

GWSI Water Level Change Data for the San Simon Valley Sub-basin

ADWR Hydrology Division

6/1/2015

Information on Preliminary and Final ADWR GWSI Water Level Data Pulls

- **Preliminary ADWR GWSI data pull for all water level records for the San Simon Valley (SSI) Sub-basin was on 04/01/2015 (5,686 records)**
- **Final ADWR GWSI data pull for all water level records or the SSI Sub-basin was on 5/21/2015 (5,701 records)**
- **Difference in the number of records between preliminary and final data pulls due to additions and modification to records as per quality control procedures and data verification activities**
- **Preliminary 2007 to 2015 water level change calculations for SSI Sub-basin based on depth-to-water measurements from 288 individual wells measured in both 2007 and 2015**
- **Final 2007 to 2015 water level change calculations reduced to 282 pairs of measurements to eliminate records with remark codes indicating non-standard measurement conditions including:**
 - Dry
 - Well plugged
 - Obstruction
 - Pumping
 - Recently pumped
 - Nearby pumping
 - Nearby recently pumped
 - Undetermined
 - Well destroyed
- **Difference between preliminary and final 2007 to 2015 water level change statistics is negligible**

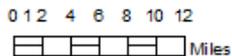
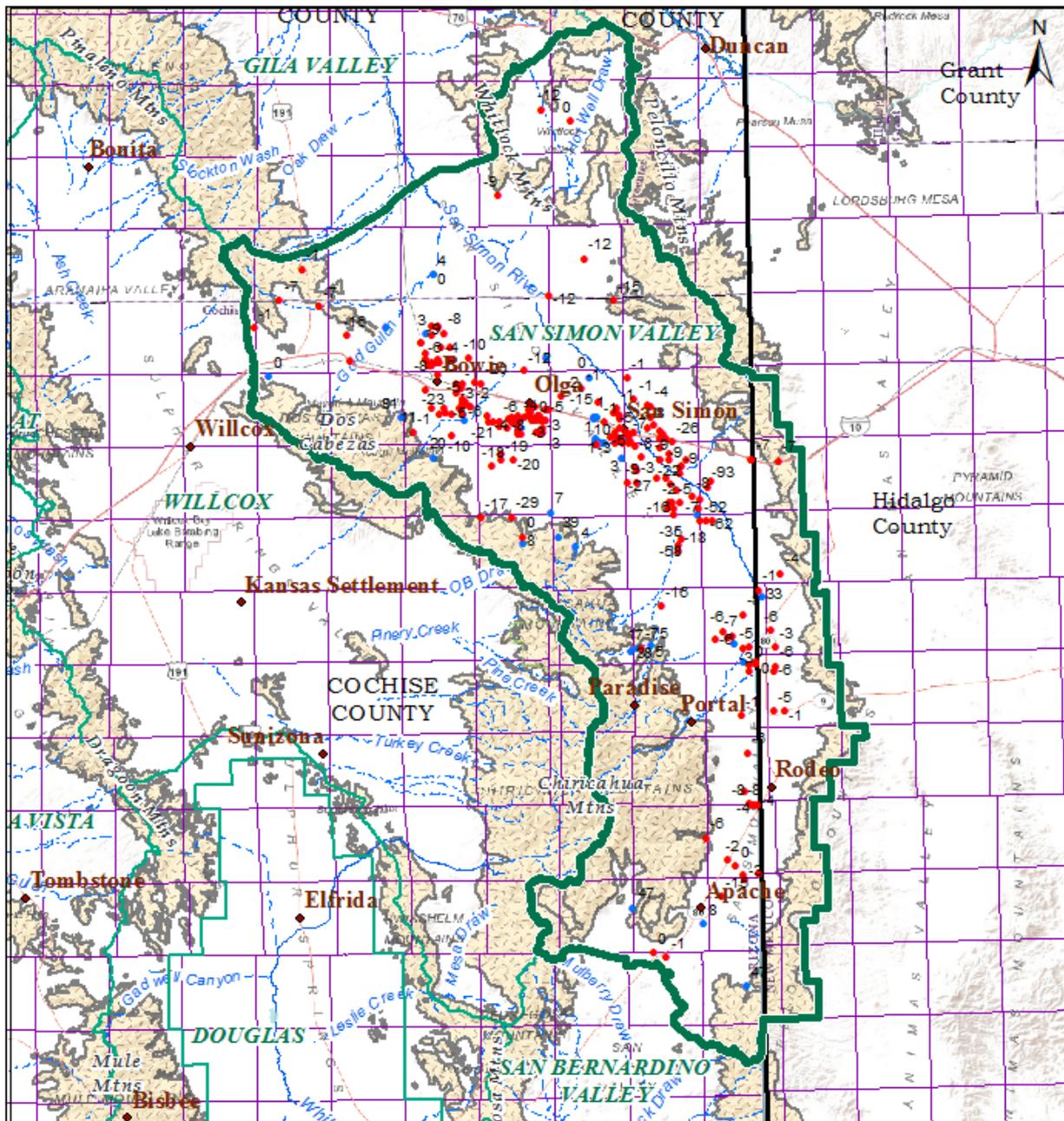
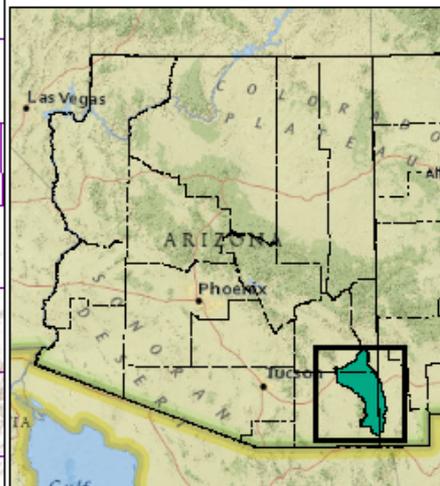
San Simon Valley Sub-Basin

Final Data as Of 5/21/2015

2007 - 2015

San Simon Valley Sub-Basin WL Changes

- Neg. WL Chng (Feet)
- Pos. WL Chng (Feet)
- SanSimonSubBasin_AZNM
- ◆ City or Town
- Township/Range
- Hardrock



2007 – 2015 WL Changes In The San Simon Valley Sub-basin

San Simon Valley Sub-Basin 2007-2015 All GWSI Water Level Changes						
	All WL Changes (Feet)	WL Change Rate (Ft/Yr)	WL Declines (Feet)	WL Change Rate (Ft/Yr)	WL Rises (Feet)	WL Change Rate (Ft/Yr)
Count	288		238		50	
Average	-9.0	-1.1	-13.2	-1.7	11.2	1.4
Median	-5.9	-0.7	-7.5	-0.9	2.9	0.4
Maximum	90.8		-0.1		90.8	
Minimum	-111.1		-111.1		0.0	
Std Dev	18.6		15.8		17.9	

Preliminary Data Subject to Revision (4/1/2015)

Statistic	2007 - 2015 ALL WL Change (Feet)	2007 - 2015 ALL WL Change Rate (Ft/Yr)	2007 - 2015 Negative WL Change (Feet)	2007 - 2015 Negative WL Change Rate (Ft/Yr)	2007 - 2015 Positive WL Change (Feet)	2007 - 2015 Positive WL Change Rate (Ft/Yr)
Well Count	282		236		46	
Average	-9.6	-1.2	-13.5	-1.7	10.5	1.3
Median	-6.2	-0.8	-7.8	-1.0	2.0	0.3
Maximum	90.8		-0.1		90.8	
Minimum	-111.1		-111.1		0.0	
Std. Dev.	18.7		16.1		18.3	

Final Data: 5/21/2015