

McMullen Valley Basin - Index Well Data			As of 12-31-2019 J. Daly																						
Index			Depth to Water, feet												Change in Depth to Water										
Well #	Location	Notes	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009		
500248	3.5 mi ESE of Aguila	Stable / Dropping slowly	688.6	690.6	688.1	686.8	684.3	679.4	687.3	676.6	678.2	671.5	672.5	668.2	2.0	-2.5	-1.3	-2.5	-4.9	7.9	-10.7	1.6	-6.7	1.0	-4.3
546173	WSW of Aguila (Gladden)	Dropping very slowly	549.1	548.3	547.1	546.2	545.4	555.3	545.4	543.3	541.5	538.3	538.4	538.1	-0.8	-1.2	-0.9	-0.8	9.9	-9.9	-2.1	-1.8	-3.2	0.1	-0.3
604129	In Aguila	Stable / Rising	579.1	575.8	577.6	574.4	578.1	574.1	578.6	573.9	577.5	566.5	568.4	567.0	-3.3	1.8	-3.2	3.7	-4.0	4.5	-4.7	3.6	-11.0	1.9	-1.4
604136	4 mi W. of Aguila	Stable (sporadic data)				483.5			482.6								-0.9								
604150	6 mi W. of Aguila	Large fluctuations	377.3	378.0	382.6	376.5	372.0	379.4	384.6	374.0	362.1	360.9	361.8	360.9	0.7	4.6	-6.1	-4.5	7.4	5.2	-10.6	-11.9	-1.2	0.9	-0.9
612679	S of Pete Rd @ 527th Ave	Relatively stable	648.2	646.3	646.1	644.9	644.8	644.4	643.4	642.8	640.3	638.8	641.0	645.2	-1.9	-0.2	-1.2	-0.1	-0.4	-1.0	-0.6	-2.5	-1.5	2.2	4.2
614493	Jackrabbit Wash	Stock tank, stable	258.4	258.3	258.2	no data	258.1	258.5	258.8	258.9	259.5	259.2	259.4	259.9	-0.1	-0.1	-0.1		0.4	0.3	0.1	0.6	-0.3	0.2	0.5
614563	12 mi ENE of Aguila	Stable / Rising	/1	410.9	411.1	409.7	411.3	411.1				411.0	411.5	417.8		0.2	-1.4	1.6	-0.2	0.1				0.5	6.3
614567	NW of Aguila	Relatively stable	560.0	559.0	557.7	557.2	546.7	551.9	552.7	552.5	550.5	549.7	549.9	548.3	-1.0	-1.3	-0.5	-10.5	5.2	0.8	-0.2	-2.0	-0.8	0.2	-1.6
640729	N of Aguila	Pumping 2015 - 2018			574.2	577.4	565.0		556.2	496.1	559.3	559.2	558.5	563.7			3.2	-12.4	-8.8		-60.1	63.2	-0.1	-0.7	5.2
647309	9 mi E of Aguila, Hwy 60	Relatively stable	491.3	487.8	490.1	487.9	487.9	488.2	487.8	487.2	492.9	492.6	490.5	487.9	-3.5	2.3	-2.2	0.0	0.3	-0.4	-0.6	5.7	-0.3	-2.1	-2.6
807721	5 mi ENE of Aguila	Dropping very slowly	639.6	637.6	636.9	635.1	634.2	632.9	631.5	630.7	629.6	628.7	627.6	626.0	-2.0	-0.7	-1.8	-0.9	-1.3	-1.4	-0.8	-1.1	-0.9	-1.1	-1.6
														AVGs >	-1.1	0.3	-1.4	-2.5	0.3	0.6	-9.0	5.5	-2.6	0.3	0.3
Notes:																									
These are the index wells in our area that I'm tracking, in order to see the effects of the farm pumping in this area.																						2016 well measurement dates: Oct - Jan			
Normally, well sweeps in this area (measurement of depth to water) are done near the end of the year.																						2017 well measurement dates: Oct 23-30			
Three of the wells are not measured every year, hence the missing data. The 640729 readings for 2012/13 look like possible errors.																						2018 well measurement dates: Oct 15-29			
Some wells are in use, most are not. But all are utilized to measure depth to the aquifer level in that area.																						2019 well measurement dates: Oct 28-30			
The McMullen Valley Basin stretches from just east of Forepaugh to just west of Salome.																									
In 2004, the aquifer was estimated to contain approx 15.1 million acre-feet, with an annual recharge of ~1000 acre-feet.																									
The recent estimates of annual water usage (done by the USGS) in the McMullen Valley has been: Agricultural: 47,000 a-f, Domestic: 300 a-f. Updated @ 5-yr intervals, next is in 2020.																									
I have added individual well history / comments on page 2.																									
/1 Locked-gate Oct 2019, no access by ADWR to do the well sweep.																									
Updated 12/31/19																									