



Sierrita Operations  
Environment, Land & Water Department  
6200 W Duval Mine Road  
PO Box 527  
Green Valley, AZ 85622-0527

March 30, 2023

**Via Email**

Bret Esslin  
Arizona Department of Environmental Quality  
Water Quality Compliance Section  
1110 West Washington Street  
Phoenix, Arizona 85007-2935

**Re: Mitigation Order on Consent Docket No. P-50-06  
Reporting Year 2022 Mitigation Facilities Monitoring Report**

Dear Mr. Esslin:

In accordance with Section 5.1.1 of the Mitigation Plan<sup>1</sup>, Freeport-McMoRan Sierrita Inc. (Sierrita) submits the enclosed *Mitigation Facilities Monitoring Report* for reporting year 2022.

Prior to March 2015, Sierrita has submitted this report annually under the title of *Well Field Operations Monitoring Report*, which Sierrita agreed to submit in the Mitigation Plan approval deferral letter sent to ADEQ on March 18, 2009<sup>2</sup>.

Please do not hesitate to contact me at (520) 393-2014 if you have any questions regarding this submittal.

Sincerely,

A handwritten signature in blue ink that reads 'William Hart'.

William Hart  
Sr. Environmental Scientist

WH:  
20230330\_001

xc: Dave Gosen, Freeport-McMoRan Inc.  
Jim Norris, Clear Creek Associates

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<sup>1</sup> Clear Creek Associates. 2013. Mitigation Plan for Sulfate with Respect to Drinking Water Supplies in the Vicinity of the Freeport-McMoRan Sierrita Inc. Tailing Impoundment, Mitigation Order on Consent Docket No. P-50-06. December 18, 2013.

<sup>2</sup> Correspondence from Chad D. Fretz, Sierrita, to Cynthia S. Campbell, ADEQ Water Quality Compliance Section, Re: Mitigation Order on Consent Docket No. P-50-06 - Mitigation Plan. March 18, 2010.

**TECHNICAL MEMORANDUM REPORT**



**TO:** Mr. William Hart, R.G.  
Senior Environmental Scientist  
Freeport--McMoRan Sierrita Inc.  
6200 West Duval Mine Road  
Post Office Box 527  
Green Valley, AZ 85622-0527

**FROM:** BasinWells Associates, PLLC

**PREPARED BY:** Buck Schmidt, Principal Hydrologist  
BasinWells Associates, PLLC

**REVIEWED BY:** Martin J. Rex, R.G.,  
BasinWells Associates, PLLC

**DATE:** March 28, 2023

**PROJECT NO.:** 20-006

**SUBJECT:** 2022 Freeport – McMoran-Sierrita Inc. - Mitigation Facilities Monitoring Report.

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**1.0 INTRODUCTION**

This Mitigation Facilities Monitoring Report documents groundwater pumping for the Freeport-McMoRan Sierrita Inc. (Sierrita) Sulfate Mitigation Action Well Field (Well Field) under the *Mitigation Plan for Sulfate with Respect to Drinking Water Supplies in the Vicinity of the Freeport-McMoran Sierrita Inc. Tailing Impoundment, Mitigation Order on Consent, Docket No. P-50-06* (Clear Creek Associates PLC, 2013). This report describes wellfield and conveyance operational conditions for calendar year 2022 and consists of data for pumping system availability, well pumping rates, and total system pumping. The actual system pumping is compared to design specifications to assess the mitigation facilities with respect to their mechanical capacity to pump and convey the required volumes of water.

The Well Field consists of two major parts: the Interceptor Well Field and the Mitigation Well Field. The Interceptor Well Field currently consists of 26 active interceptor wells (IWs). The Mitigation Well Field consists of four plume stabilization (PS) wells, four mass capture (MC) wells, and six focused feasibility study (FFS) wells. The PS, MC, and FFS wells were installed between 2011 and 2013 with full operation occurring in early 2014. The locations of the wells of the Well Field are shown on Figure 1. Table 1







**TABLE 1. SIERRITA SULFATE MITIGATION ACTION WELL FIELD CONSTRUCTION INFORMATION**

Well	Cadastral Location	ADWR Reg. No. (55-)	2021-2025 Performance Goal Pumping Rates (gpm)	Target Pumping Rates (gpm)	Well Depth (ft)	Well Dia. (in.)	Borehole Diameter (in.)	Casing Material	Upper Screen Depth (ft bls)	Lower Screen Depth (ft bls)	Pump Gallery?/Interval (ft bls)	Current Pump Setting (ft bls)	Filter Pack Material	Basinfill Alluvium Base Depth (ft bls)	Drill Year	Well Age
IW-1	D-18-13 29DCD	623129	250	250	855	14		STEEL	234	843	No	480	GRAVEL	760	1978	44.7
IW-2A	D-18-13 28CCC	216464	300	300	1051	14	20	STEEL	350	1031	600-640	620	GRAVEL	1020	2008	15.0
IW-3A	D-18-13 28CBC	201732	500	500	1052	14	20	STEEL	400	1030	No	540	GRAVEL	820	2004	19.2
IW-8	D-18-13 28BCC	508236	350	350	783	14	20	STEEL	382	783	No	540	GRAVEL	759	1984	38.7
IW-9	D-18-13 28BCC	508238	200	200	853	14	20	STEEL	412	853	No	605	GRAVEL	740	1984	38.7
IW-4	D-18-13 28BCB	623132	40	40	946	14		STEEL	312	946	No	600	GRAVEL	490	1978	44.7
IW-24	D-18-13 28BBB	200556	50	50	884	14	20	STEEL	348	860	No	602	GRAVEL	410	2004	19.2
IW-5A	D-18-13 28BBB	219131	40	40	900	14.5	20	STAINLESS STEEL	382	890	620-640	630	TACNA	436	2010	12.9
IW-23	D-18-13 21CCB	200555	120	120	964	14	20	STEEL	375	935	No	550	TACNA	420	2004	19.2
IW-10	D-18-13 21CBC	508237	250	250	831	14	20	STEEL	420	831	No	600	GRAVEL	730	1984	38.6
IW-22	D-18-13 21CBC	200554	300	300	590	14	20	STEEL	359	560	No	550	GRAVEL	550	2004	19.2
IW-11	D-18-13 21CBC	508235	325	325	605	14	20	STEEL	371	605	No	500	GRAVEL	563	1984	38.6
IW-6A	D-18-13 21BCC	545565	80	80	497	12	20	STEEL	356	456	No	460	GRAVEL	456	1994	28.3
IW-12	D-18-13 21BCB	545555	125	125	600	12	20	STEEL	358	560	No	560	GRAVEL	498	1994	28.3
IW-13	D-18-13 21BBC	545556	0	0	497	12	20	STEEL	355	456	No	460	GRAVEL	452	1994	28.3
IW-14	D-18-13 21BBB	545557	60	60	549	12	20	STEEL	357	508	No	520	GRAVEL	509	1994	28.3
IW-15	D-18-13 16CCC	545558	40	40	547	12	20	STEEL	357	506	No	505	GRAVEL	507	1995	28.2
IW-19	D-18-13 16BCC	545562	150	150	540	12	20	STEEL	379	499	No	522	GRAVEL	498	1995	28.2
IW-20	D-18-13 16BCB	545563	0	0	502	12	20	STEEL	380	460	No	460	GRAVEL	470	1995	28.1
IW-21	D-18-13 16BBC	545564	100	100	601	12	20	STEEL	400	560	No	520	GRAVEL	520	1995	28.2
IW-25	D-18-13 28CBD	219596	400	400	782	16	24	STAINLESS STEEL	359	720	No	732	SILICA SAND	475	2010	12.4
IW-26	D-18-13 28BCD	219143	350	350	780	16	24	STAINLESS STEEL	340	720	No	732	SILICA SAND	475	2010	12.4
IW-27	D-18-13 28BBD	219136	100	100	720	14	22	STAINLESS STEEL	380	660	No	672	SILICA SAND	465	2010	12.4
IW-28	D-18-13 21CCA	219137	400	400	760	16	24	STAINLESS STEEL	380	700	No	712	SILICA SAND	680	2010	12.4
IW-29	D-18-13 21CDA	222865	-	-	770	16.62	24	STAINLESS STEEL	440	730	No		SILICA SAND	730	2014	9.0
PS-1	D-18-13 03BBA	220861	700	700	1020	16.62	24	HSLA	560	980	640-680	890	SILICA SAND	914	2011	11.3
PS-2	D-17-13 34CDC	220862	800	800	1130	16.62	24	HSLA	560	1090	640-680	870	SILICA SAND	1090	2012	10.9
PS-3	D-17-13 34CDD	220863	800	800	1200	16.62	24	HSLA	520	1160	600-640		SILICA SAND	1160	2012	10.9
PS-4	D-18-13 03BCA	220864	1000	1000	1060	16.62	24	HSLA	560	1020	640-680	893	SILICA SAND	1020	2012	10.8
MC-1	D-18-13 16DAA	221660	0	900	915	16.62	24	HSLA	479	875	599-639	824	SILICA SAND	875	2013	9.9
MC-2	D-18-13 10CCB	221761	0	700	980	16.62	24	HSLA	479	940	600-640	855	SILICA SAND	940	2013	10.1
MC-3	D-18-13 09AAA	221661	750	600	870	16.62	24	HSLA	530	810	No	830	SILICA SAND	810	2012	10.4
MC-4	D-18-13 04DDC	220842	600	600	830	16.62	24	HSLA	560	770	No	810	SILICA SAND	770	2012	10.7
FFS-1	D-18-13 21ABC	221662	338	800	790	16.62	24	HSLA	448	729	No	753	SILICA SAND	730	2013	10.0
FFS-2	D-18-13 16DCA	221663	300	700	750	16.62	24	HSLA	470	690	No	703	SILICA SAND	680	2013	10.0
FFS-3	D-18-13 16ACD	221664	225	400	800	16.62	24	HSLA	510	740	No	762	SILICA SAND	736	2013	10.2
FFS-4	D-18-13 16ABA	221665	150	200	871	16.62	24	HSLA	540	830	640-680	788	SILICA SAND	830	2012	10.3
FFS-5	D-18-13 09DBA	221666	225	1000	800	16.62	24	HSLA	569	739	No	775	SILICA SAND	740	2012	10.3
FFS-6	D-18-13 09ACA	221667	225	600	830	16.62	24	HSLA	528	769	No	750	SILICA SAND	770	2012	10.4

Notes: ft bls = feet below land surface; in. = inches; HSLA = High Strength Low Alloy Steel



**2.0 WELL FIELD OPERATIONS**

Total groundwater withdrawals in 2022 of the Well Field are tabulated on Table 2. The well field withdrew approximately 16,427 acre-feet (AF) of groundwater in 2022 (average pumping rate of 10,185 gpm).

TABLE 2. 2022 SIERRITA SULFATE MITIGATION ACTION WELL FIELD TOTAL GROUNDWATER WITHDRAWAL	
Total Gallons Pumped:	5,353,049,105
Total Acre-Feet Pumped:	16,427

The Well Field, in total, produced approximately 95.7 percent of the performance goals with respect to potential total groundwater withdrawal considering the 2021-2025 performance goal rates (Table 1) at a 100% duty cycle (total pumping rate of 10,643 gpm or 17,166 AF).

The Well Field, in total, produced approximately 71.1 percent of the target goals with respect to potential total groundwater withdrawal considering the target goal rates (Table 1) at a 100% duty cycle (total pumping rate of 14,330 gpm or 23,113 AF).

Well performance in 2022 on a well-by-well basis is tabulated in Attachment A. Run time percentages of the Interceptor Well Field wells, if active in 2022, ranged from 22 to 93 percent when active. Run time percentages of the Mitigation Well Field wells ranged from 49 to 95. IW-5A, IW-6A, IW-13, IW-14, IW-15, and IW-20 have zero runtime percentages in 2022 due to low flow conditions and are not considered for re-activation and will be used as monitor wells.

Shutdown of wells was required due the following:

- As needed well and transmission line maintenance activities,
- Perform non-pumping monitoring activities,
- Exceedance of storage capacity of the Mill Reservoir.

Well field data plots including a well construction diagram; static and pumping water levels; yield rates; calculated specific capacity; sulfate concentrations; static saturated thickness of basin fill alluvium; and annotated descriptions of maintenance activities from 2014 to 2023 are included in Attachment B.

**3.0 SUMMARY OF WELL MAINTENANCE ACTIVITIES**

Summary of well and pump maintenance activities performed in 2022 are tabulated on Table 3 below. All maintenance activities were performed following collection and evaluation of maintenance monitoring parameters as described in the *Sulfate Mitigation Action Well Field (Well Field) Operation and Maintenance Plan* (BasinWells, 2013).



TABLE 3. 2022 SIERRITA MITIGATION ACTION WELL FIELD SUMMARY OF WELL AND PUMP MAINTENANCE ACTIVITIES		
Well	Approx. Months Off Line for Maintenance and/or Evaluation	Maintenance Activities
IW-3A	Jan-Jul	Well rehabilitated, new pump.
IW-5A	Jan-Dec	Well out of service; monitor well.
IW-11	Apr, Sep-Oct	Well rehabilitated, pump with broken shaft, repaired.
IW-6A	Jan-Dec	Well out of service; monitor well.
IW-13	Jan-Dec	Well out of service; monitor well.
IW-14	Mar-Dec	Well out of service; monitor well.
IW-15	Jan-Dec	Well out of service; monitor well.
IW-20	Jan-Dec	Well out of service; monitor well.
IW-21	Jan-Feb	Well rehabilitated, new pump.
IW-29	Jan	Well rehabilitated, pump rebuilt.
FFS-5	Apr	Pump rebuilt due to gravel influx.
FFS-6	Jan, Dec	Well rehabilitated twice, low flow.

**4.0 FUTURE MAINTENANCE ACTIVITIES**

Future maintenance activities will continue to adhere to activities and frequencies as described in *Sulfate Mitigation Action Well Field Operation and Maintenance Plan* (BasinWells, 2013). All maintenance activities to be performed following collection and evaluation of maintenance monitoring parameters.

Additionally, a replacement and a new well are planned in 2023 for the Mitigation Well Field. The replacement well for FFS-6 will be located about 1,000 feet east of the original well, and will be designated as MC-5. The new well will be located between and east about 1,000 feet of FFS-4 and FFS-5, and will be designated as MC-6. It is anticipated the wells will be activated in the 3<sup>rd</sup> Quarter of 2023.

**5.0 REFERENCES**

BasinWells Associates, PLLC, *Freeport-McMoran Sierrita Inc., Sulfate Mitigation Action Well Field (Well Field) Operation and Maintenance Plan*, December 31, 2013.

Clear Creek Associates, PLC, *Mitigation Plan for Sulfate with Respect to Drinking Water Supplies in the Vicinity of the Freeport-McMoran Sierrita Inc. Tailing Impoundment, Mitigation Order on Consent, Docket No. P-50-06*, December 18, 2013.



ATTACHMENT A

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**SIERRITA SULFATE MITIGATION ACTION WELL FIELD PERFORMANCE SUMMARY**

**BasinWells Associates PLLC**



**ATTACHMENT A.  
SUMMARY OF 2022 INTERCEPTOR WELL PERFORMANCE  
FREEPORT MCMORAN SIERRITA, INC.**

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-1	Jan	12,248,144	726	37.6	281
	Feb	10,950,026	649	33.6	281
	Mar	11,960,072	709	36.7	281
	Apr	11,758,157	697	36.1	281
	May	12,046,777	715	37.0	281
	Jun	11,473,875	681	35.2	281
	Jul	11,813,223	701	36.3	281
	Aug	11,585,674	687	35.6	281
	Sep	10,461,023	620	32.1	281
	Oct	7,505,970	445	23.0	281
	Nov	11,353,636	673	34.8	281
	Dec	12,136,927	720	37.2	281

IW-1 Total Gallons Pumped:	135,293,504
IW-1 Total Acre-Feet Pumped:	415
IW-1 Average Yield Rate (gpm):	281
IW-1 % Run Time:	91.6%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-2A	Jan	6,418,227	744	19.7	144
	Feb	5,757,407	668	17.7	144
	Mar	6,307,648	732	19.4	144
	Apr	5,791,359	672	17.8	144
	May	5,832,583	676	17.9	144
	Jun	5,436,243	631	16.7	144
	Jul	5,687,094	660	17.5	144
	Aug	6,119,661	710	18.8	144
	Sep	5,636,082	654	17.3	144
	Oct	3,386,182	393	10.4	144
	Nov	6,122,984	710	18.8	144
	Dec	5,976,113	693	18.3	144

IW-2A Total Gallons Pumped:	68,471,583
IW-2A Total Acre-Feet Pumped:	210
IW-2A Average Yield Rate (gpm):	144
IW-2A % Run Time:	90.7%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)*
IW-3A	Jan	0	0	0.0	
	Feb	0	0	0.0	
	Mar	0	0	0.0	
	Apr	0	0	0.0	
	May	0	0	0.0	
	Jun	0	0	0.0	
	Jul	0	0	0.0	
	Aug	5,405,081	155	16.6	580
	Sep	13,703,815	394	42.1	580
	Oct	14,054,904	404	43.1	580
	Nov	9,179,228	264	28.2	580
	Dec	25,049,733	720	76.9	580

IW-3A Total Gallons Pumped:	67,392,761
IW-3A Total Acre-Feet Pumped:	207
IW-3A Average Yield Rate (gpm):	580
IW-3A % Run Time:	22.1%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-8	Jan	10,067,877	654	30.9	257
	Feb	9,477,363	616	29.1	257
	Mar	10,693,399	695	32.8	257
	Apr	10,204,463	663	31.3	257
	May	10,345,946	672	31.7	257
	Jun	9,779,879	635	30.0	257
	Jul	9,429,029	613	28.9	257
	Aug	10,205,583	663	31.3	257
	Sep	9,162,184	595	28.1	257
	Oct	6,564,562	427	20.1	257
	Nov	10,374,755	674	31.8	257
	Dec	11,073,203	720	34.0	257

IW-8 Total Gallons Pumped:	117,378,243
IW-8 Total Acre-Feet Pumped:	360
IW-8 Average Yield Rate (gpm):	257
IW-8 % Run Time:	87.1%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-9	Jan	6,071,642	744	18.6	136
	Feb	5,192,730	636	15.9	136
	Mar	5,839,762	716	17.9	136
	Apr	5,467,453	670	16.8	136
	May	5,143,952	630	15.8	136
	Jun	5,272,024	646	16.2	136
	Jul	5,326,747	653	16.3	136
	Aug	5,059,348	620	15.5	136
	Sep	4,599,736	564	14.1	136
	Oct	3,399,493	417	10.4	136
	Nov	5,134,618	629	15.8	136
	Dec	5,281,196	647	16.2	136

IW-9 Total Gallons Pumped:	61,788,701
IW-9 Total Acre-Feet Pumped:	190
IW-9 Average Yield Rate (gpm):	136
IW-9 % Run Time:	86.4%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-4	Jan	6,007,276	710	18.4	141
	Feb	5,168,239	611	15.9	141
	Mar	5,878,787	695	18.0	141
	Apr	5,547,181	656	17.0	141
	May	3,761,976	445	11.5	141
	Jun	3,484,823	412	10.7	141
	Jul	4,705,271	556	14.4	141
	Aug	4,750,648	562	14.6	141
	Sep	1,722,504	204	5.3	141
	Oct	1,666,758	197	5.1	141
	Nov	1,810,111	214	5.6	141
	Dec	6,094,905	720	18.7	141

IW-4 Total Gallons Pumped:	50,598,479
IW-4 Total Acre-Feet Pumped:	155
IW-4 Average Yield Rate (gpm):	141
IW-4 % Run Time:	68.3%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-24	Jan	417,038	115	1.3	61
	Feb	2,349,720	646	7.2	61
	Mar	2,669,045	734	8.2	61
	Apr	2,298,820	632	7.1	61
	May	1,830,349	503	5.6	61
	Jun	2,442,794	672	7.5	61
	Jul	2,616,488	720	8.0	61
	Aug	2,513,218	691	7.7	61
	Sep	2,269,007	624	7.0	61
	Oct	1,305,321	359	4.0	61
	Nov	1,068,982	294	3.3	61
	Dec	2,436,454	670	7.5	61

IW-24 Total Gallons Pumped:	24,217,236
IW-24 Total Acre-Feet Pumped:	74
IW-24 Average Yield Rate (gpm):	61
IW-24 % Run Time:	76.0%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-5A	Jan	0	0	0.0	0
	Feb	0	0	0.0	0
	Mar	0	0	0.0	0
	Apr	0	0	0.0	0
	May	0	0	0.0	0
	Jun	0	0	0.0	0
	Jul	0	0	0.0	0
	Aug	0	0	0.0	0
	Sep	0	0	0.0	0
	Oct	0	0	0.0	0
	Nov	0	0	0.0	0
	Dec	0	0	0.0	0

IW-5A Total Gallons Pumped:	0
IW-5A Total Acre-Feet Pumped:	0
IW-5A Average Yield Rate (gpm):	0
IW-5A % Run Time:	0.0%

**BasinWells Associates PLLC**

**ATTACHMENT A.  
SUMMARY OF 2022 INTERCEPTOR WELL PERFORMANCE  
FREEPORT MCMORAN SIERRITA, INC.**

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-23	Jan	4,955,564	744	15.2	111
	Feb	4,293,646	645	13.2	111
	Mar	4,508,757	677	13.8	111
	Apr	4,147,353	623	12.7	111
	May	4,173,284	627	12.8	111
	Jun	4,028,338	605	12.4	111
	Jul	4,042,676	607	12.4	111
	Aug	4,235,856	636	13.0	111
	Sep	3,896,001	585	12.0	111
	Oct	3,043,544	457	9.3	111
	Nov	4,477,281	672	13.7	111
	Dec	4,685,477	704	14.4	111

IW-23 Total Gallons Pumped:	50,487,777
IW-23 Total Acre-Feet Pumped:	155
IW-23 Average Yield Rate (gpm):	111
IW-23 % Run Time:	86.5%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-10	Jan	11,387,612	742	34.9	256
	Feb	9,985,113	651	30.6	256
	Mar	11,417,015	744	35.0	256
	Apr	10,690,345	697	32.8	256
	May	7,788,559	508	23.9	256
	Jun	10,519,729	686	32.3	256
	Jul	10,708,260	698	32.9	256
	Aug	10,230,639	667	31.4	256
	Sep	8,262,012	539	25.4	256
	Oct	6,132,205	400	18.8	256
	Nov	6,987,998	455	21.4	256
	Dec	2,536,002	165	7.8	256

IW-10 Total Gallons Pumped:	106,645,489
IW-10 Total Acre-Feet Pumped:	327
IW-10 Average Yield Rate (gpm):	256
IW-10 % Run Time:	79.4%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-22	Jan	11,410,945	725	35.0	263
	Feb	9,742,780	619	29.9	263
	Mar	11,195,519	711	34.4	263
	Apr	10,609,537	674	32.6	263
	May	10,762,738	683	33.0	263
	Jun	9,892,846	628	30.4	263
	Jul	10,123,714	643	31.1	263
	Aug	9,844,832	625	30.2	263
	Sep	9,317,360	592	28.6	263
	Oct	6,996,575	444	21.5	263
	Nov	10,509,880	667	32.3	263
	Dec	11,345,499	720	34.8	263

IW-22 Total Gallons Pumped:	121,752,225
IW-22 Total Acre-Feet Pumped:	374
IW-22 Average Yield Rate (gpm):	263
IW-22 % Run Time:	88.2%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-11	Jan	3,541,355	241	10.9	245
	Feb	3,061,239	208	9.4	245
	Mar	2,785,880	189	8.5	245
	Apr	0	0	0.0	
	May	1,738,639	118	5.3	245
	Jun	9,762,502	663	30.0	245
	Jul	9,757,531	663	29.9	245
	Aug	8,012,359	544	24.6	245
	Sep	0	0	0.0	
	Oct	0	0	0.0	
	Nov	7,054,855	479	21.6	245
	Dec	10,602,180	720	32.5	245

IW-11 Total Gallons Pumped:	56,316,540
IW-11 Total Acre-Feet Pumped:	173
IW-11 Average Yield Rate (gpm):	245
IW-11 % Run Time:	43.7%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-6A	Jan	0	0	0.0	0
	Feb	0	0	0.0	0
	Mar	0	0	0.0	0
	Apr	0	0	0.0	0
	May	0	0	0.0	0
	Jun	0	0	0.0	0
	Jul	0	0	0.0	0
	Aug	0	0	0.0	0
	Sep	0	0	0.0	0
	Oct	0	0	0.0	0
	Nov	0	0	0.0	0
	Dec	0	0	0.0	0

IW-6A Total Gallons Pumped:	0
IW-6A Total Acre-Feet Pumped:	0
IW-6A Average Yield Rate (gpm):	0
IW-6A % Run Time:	0.0%

Well	Month	Gallons Pumped*	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-12	Jan	4,038,336	678	12.4	99
	Feb	3,021,854	507	9.3	99
	Mar	4,435,217	744	13.6	99
	Apr	4,194,085	704	12.9	99
	May	4,235,612	711	13.0	99
	Jun	4,044,959	679	12.4	99
	Jul	4,052,502	680	12.4	99
	Aug	4,095,644	687	12.6	99
	Sep	3,690,780	619	11.3	99
	Oct	2,928,678	492	9.0	99
	Nov	4,150,033	697	12.7	99
	Dec	3,547,546	595	10.9	99

IW-12 Total Gallons Pumped:	46,435,246
IW-12 Total Acre-Feet Pumped:	142
IW-12 Average Yield Rate (gpm):	99
IW-12 % Run Time:	89.0%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-13	Jan	0	0	0.0	0
	Feb	0	0	0.0	0
	Mar	0	0	0.0	0
	Apr	0	0	0.0	0
	May	0	0	0.0	0
	Jun	0	0	0.0	0
	Jul	0	0	0.0	0
	Aug	0	0	0.0	0
	Sep	0	0	0.0	0
	Oct	0	0	0.0	0
	Nov	0	0	0.0	0
	Dec	0	0	0.0	0

IW-13 Total Gallons Pumped:	0
IW-13 Total Acre-Feet Pumped:	0
IW-13 Average Yield Rate (gpm):	0
IW-13 % Run Time:	0.0%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-14	Jan	1,000	0	0.0	60
	Feb	1,000	0	0.0	60
	Mar	0	0	0.0	0
	Apr	0	0	0.0	0
	May	0	0	0.0	0
	Jun	0	0	0.0	0
	Jul	0	0	0.0	0
	Aug	0	0	0.0	0
	Sep	0	0	0.0	0
	Oct	0	0	0.0	0
	Nov	0	0	0.0	0
	Dec	0	0	0.0	0

IW-14 Total Gallons Pumped:	2,000
IW-14 Total Acre-Feet Pumped:	0
IW-14 Average Yield Rate (gpm):	60
IW-14 % Run Time:	0.0%



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Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-15	Jan	0	0	0.0	0
	Feb	0	0	0.0	0
	Mar	0	0	0.0	0
	Apr	0	0	0.0	0
	May	0	0	0.0	0
	Jun	0	0	0.0	0
	Jul	0	0	0.0	0
	Aug	0	0	0.0	0
	Sep	0	0	0.0	0
	Oct	0	0	0.0	0
	Nov	0	0	0.0	0
	Dec	0	0	0.0	0

IW-15 Total Gallons Pumped:	0
IW-15 Total Acre-Feet Pumped:	0
IW-15 Average Yield Rate (gpm):	0
IW-15 % Run Time:	0.0%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-19	Jan	4,897,828	744	15.0	110
	Feb	4,092,848	622	12.6	110
	Mar	4,667,711	709	14.3	110
	Apr	4,429,240	673	13.6	110
	May	4,451,637	676	13.7	110
	Jun	4,018,534	611	12.3	110
	Jul	4,071,591	619	12.5	110
	Aug	4,101,767	623	12.6	110
	Sep	3,659,872	556	11.2	110
	Oct	2,663,682	405	8.2	110
	Nov	4,042,244	614	12.4	110
	Dec	4,269,100	649	13.1	110

IW-19 Total Gallons Pumped:	49,866,054
IW-19 Total Acre-Feet Pumped:	151
IW-19 Average Yield Rate (gpm):	110
IW-19 % Run Time:	85.6%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-20	Jan	0	0	0.0	0
	Feb	0	0	0.0	0
	Mar	0	0	0.0	0
	Apr	0	0	0.0	0
	May	0	0	0.0	0
	Jun	0	0	0.0	0
	Jul	0	0	0.0	0
	Aug	0	0	0.0	0
	Sep	0	0	0.0	0
	Oct	0	0	0.0	0
	Nov	0	0	0.0	0
	Dec	0	0	0.0	0

IW-20 Total Gallons Pumped:	0
IW-20 Total Acre-Feet Pumped:	0
IW-20 Average Yield Rate (gpm):	0
IW-20 % Run Time:	0.0%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-21	Jan	0	0	0.0	
	Feb	0	0	0.0	
	Mar	2,041,134	309	6.3	110
	Apr	2,011,813	305	6.2	110
	May	2,296,585	348	7.0	110
	Jun	2,121,759	321	6.5	110
	Jul	1,905,548	289	5.8	110
	Aug	2,068,165	313	6.3	110
	Sep	1,850,965	280	5.7	110
	Oct	1,313,892	199	4.0	110
	Nov	2,010,307	305	6.2	110
	Dec	2,074,884	314	6.4	110

IW-21 Total Gallons Pumped:	19,695,052
IW-21 Total Acre-Feet Pumped:	60
IW-21 Average Yield Rate (gpm):	110
IW-21 % Run Time:	34.1%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-25	Jan	15,623,125	571	47.9	456
	Feb	14,769,261	540	45.3	456
	Mar	16,737,116	612	51.4	456
	Apr	15,547,327	568	47.7	456
	May	16,266,790	595	49.9	456
	Jun	15,340,060	561	47.1	456
	Jul	15,525,429	567	47.6	456
	Aug	15,232,644	557	46.7	456
	Sep	13,845,798	506	42.5	456
	Oct	10,001,790	366	30.7	456
	Nov	15,186,775	555	46.6	456
	Dec	9,861,712	360	30.3	456

IW-25 Total Gallons Pumped:	173,937,827
IW-25 Total Acre-Feet Pumped:	534
IW-25 Average Yield Rate (gpm):	456
IW-25 % Run Time:	72.6%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-26	Jan	10,050,318	705	30.8	238
	Feb	8,894,323	624	27.3	238
	Mar	9,852,033	691	30.2	238
	Apr	9,632,579	676	29.6	238
	May	9,926,074	697	30.5	238
	Jun	9,666,320	678	29.7	238
	Jul	9,869,040	693	30.3	238
	Aug	9,948,967	698	30.5	238
	Sep	8,972,833	630	27.5	238
	Oct	6,569,930	461	20.2	238
	Nov	9,668,132	678	29.7	238
	Dec	10,266,367	720	31.5	238

IW-26 Total Gallons Pumped:	113,316,916
IW-26 Total Acre-Feet Pumped:	348
IW-26 Average Yield Rate (gpm):	238
IW-26 % Run Time:	90.8%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-27	Jan	6,074,270	675	18.6	150
	Feb	5,324,540	592	16.3	150
	Mar	5,833,229	648	17.9	150
	Apr	5,482,475	609	16.8	150
	May	5,614,403	624	17.2	150
	Jun	5,476,775	609	16.8	150
	Jul	3,700,518	411	11.4	150
	Aug	5,892,386	655	18.1	150
	Sep	5,560,337	618	17.1	150
	Oct	4,321,146	480	13.3	150
	Nov	6,365,402	707	19.5	150
	Dec	6,477,205	720	19.9	150

IW-27 Total Gallons Pumped:	66,122,686
IW-27 Total Acre-Feet Pumped:	203
IW-27 Average Yield Rate (gpm):	150
IW-27 % Run Time:	83.9%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-28	Jan	14,509,377	732	44.5	331
	Feb	13,173,394	664	40.4	331
	Mar	14,566,028	735	44.7	331
	Apr	13,819,588	697	42.4	331
	May	14,378,241	725	44.1	331
	Jun	13,666,419	689	41.9	331
	Jul	13,828,214	697	42.4	331
	Aug	13,900,732	701	42.7	331
	Sep	12,454,464	628	38.2	331
	Oct	9,327,907	470	28.6	331
	Nov	13,750,714	693	42.2	331
	Dec	14,282,158	720	43.8	331

IW-28 Total Gallons Pumped:	161,657,236
IW-28 Total Acre-Feet Pumped:	496
IW-28 Average Yield Rate (gpm):	331
IW-28 % Run Time:	93.1%





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Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
IW-29	Jan	14,963,147	687	45.9	363
	Feb	13,686,391	628	42.0	363
	Mar	14,704,488	675	45.1	363
	Apr	13,990,778	642	42.9	363
	May	7,906,509	363	24.3	363
	Jun	0	0	0.0	
	Jul	1,287,163	59	3.9	363
	Aug	16,195,195	744	49.7	363
	Sep	15,439,196	709	47.4	363
	Oct	14,158,976	650	43.4	363
	Nov	15,864,716	728	48.7	363
	Dec	11,070,026	508	34.0	363

IW-29 Total Gallons Pumped:	139,266,585
IW-29 Total Acre-Feet Pumped:	427
IW-29 Average Yield Rate (gpm):	363
IW-29 % Run Time:	73.0%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
PS-1	Jan	33,998,825	735	104.3	771
	Feb	30,539,398	660	93.7	771
	Mar	34,065,116	736	104.5	771
	Apr	32,835,689	710	100.8	771
	May	33,648,566	727	103.3	771
	Jun	32,380,919	700	99.4	771
	Jul	33,074,421	715	101.5	771
	Aug	32,105,469	694	98.5	771
	Sep	32,234,201	697	98.9	771
	Oct	24,330,573	526	74.7	771
	Nov	32,090,946	694	98.5	771
	Dec	33,289,385	720	102.2	771

PS-1 Total Gallons Pumped:	384,593,508
PS-1 Total Acre-Feet Pumped:	1180
PS-1 Average Yield Rate (gpm):	771
PS-1 % Run Time:	94.9%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
PS-2	Jan	36,008,409	721	110.5	832
	Feb	32,400,954	649	99.4	832
	Mar	36,065,511	722	110.7	832
	Apr	35,233,515	706	108.1	832
	May	36,341,692	728	111.5	832
	Jun	34,730,527	696	106.6	832
	Jul	35,369,879	709	108.5	832
	Aug	34,513,063	691	105.9	832
	Sep	34,857,643	698	107.0	832
	Oct	26,326,657	527	80.8	832
	Nov	34,777,039	697	106.7	832
	Dec	34,059,740	682	104.5	832

PS-2 Total Gallons Pumped:	410,684,629
PS-2 Total Acre-Feet Pumped:	1260
PS-2 Average Yield Rate (gpm):	832
PS-2 % Run Time:	93.9%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
PS-3	Jan	42,632,595	739	130.8	961
	Feb	38,037,563	660	116.7	961
	Mar	42,115,722	730	129.2	961
	Apr	40,550,551	703	124.4	961
	May	41,454,423	719	127.2	961
	Jun	39,483,090	685	121.2	961
	Jul	40,504,197	702	124.3	961
	Aug	39,401,155	683	120.9	961
	Sep	39,849,413	691	122.3	961
	Oct	29,898,610	519	91.7	961
	Nov	39,958,094	693	122.6	961
	Dec	41,507,731	720	127.4	961

PS-3 Total Gallons Pumped:	475,393,144
PS-3 Total Acre-Feet Pumped:	1459
PS-3 Average Yield Rate (gpm):	961
PS-3 % Run Time:	94.1%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
PS-4	Jan	46,291,448	712	142.1	1083
	Feb	41,761,189	643	128.2	1083
	Mar	46,396,968	714	142.4	1083
	Apr	29,943,900	461	91.9	1083
	May	48,334,140	744	148.3	1083
	Jun	36,445,080	561	111.8	1083
	Jul	44,542,222	685	136.7	1083
	Aug	43,070,950	663	132.2	1083
	Sep	40,955,140	630	125.7	1083
	Oct	32,193,501	495	98.8	1083
	Nov	42,459,712	653	130.3	1083
	Dec	44,132,520	679	135.4	1083

PS-4 Total Gallons Pumped:	496,526,770
PS-4 Total Acre-Feet Pumped:	1524
PS-4 Average Yield Rate (gpm):	1083
PS-4 % Run Time:	87.2%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
MC-1	Jan	32,047,873	712	98.3	750
	Feb	25,240,178	561	77.5	750
	Mar	32,034,844	712	98.3	750
	Apr	29,470,709	655	90.4	750
	May	29,435,056	654	90.3	750
	Jun	26,799,315	596	82.2	750
	Jul	30,540,507	679	93.7	750
	Aug	28,838,373	641	88.5	750
	Sep	28,288,878	629	86.8	750
	Oct	18,934,748	421	58.1	750
	Nov	28,249,906	628	86.7	750
	Dec	30,516,931	678	93.6	750

MC-1 Total Gallons Pumped:	340,397,318
MC-1 Total Acre-Feet Pumped:	1045
MC-1 Average Yield Rate (gpm):	750
MC-1 % Run Time:	86.4%

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
MC-2	Jan	23,877,575	744	73.3	535
	Feb	19,466,436	606	59.7	535
	Mar	23,813,497	742	73.1	535
	Apr	22,992,025	716	70.6	535
	May	23,415,864	729	71.9	535
	Jun	21,125,147	658	64.8	535
	Jul	21,904,969	682	67.2	535
	Aug	20,527,307	639	63.0	535
	Sep	20,326,954	633	62.4	535
	Oct	13,709,072	427	42.1	535
	Nov	20,898,489	651	64.1	535
	Dec	22,308,321	695	68.5	535

MC-2 Total Gallons Pumped:	254,365,656
MC-2 Total Acre-Feet Pumped:	781
MC-2 Average Yield Rate (gpm):	535
MC-2 % Run Time:	90.5%



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Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
MC-3	Jan	18,450,640	602	56.6	511
	Feb	15,688,992	512	48.1	511
	Mar	18,386,546	600	56.4	511
	Apr	18,067,867	589	55.4	511
	May	18,466,022	602	56.7	511
	Jun	17,229,402	562	52.9	511
	Jul	17,188,303	561	52.7	511
	Aug	16,111,305	525	49.4	511
	Sep	15,789,090	515	48.5	511
	Oct	10,418,326	340	32.0	511
	Nov	14,153,770	462	43.4	511
	Dec	16,072,401	524	49.3	511

<b>MC-3 Total Gallons Pumped:</b>	<b>196,022,664</b>
<b>MC-3 Total Acre-Feet Pumped:</b>	<b>602</b>
<b>MC-3 Average Yield Rate (gpm):</b>	<b>511</b>
<b>MC-3 % Run Time:</b>	<b>73.0%</b>

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
MC-4	Jan	11,427,937	481	35.1	396
	Feb	10,615,950	447	32.6	396
	Mar	11,584,661	488	35.5	396
	Apr	10,494,009	442	32.2	396
	May	10,003,485	421	30.7	396
	Jun	9,457,767	398	29.0	396
	Jul	8,149,524	343	25.0	396
	Aug	5,792,581	244	17.8	396
	Sep	3,781,121	16	1.2	396
	Oct	8,659,684	364	26.6	396
	Nov	10,810,020	455	33.2	396
	Dec	17,105,980	720	52.5	396

<b>MC-4 Total Gallons Pumped:</b>	<b>114,479,719</b>
<b>MC-4 Total Acre-Feet Pumped:</b>	<b>351</b>
<b>MC-4 Average Yield Rate (gpm):</b>	<b>396</b>
<b>MC-4 % Run Time:</b>	<b>55.0%</b>

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
FFS-1	Jan	30,805,728	744	94.5	690
	Feb	26,987,040	652	82.8	690
	Mar	30,201,866	730	92.7	690
	Apr	28,404,410	686	87.2	690
	May	29,729,935	718	91.2	690
	Jun	28,498,674	688	87.5	690
	Jul	29,335,824	709	90.0	690
	Aug	28,286,402	683	86.8	690
	Sep	26,332,244	636	80.8	690
	Oct	19,341,758	467	59.4	690
	Nov	28,134,930	680	86.3	690
	Dec	29,342,329	709	90.0	690

<b>FFS-1 Total Gallons Pumped:</b>	<b>335,401,140</b>
<b>FFS-1 Total Acre-Feet Pumped:</b>	<b>1029</b>
<b>FFS-1 Average Yield Rate (gpm):</b>	<b>690</b>
<b>FFS-1 % Run Time:</b>	<b>92.5%</b>

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
FFS-2	Jan	28,826,867	662	88.5	726
	Feb	29,283,307	672	89.9	726
	Mar	28,844,010	662	88.5	726
	Apr	29,230,239	671	89.7	726
	May	30,593,771	702	93.9	726
	Jun	27,664,616	635	84.9	726
	Jul	28,657,026	658	87.9	726
	Aug	24,478,258	562	75.1	726
	Sep	24,249,128	557	74.4	726
	Oct	18,214,668	418	55.9	726
	Nov	26,416,792	606	81.1	726
	Dec	28,426,782	653	87.2	726

<b>FFS-2 Total Gallons Pumped:</b>	<b>324,885,464</b>
<b>FFS-2 Total Acre-Feet Pumped:</b>	<b>997</b>
<b>FFS-2 Average Yield Rate (gpm):</b>	<b>726</b>
<b>FFS-2 % Run Time:</b>	<b>85.1%</b>

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
FFS-3	Jan	1,017,554	121	3.1	140
	Feb	5,642,823	672	17.3	140
	Mar	6,087,181	725	18.7	140
	Apr	5,677,299	676	17.4	140
	May	5,500,294	655	16.9	140
	Jun	4,899,949	583	15.0	140
	Jul	4,487,973	534	13.8	140
	Aug	4,647,620	553	14.3	140
	Sep	4,481,334	533	13.8	140
	Oct	3,595,537	428	11.0	140
	Nov	4,689,762	558	14.4	140
	Dec	4,743,037	565	14.6	140

<b>FFS-3 Total Gallons Pumped:</b>	<b>55,470,363</b>
<b>FFS-3 Total Acre-Feet Pumped:</b>	<b>170</b>
<b>FFS-3 Average Yield Rate (gpm):</b>	<b>140</b>
<b>FFS-3 % Run Time:</b>	<b>75.4%</b>

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
FFS-4	Jan	1,508,878	278	4.6	90
	Feb	3,644,210	672	11.2	90
	Mar	4,018,093	741	12.3	90
	Apr	3,836,929	707	11.8	90
	May	3,513,974	648	10.8	90
	Jun	2,979,477	549	9.1	90
	Jul	3,254,976	600	10.0	90
	Aug	3,657,812	674	11.2	90
	Sep	3,257,724	601	10.0	90
	Oct	2,815,525	519	8.6	90
	Nov	3,297,921	608	10.1	90
	Dec	1,859,750	343	5.7	90

<b>FFS-4 Total Gallons Pumped:</b>	<b>37,645,269</b>
<b>FFS-4 Total Acre-Feet Pumped:</b>	<b>116</b>
<b>FFS-4 Average Yield Rate (gpm):</b>	<b>90</b>
<b>FFS-4 % Run Time:</b>	<b>79.2%</b>

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
FFS-5	Jan	26,396,137	639	81.0	688
	Feb	23,305,391	565	71.5	688
	Mar	14,931,083	362	45.8	688
	Apr	0	0	0.0	688
	May	25,200,674	610	77.3	688
	Jun	29,147,916	706	89.4	688
	Jul	29,732,605	720	91.2	688
	Aug	24,638,399	597	75.6	688
	Sep	25,577,166	620	78.5	688
	Oct	16,037,191	388	49.2	688
	Nov	24,153,982	585	74.1	688
	Dec	26,998,860	654	82.9	688

<b>FFS-5 Total Gallons Pumped:</b>	<b>266,119,404</b>
<b>FFS-5 Total Acre-Feet Pumped:</b>	<b>817</b>
<b>FFS-5 Average Yield Rate (gpm):</b>	<b>688</b>
<b>FFS-5 % Run Time:</b>	<b>73.6%</b>

Well	Month	Gallons Pumped	Estimated Hours	Yield (Acrefeet)	Approx. Yield Rate (gpm)
FFS-6	Jan	0	0	0.0	120
	Feb	1,954,897	272	6.0	120
	Mar	5,357,478	744	16.4	120
	Apr	5,010,493	696	15.4	120
	May	4,974,765	691	15.3	120
	Jun	2,097,239	291	6.4	120
	Jul	2,660,598	370	8.2	120
	Aug	2,189,478	304	6.7	120
	Sep	2,311,267	321	7.1	120
	Oct	1,633,018	227	5.0	120
	Nov	2,734,684	380	8.4	120
	Dec	0	0	0.0	120

<b>FFS-6 Total Gallons Pumped:</b>	<b>30,923,917</b>
<b>FFS-6 Total Acre-Feet Pumped:</b>	<b>95</b>
<b>FFS-6 Average Yield Rate (gpm):</b>	<b>120</b>
<b>FFS-6 % Run Time:</b>	<b>49.0%</b>



ATTACHMENT B

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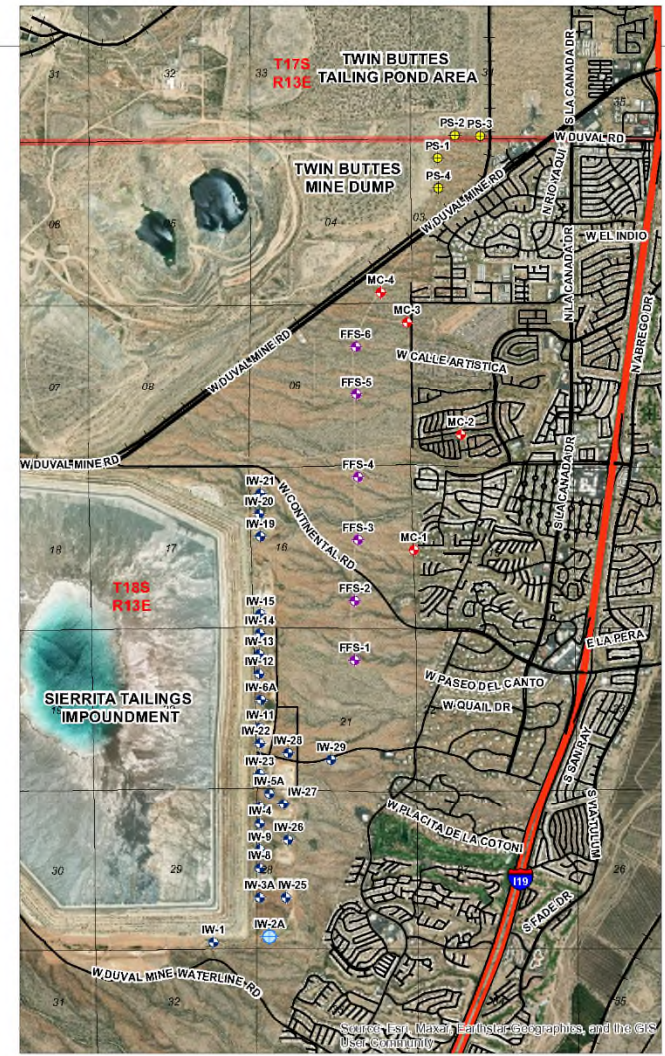
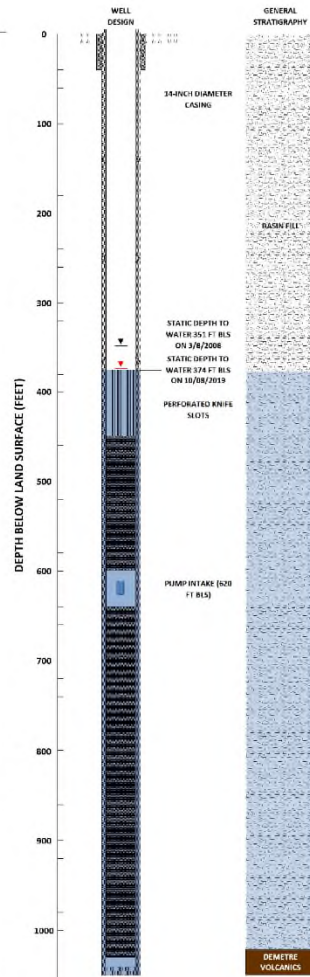
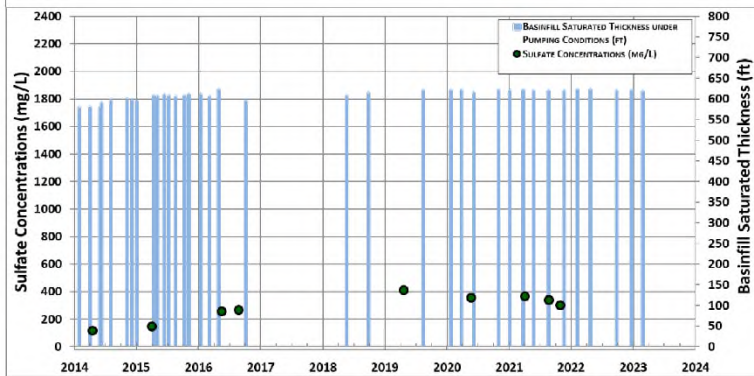
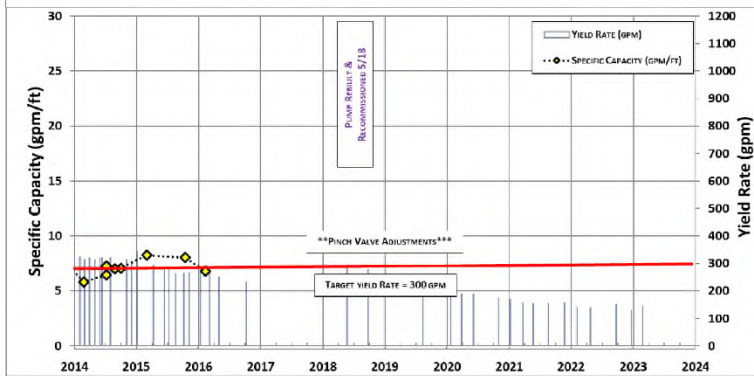
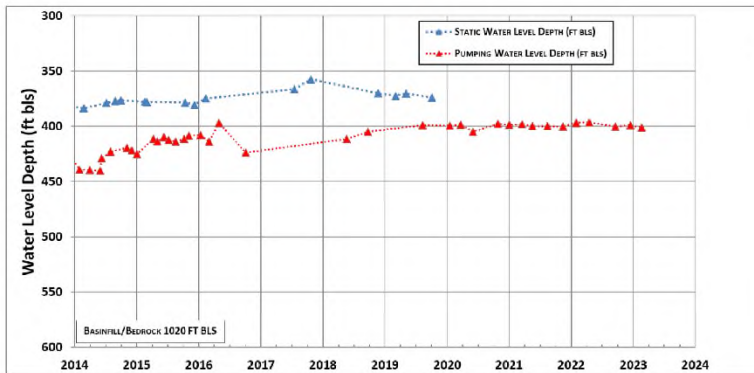
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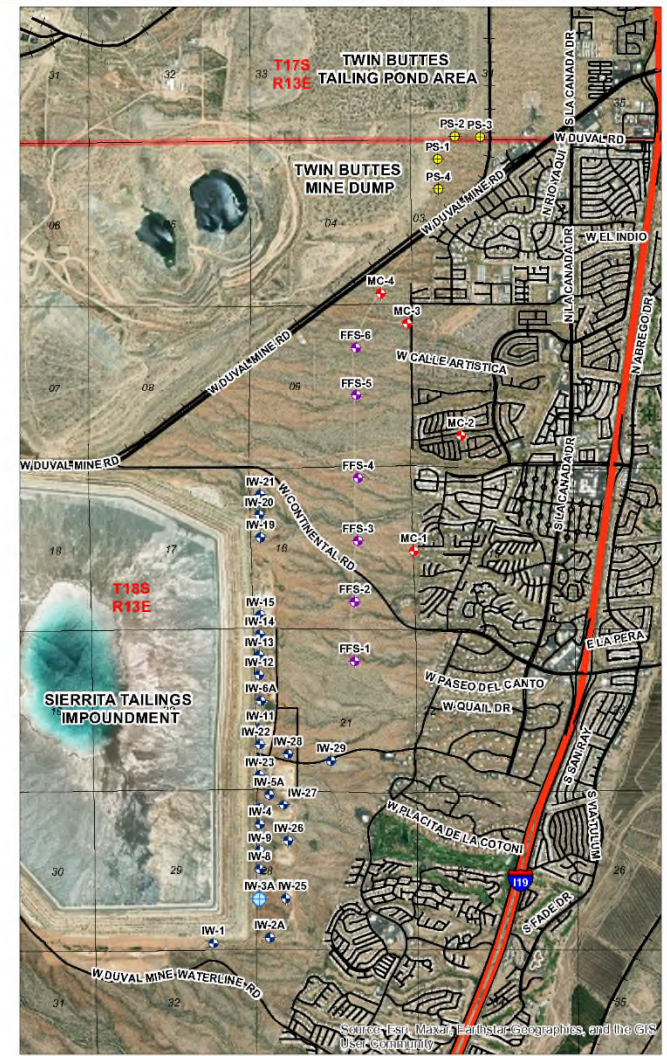
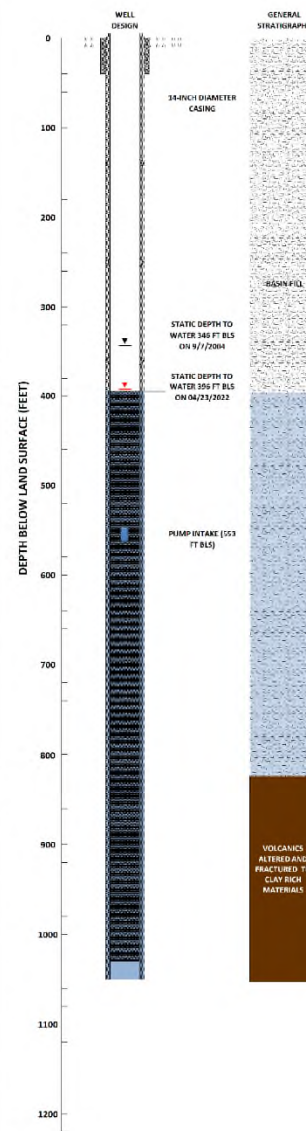
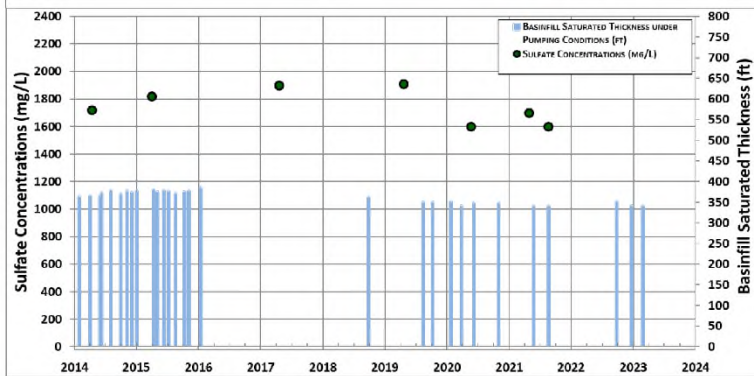
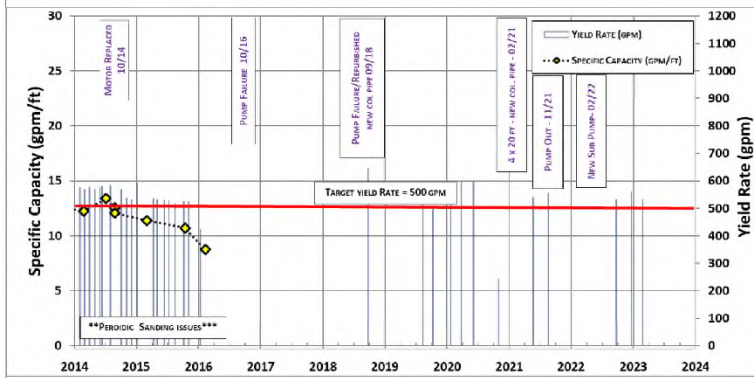
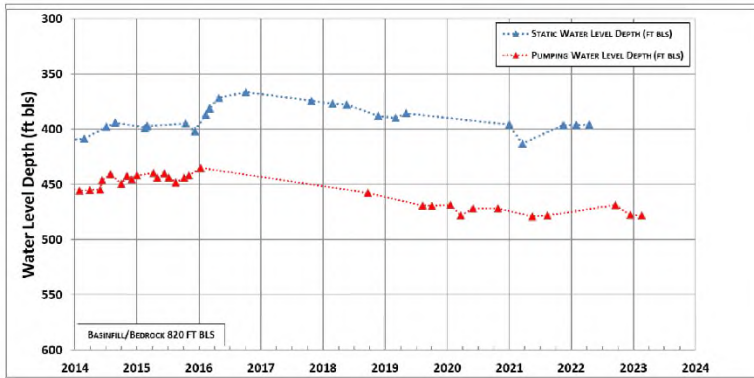




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-2A: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 28CCC ADWR REG. NO.: 55-216464 DRILL YEAR: 2008

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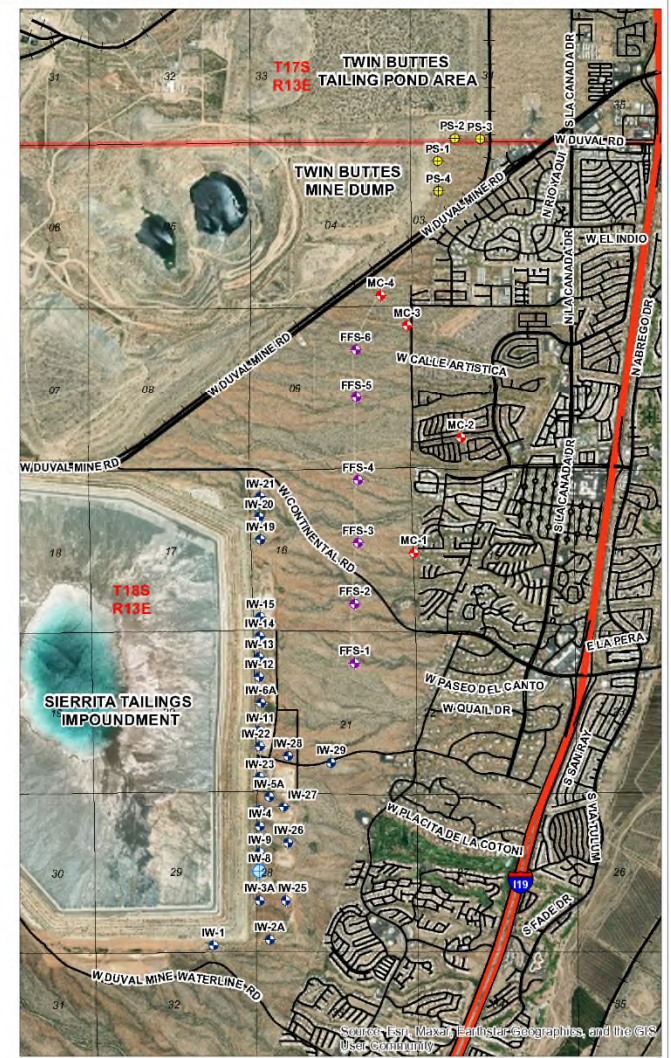
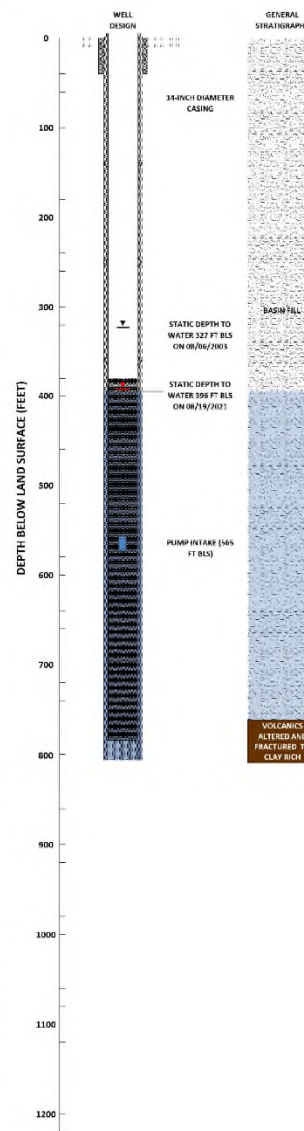
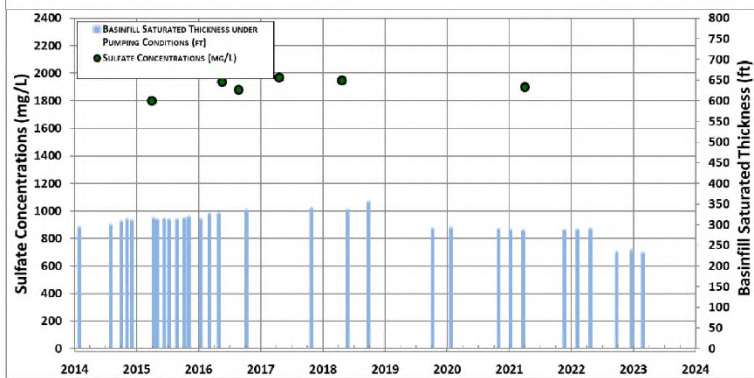
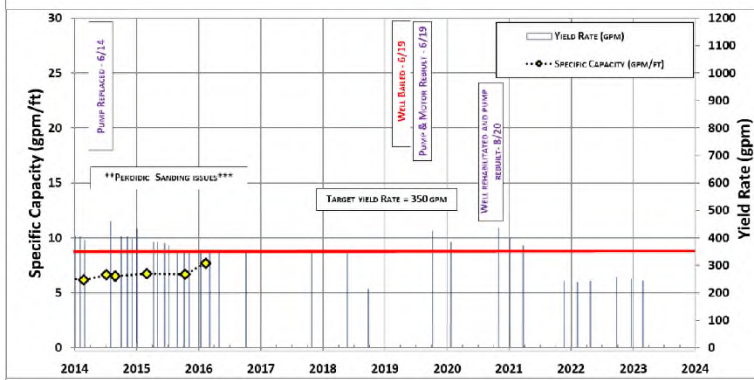
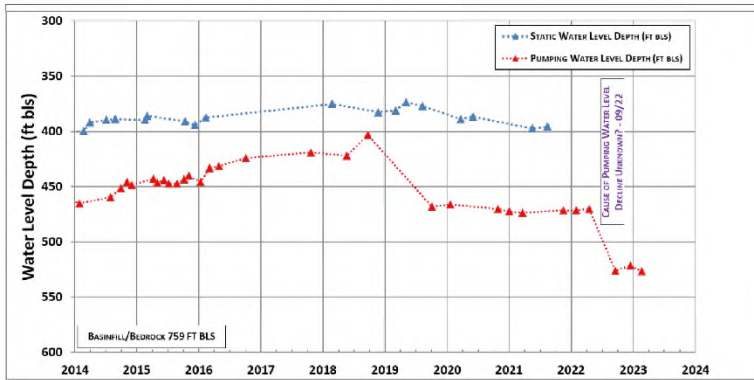




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-3A: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 28CBC ADWR REG. NO.: 55-201732 DRILL YEAR: 2004

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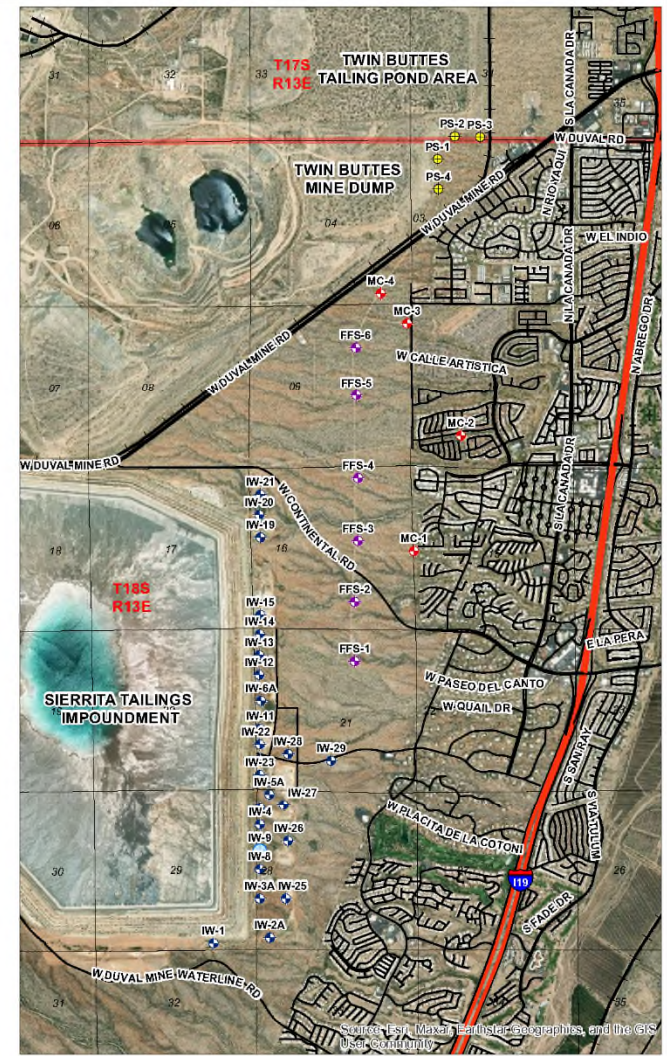
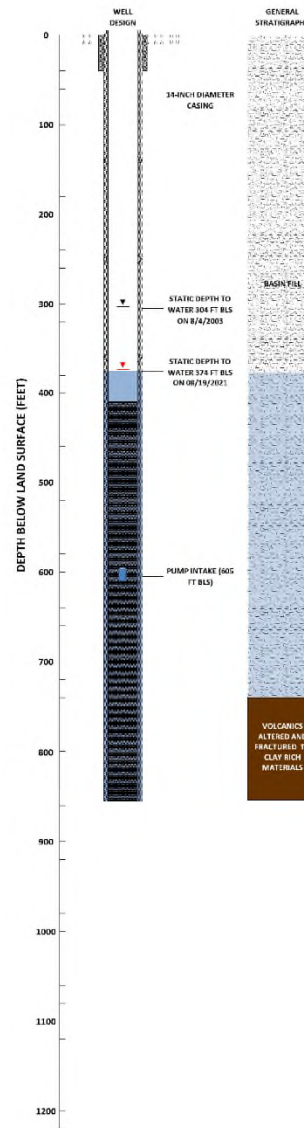
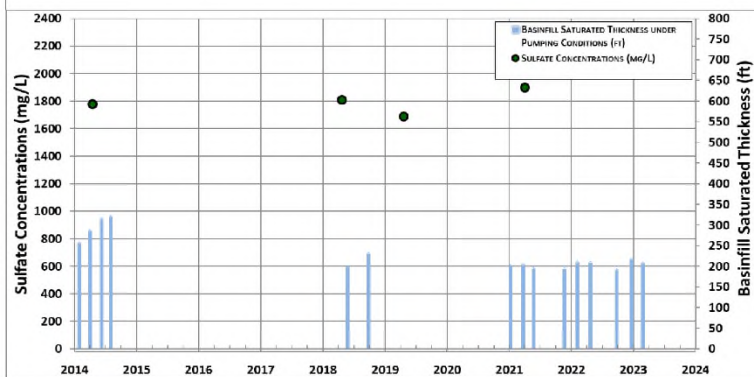
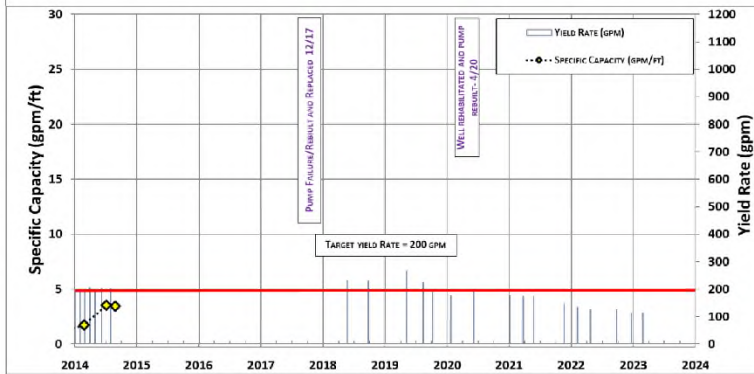
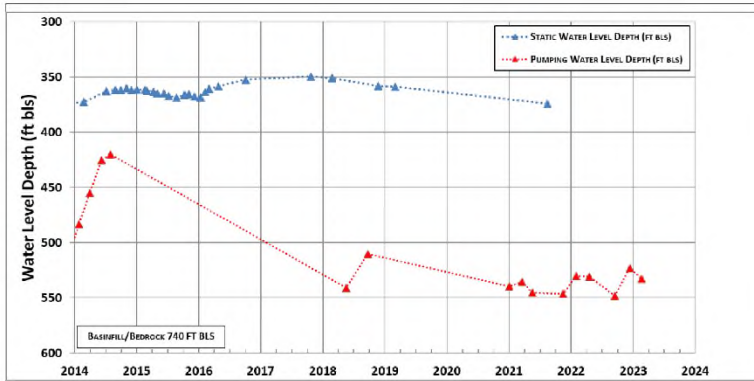




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-8: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
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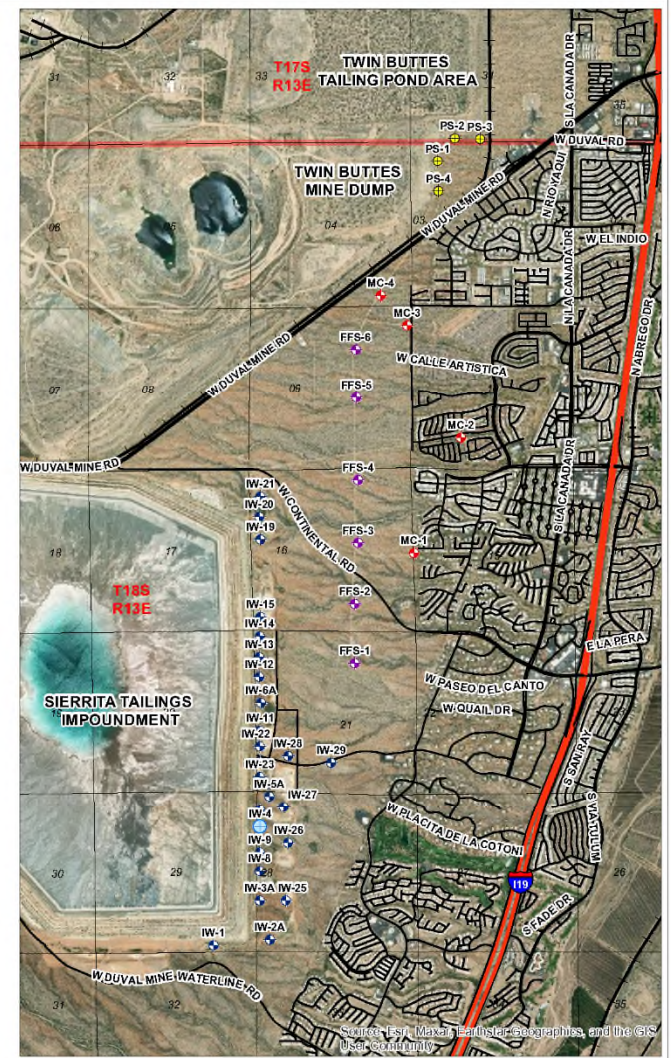
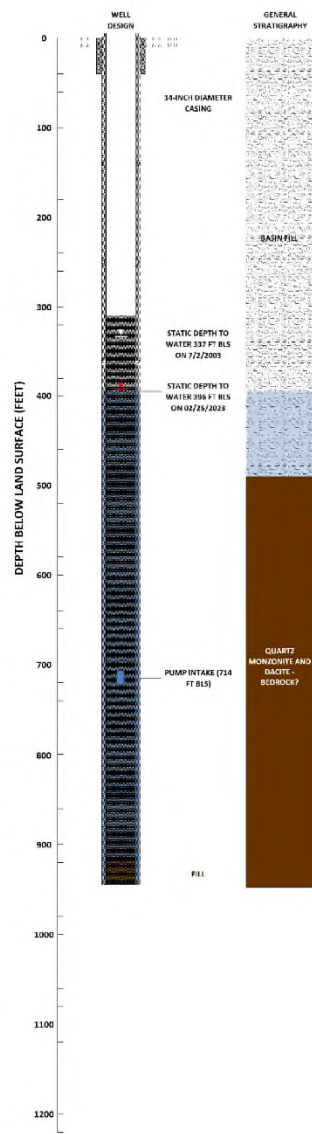
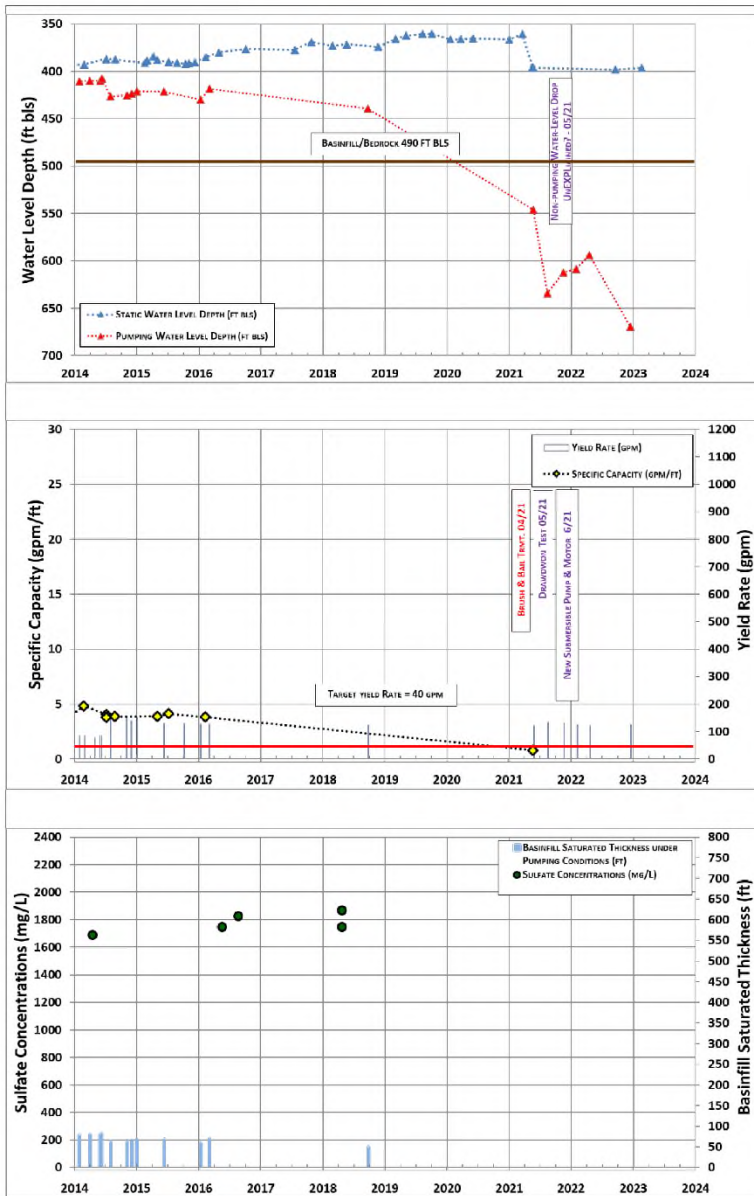




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-9: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 28BCC ADWR REG. NO.: 55-508238 DRILL YEAR: 1984

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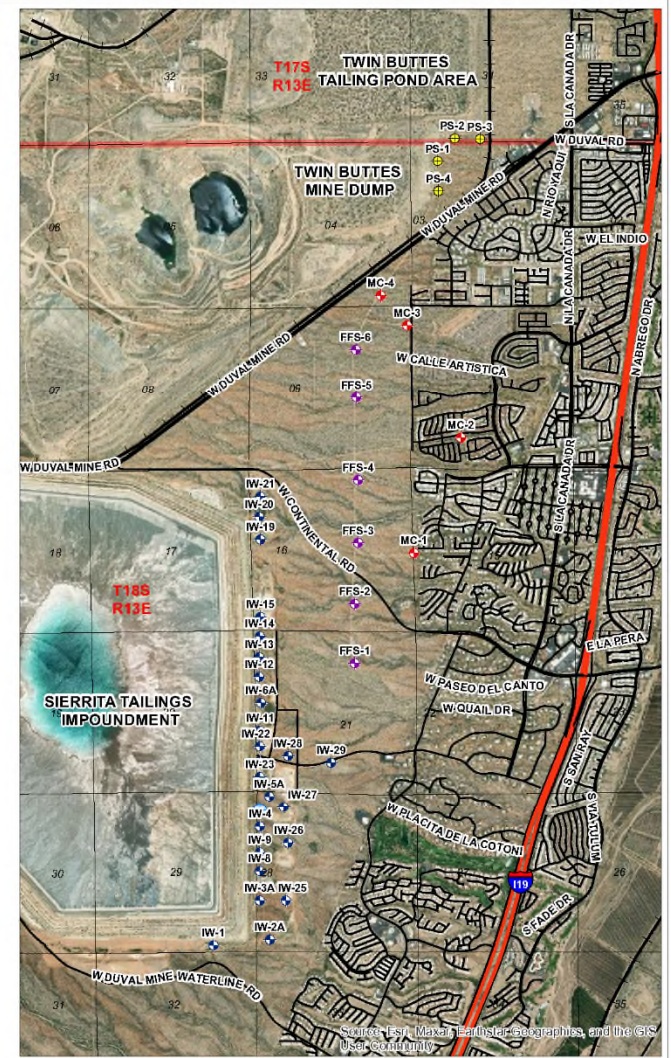
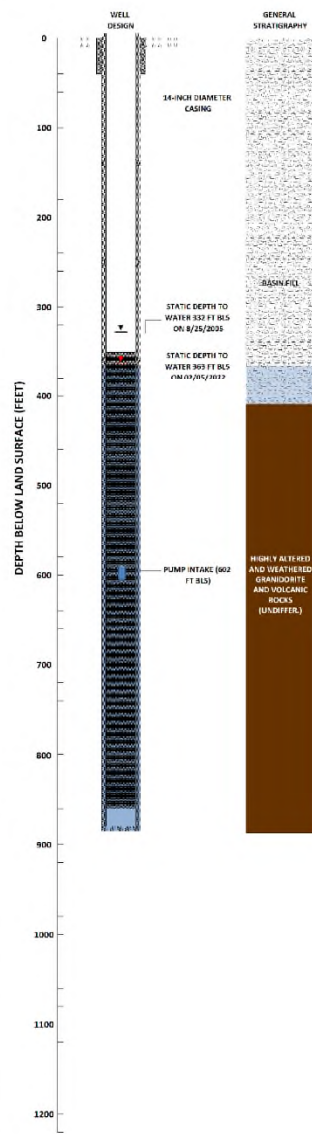
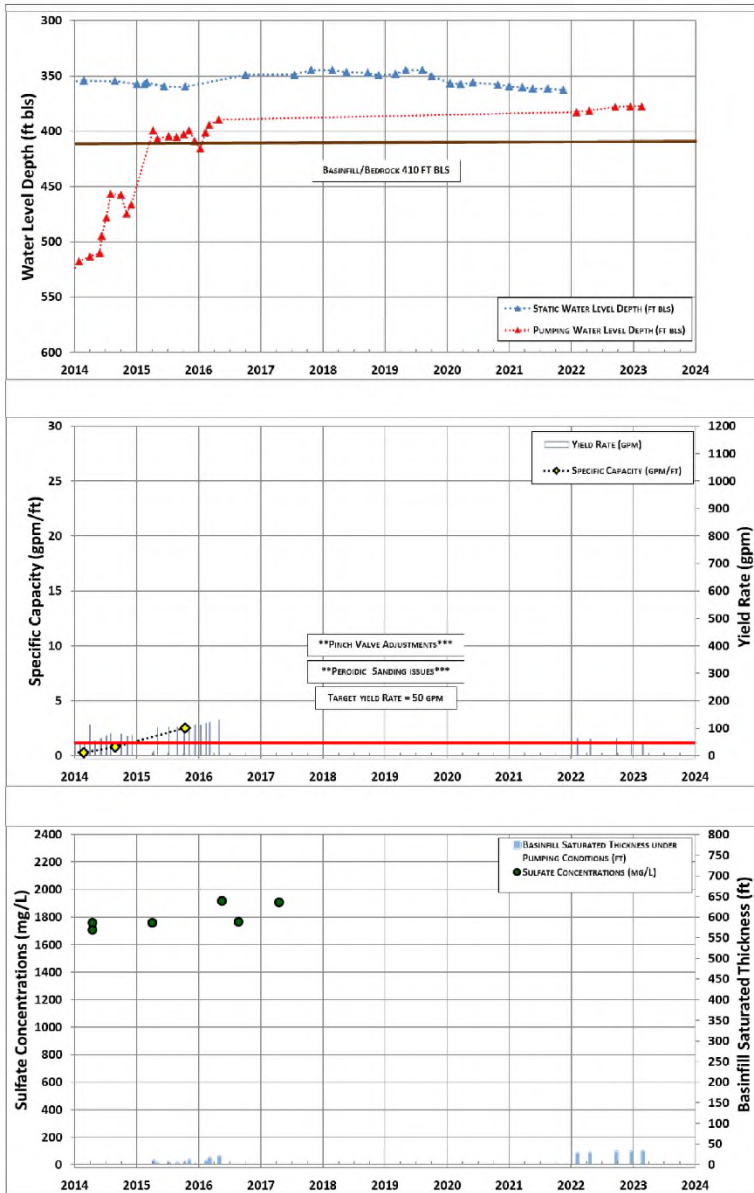




<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMORAN</b> COPPER &amp; GOLD</p>	IW-4: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  CADASTRAL: D-18-13 288CB ADWR REG. NO.: 55-623132 DRILL YEAR: 1978
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	

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<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMORAN</b> COPPER &amp; GOLD</p>	IW-24: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  CADASTRAL: D-18-13 288BB ADWR REG. NO.: 55-200556 DRILL YEAR: 2004
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	

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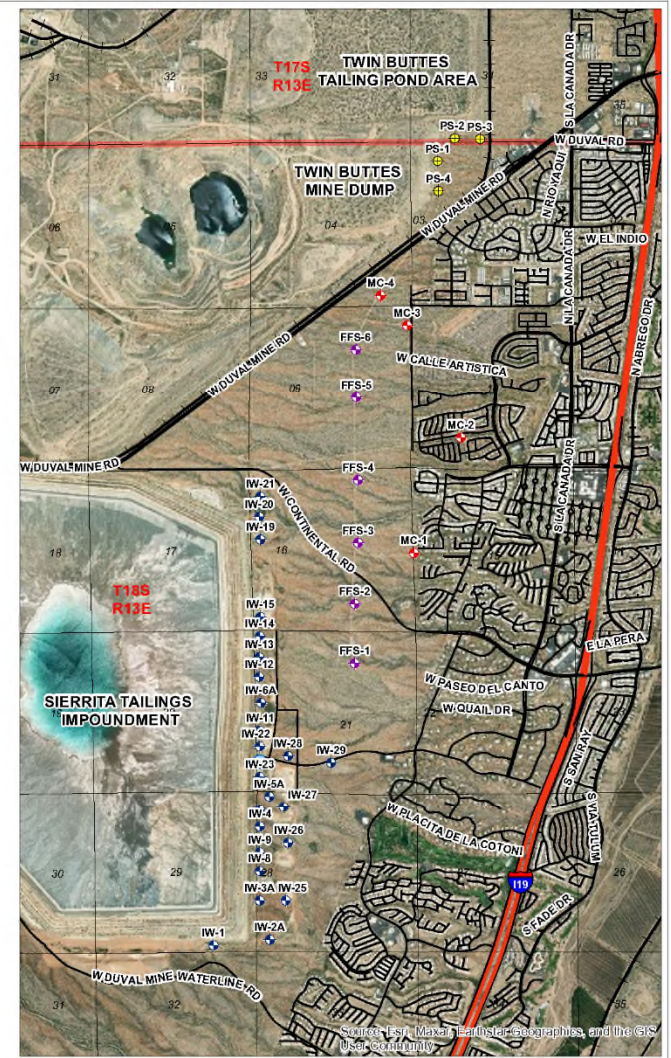
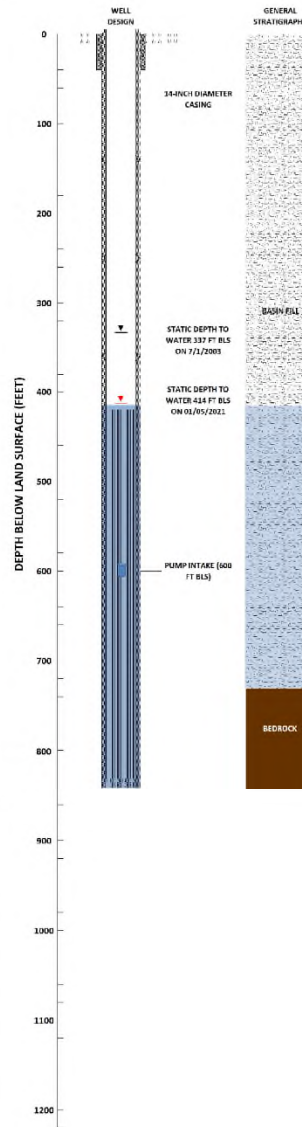
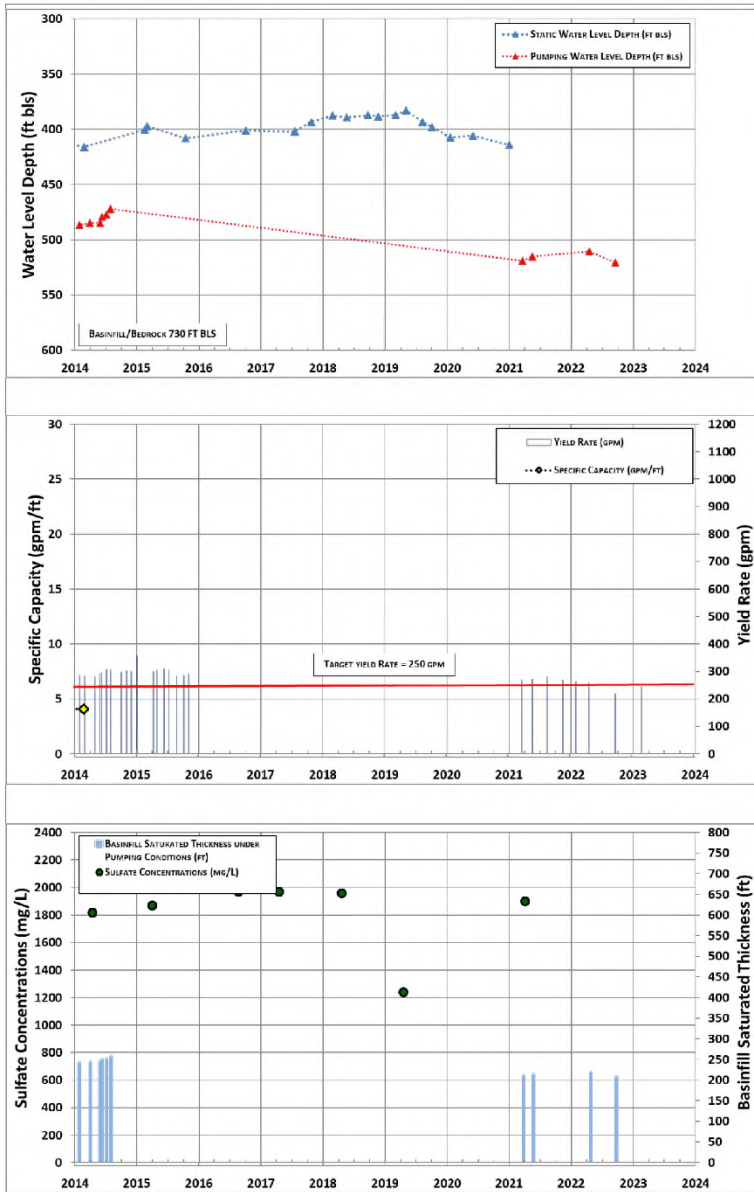








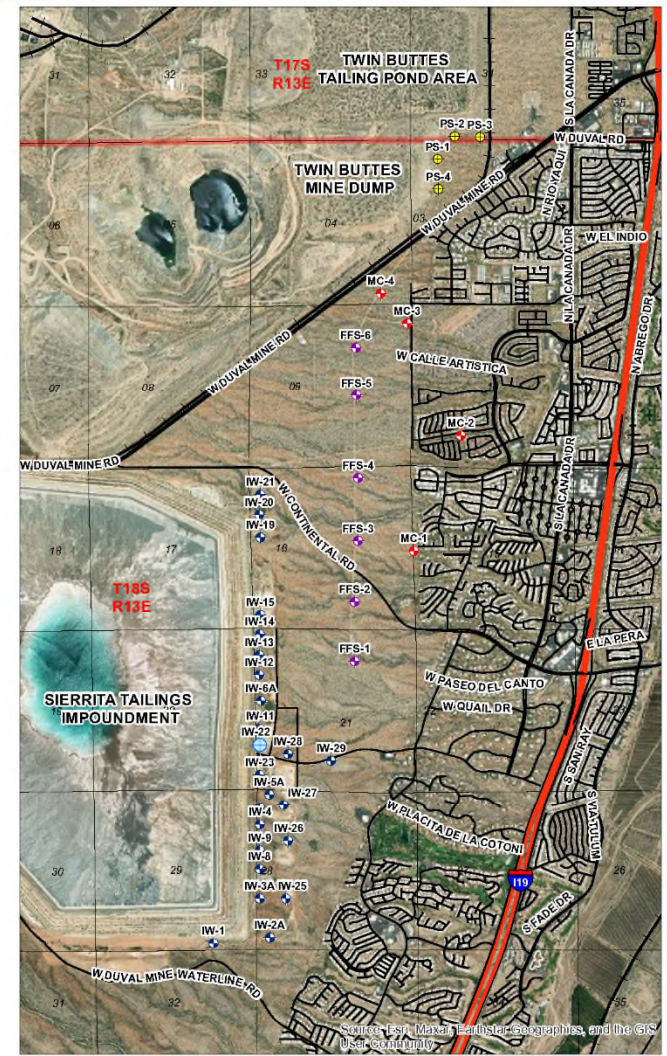
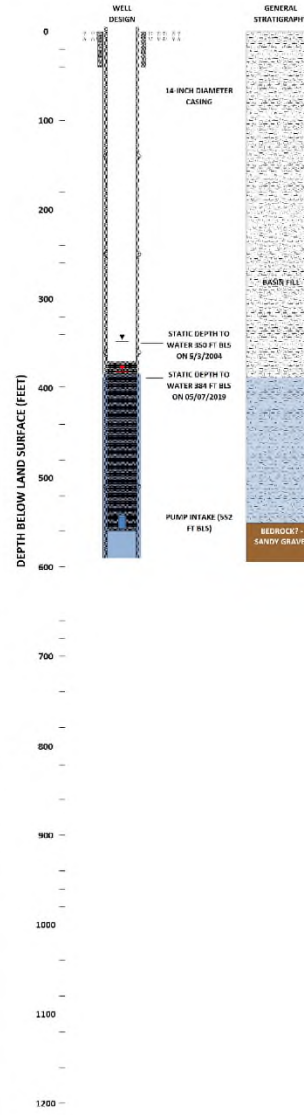
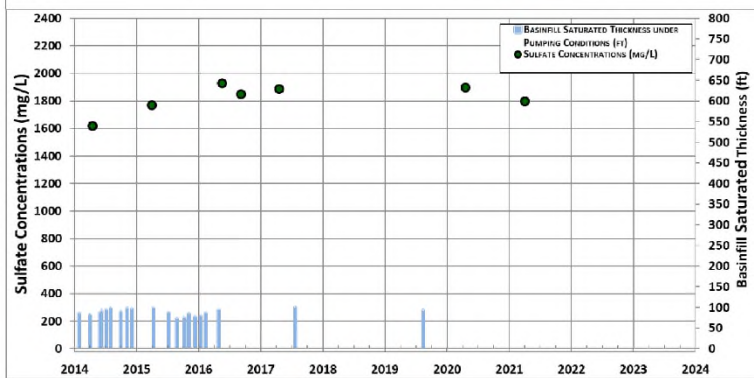
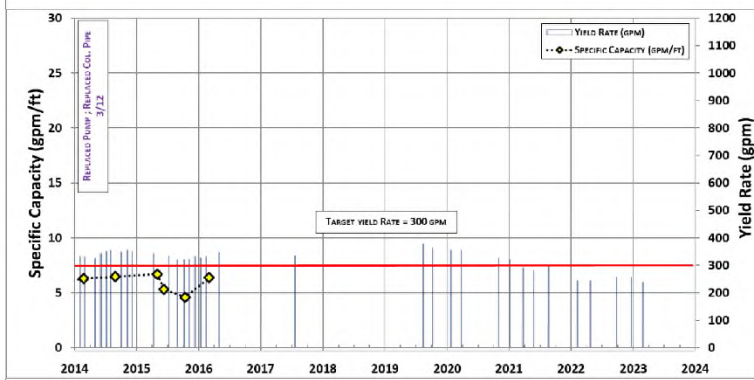
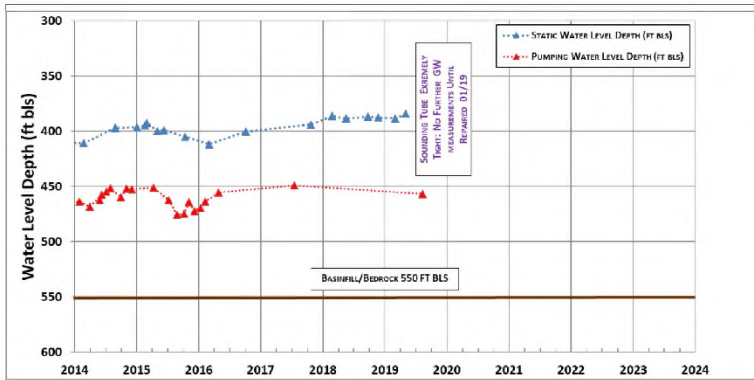




<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMORAN</b> COPPER &amp; GOLD</p>	<p>IW-10: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE</p>
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	<p>CADASTRAL: D-18-13 21CBC ADWR REG. NO.: 55-508237 DRILL YEAR: 1984</p>

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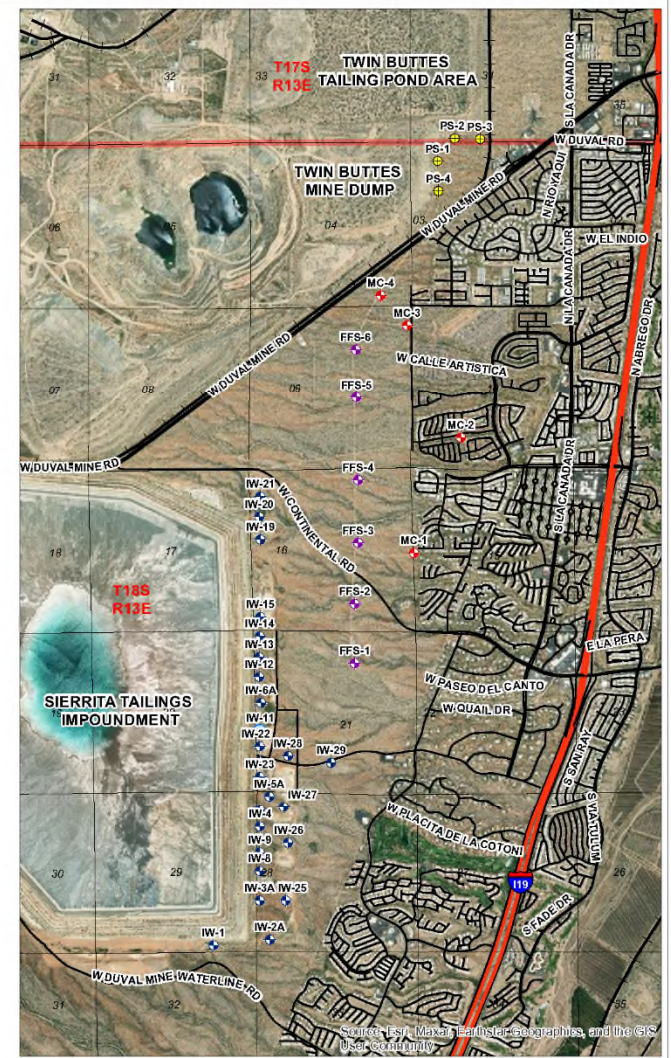
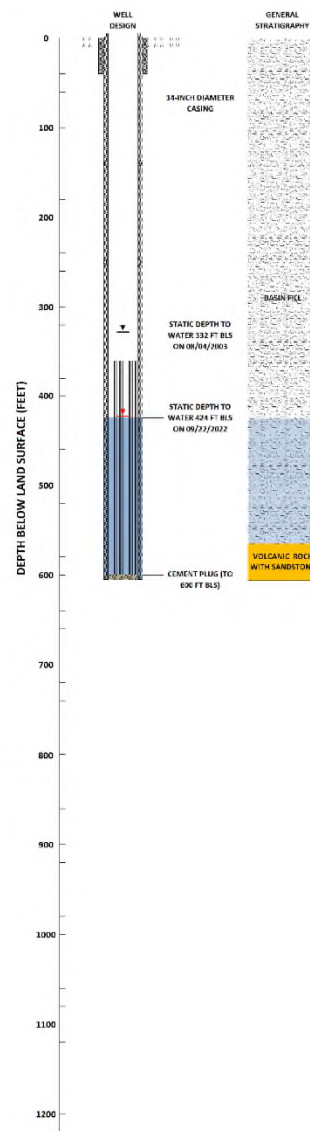
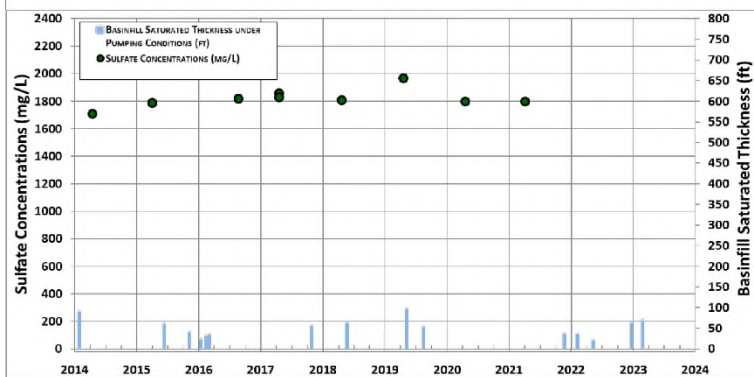
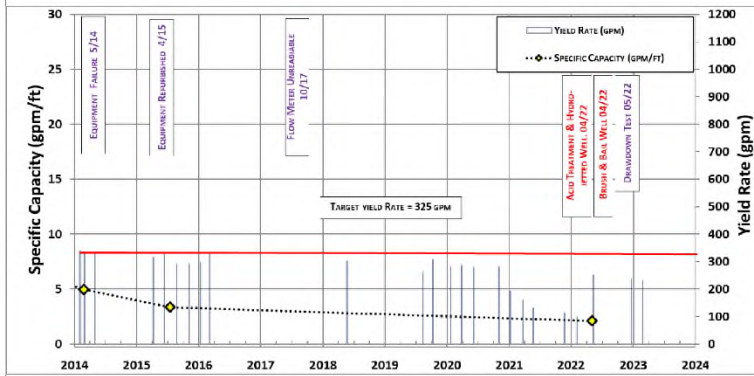
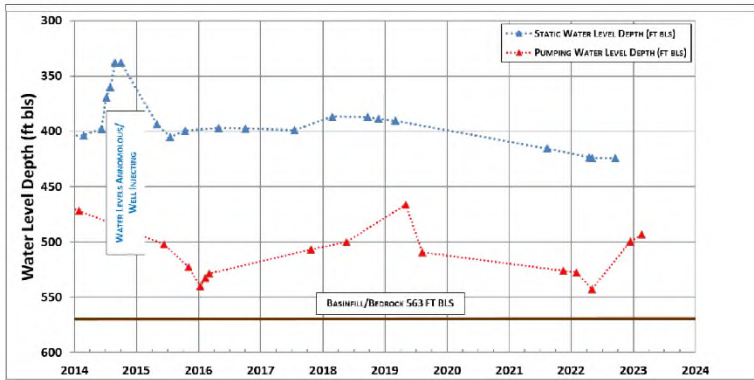




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-22: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 21CBC ADWR REG. NO.: 55-200554 DRILL YEAR: 2004

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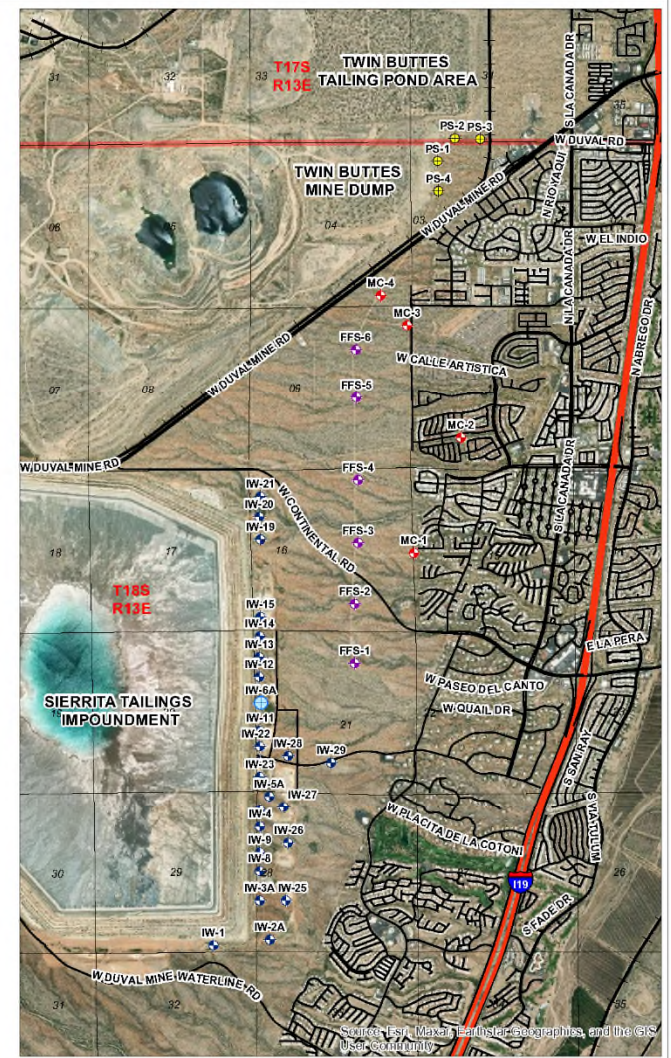
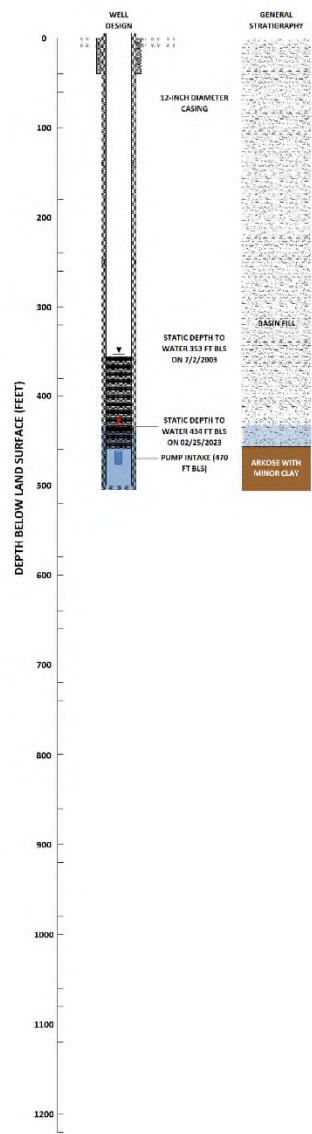
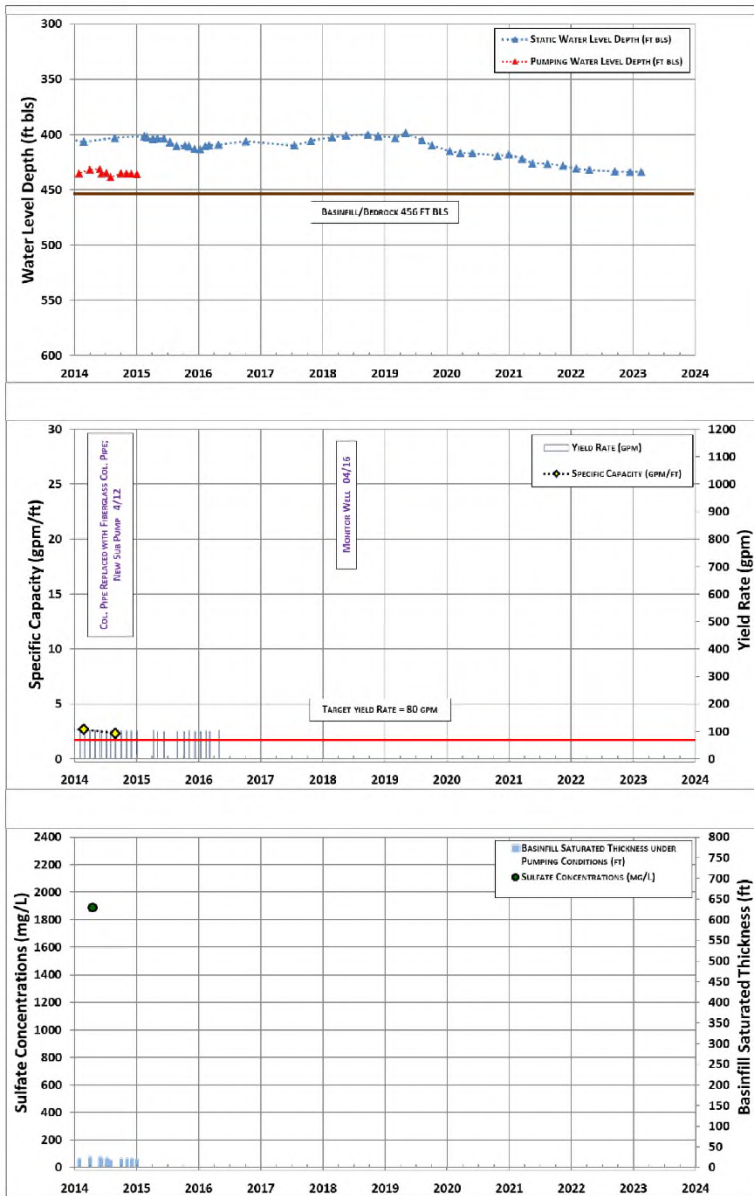




		IW-11: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	VERSION DATE: <b>FEBRUARY, 2023</b>	CADASTRAL: D-18-13 21CBC ADWR REG. NO.: 55-508235 DRILL YEAR: 1984

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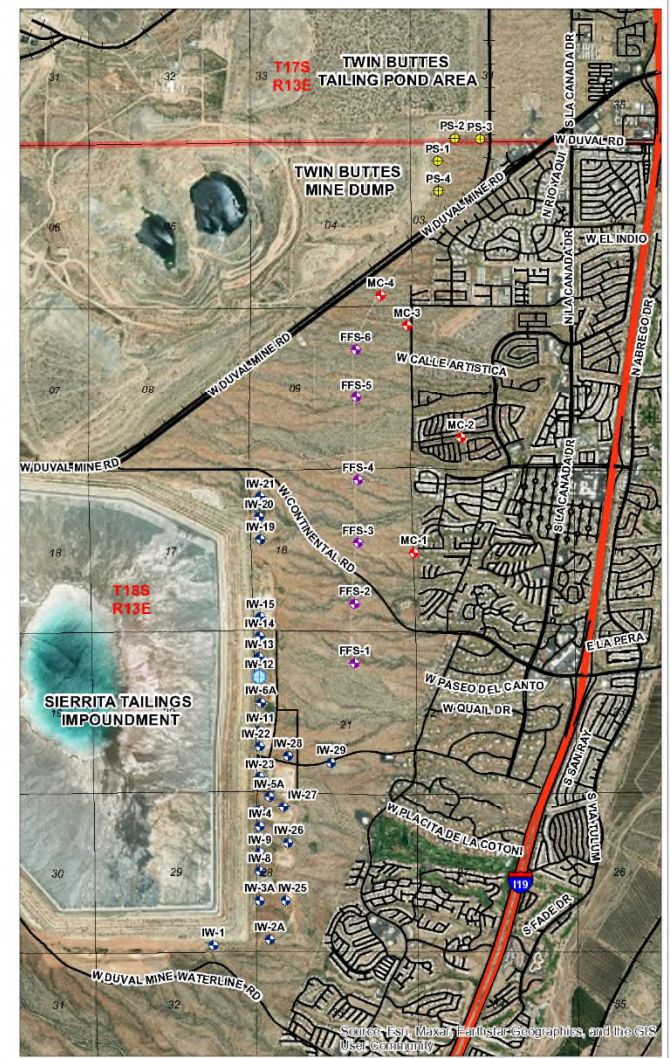
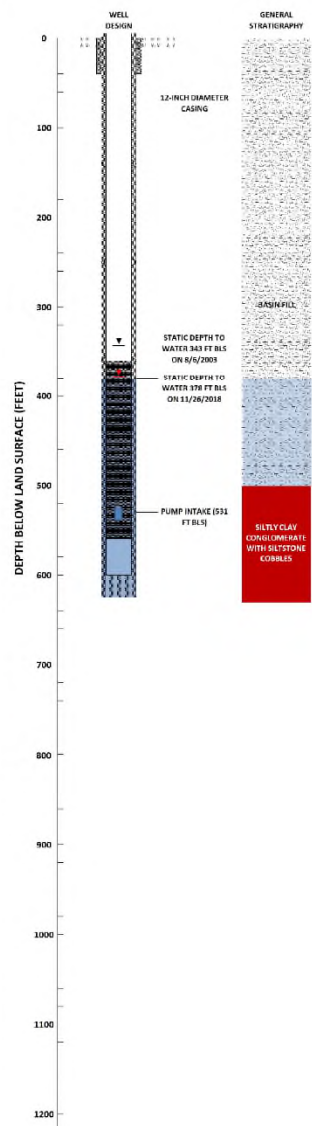
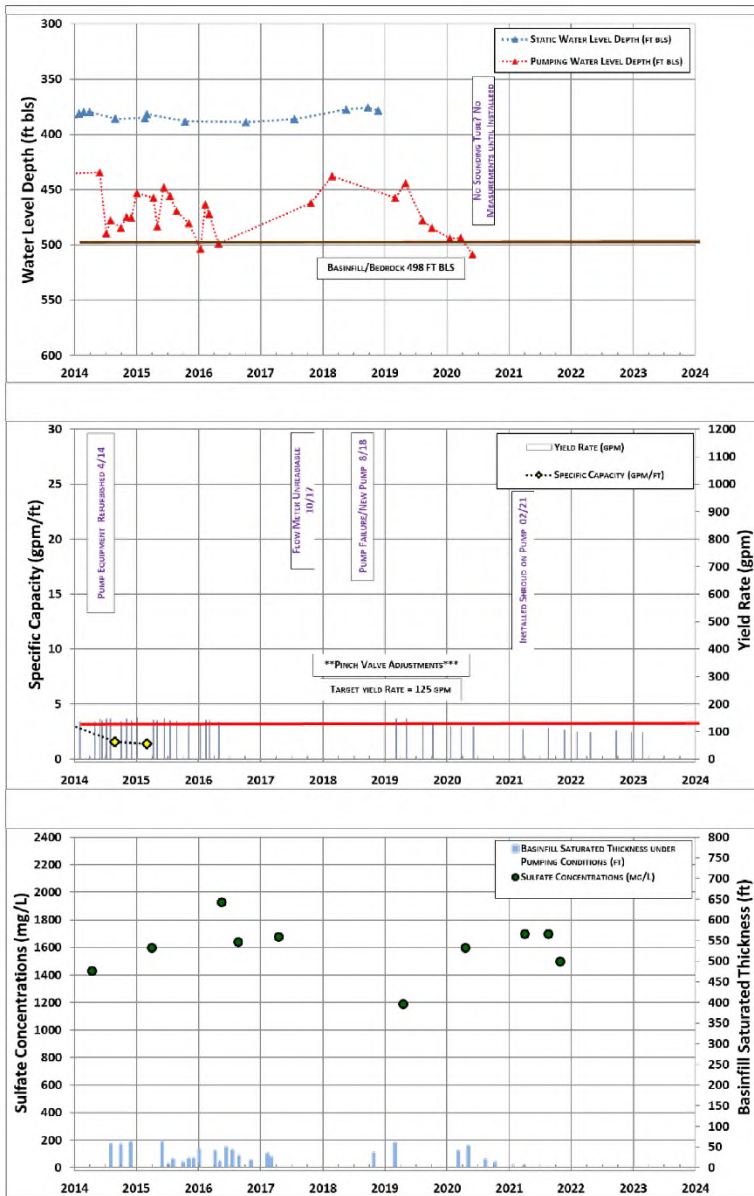




<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMoRAN</b> COPPER &amp; GOLD</p>	IW-6A: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  CADASTRAL: D-18-13 21BCC ADWR REG. NO.: 55-545565 DRILL YEAR: 1994
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	

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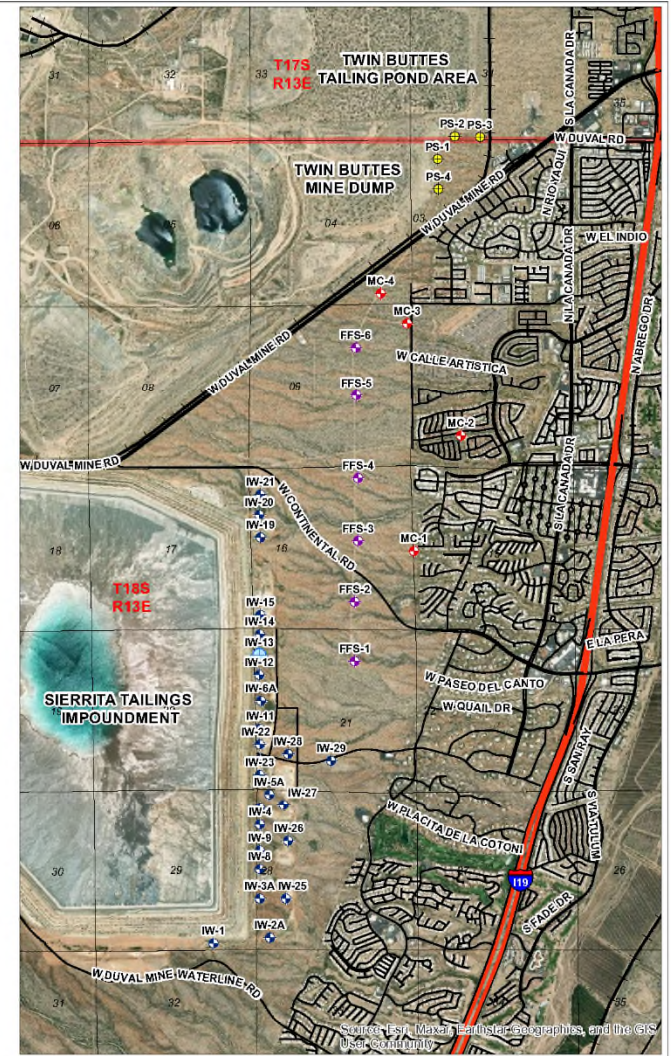
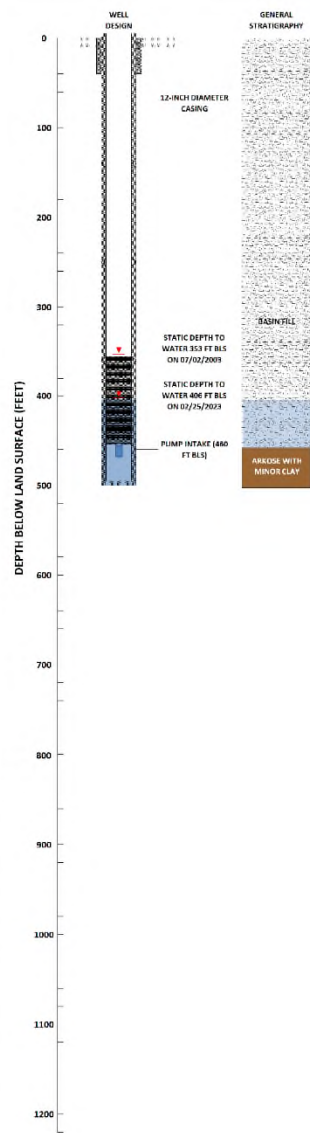
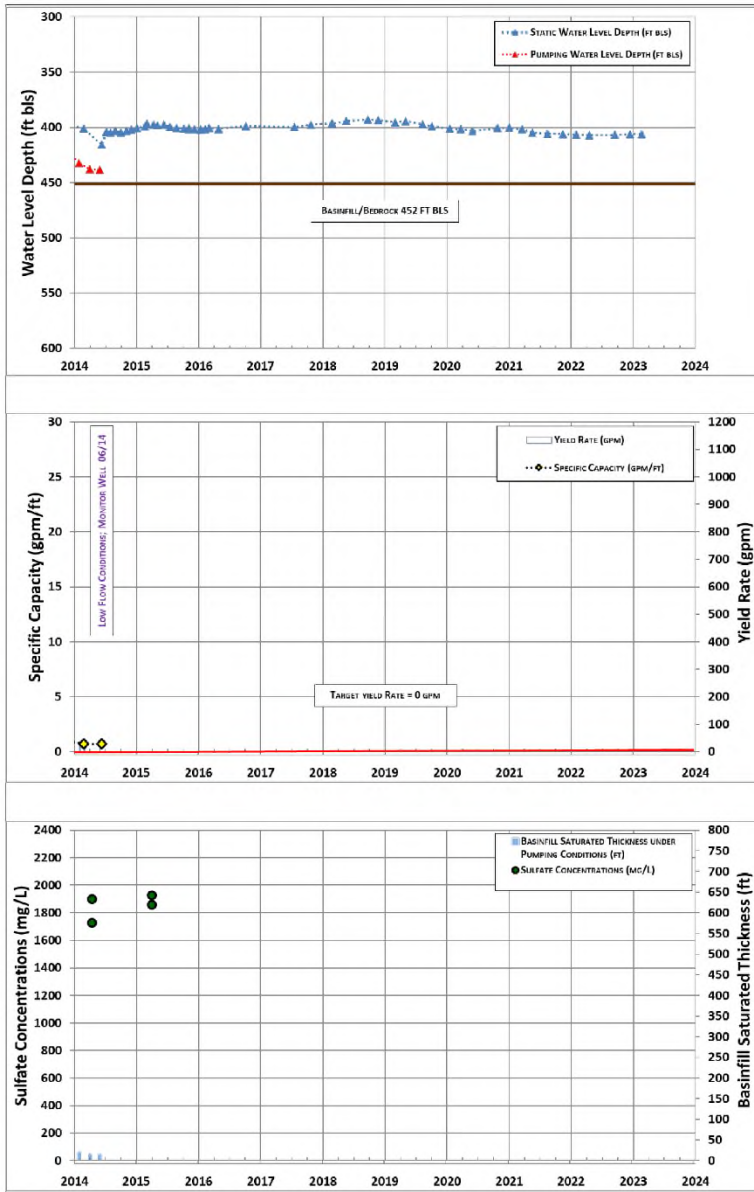




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-12: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	VERSION DATE: <b>FEBRUARY, 2023</b>	CADASTRAL: D-18-13 21BCB ADWR REG. NO.: 55-545555 DRILL YEAR: 1994

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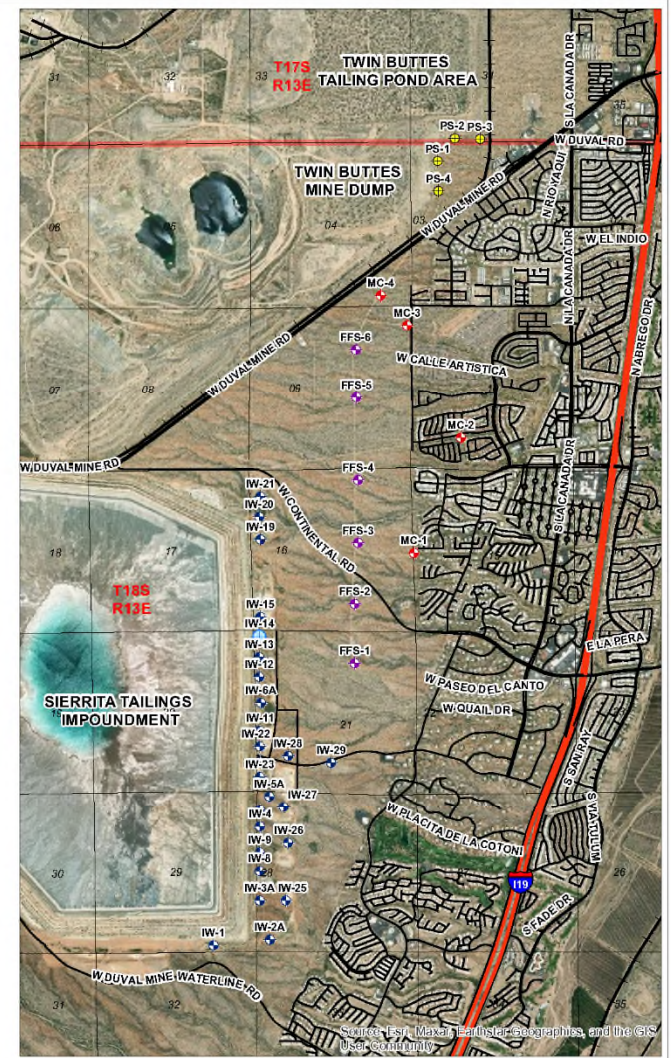
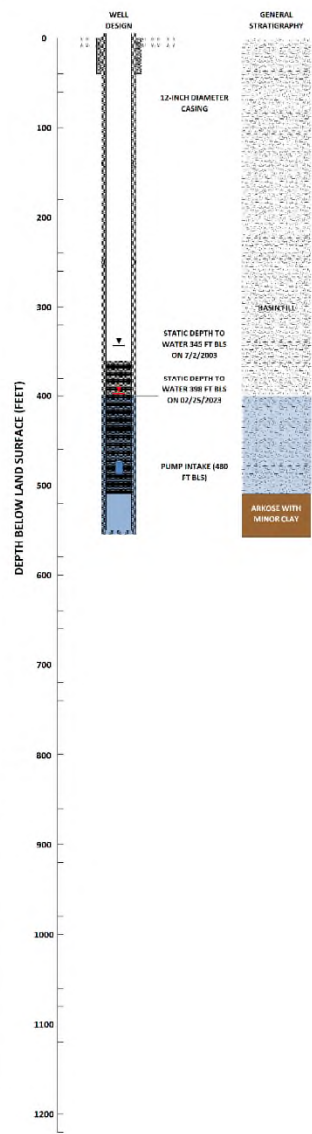
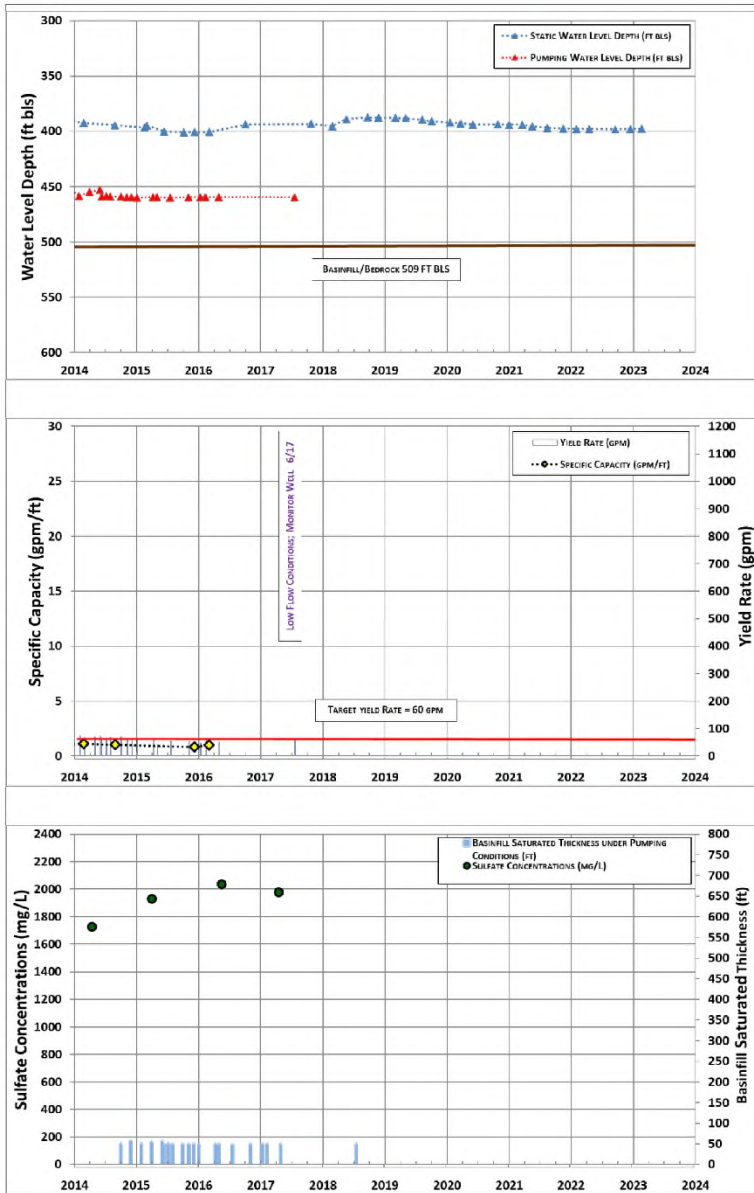




<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMoRAN</b> COPPER &amp; GOLD</p>	IW-13: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 21BBC ADWR REG. NO.: 55-545556 DRILL YEAR: 1994

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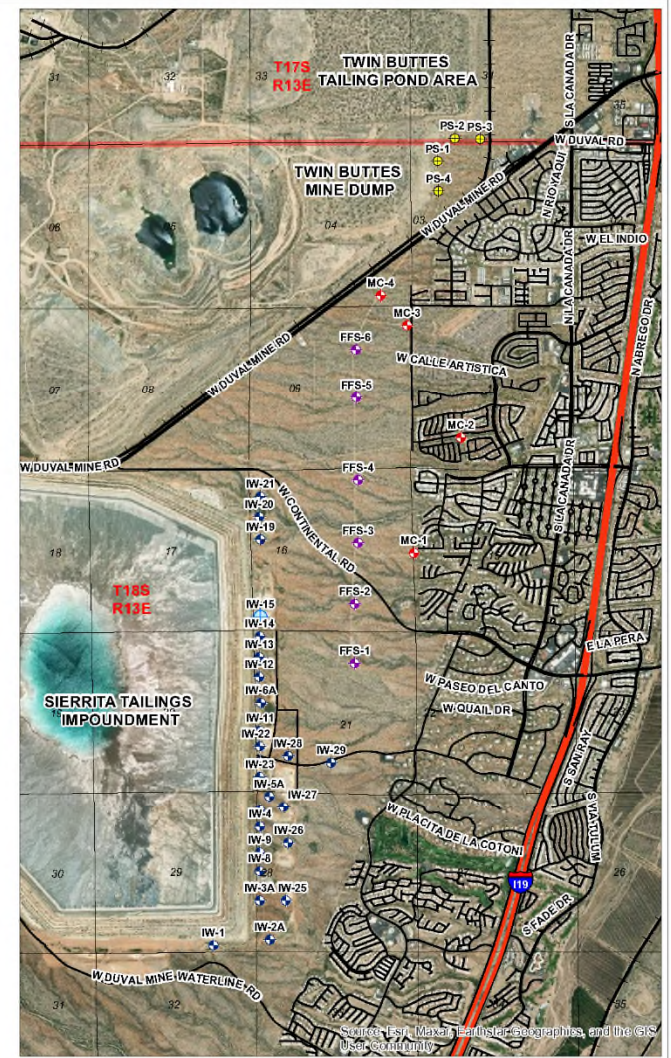
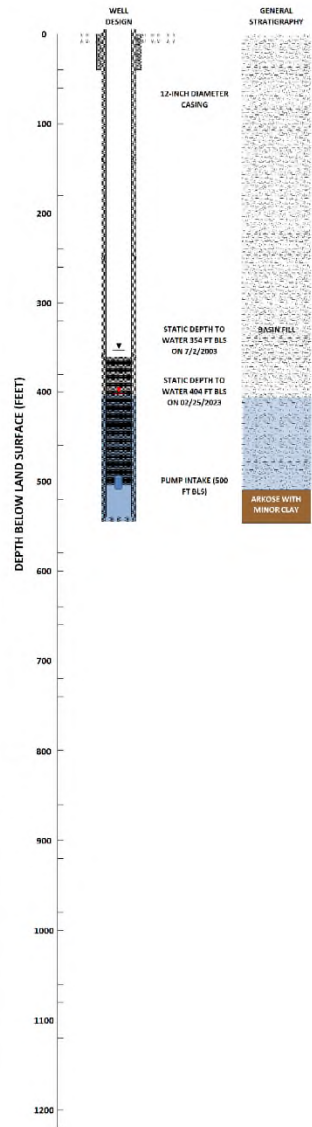
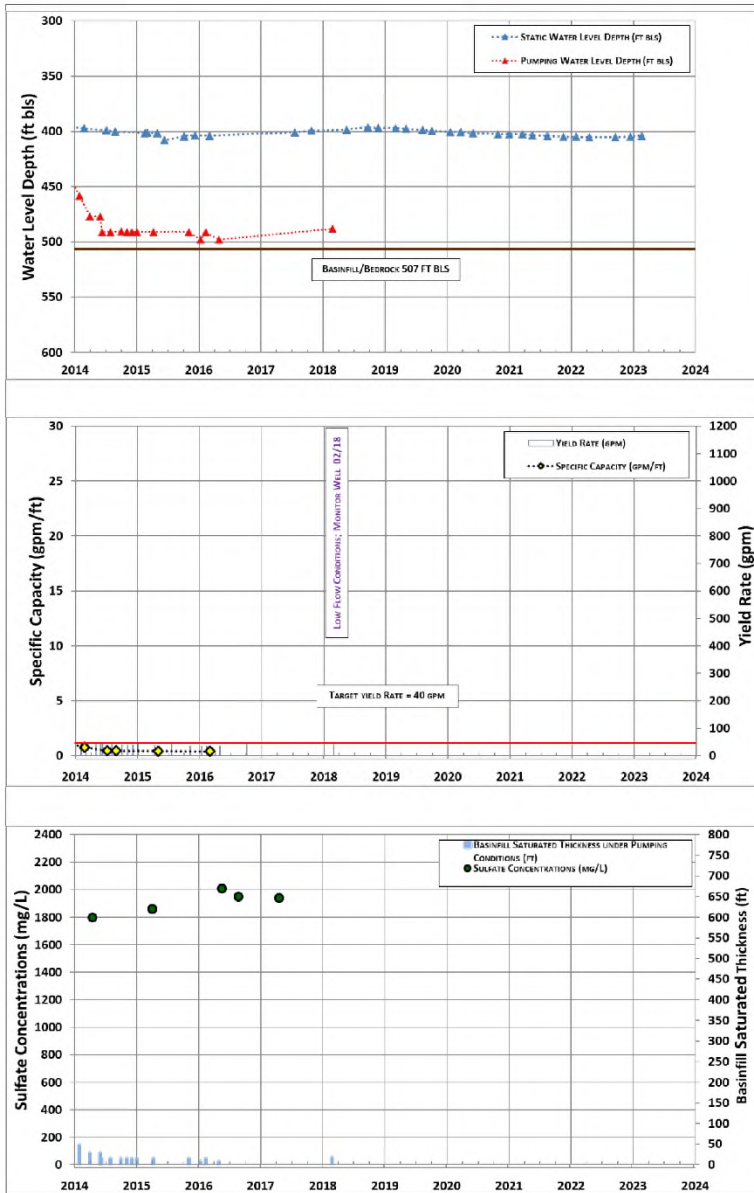




<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMoRAN</b> COPPER &amp; GOLD</p>	IW-14: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 21BBB ADWR REG. NO.: 55-545557 DRILL YEAR: 1994

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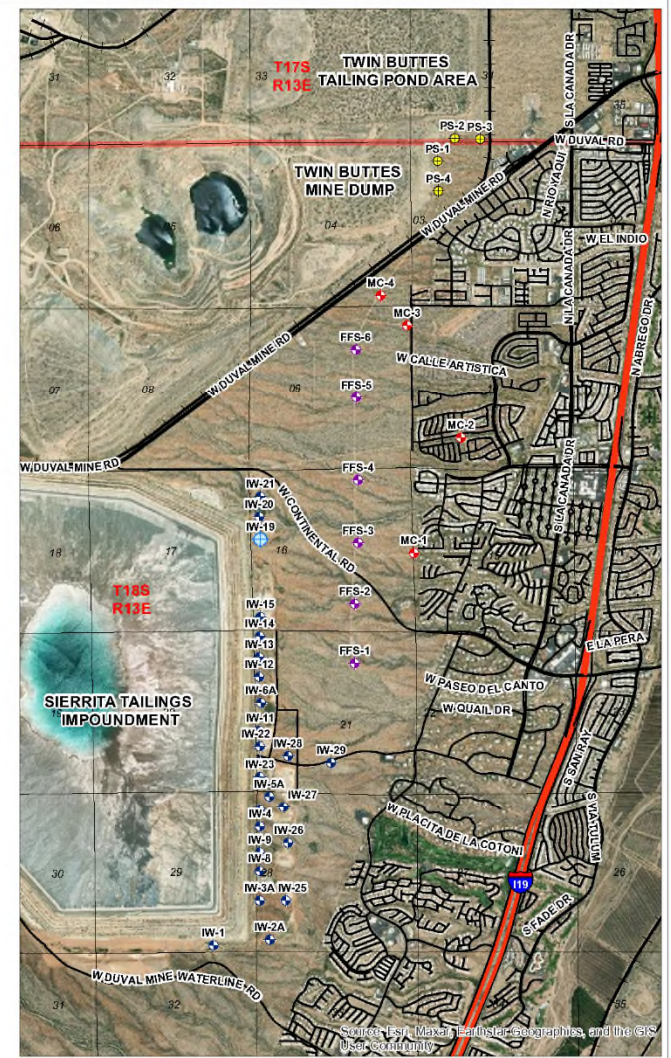
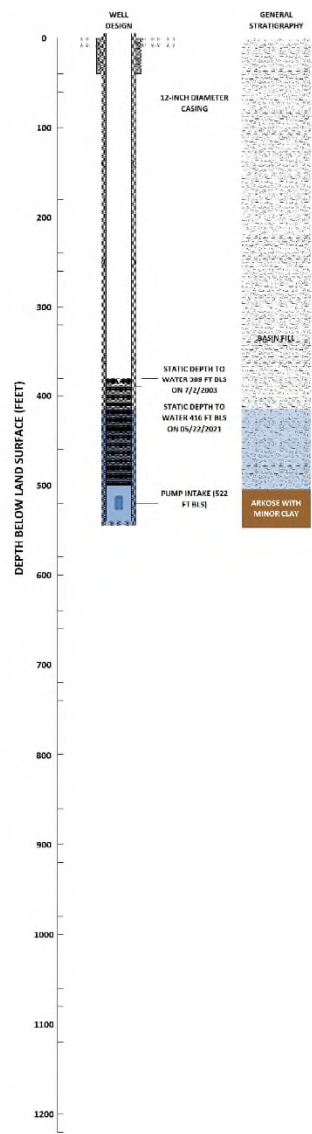
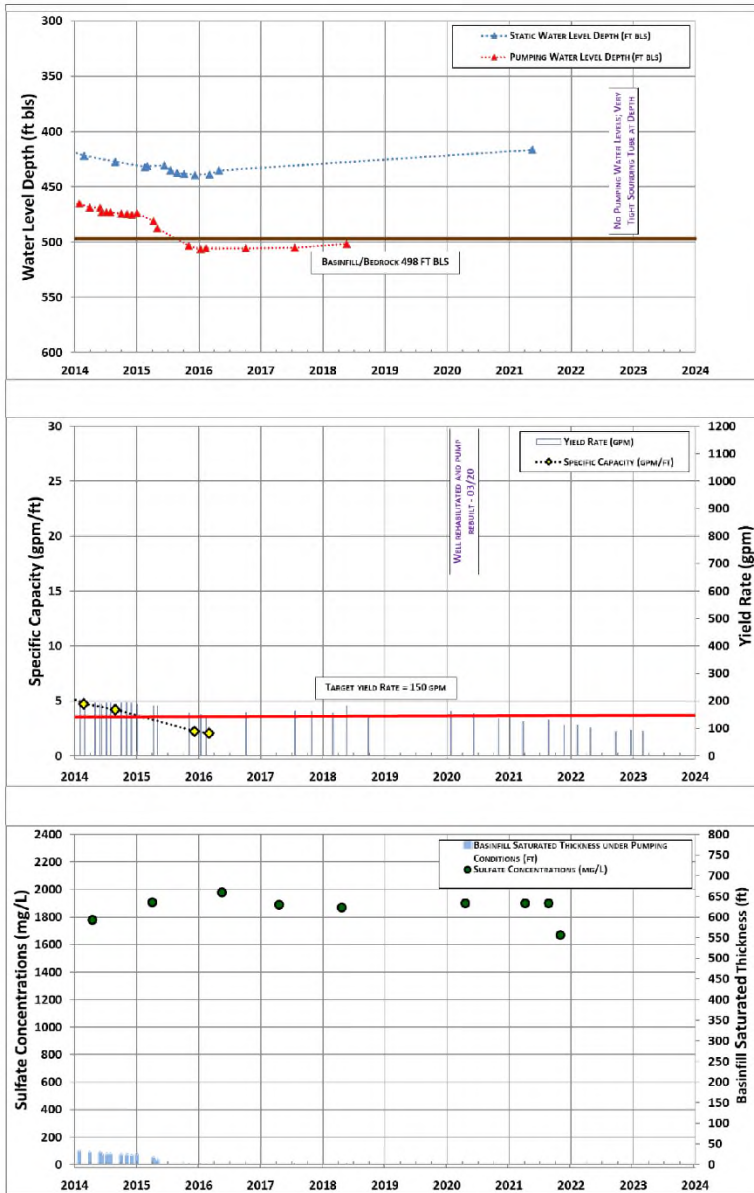




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-15: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 16CCC ADWR REG. NO.: 55-545558 DRILL YEAR: 1995

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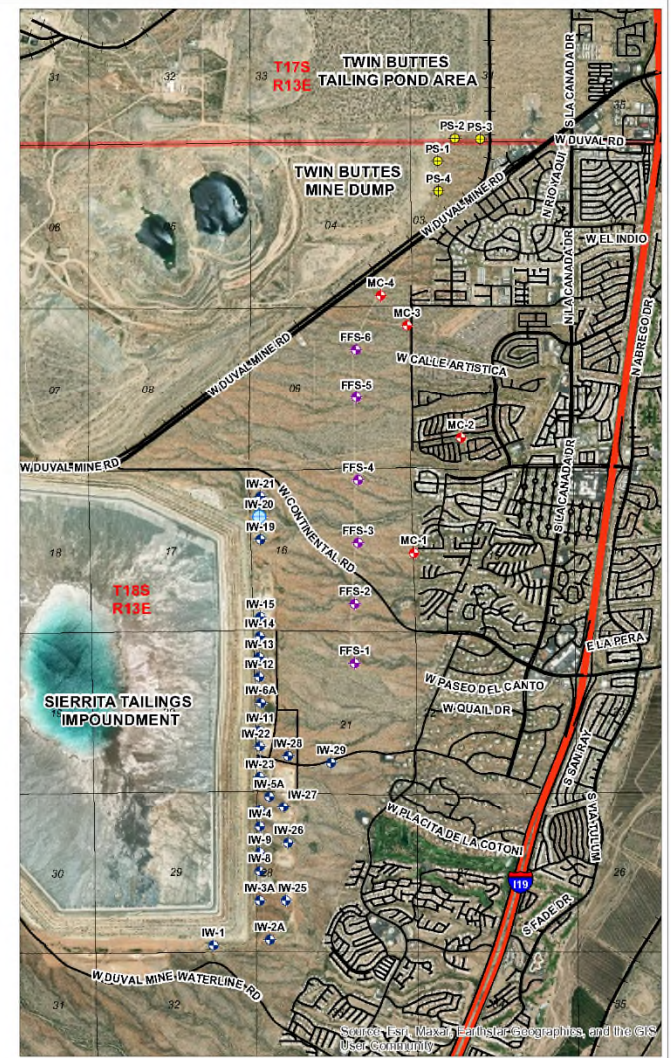
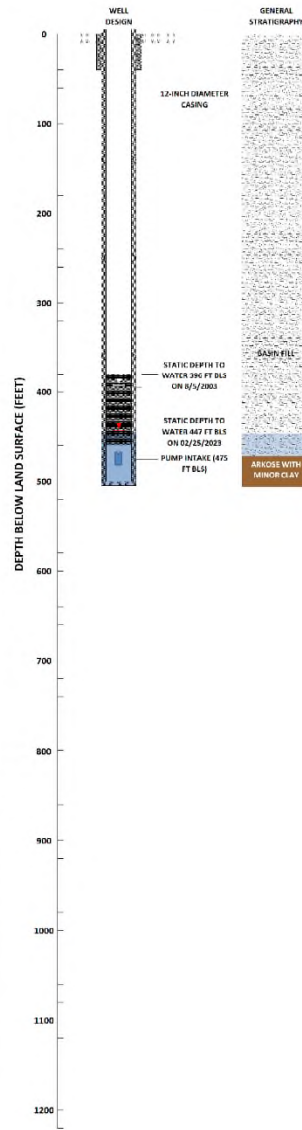
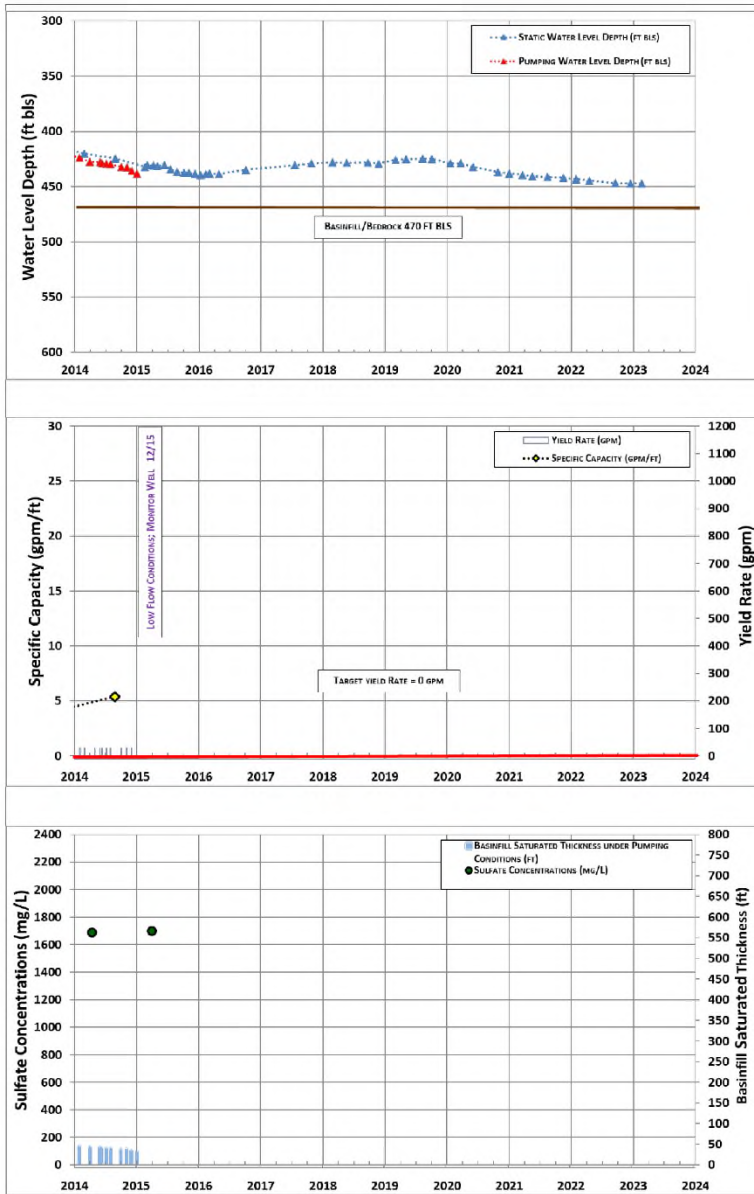




<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMORAN</b> COPPER &amp; GOLD</p>	IW-19: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  CADASTRAL: D-18-13 16BCC ADWR REG. NO.: 55-545562 DRILL YEAR: 1995
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	

**BasinWells Associates PLLC**

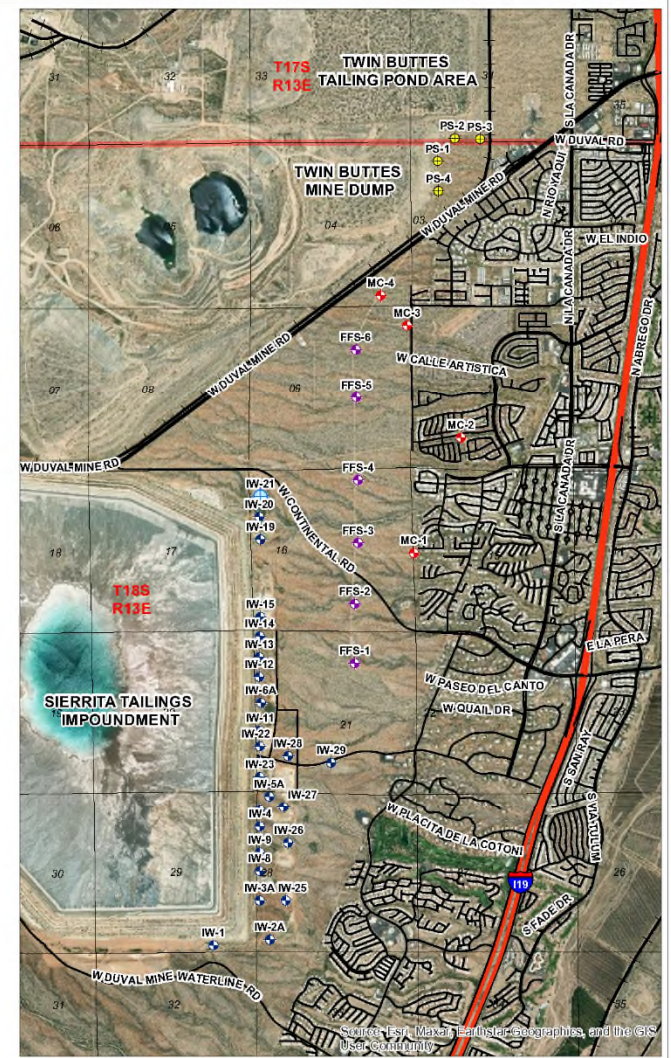
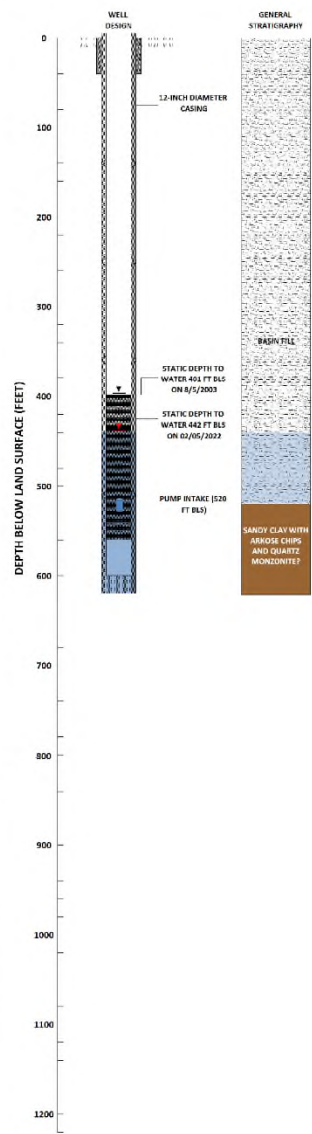
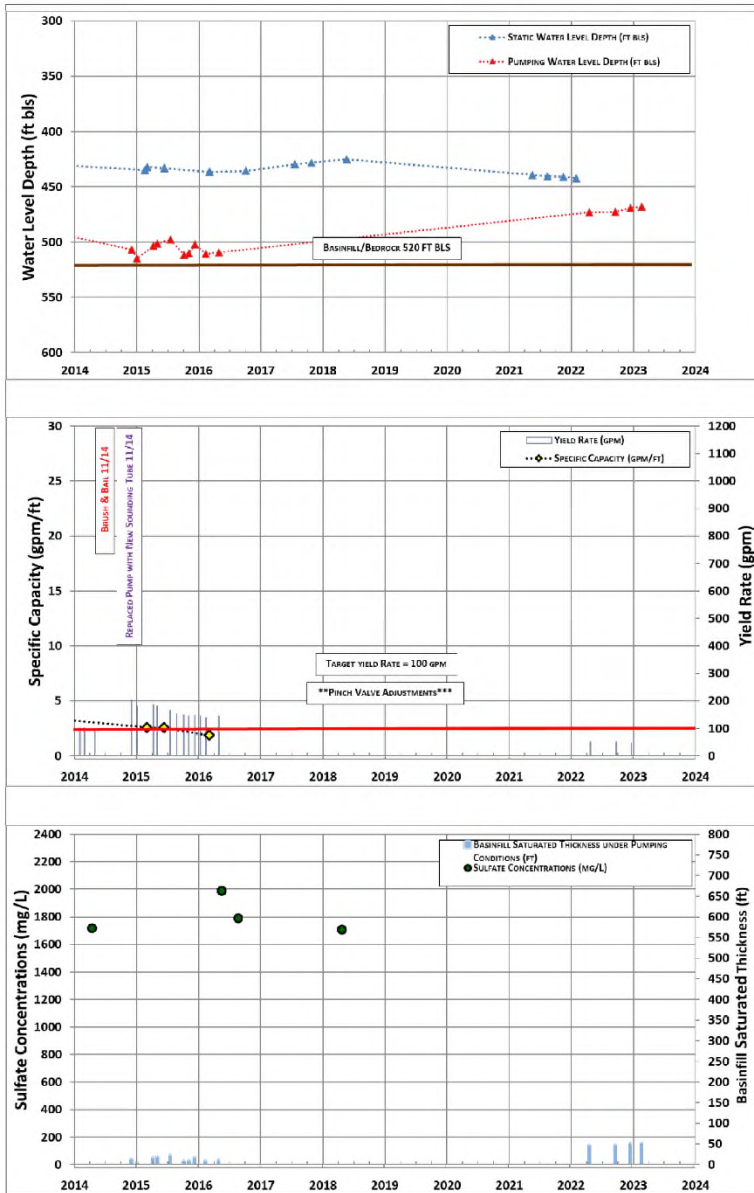




<p><b>BasinWells</b> ASSOCIATES PLLC</p> <p><small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMoRAN</b> COPPER &amp; GOLD</p>	IW-20: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  CADASTRAL: D-18-13 16BCB ADWR REG. NO.: 55-545563 DRILL YEAR: 1995
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	

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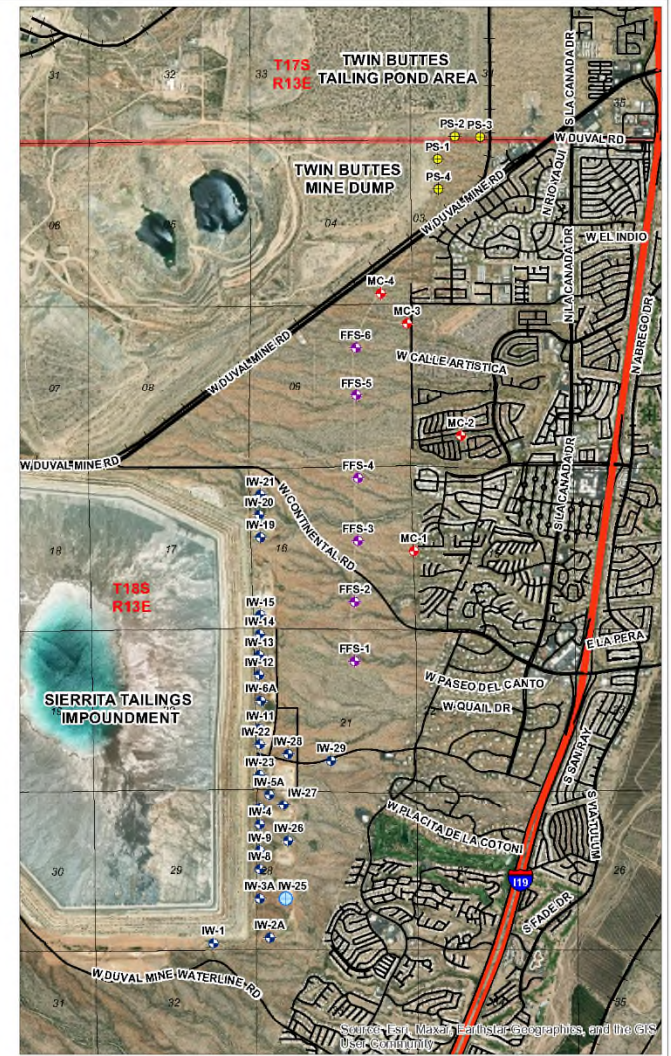
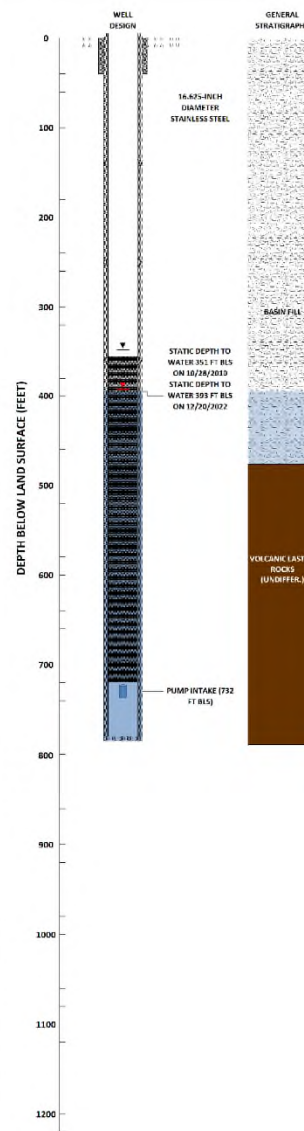
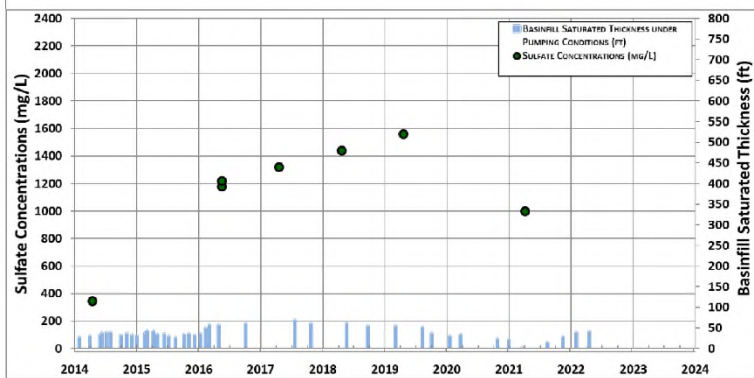
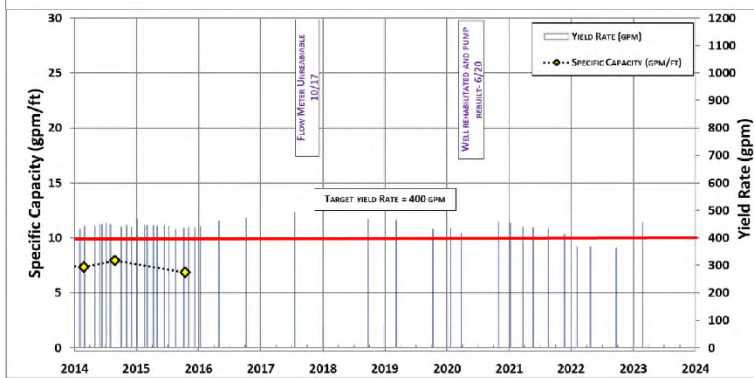
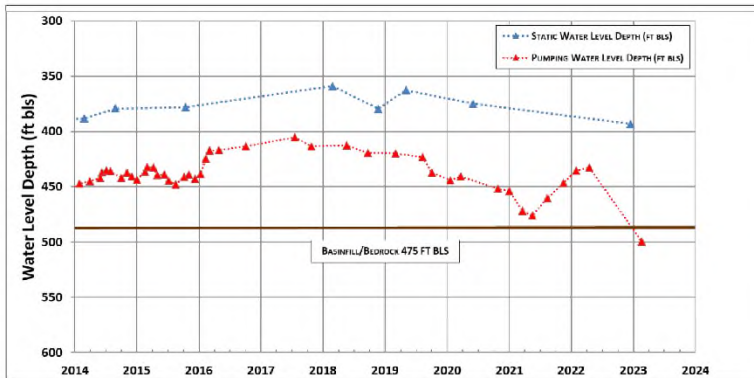




<p><b>BasinWells</b> ASSOCIATES PLLC</p> <p><small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMoRAN</b> COPPER &amp; GOLD</p>	IW-21: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  CADASTRAL: D-18-13 16BBC ADWR REG. NO.: 55-545564 DRILL YEAR: 1995
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	

**BasinWells Associates PLLC**

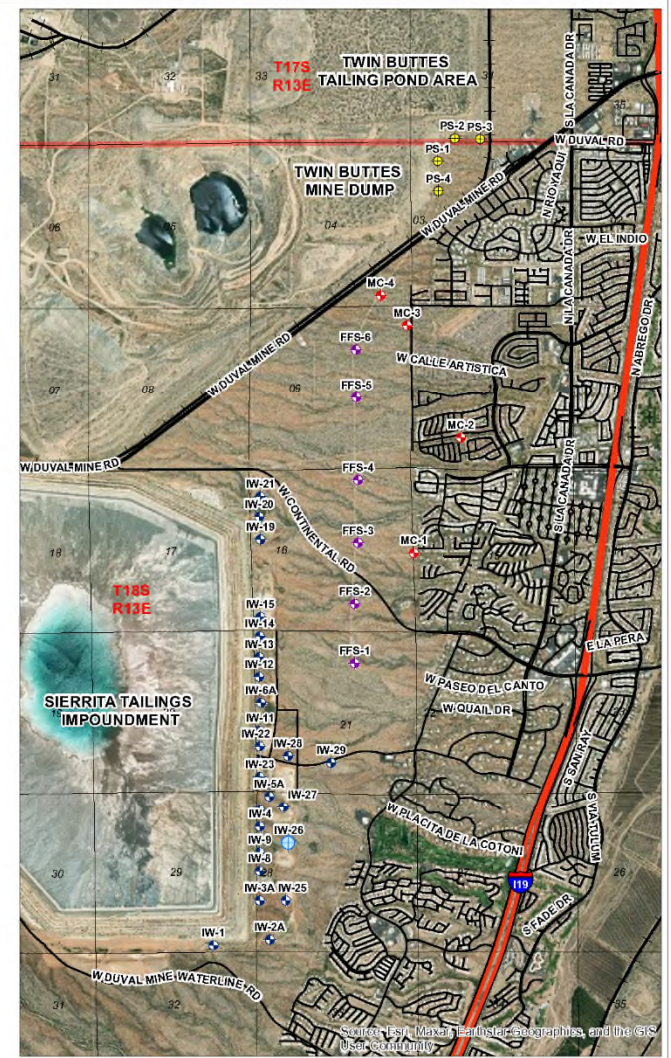
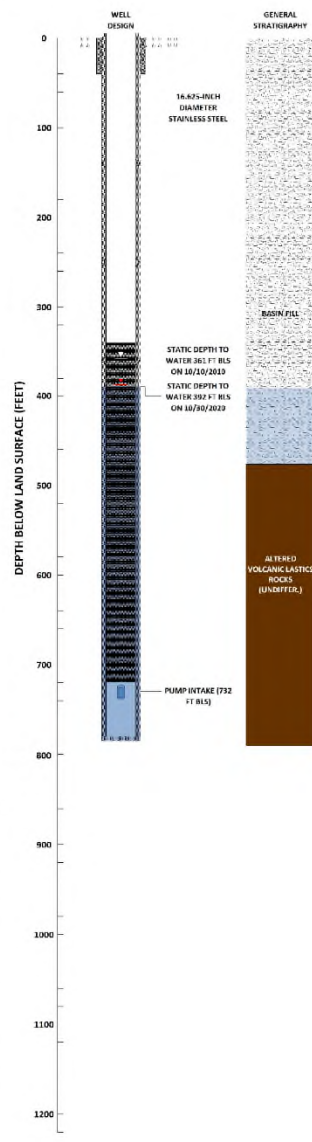
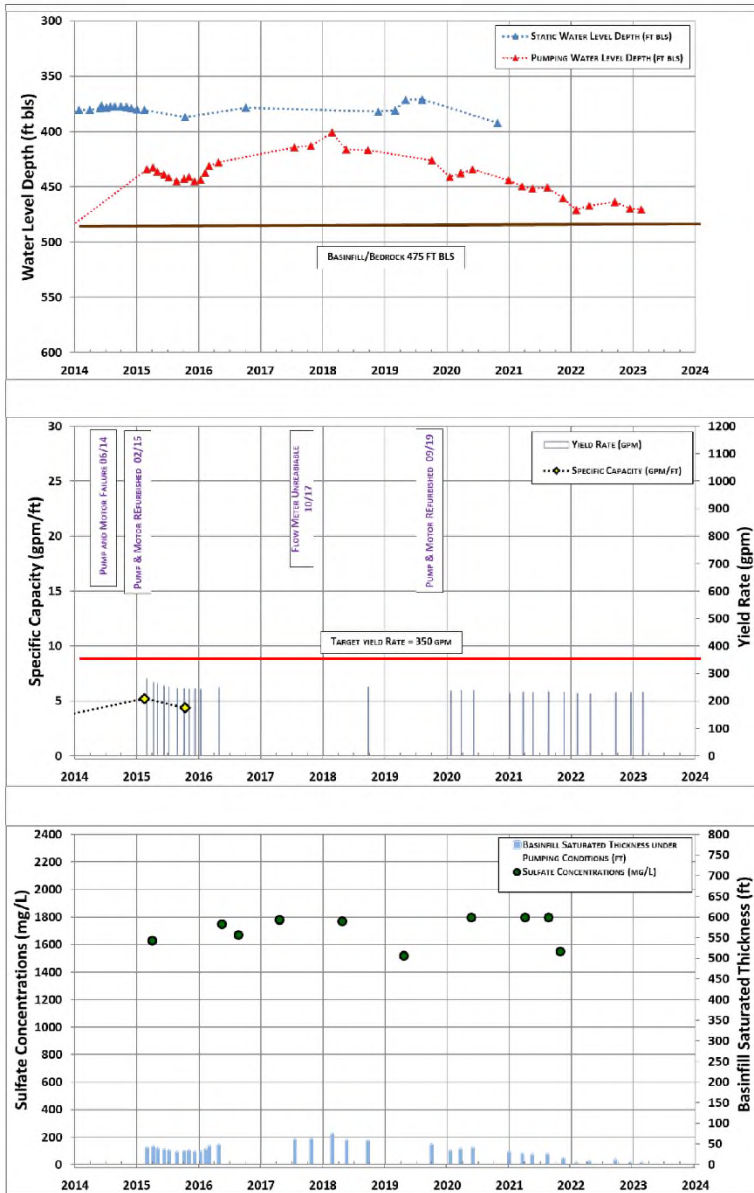




<p>SPECIALIZED HYDROLOGICAL DEVELOPMENT</p>		IW-25: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 28CBD ADWR REG. NO.: 55-219596 DRILL YEAR: 2010

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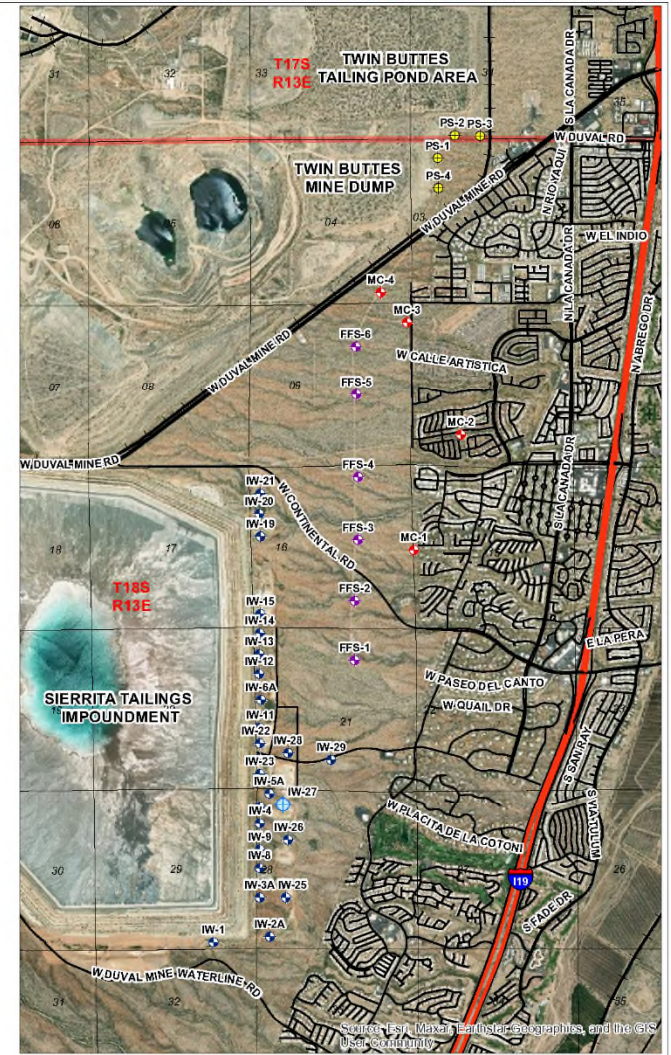
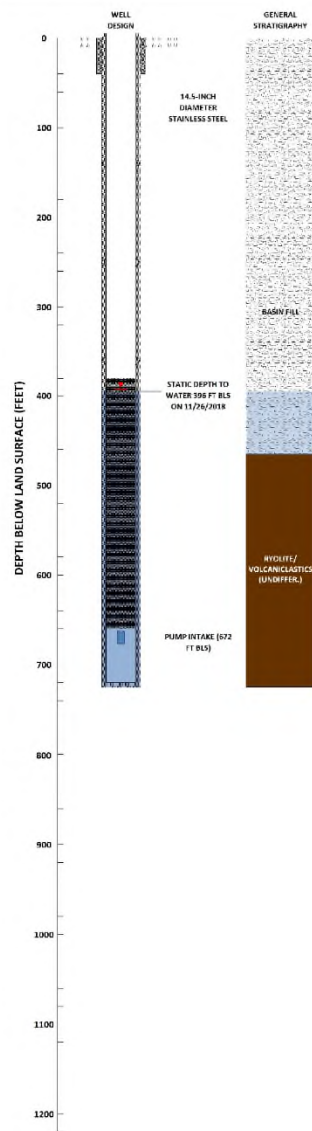
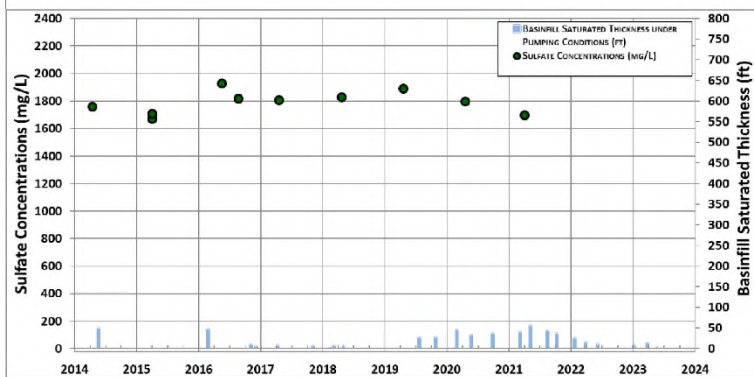
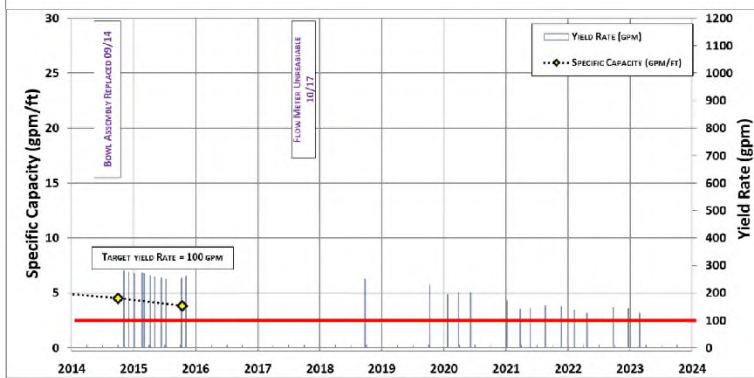
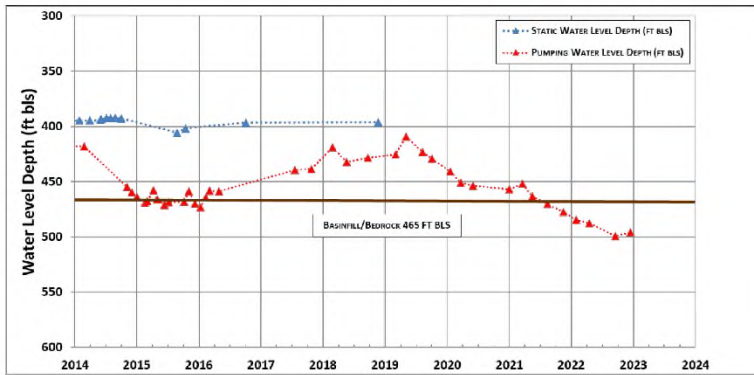




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-26: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 28BCD ADWR REG. NO.: 55-219143 DRILL YEAR: 2010

**BasinWells Associates PLLC**

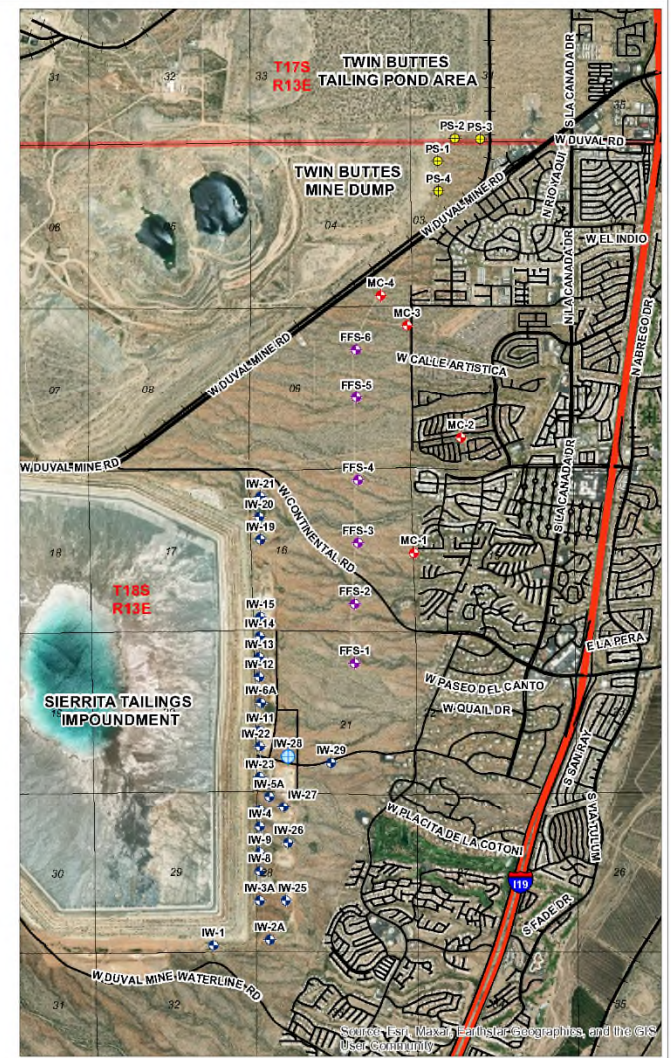
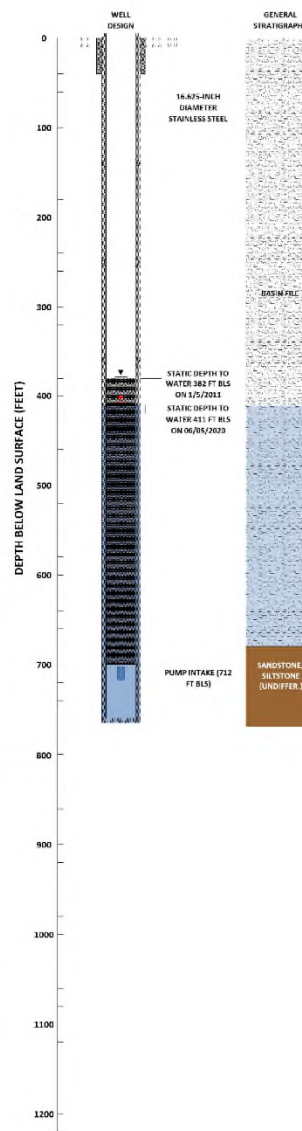
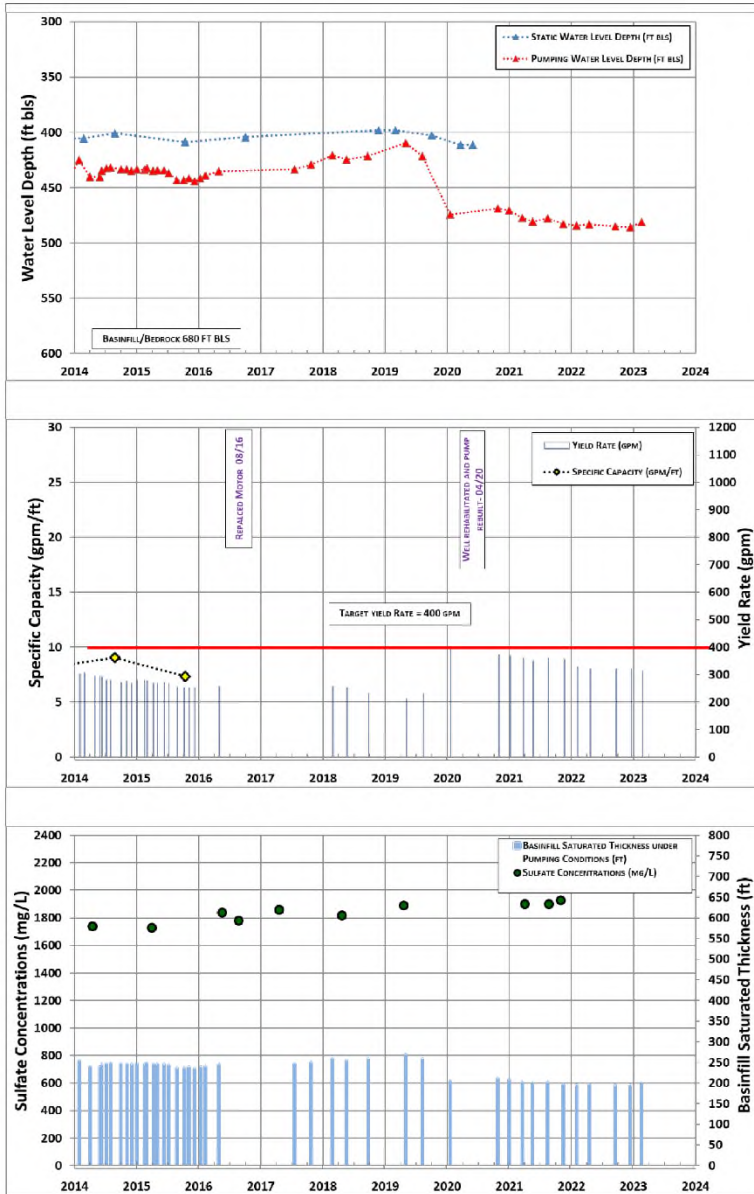




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		IW-27: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 288BD ADWR REG. NO.: 55-219136 DRILL YEAR: 2010

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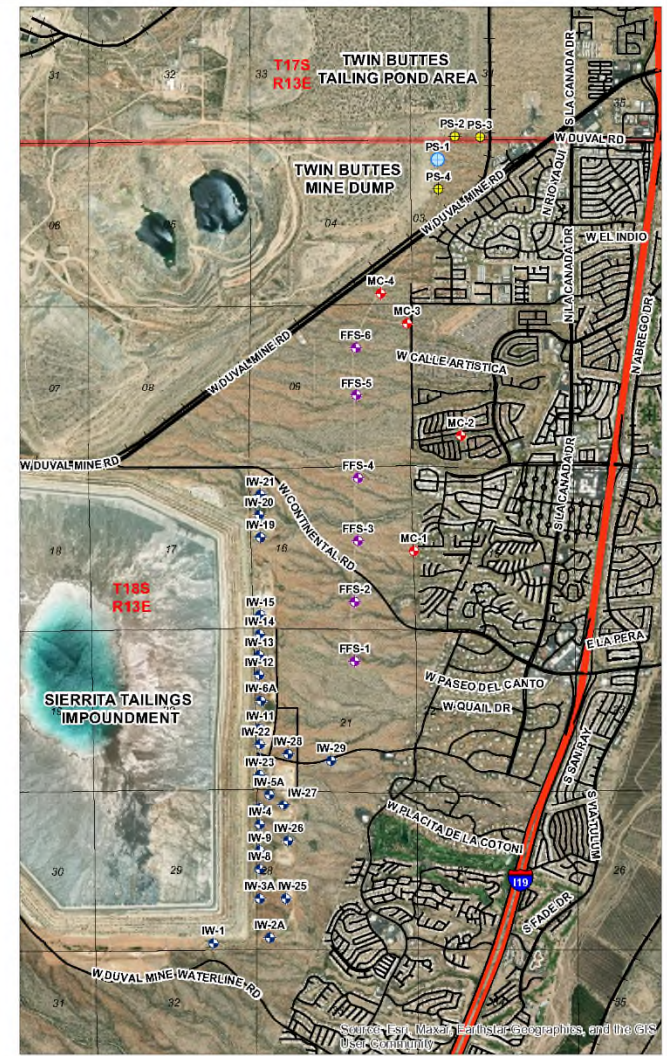
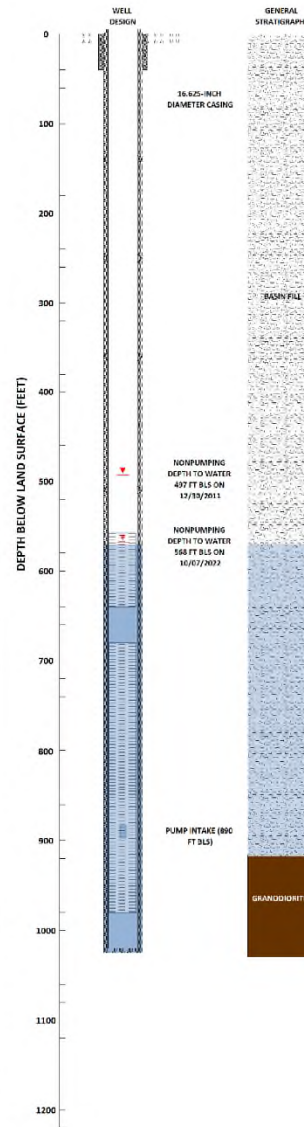
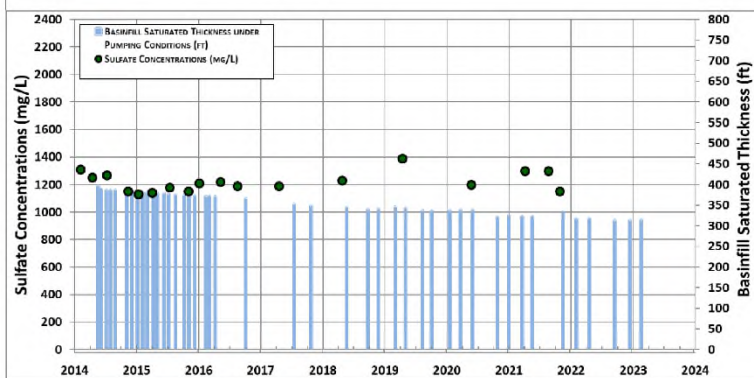
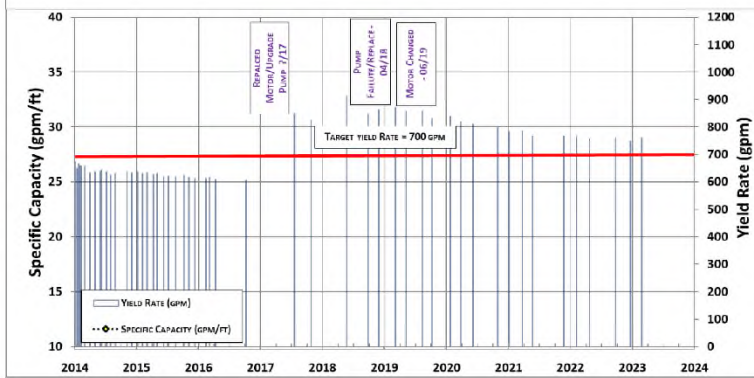
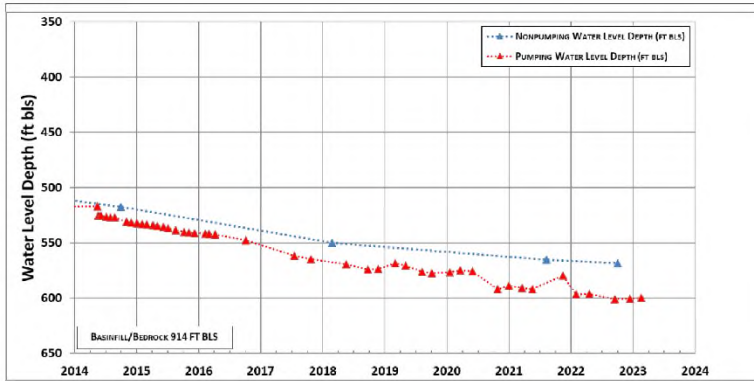
<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMoRAN</b> COPPER &amp; GOLD</p>	IW-28: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  CADASTRAL: D-18-13 21CCA ADWR REG. NO.: 55-219137 DRILL YEAR: 2010
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	

**BasinWells Associates PLLC**









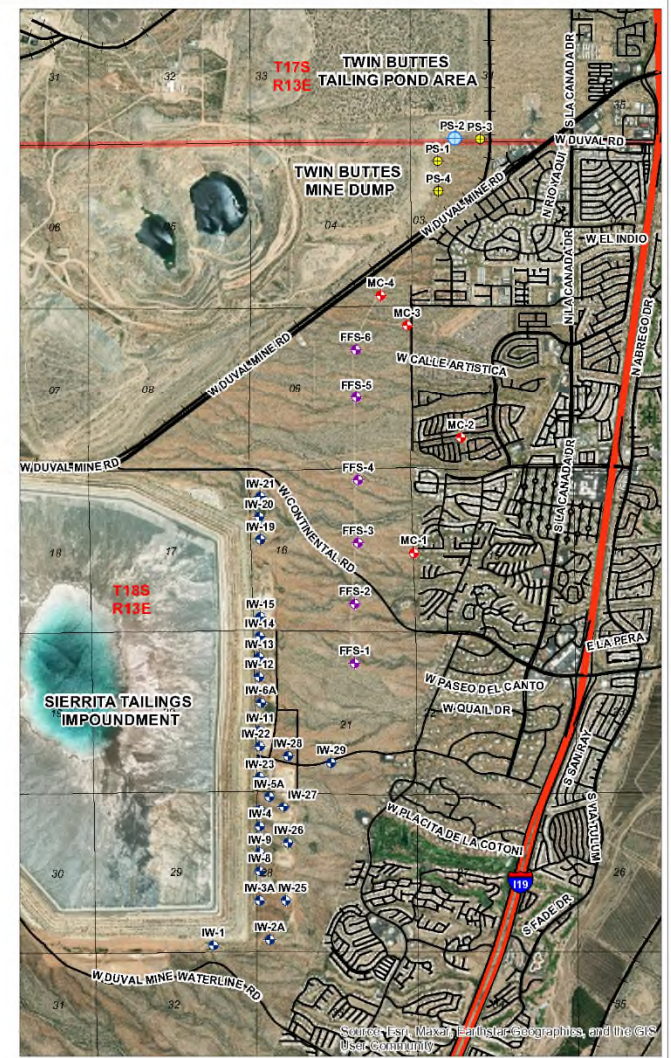
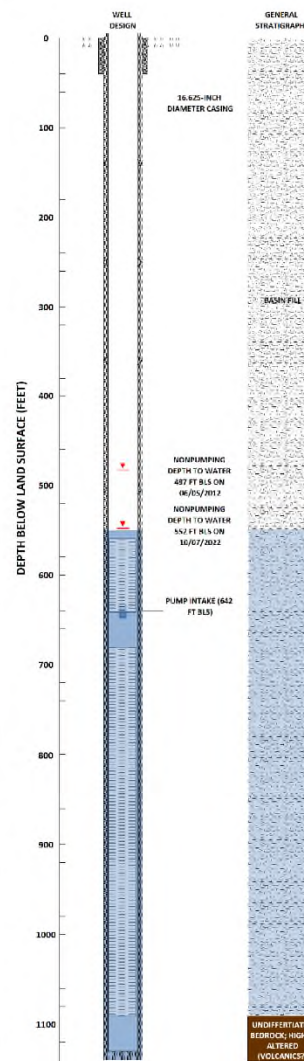
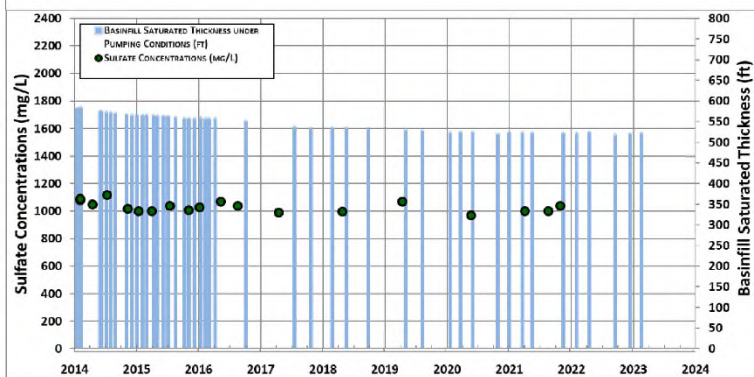
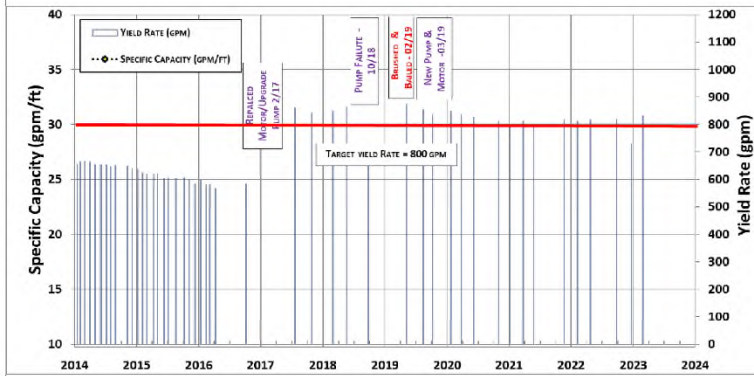
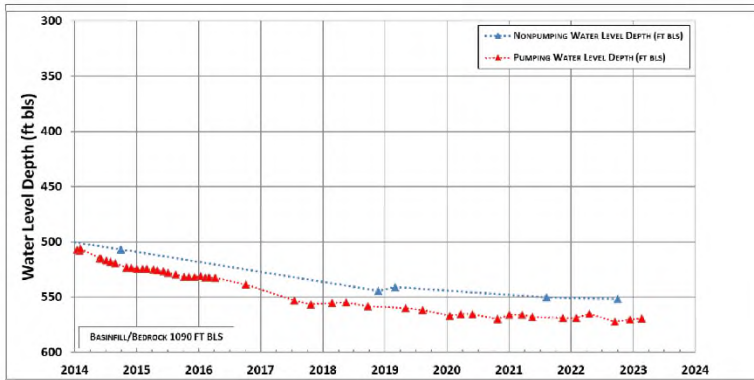
**BasinWells**  
ASSOCIATES PLLC  
SPECIALISTS IN GROUNDWATER DEVELOPMENT

**Freeport-McMoRan**  
COPPER & GOLD  
  
**VERSION DATE:**  
**FEBRUARY, 2023**

PS-1: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE  
  
CADASTRAL: D-18-13 03BBA  
ADWR REG. NO.: 55-220861  
DRILL YEAR: 2011

**BasinWells Associates PLLC**





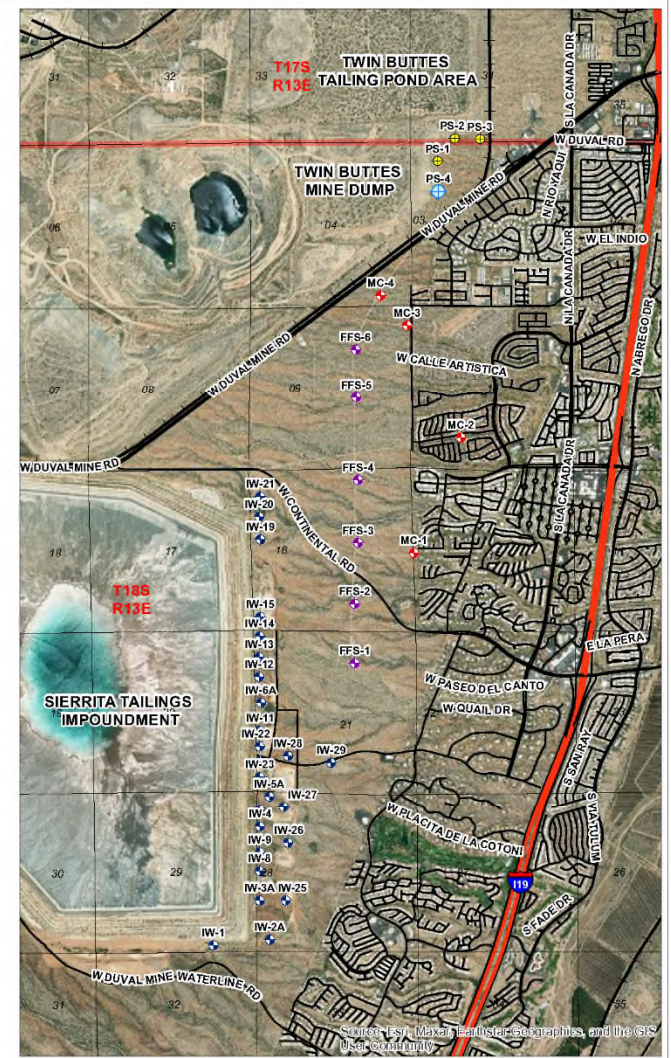
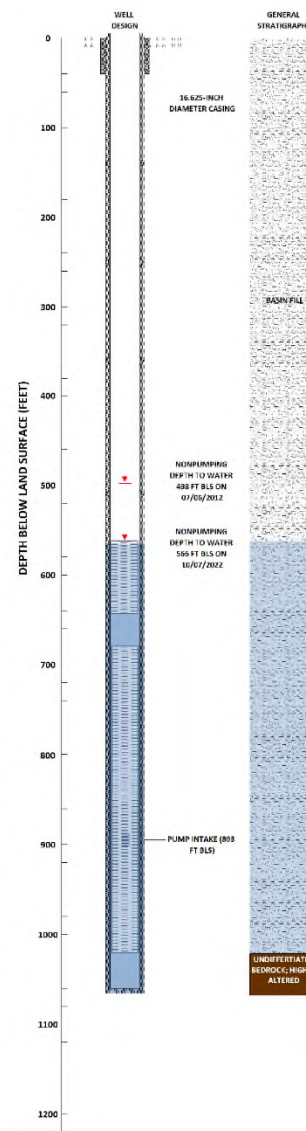
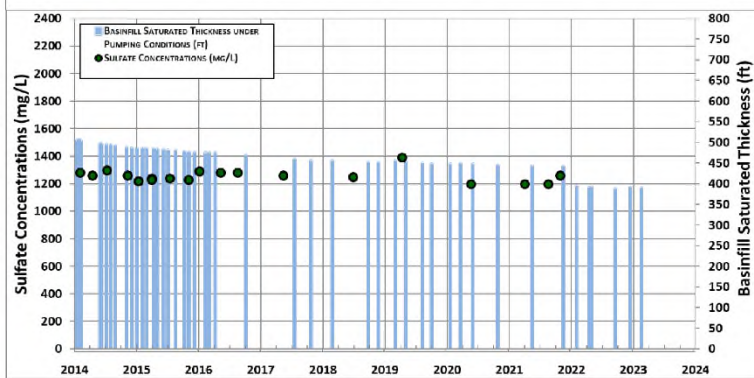
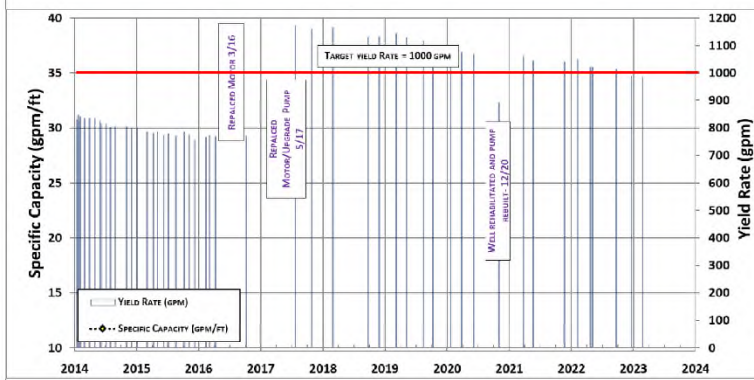
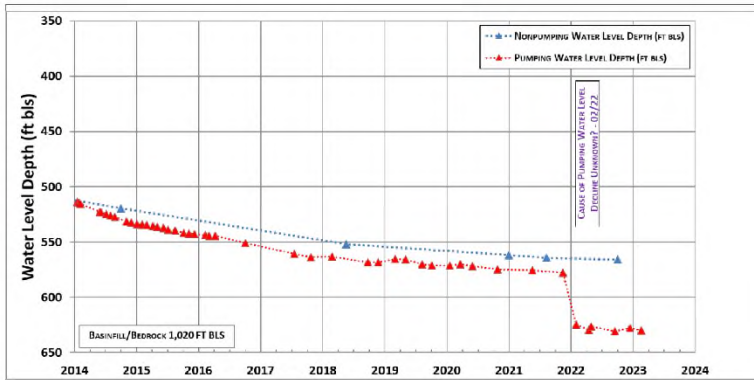
<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		PS-2: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	VERSION DATE: <b>FEBRUARY, 2023</b>	CADASTRAL: D-17-13 34CDC ADWR REG. NO.: 55-220862 DRILL YEAR: 2012

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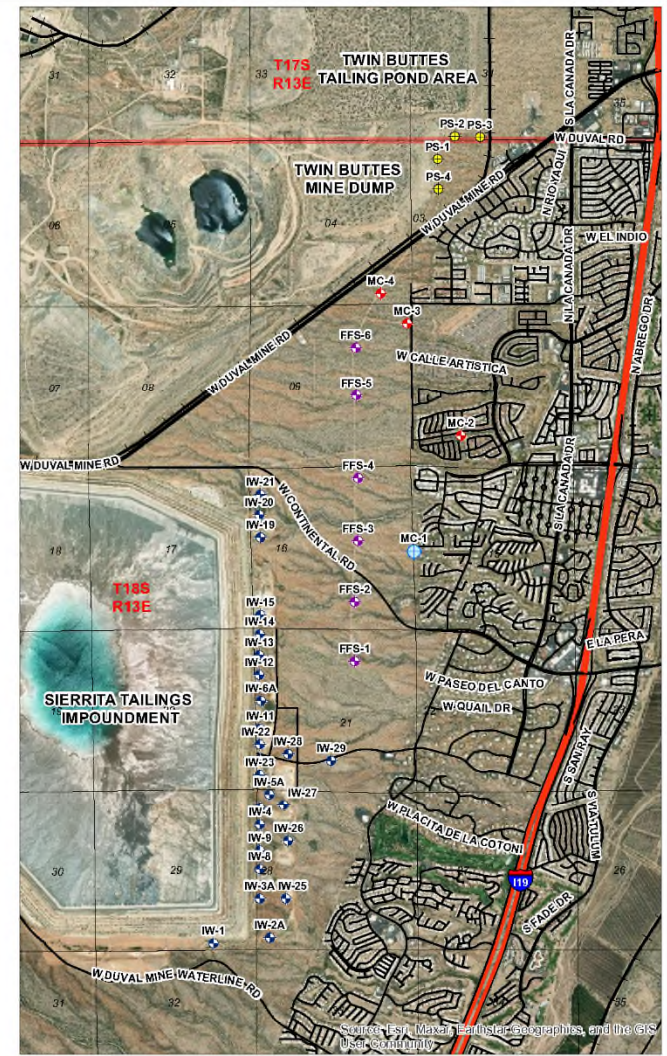
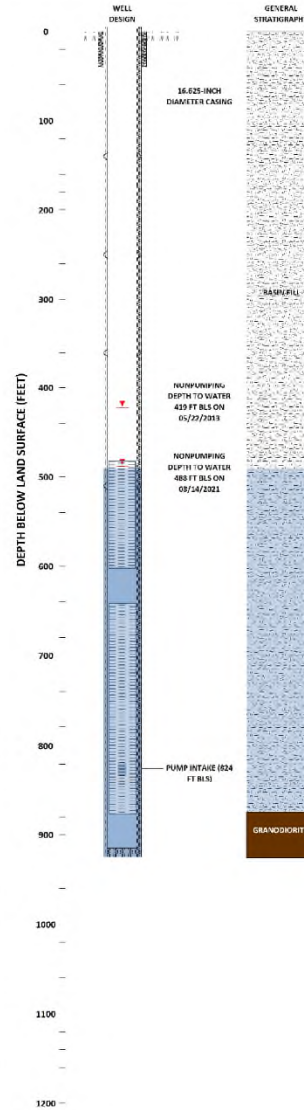
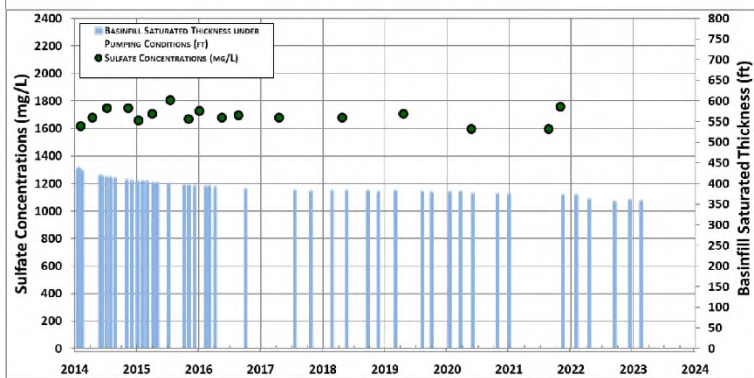
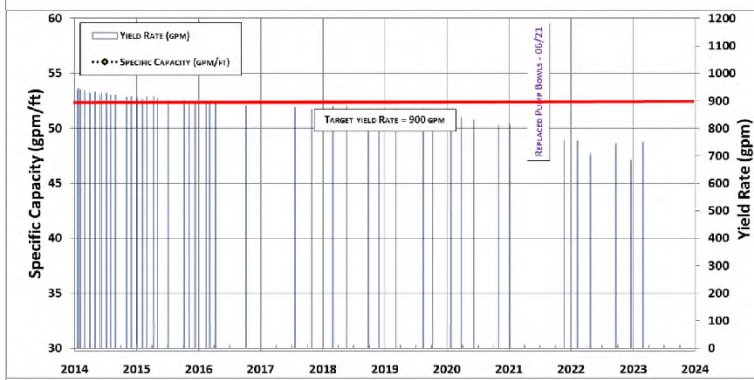
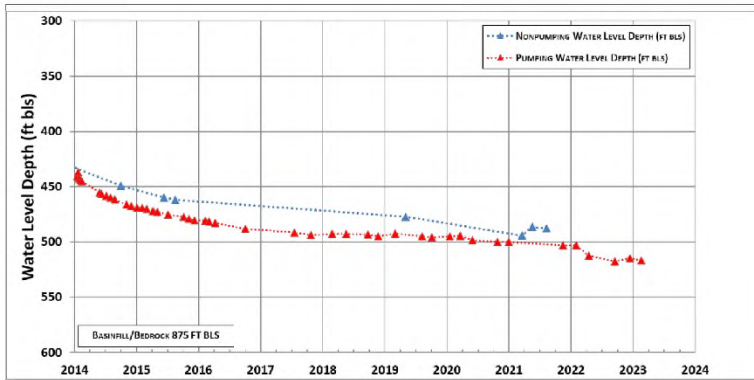




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		PS-4: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 03BCA ADWR REG. NO.: 55-220864 DRILL YEAR: 2012

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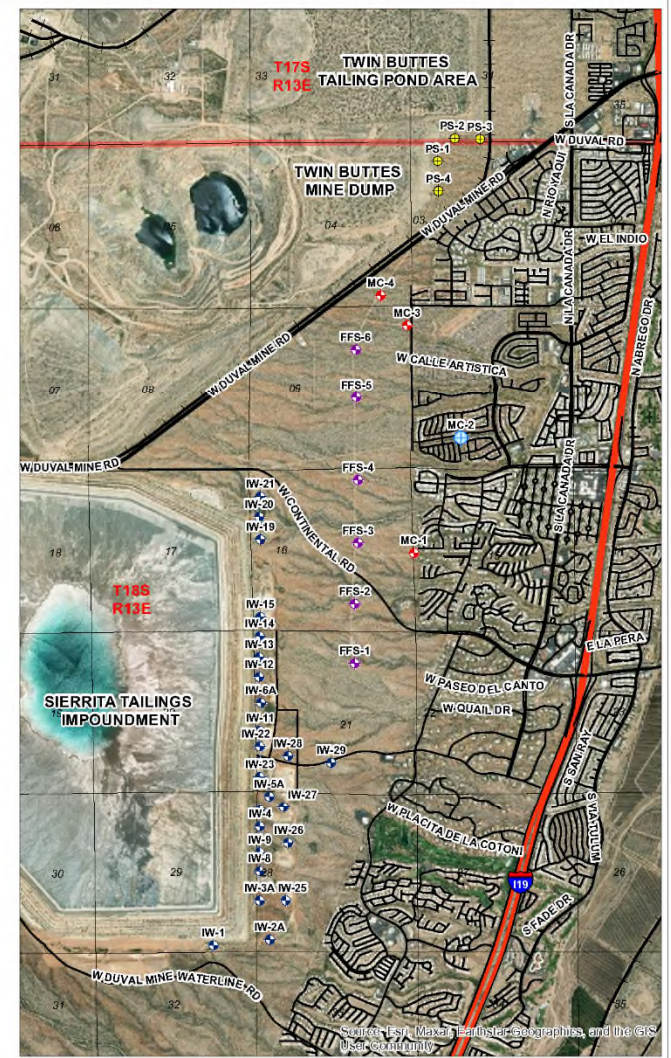
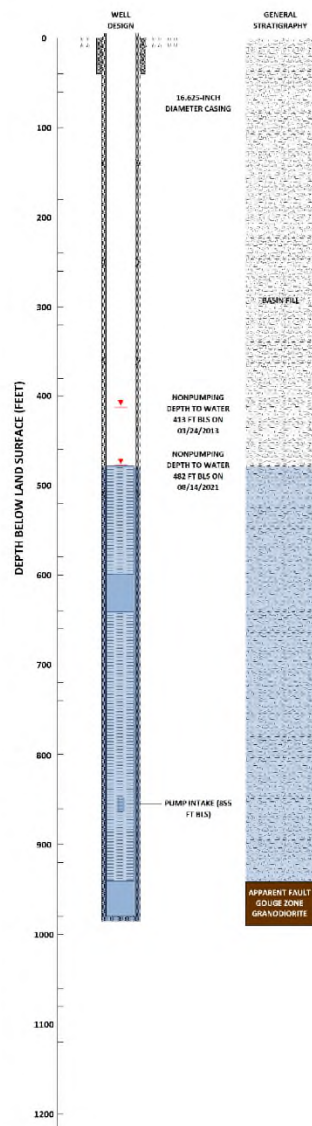
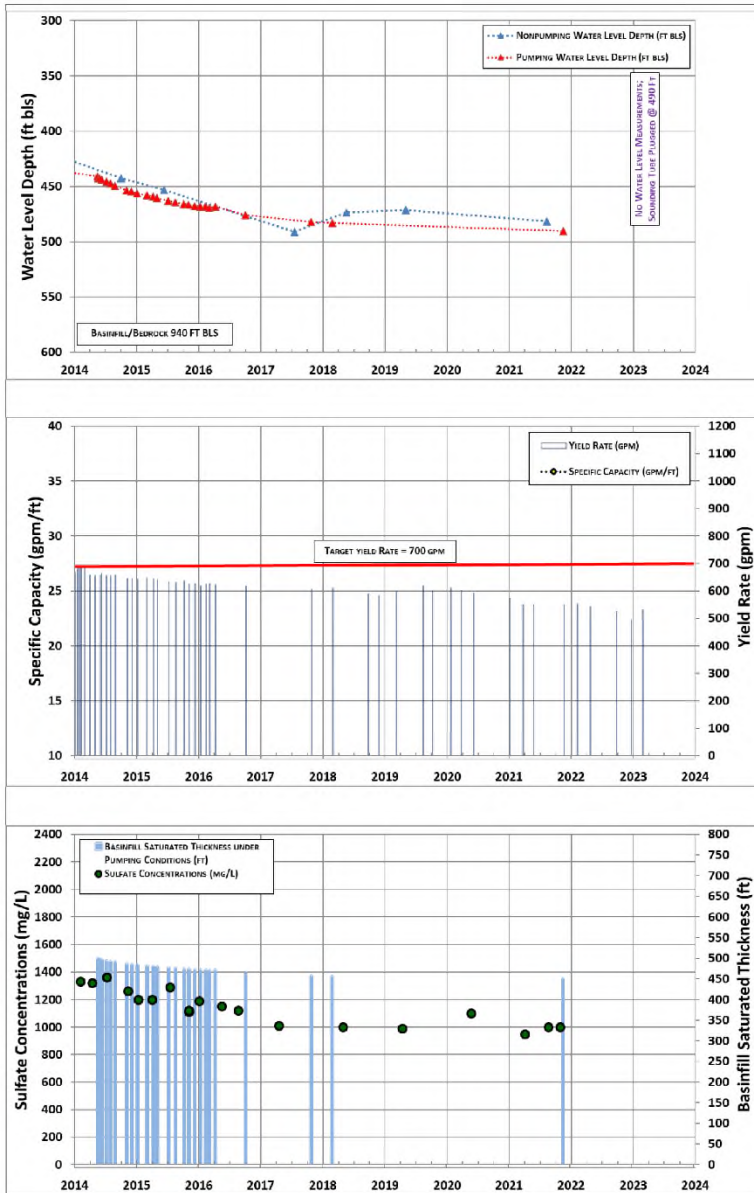




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		MC-1: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 16DAA ADWR REG. NO.: 55-221660 DRILL YEAR: 2013

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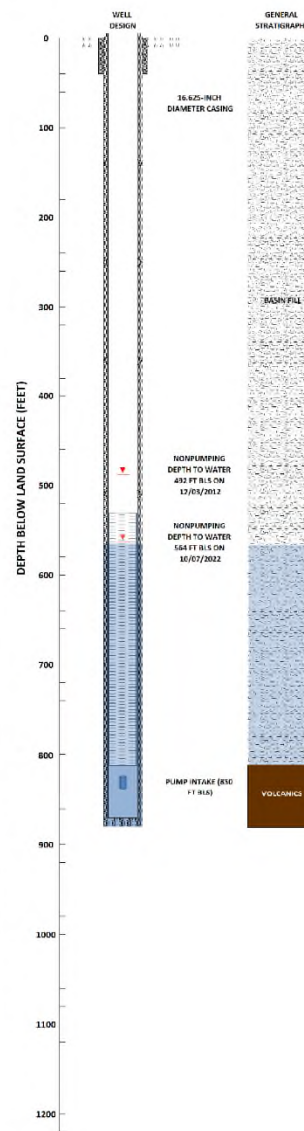
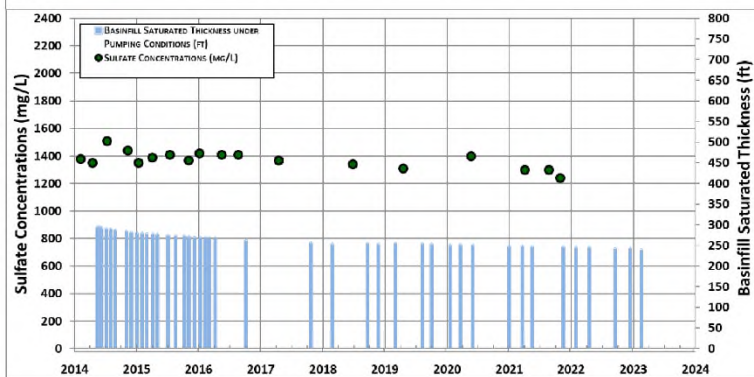
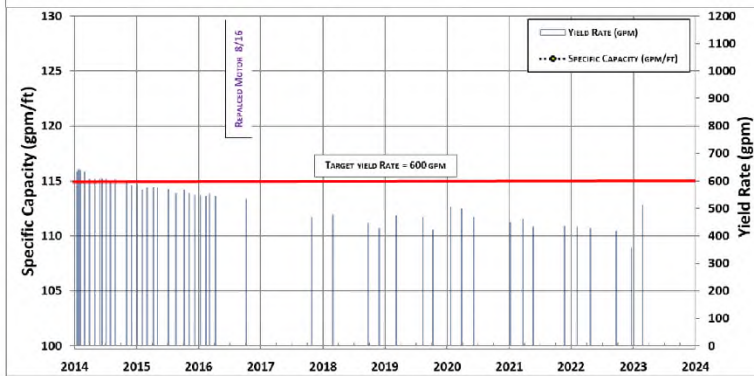
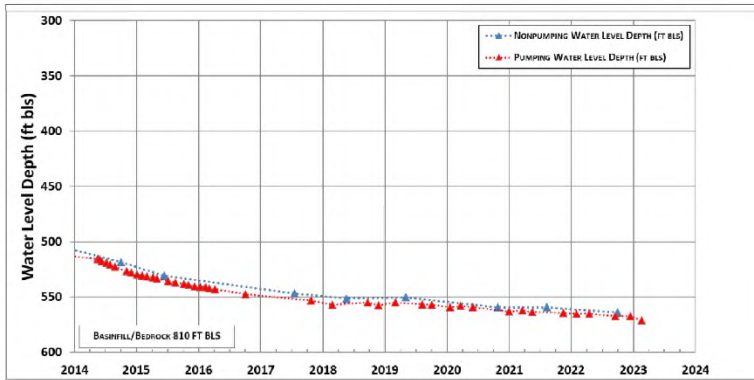




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		MC-2: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 10CCB ADWR REG. NO.: 55-221761 DRILL YEAR: 2013

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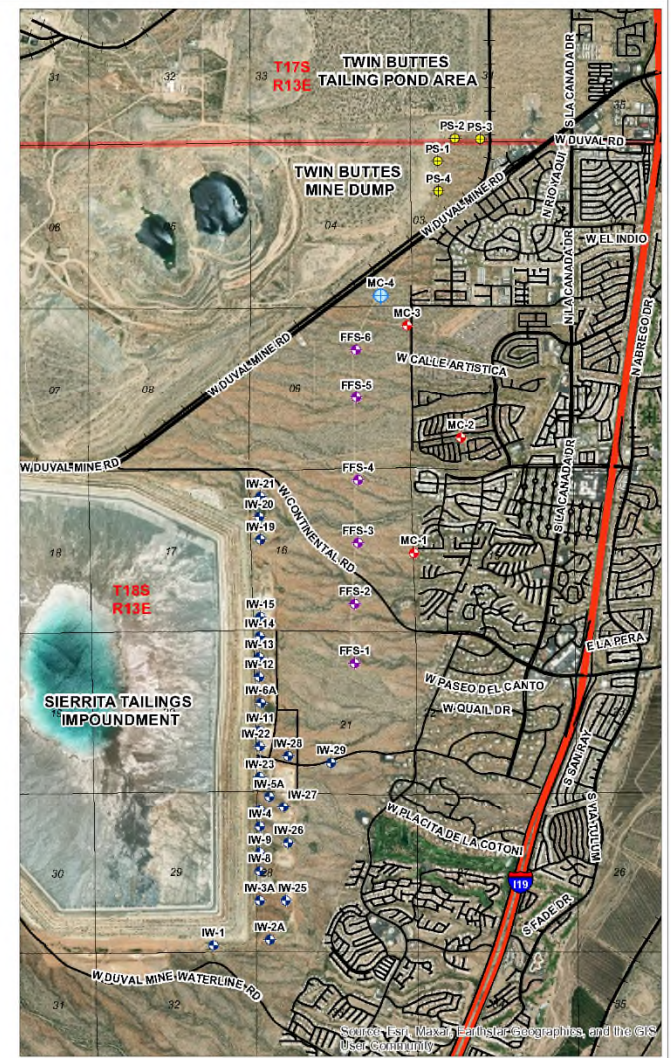
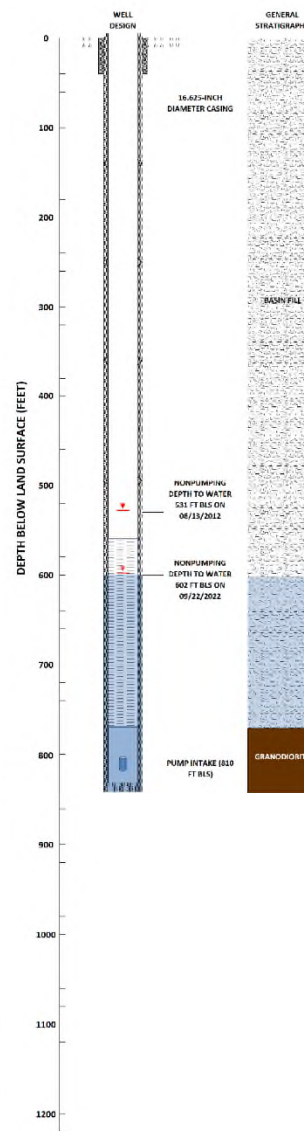
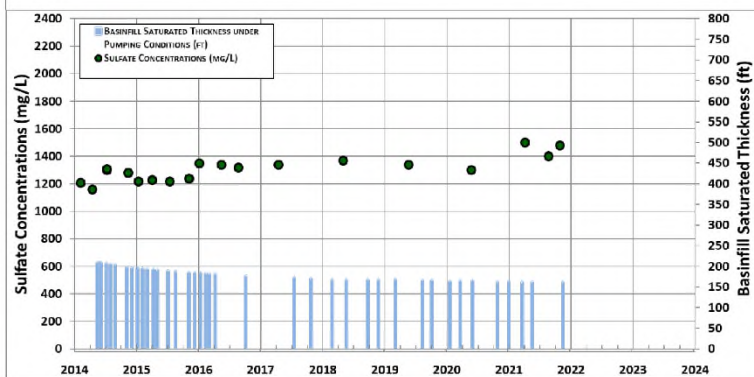
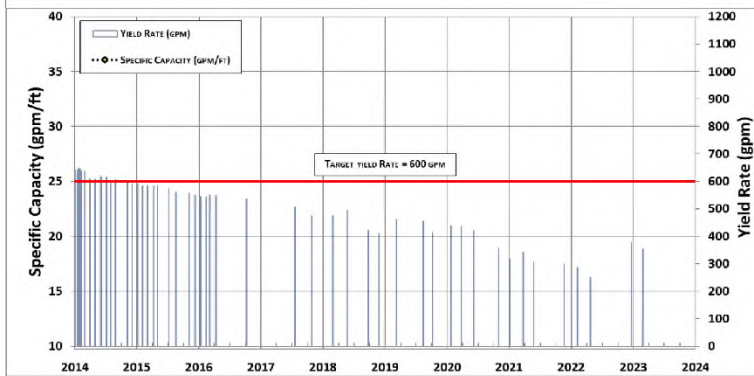
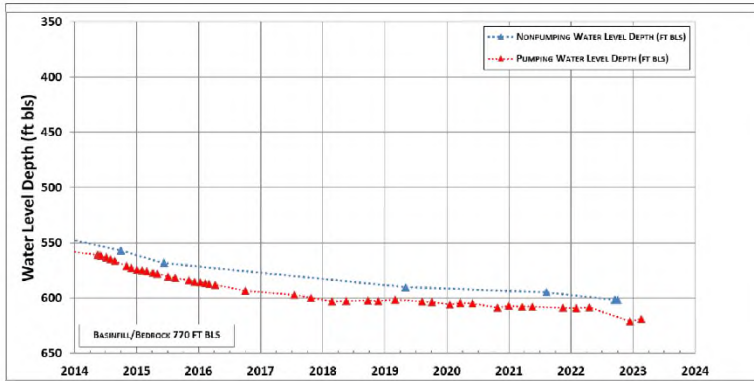




<p><b>BasinWells</b> ASSOCIATES PLLC <small>SPECIALISTS IN GROUNDWATER DEVELOPMENT</small></p>	<p><b>FREEPORT-McMORAN</b> COPPER &amp; GOLD</p>	<p>MC-3: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE</p>
	<p><b>VERSION DATE:</b> FEBRUARY, 2023</p>	<p>CADASTRAL: D-18-13 09AAA ADWR REG. NO.: 55-221661 DRILL YEAR: 2012</p>

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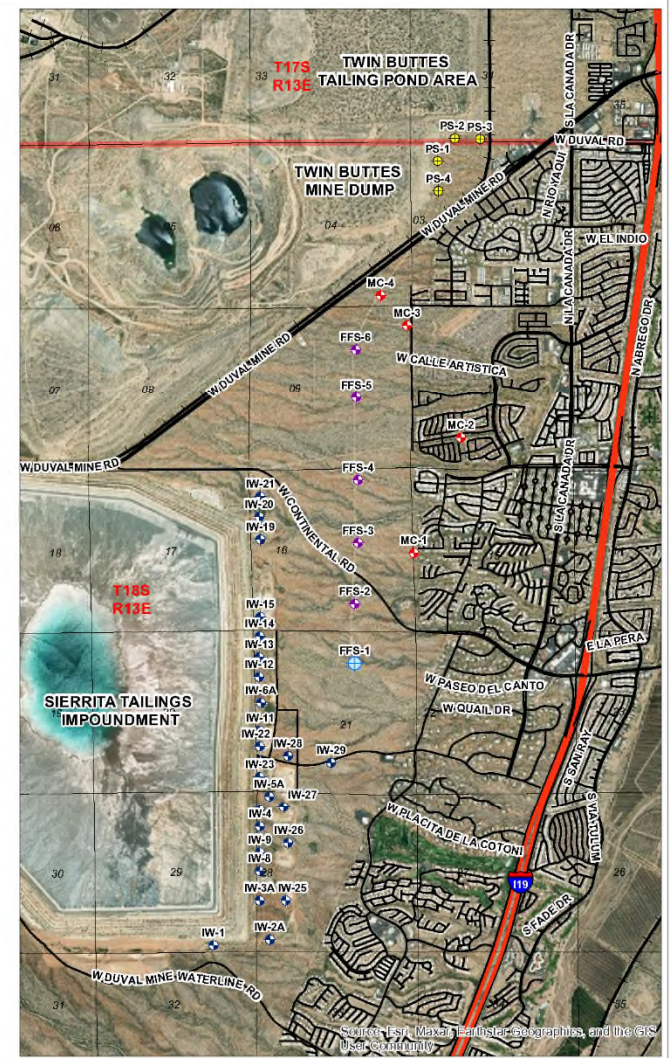
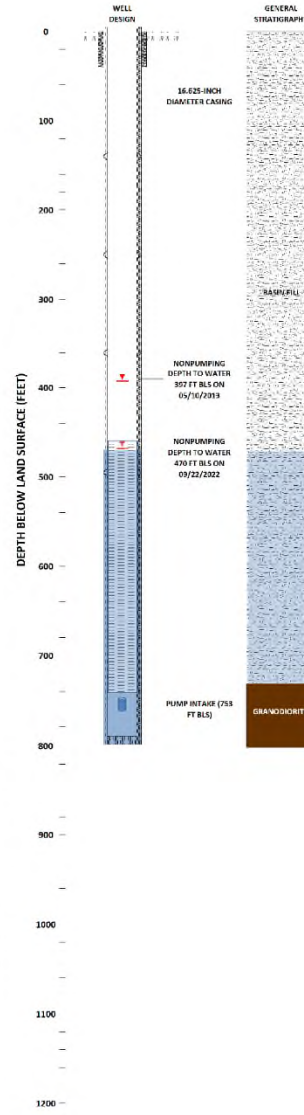
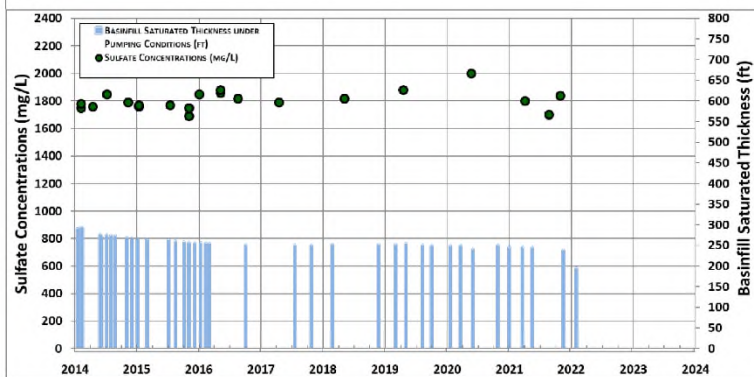
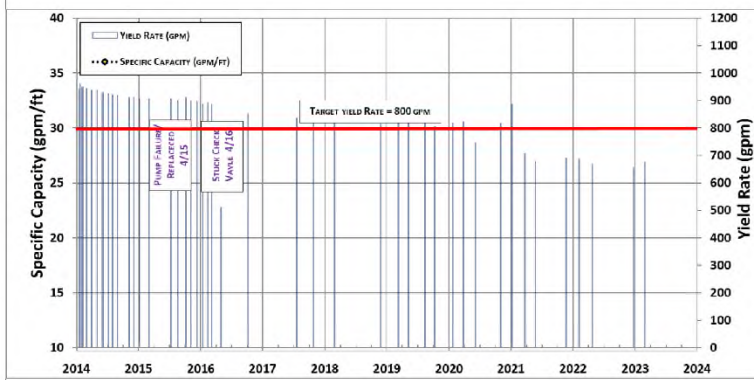
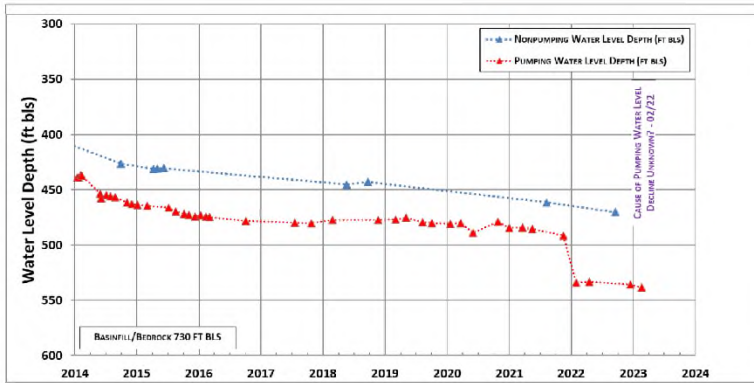




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		MC-4: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	VERSION DATE: <b>FEBRUARY, 2023</b>	CADASTRAL: D-18-13 04DDC ADWR REG. NO.: 55-220842 DRILL YEAR: 2012

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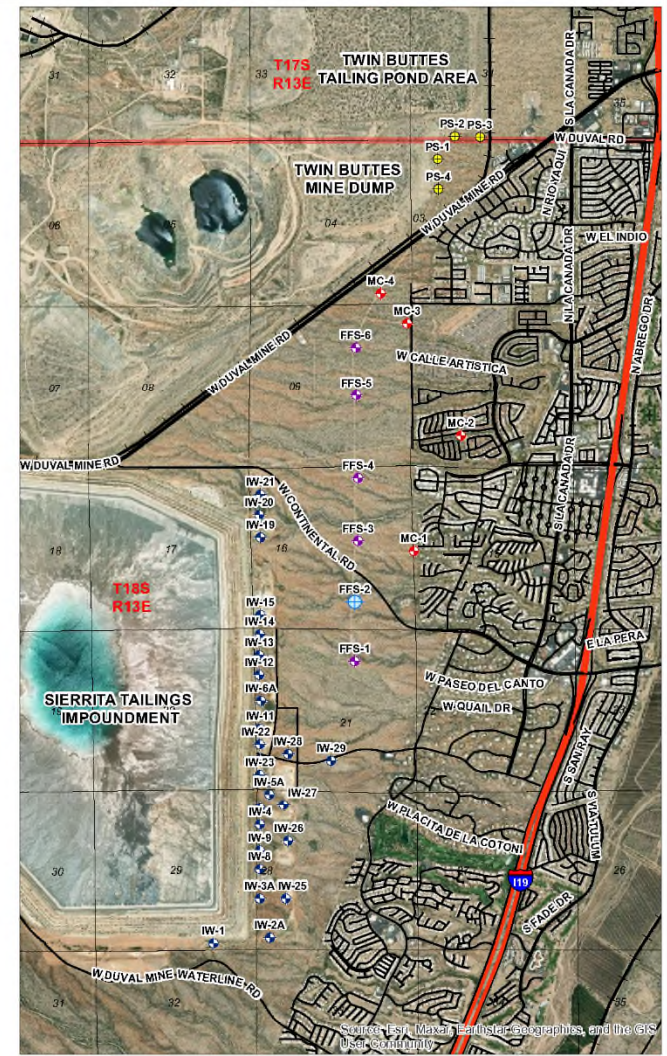
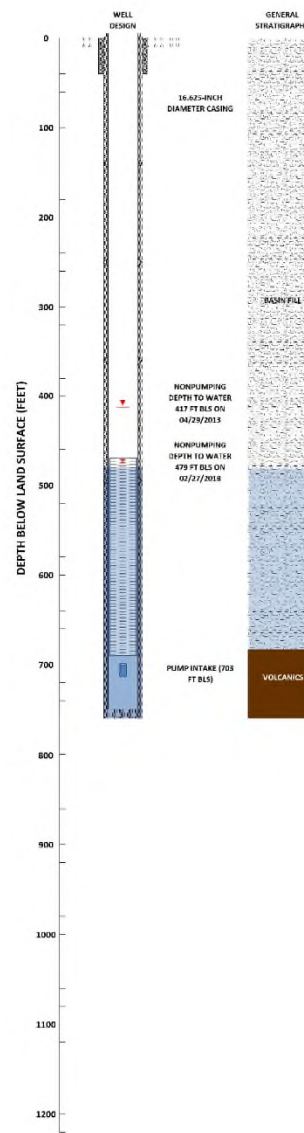
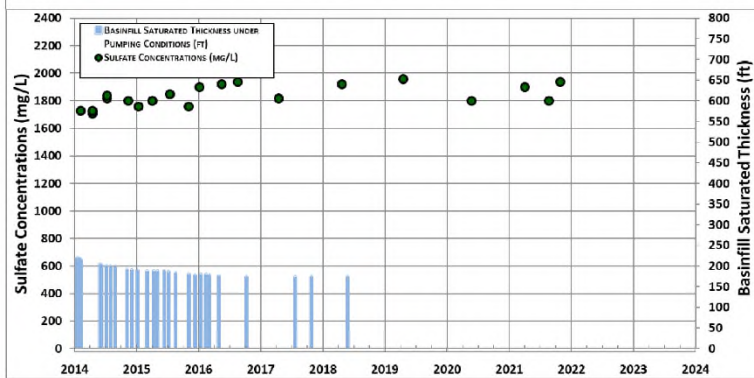
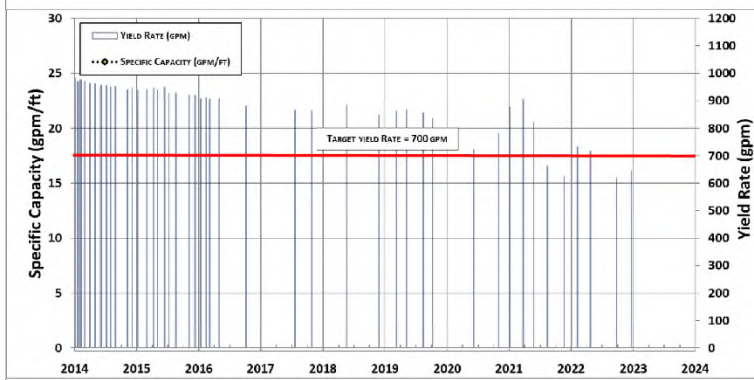
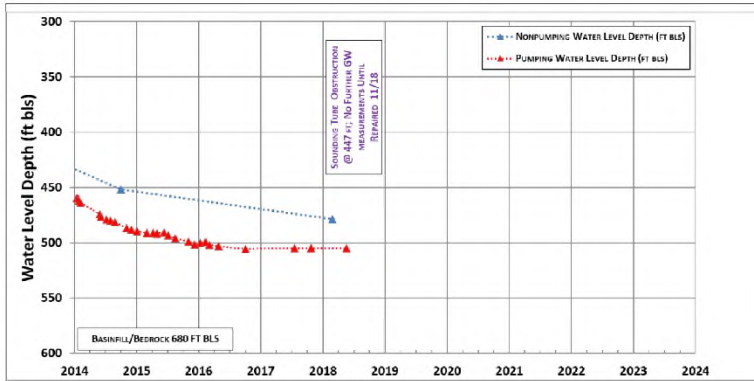




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		FFS-1: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE</b> FEBRUARY, 2023</p>	CADASTRAL: D-18-13 21ABC ADWR REG. NO.: 55-221662 DRILL YEAR: 2013

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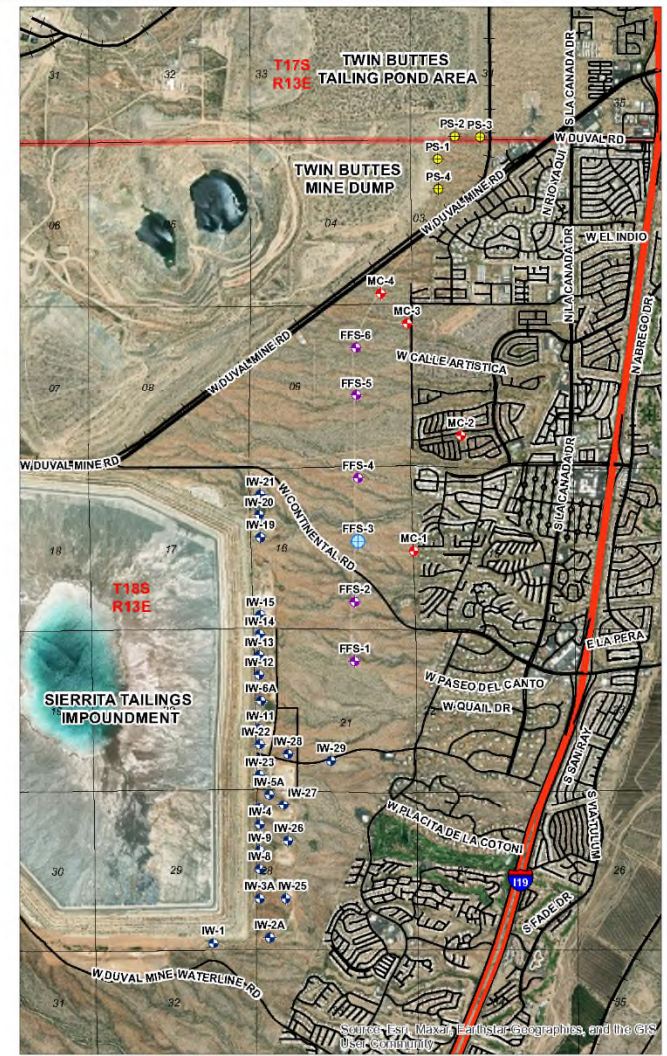
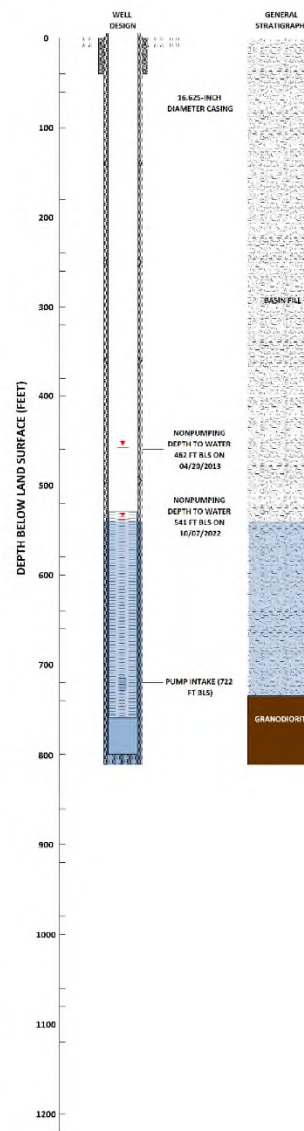
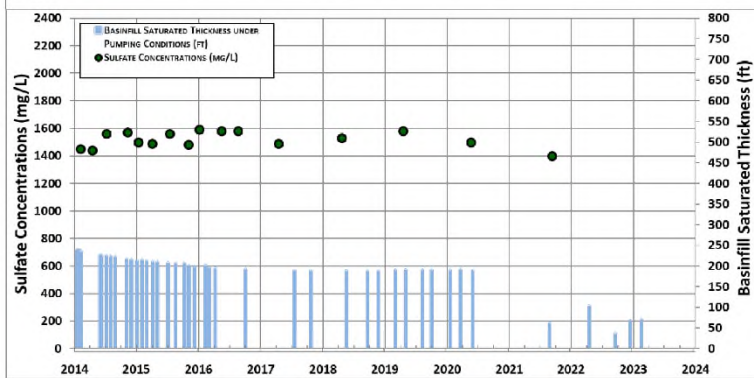
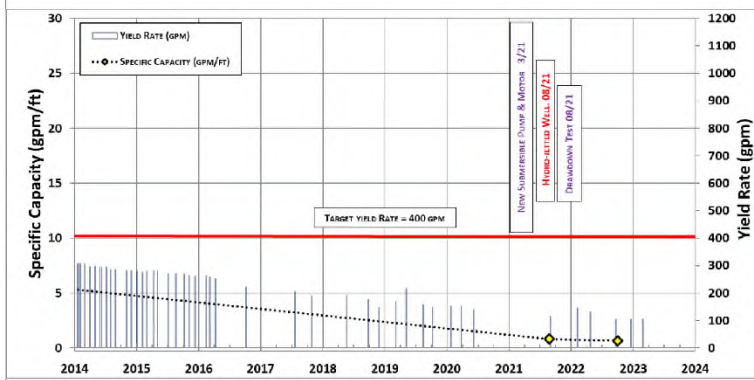
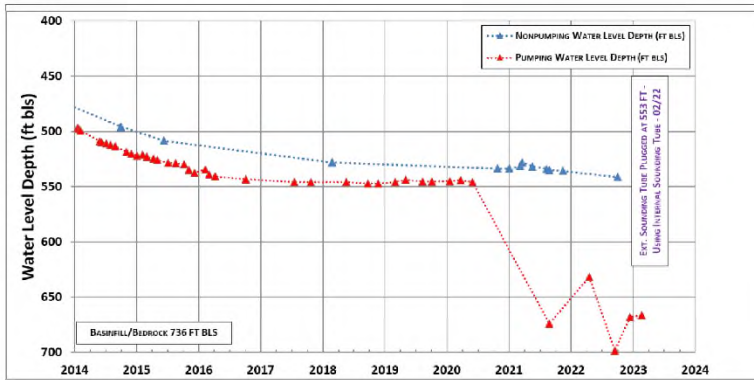




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		FFS-2: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 16DCA ADWR REG. NO.: 55-221663 DRILL YEAR: 2013

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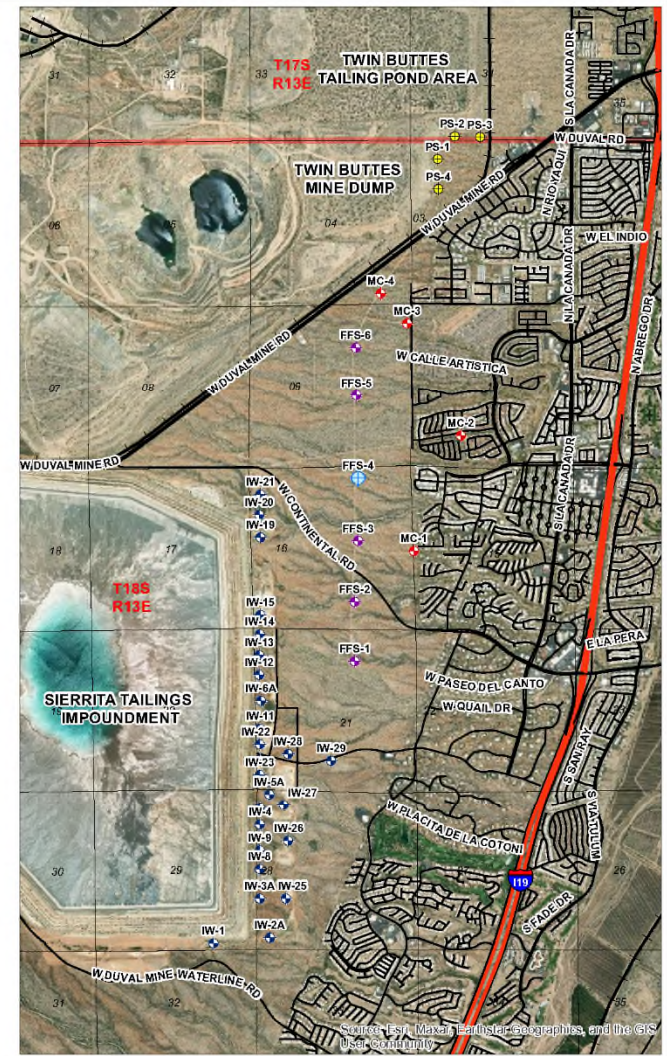
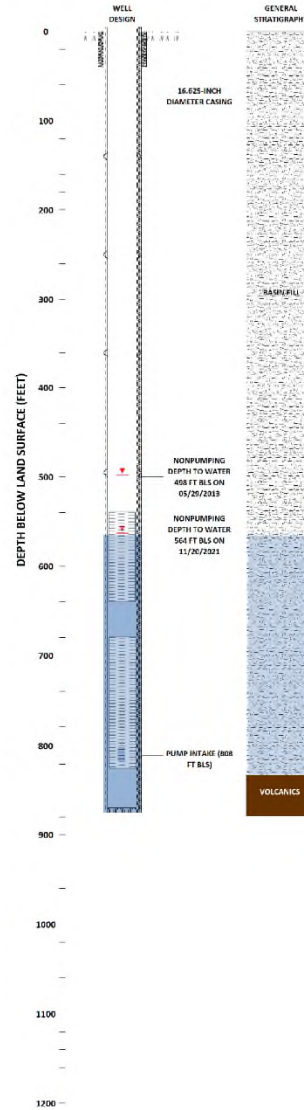
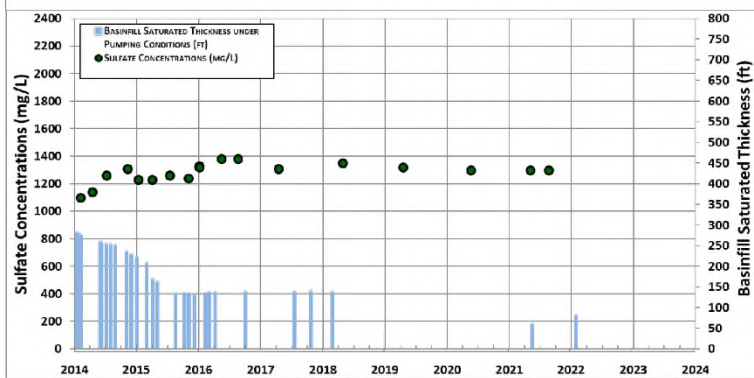
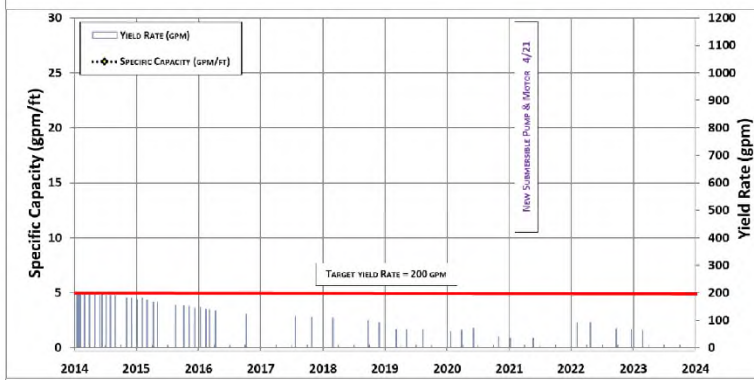
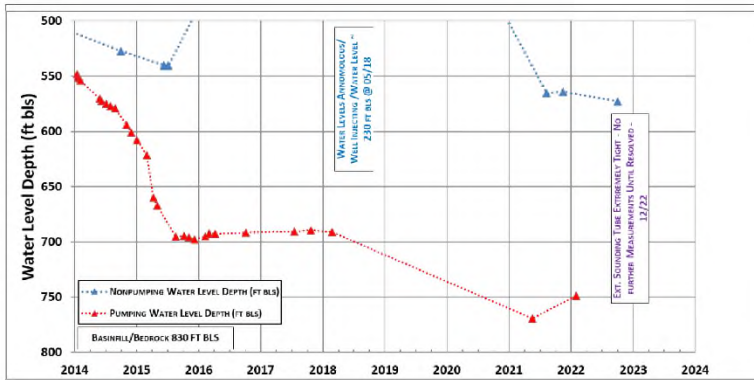




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		FFS-3: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 16ACD ADWR REG. NO.: 55-221664 DRILL YEAR: 2013

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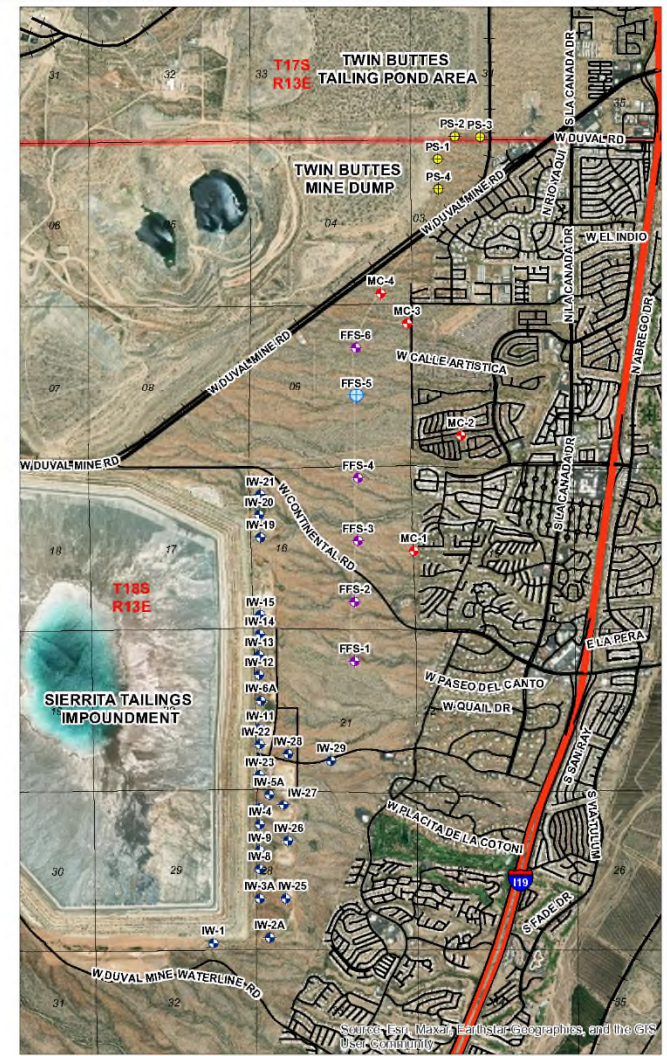
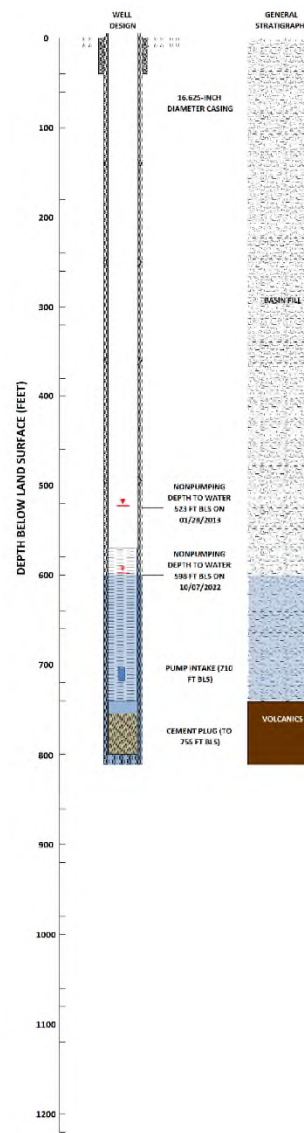
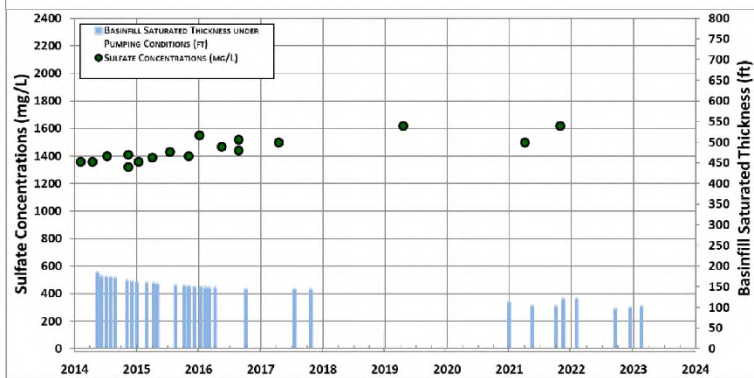
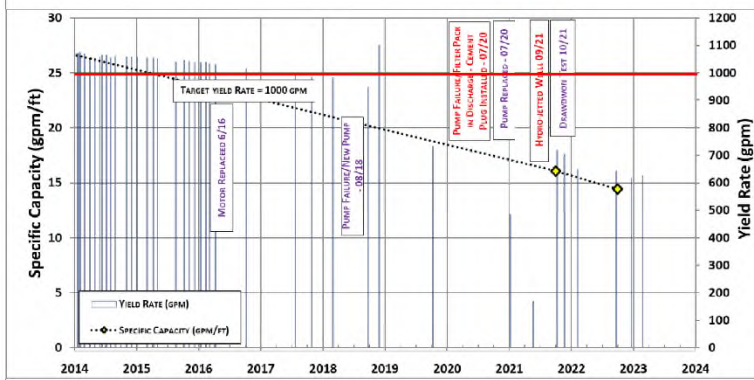
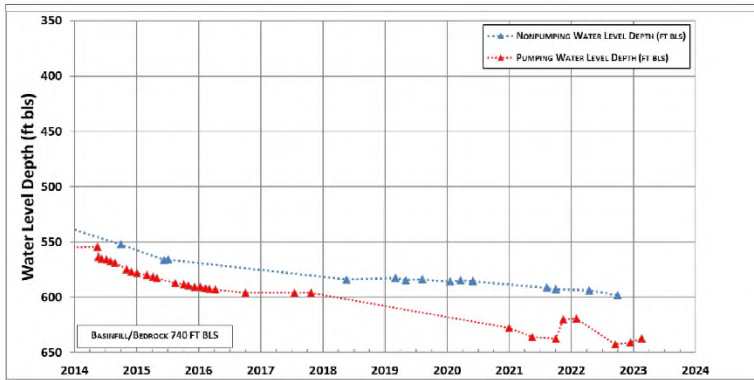




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		FFS-4: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFLL SAT. THK. AND SULFATE
	VERSION DATE: <b>FEBRUARY, 2023</b>	CADASTRAL: D-18-13 16ABA ADWR REG. NO.: 55-221665 DRILL YEAR: 2012

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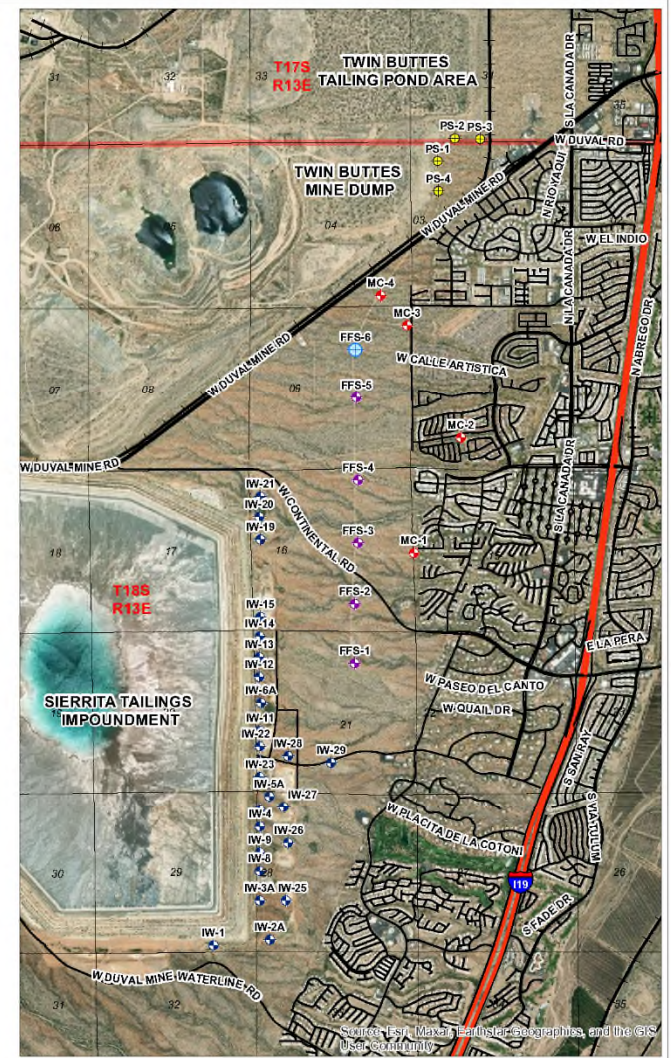
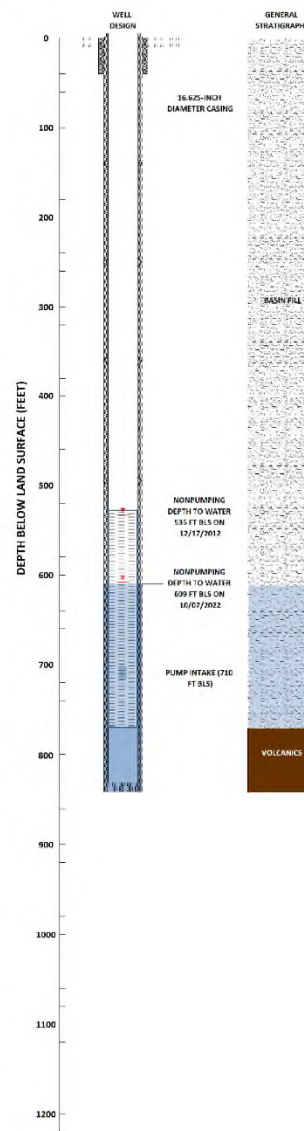
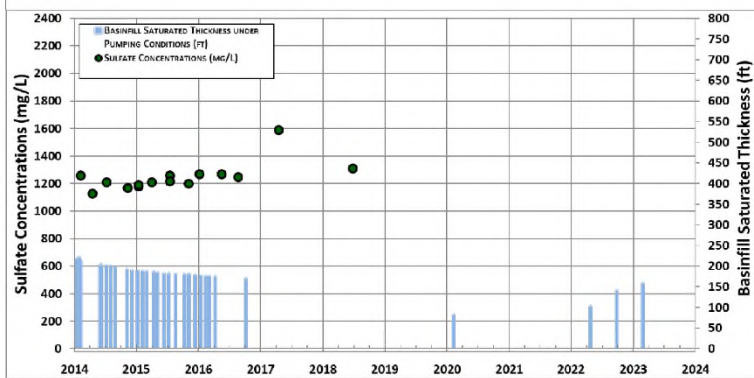
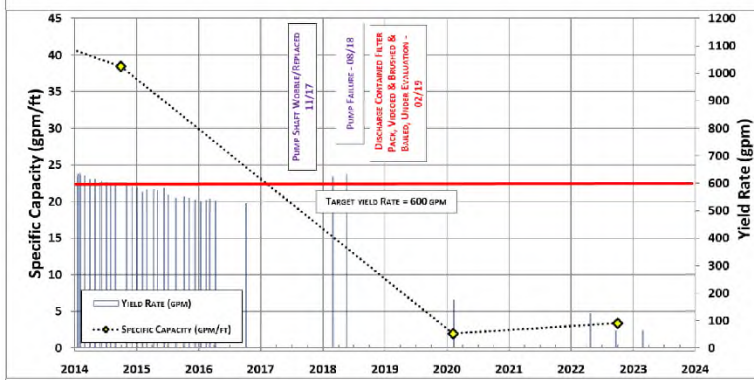
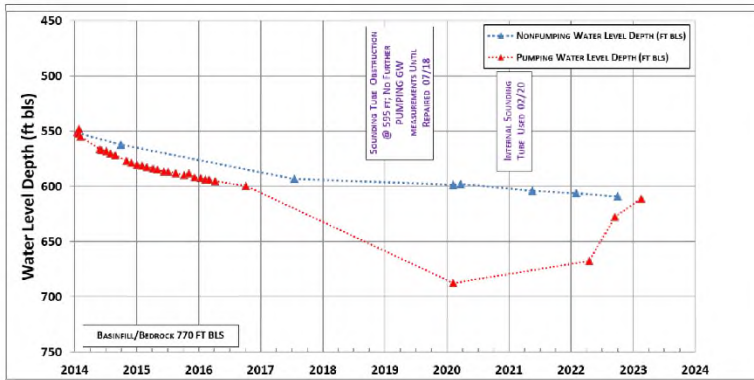




<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		FFS-5: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	<p><b>VERSION DATE:</b> <b>FEBRUARY, 2023</b></p>	CADASTRAL: D-18-13 09DBA ADWR REG. NO.: 55-221666 DRILL YEAR: 2012

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<p>SPECIALISTS IN GROUNDWATER DEVELOPMENT</p>		FFS-6: WATER LEVELS, YIELD, SPECIFIC CAPACITY, BASINFILL SAT. THK. AND SULFATE
	VERSION DATE: <b>FEBRUARY, 2023</b>	CADASTRAL: D-18-13 09ACA ADWR REG. NO.: 55-221667 DRILL YEAR: 2012

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