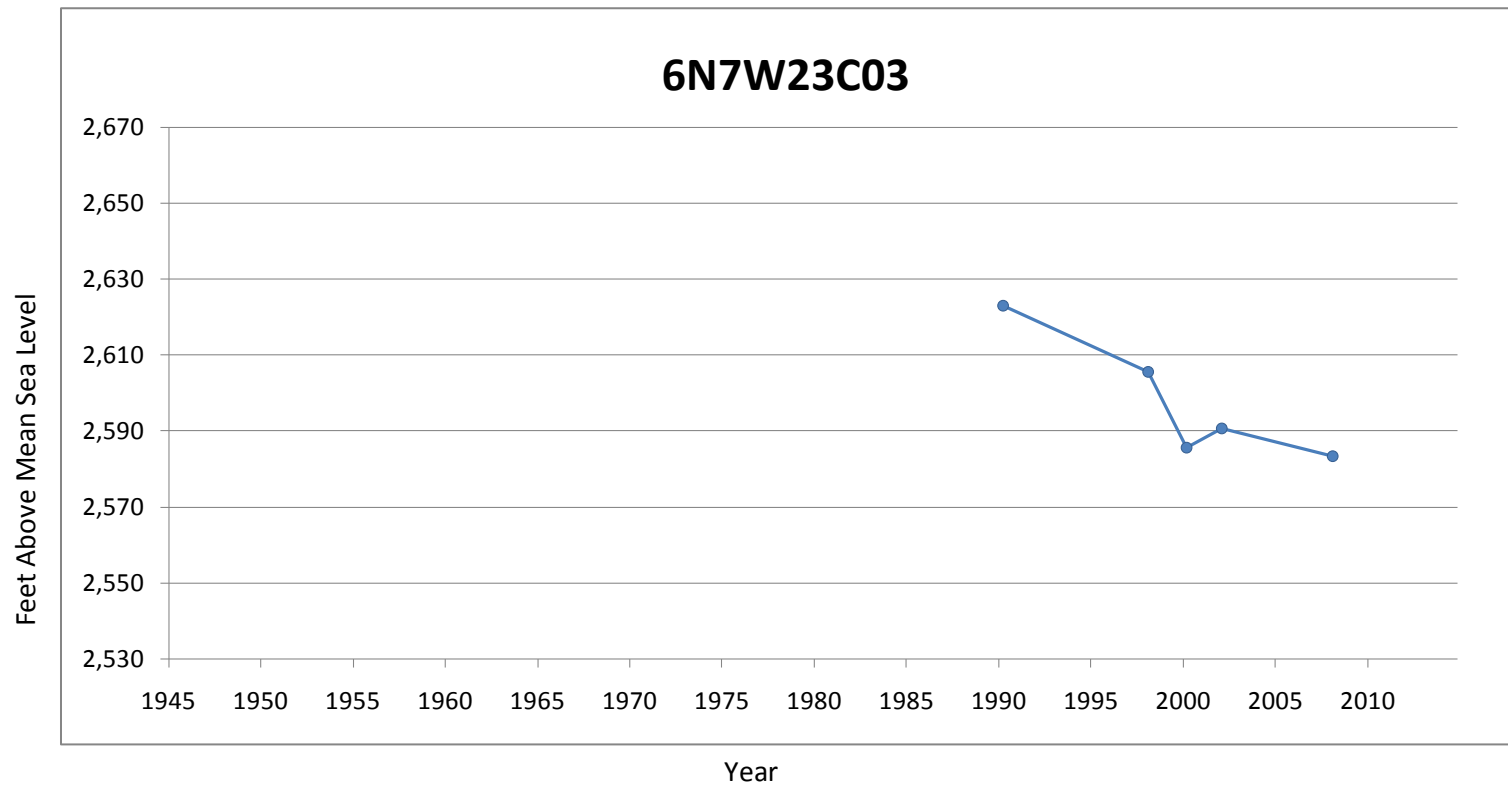
Groundwater Level Hydrograph



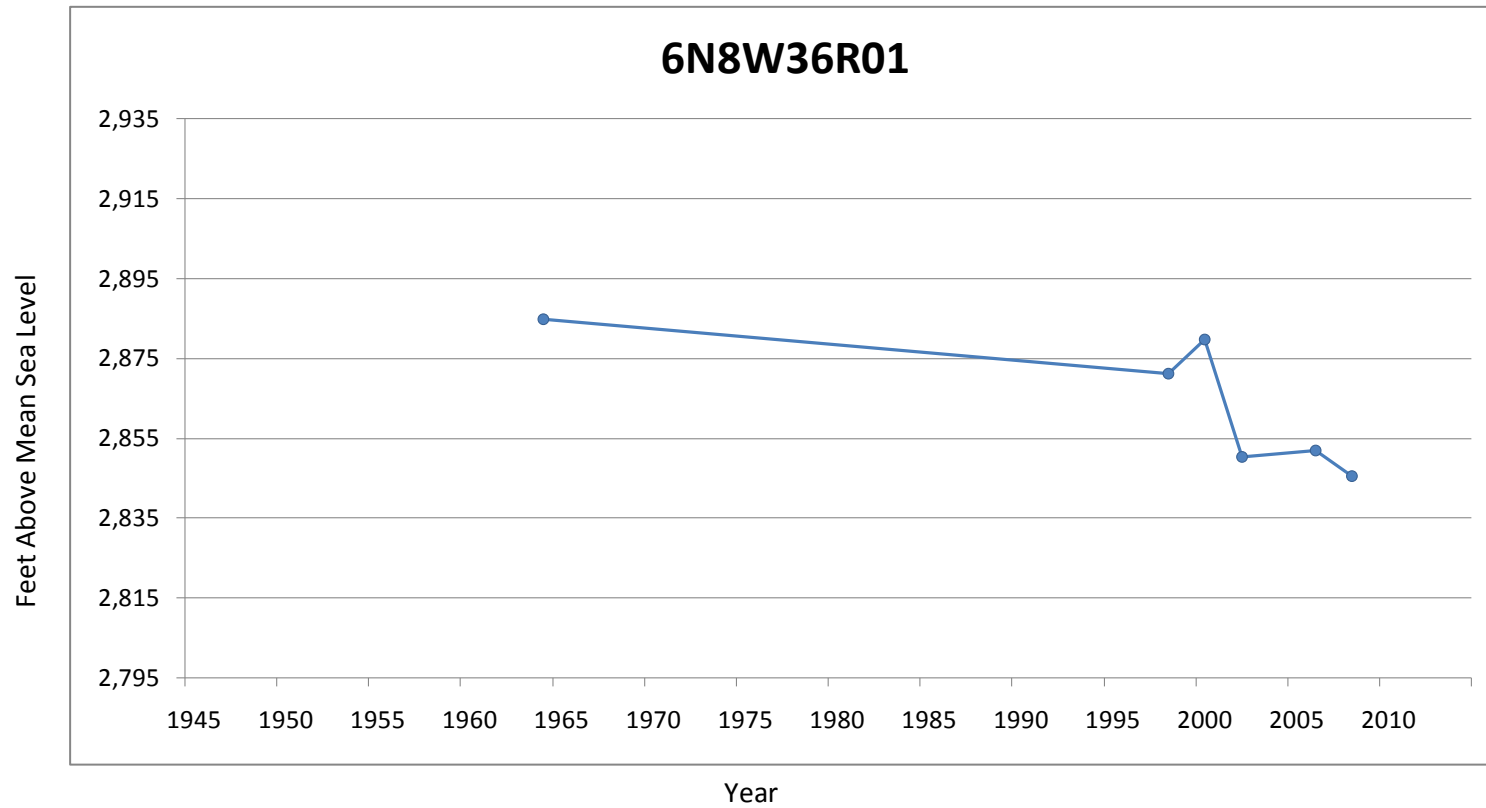
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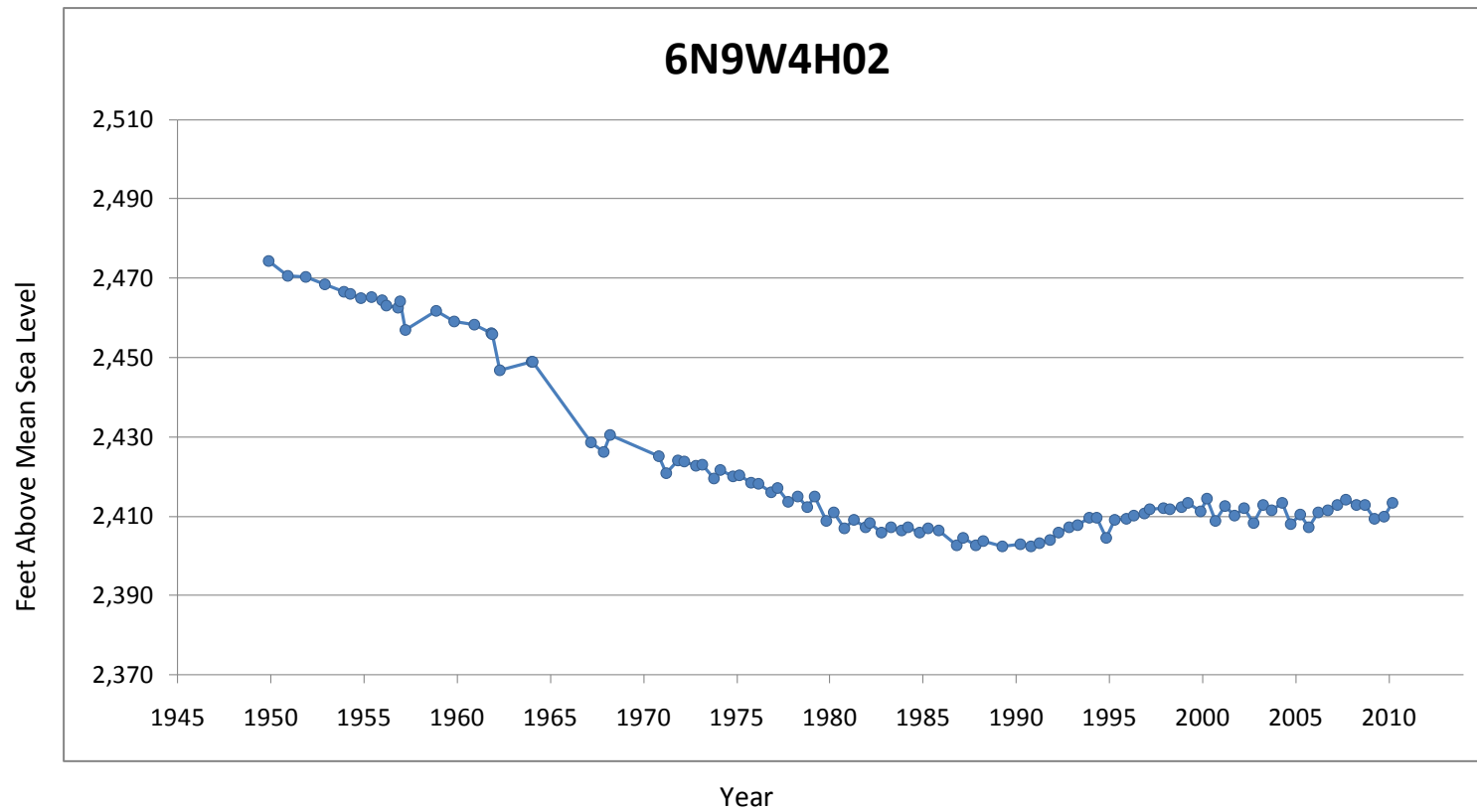
Groundwater Level Hydrograph



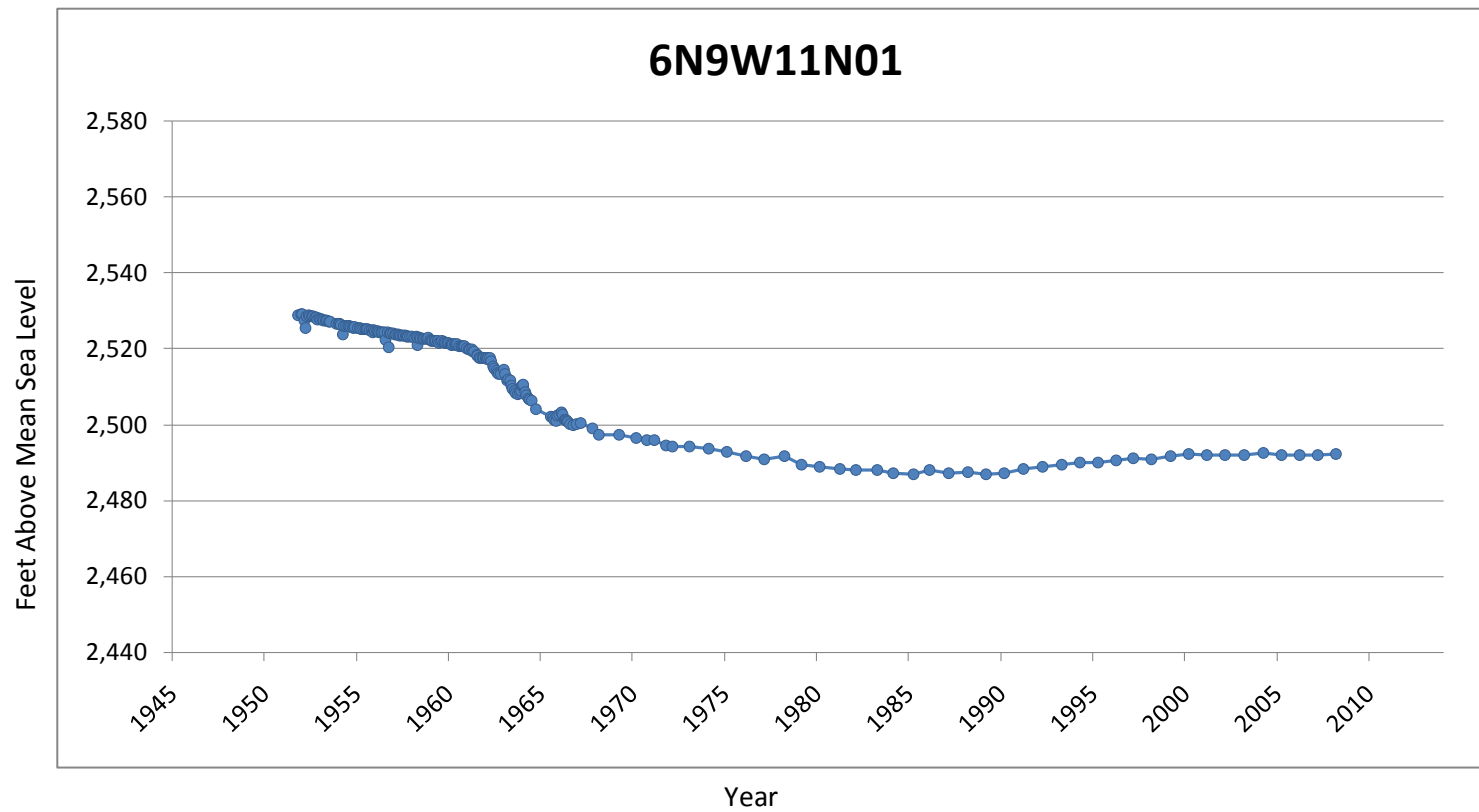
Groundwater Level Hydrograph



Groundwater Level Hydrograph



Groundwater Level Hydrograph



Groundwater Level Hydrograph

