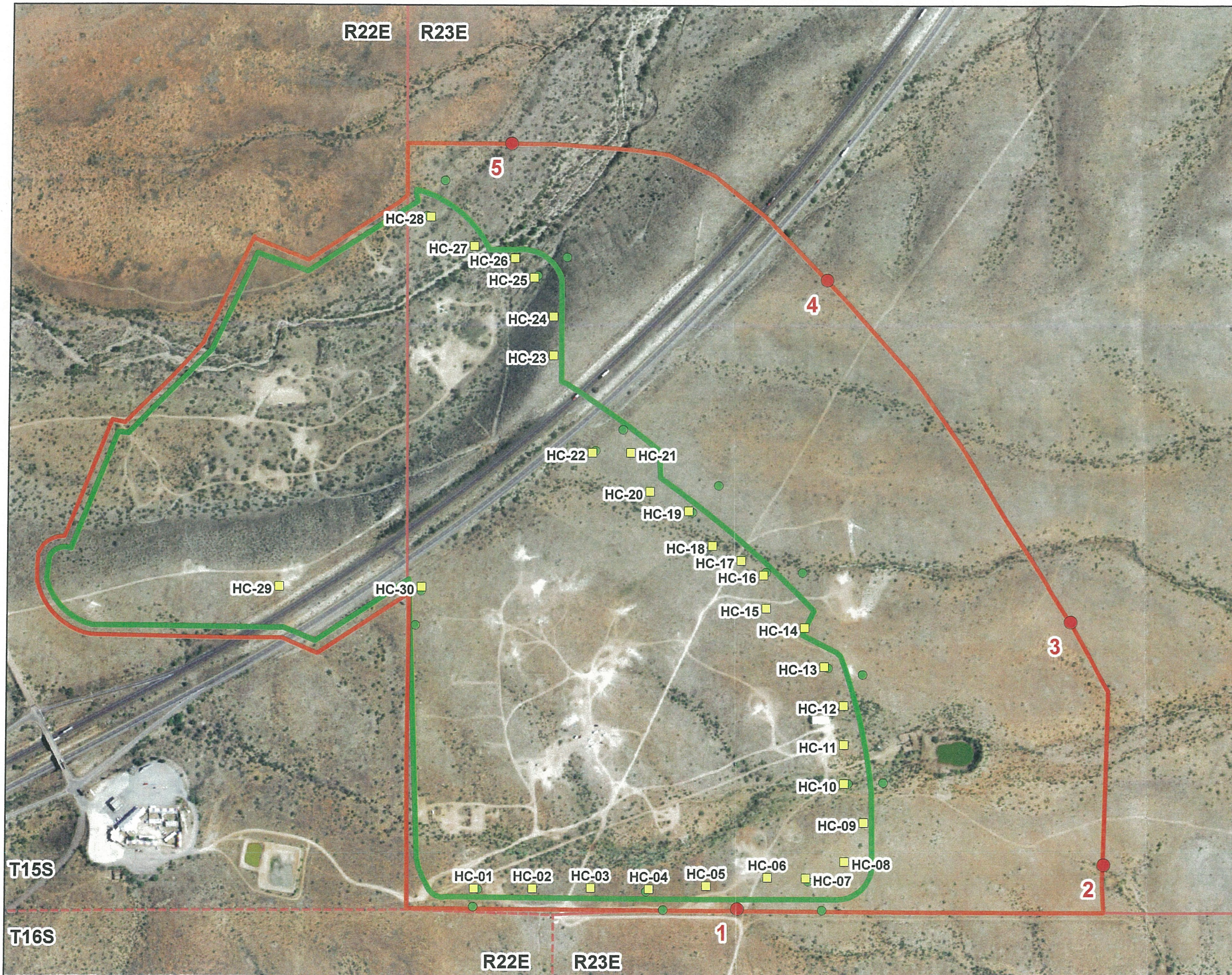


APPENDIX A

Project Maps, Aquifer Exemption Delineation, and Well Locations



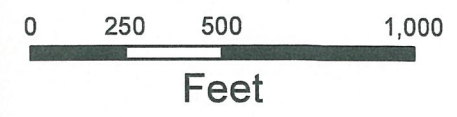
Legend

- Point of Compliance Well
- Hydraulic Control Well
- Observation Well
- Area of Review
- ISR Wellfield

Observation Wells will have same number as associated hydraulic control well.

Example: At HC-1, observation wells will be named:

- OW-1-I (inner)
- OW-1-O (outer)

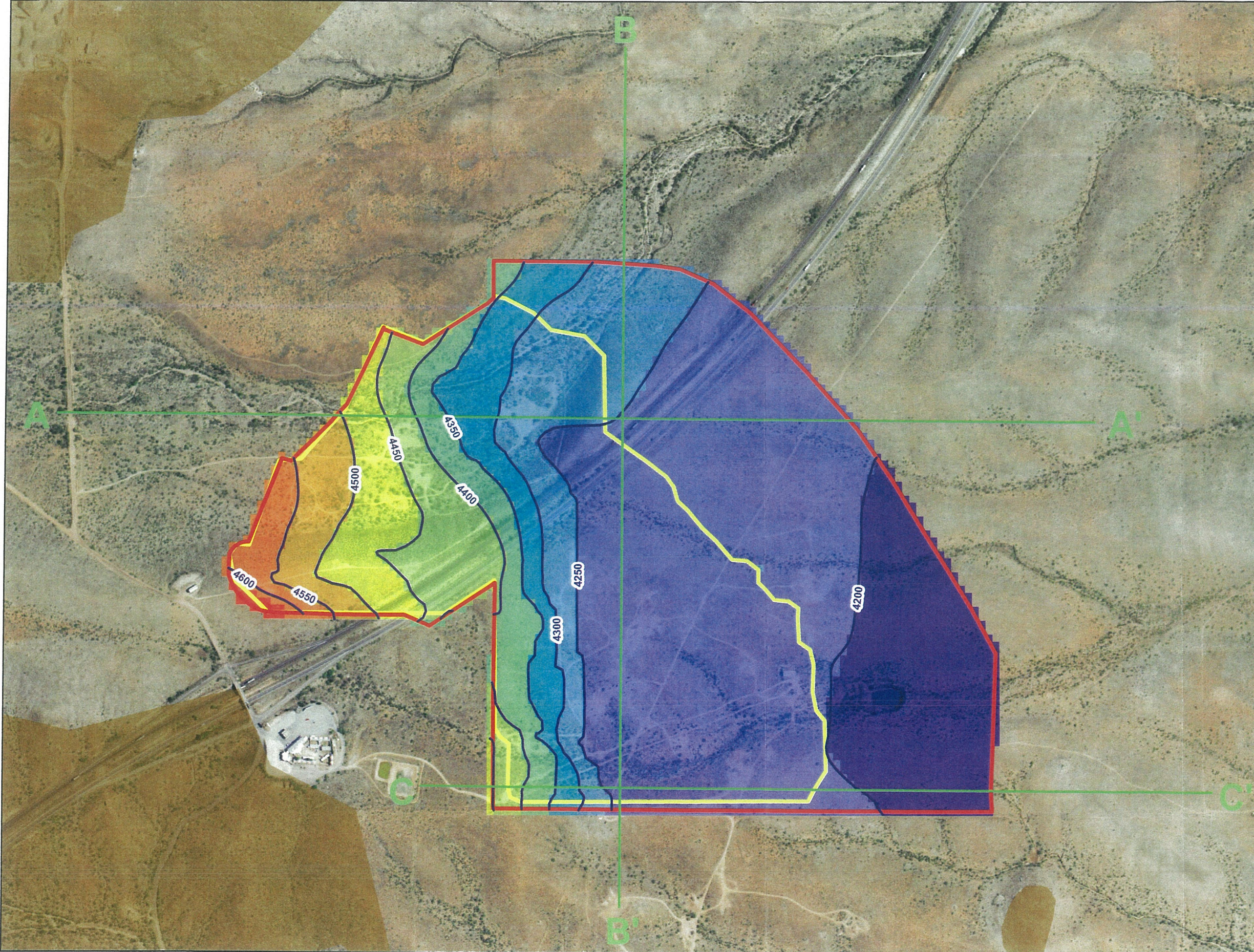


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February 2016

Date	1/19/16	File ID	373-035B
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FIGURE A-7
Area of Review, Point of Compliance, Hydraulic Control, and Observation Well Locations



Explanation

- Top of Aquifer Exemption Elevation
- AOR
- Wellfield
- Cross Sections

Top of Aquifer Exemption Elevation (feet-MSL)

- 4190 - 4200
- 4201 - 4250
- 4251 - 4300
- 4301 - 4350
- 4351 - 4400
- 4401 - 4450
- 4451 - 4500
- 4501 - 4550
- 4551 - 4600
- 4601 - 4650

Exposed Bedrock

NOTE:
 This map illustrates the highest elevation value for:
 1. Top of bedrock; or,
 2. Estimated water table + 20 feet.

Water levels are based on regional levels from the water level database. Elevation for top of bedrock was derived from bedrock elevation contours provided by Excelsior.

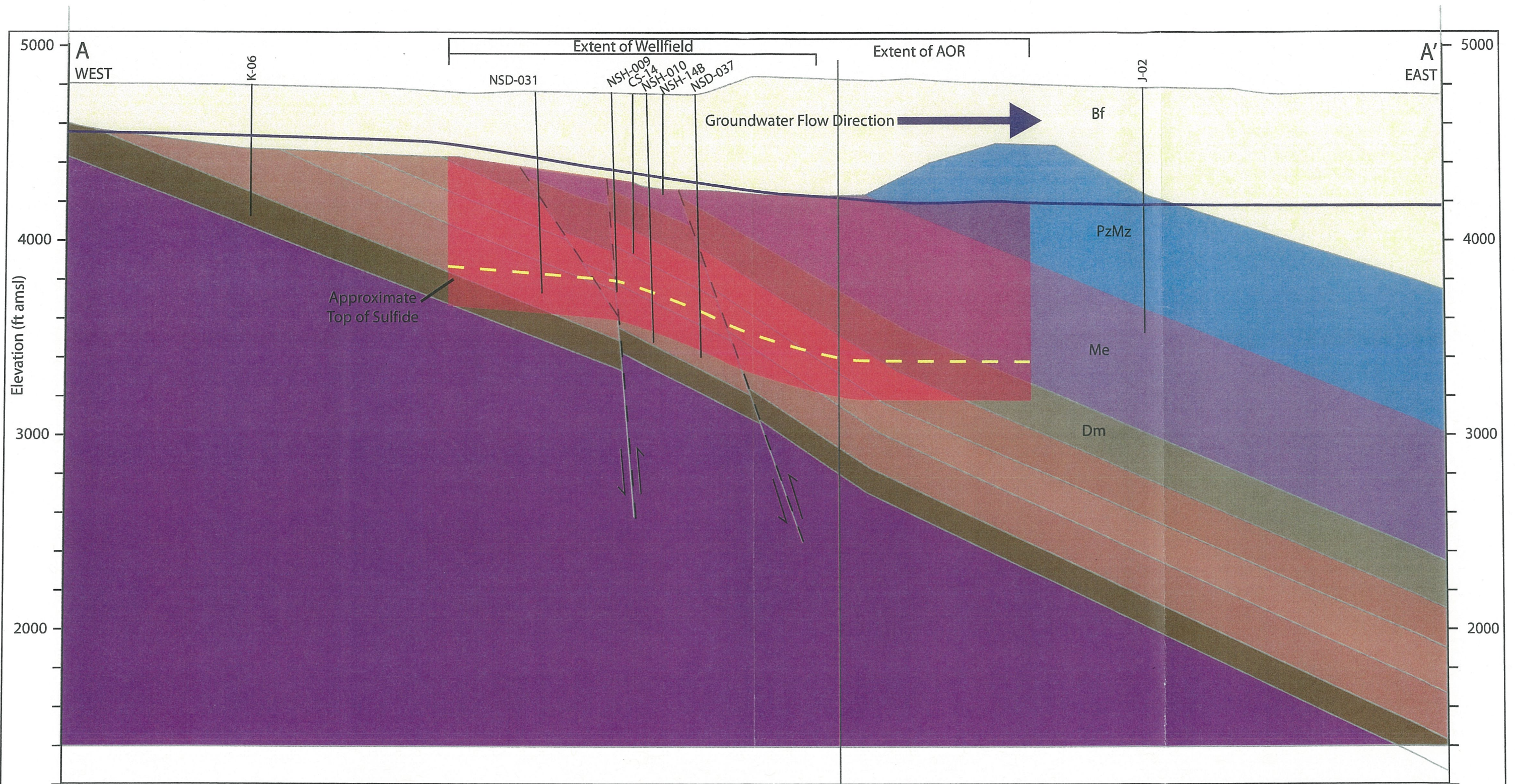
0 250 500 1,000
 Feet

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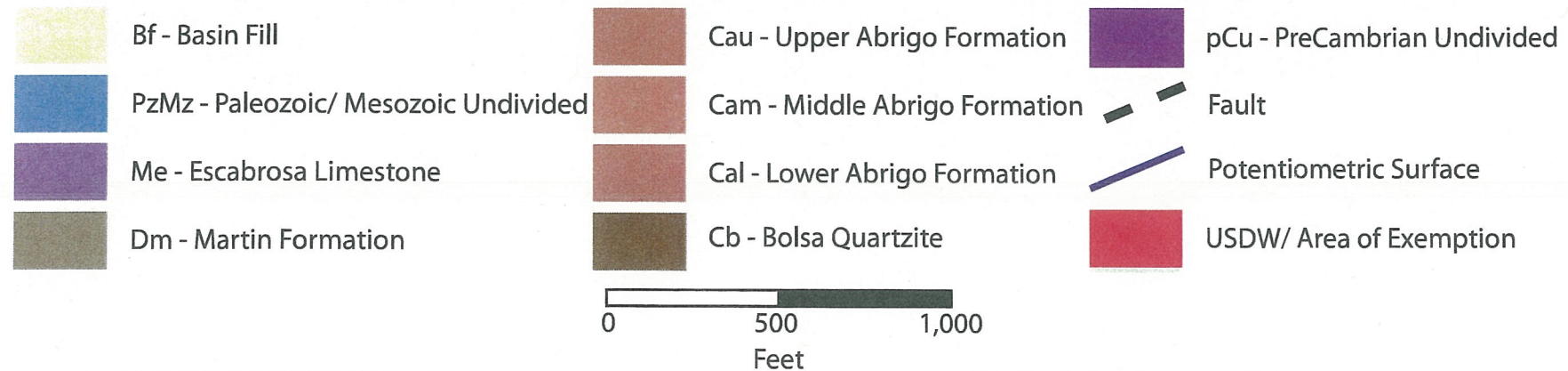
Date	8/2/17	File ID	373002
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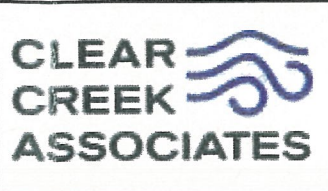
FIGURE S-9
 Top of Aquifer Exemption
 Elevation Contours



Source: Excelsior Geologic Model

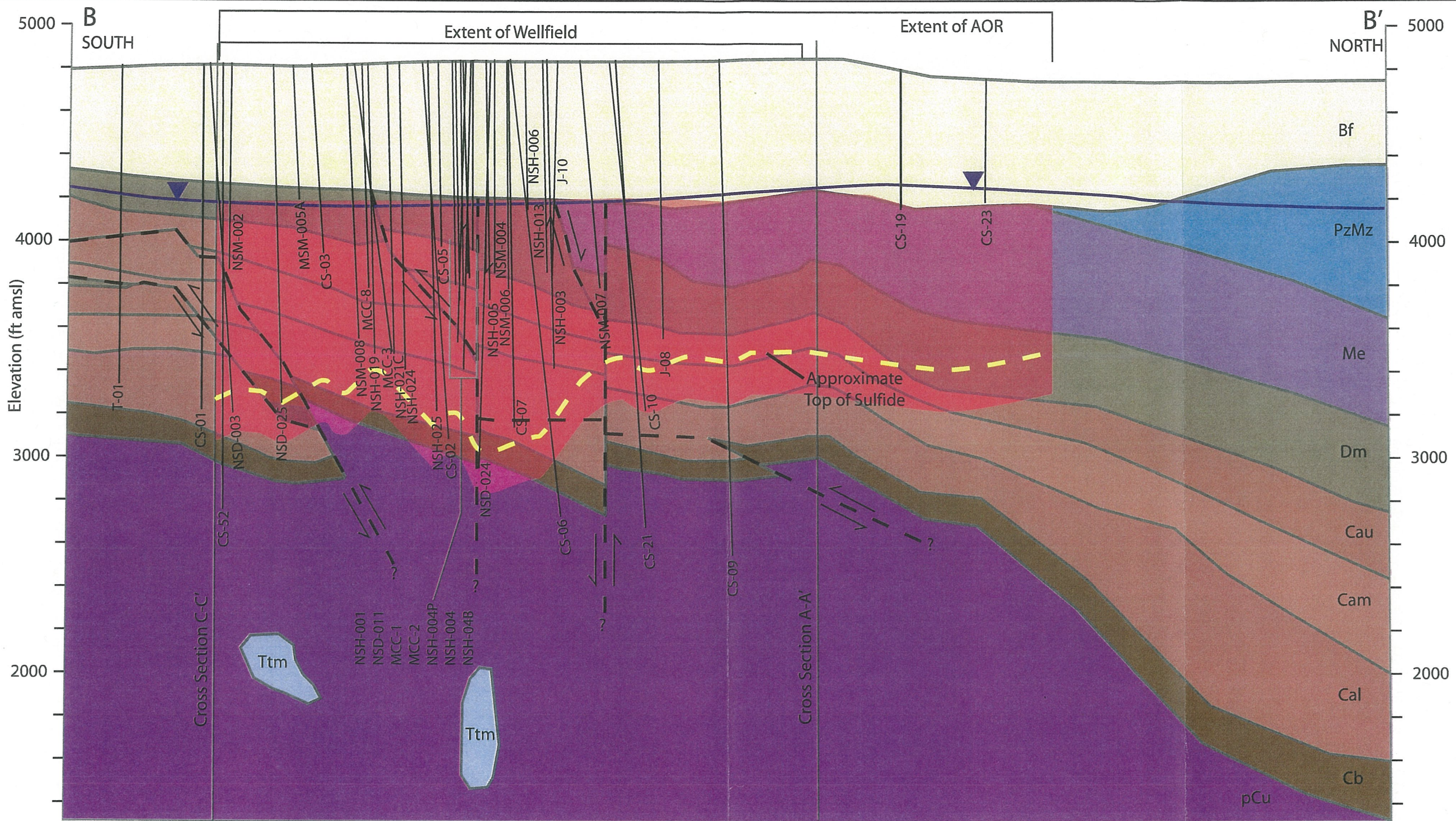


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 February 2016
 Revision November 2016



Date	3/3/17
File ID	A373-010C

FIGURE D-3
 Geologic Cross Section A - A'



Source: Excelsior Geologic Model

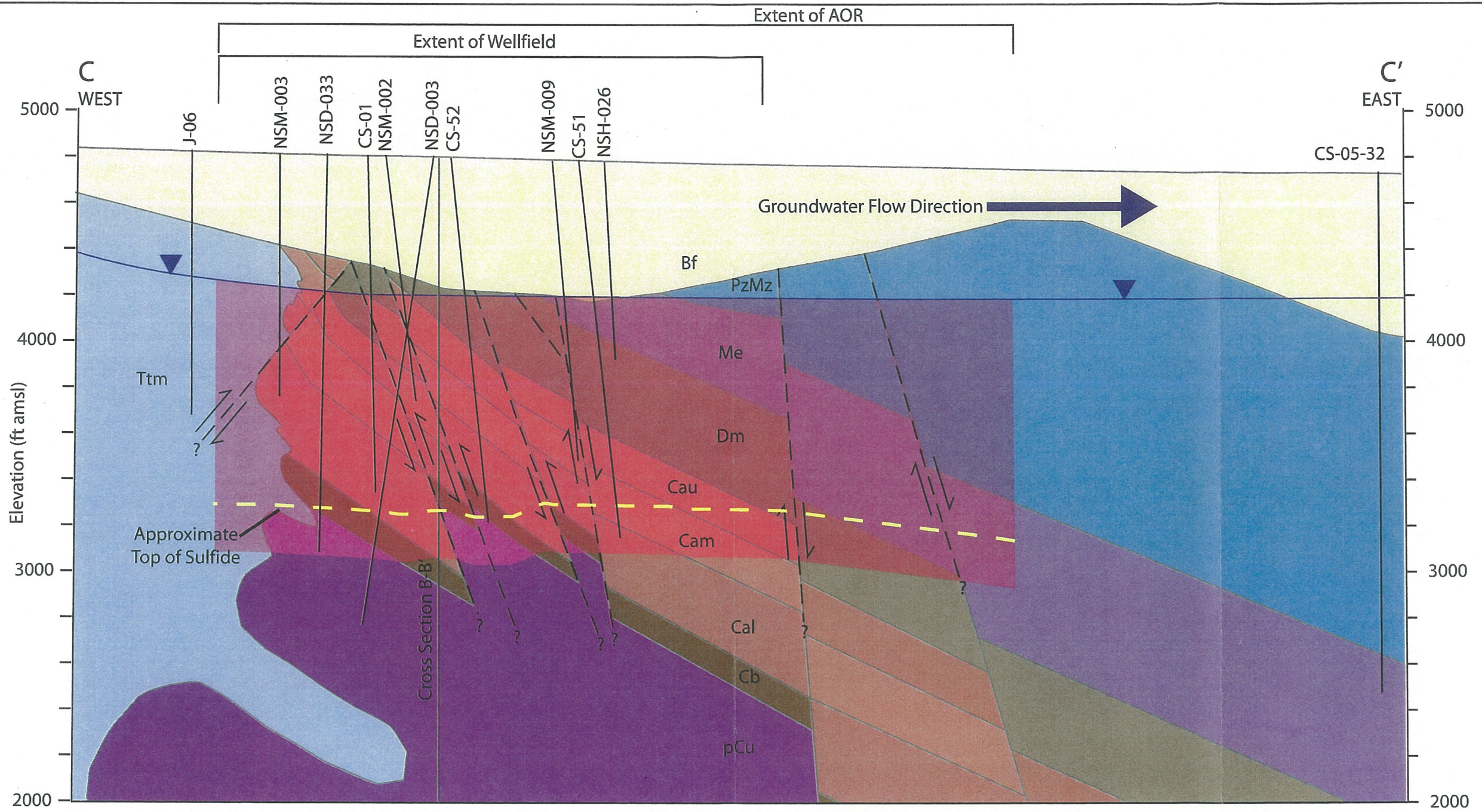


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February 2016
Revision November 2016




Date	3/3/17
File ID	A373-011C

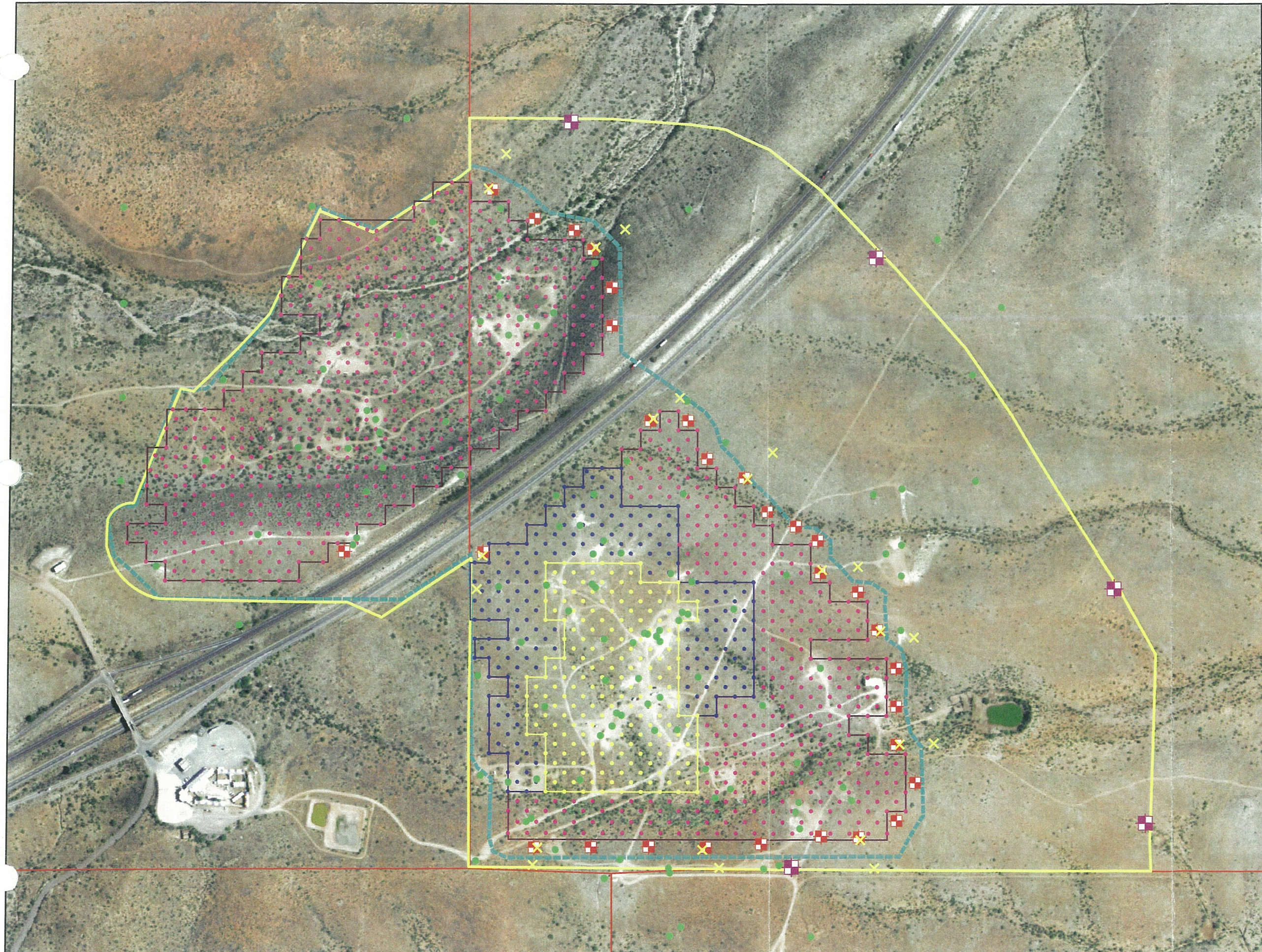
FIGURE D-4
Geologic Cross Section B-B'
















Source: Excelsior Geologic Model

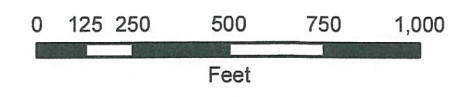


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		File ID A373-012D
FIGURE D-5 Geologic Cross Section C - C'		



Explanation

-  HC Observation Wells
-  POCs
-  Hydraulic Control Wells
-  Stage 1 Mining Wells
-  Stage 2 Mining Wells
-  Stage 3 Mining Wells
-  Wells and Borings
-  Wellfield
-  Stage 1 Mining Area
-  Stage 3 Mining Area
-  Stage 2 Mining Area
-  Township
-  AOR Boundary

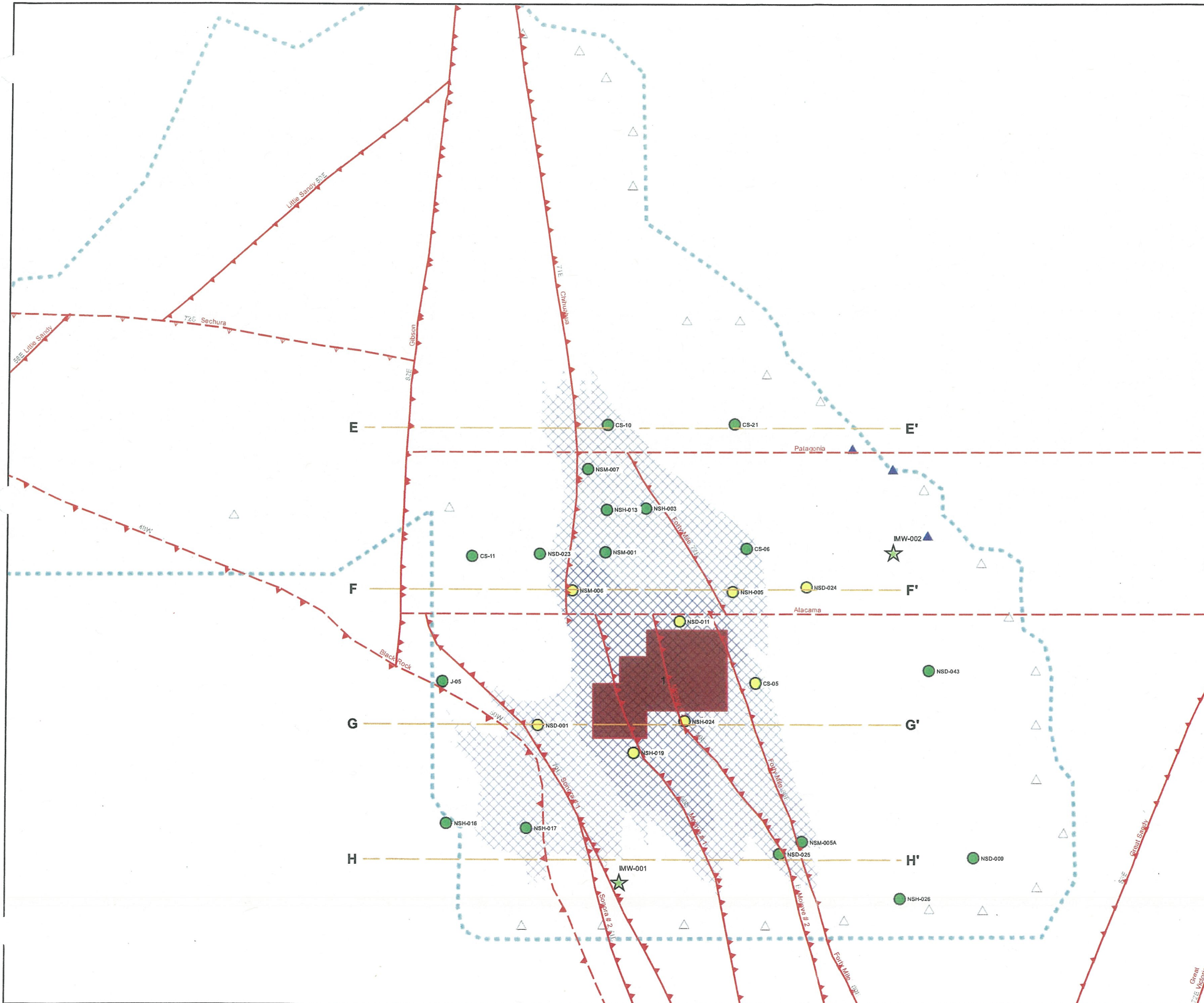


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 Gunnison Copper Project
 November 2016

Date	11/11/16	File ID	373002
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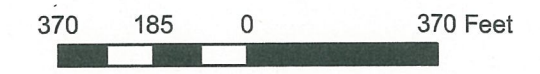


FIGURE A-7A
 Well Locations
 Mining Stages 1 to 3



Legend

- Approx Fault + Dip Direction (projected at bedrock surface)
 - Cross Section Lines E - H
 - New IMW
 - Outer IMW
 - Inner IMW
 - Active HC Wells
 - Inactive HC Wells
 - Aquifer Test Influence Area
 - Wellfield Boundary
- Production**
- Year 1

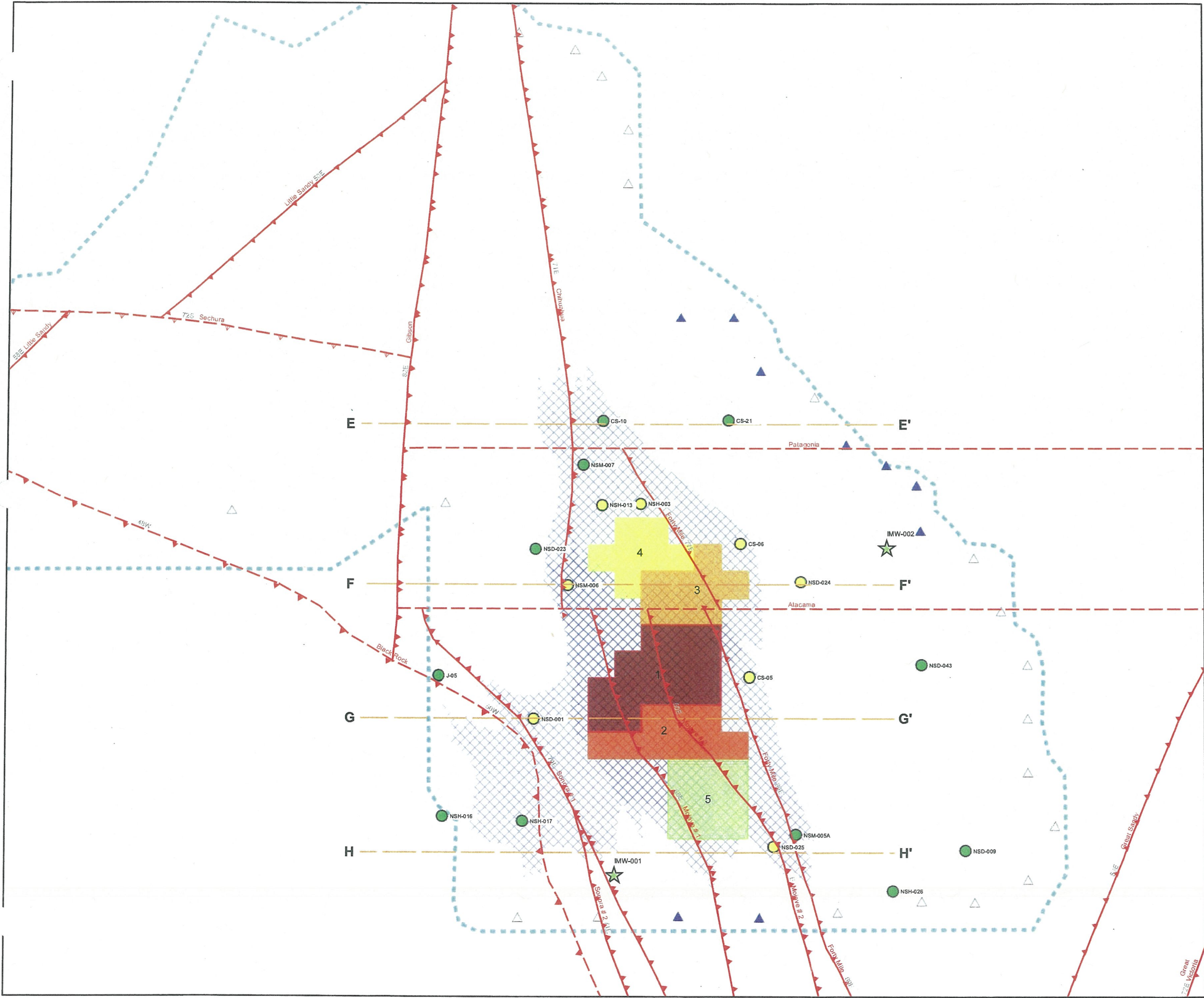


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Date: 2/20/2017



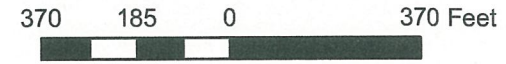
Coordinate System: NAD 1983
StatePlane Arizona East FIPS 0201
Feet

**FIGURE A-13
INTERMEDIATE MONITORING WELL
LOCATIONS: YEAR 1**



Legend

- Approx Fault + Dip Direction (projected at bedrock surface)
 - Cross Section Lines E - H
 - New IMW
 - Active HC Wells
 - Inactive HC Wells
 - Outer IMW
 - Inner IMW
 - Aquifer Test Influence Area
 - Wellfield Boundary
- | Production | |
|------------|--------|
| | Year 1 |
| | Year 2 |
| | Year 3 |
| | Year 4 |
| | Year 5 |

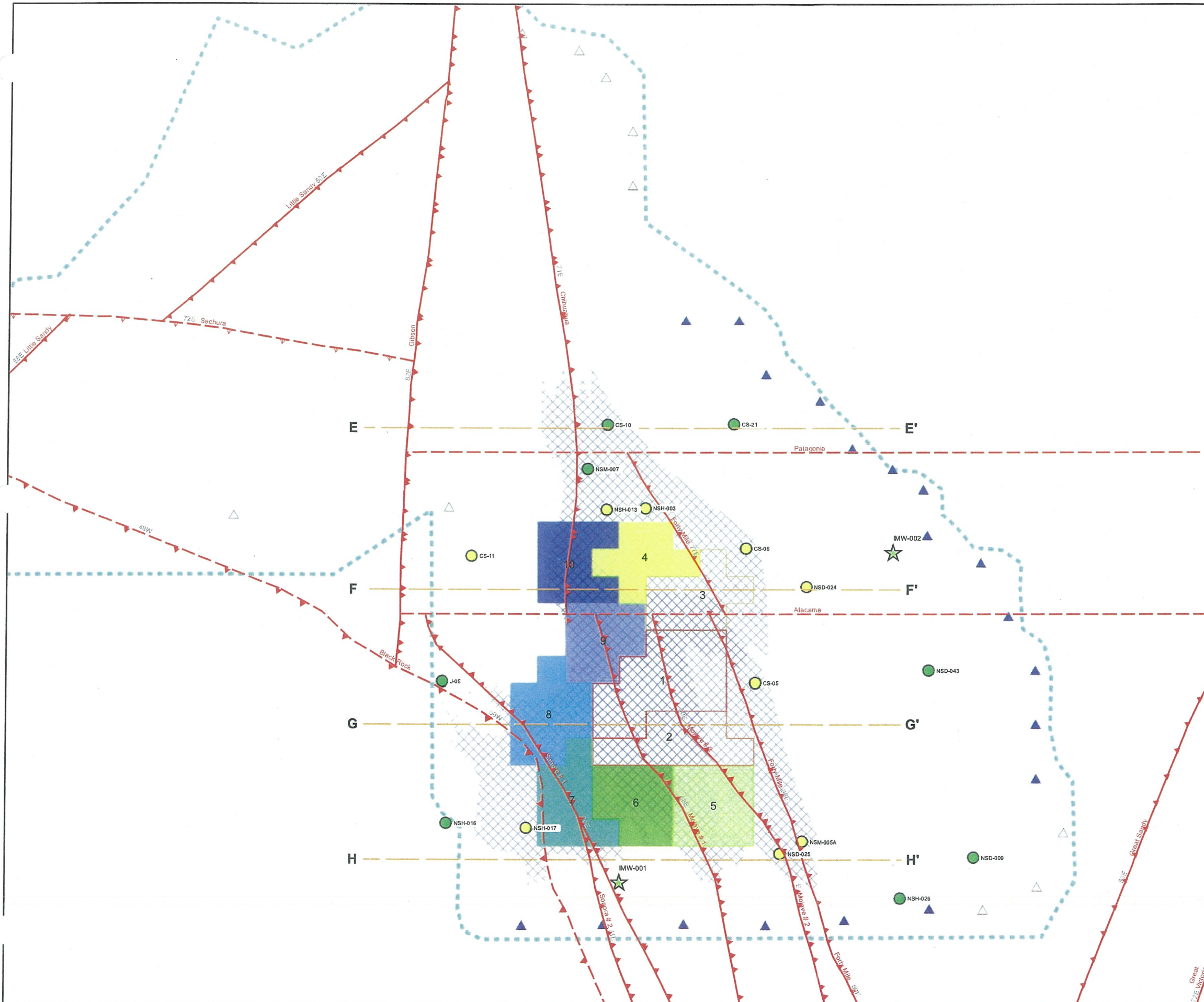


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Gunnison Copper Project
Date: 2/20/2017



Coordinate System: NAD 1983
StatePlane Arizona East FIPS 0201
Feet

**FIGURE A-14
INTERMEDIATE MONITORING WELL
LOCATIONS: YEAR 5**



Legend

- Approx Fault + Dip Direction (projected at bedrock surface)
 - Cross Section Lines E - H
 - New IMW
 - Outer IMW
 - Inner IMW
 - Active HC Wells
 - Inactive HC Wells
 - Aquifer Test Influence Area
 - Wellfield Boundary
- | Production | |
|------------|-----------------|
| | Year 1 (Rinsed) |
| | Year 2 (Rinsed) |
| | Year 3 (Rinsed) |
| | Year 4 |
| | Year 5 |
| | Year 6 |
| | Year 7 |
| | Year 8 |
| | Year 9 |
| | Year 10 |

370 185 0 370 Feet

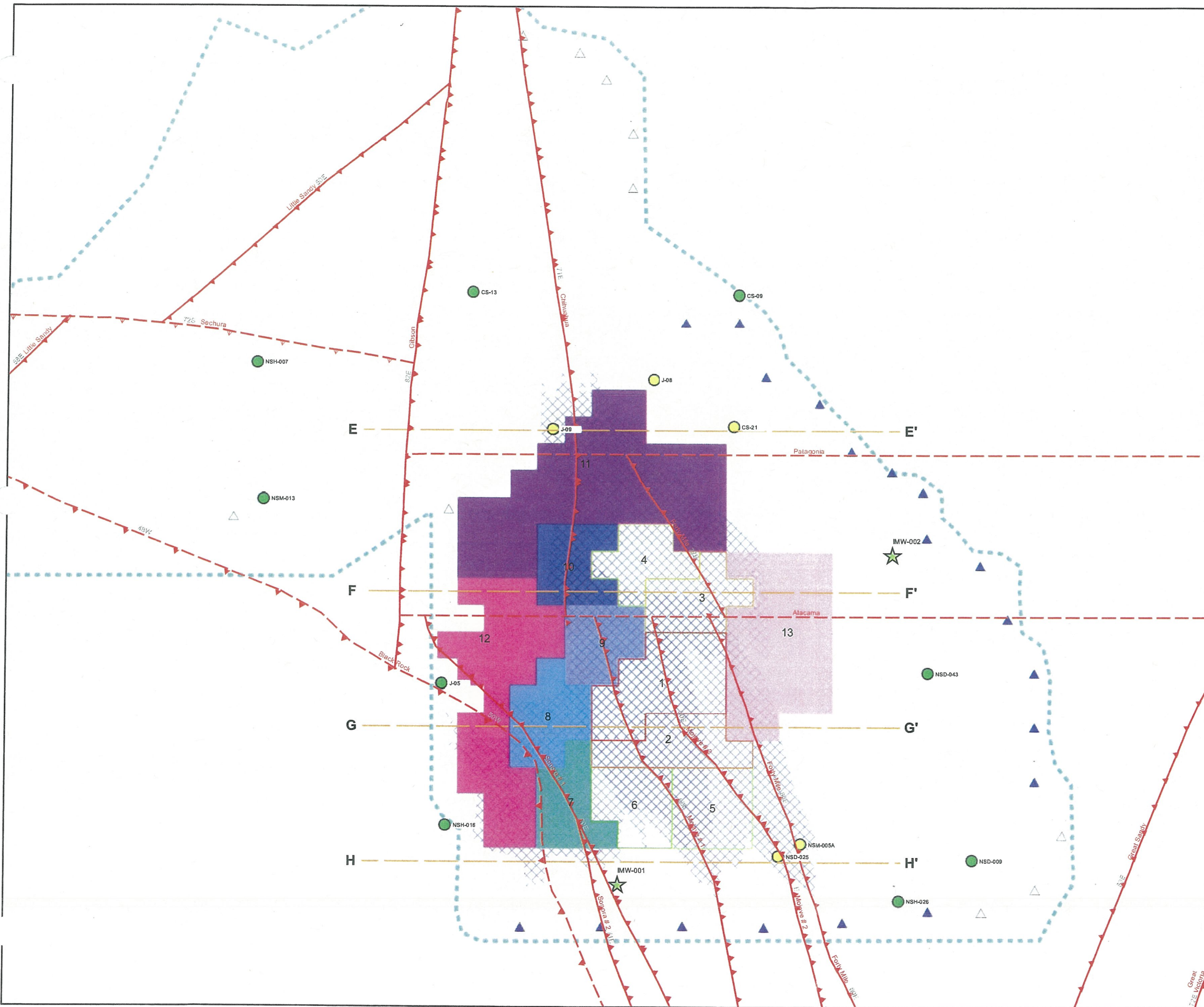


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Coordinate System: NAD 1983
StatePlane Arizona East FIPS 0201
Feet

**FIGURE A-15
INTERMEDIATE MONITORING WELL
LOCATIONS: YEAR 10**



Legend

- Approx Fault + Dip Direction (projected at bedrock surface)
 - Cross Section Lines E - H
 - New IMW
 - Outer IMW
 - Inner IMW
 - Active HC Wells
 - Inactive HC Wells
 - Aquifer Test Influence Area
 - Wellfield Boundary
- | Production | |
|-----------------|--|
| Year 1 (Rinsed) | |
| Year 2 (Rinsed) | |
| Year 3 (Rinsed) | |
| Year 4 (Rinsed) | |
| Year 5 (Rinsed) | |
| Year 6 (Rinsed) | |
| Year 7 | |
| Year 8 | |
| Year 9 | |
| Year 10 | |
| Year 11 | |
| Year 12 | |
| Year 13 | |



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Gunnison Copper Project
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Coordinate System: NAD 1983
StatePlane Arizona East FIPS 0201
Feet

**FIGURE A-16
INTERMEDIATE MONITORING WELL
LOCATIONS: YEAR 13**

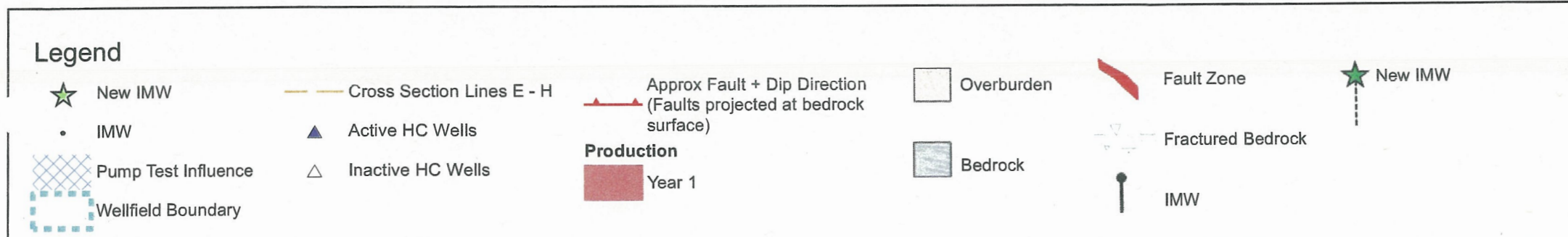
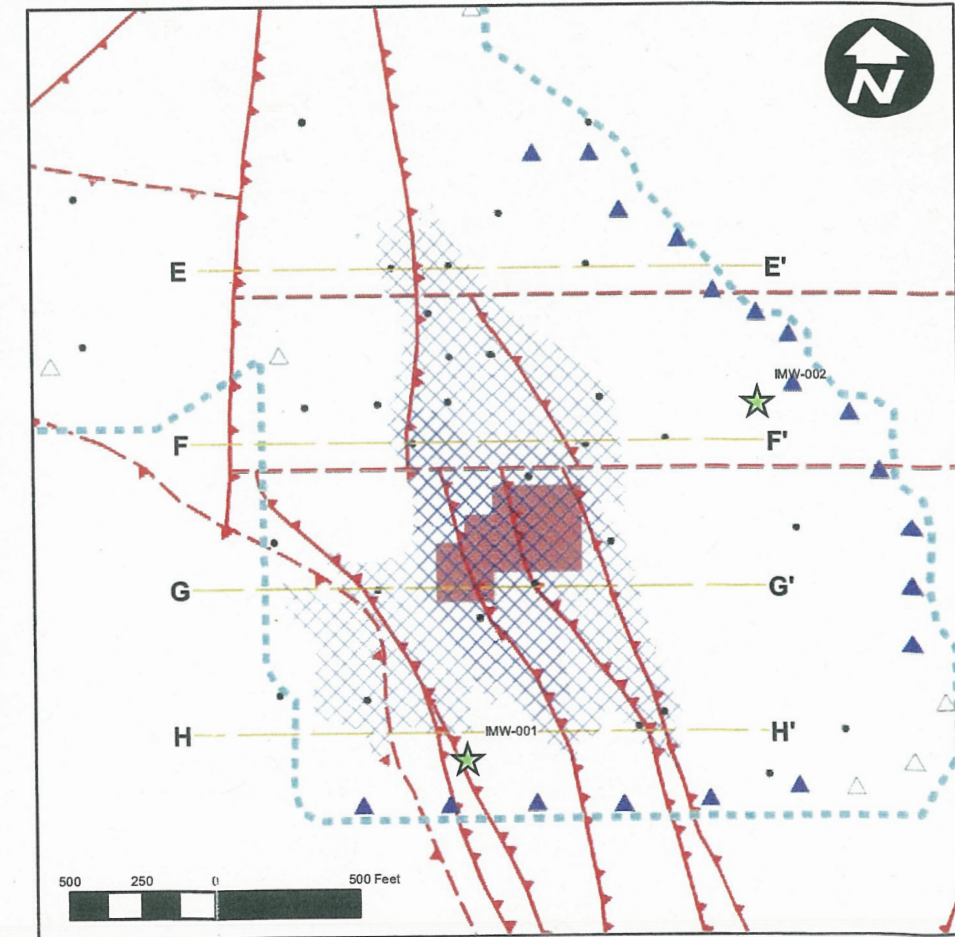
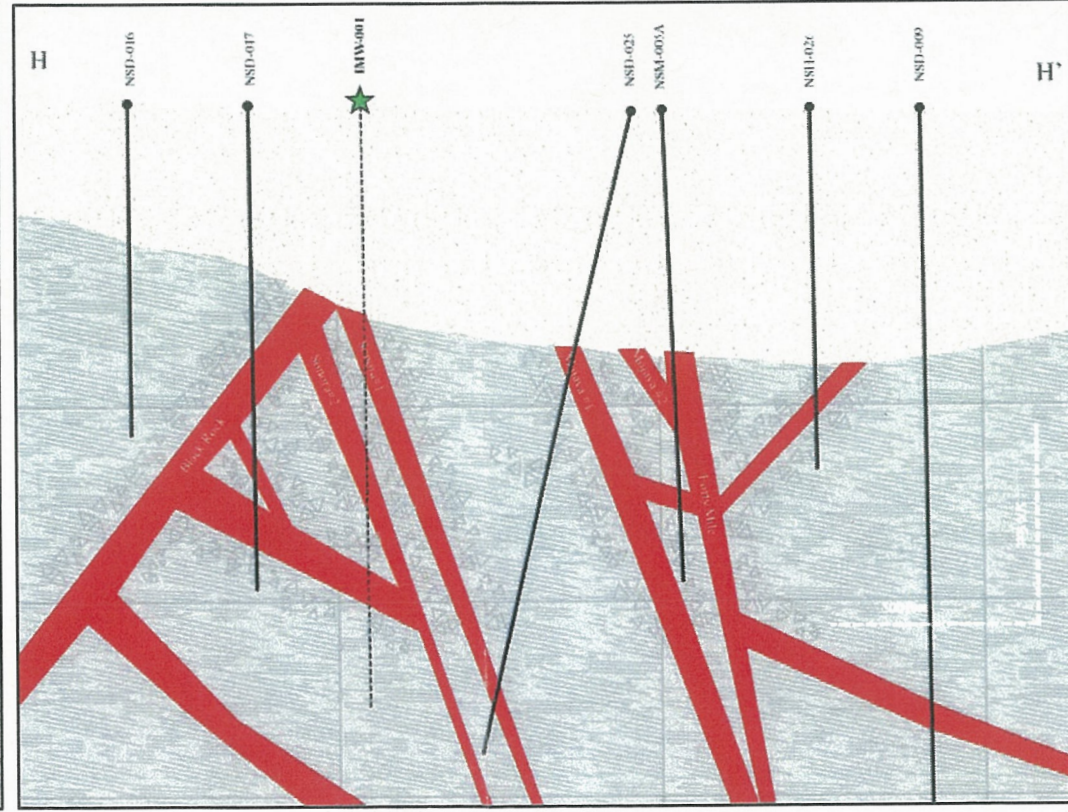
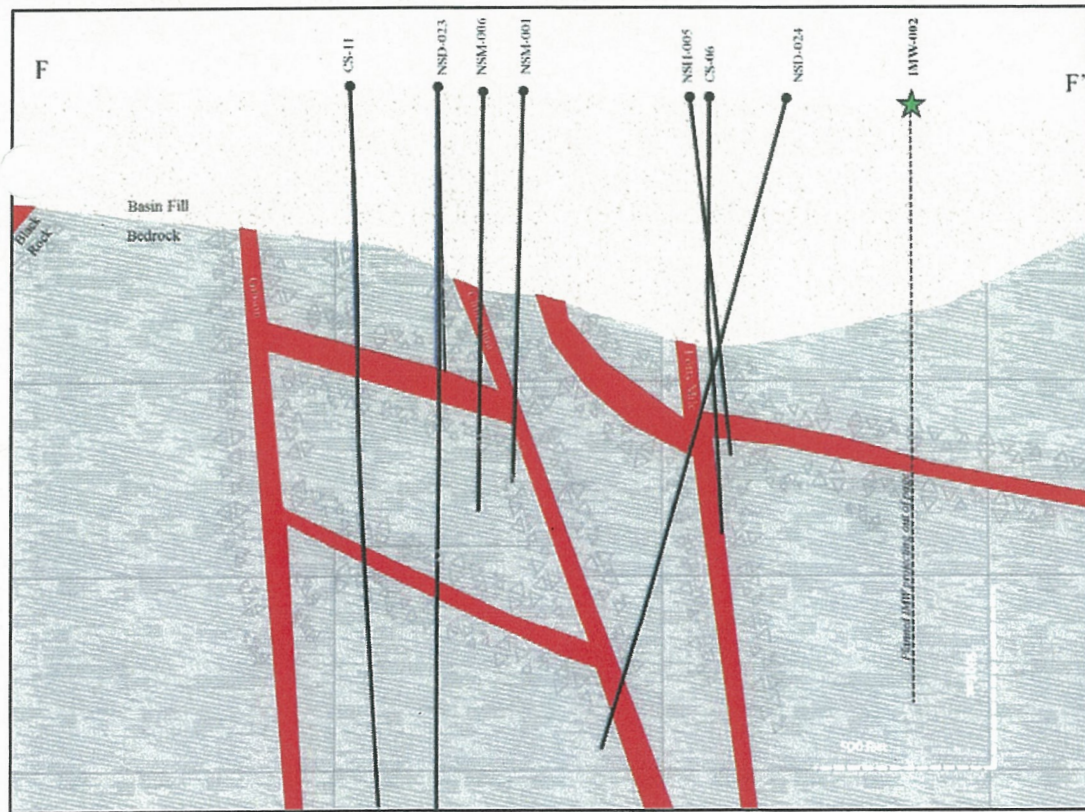
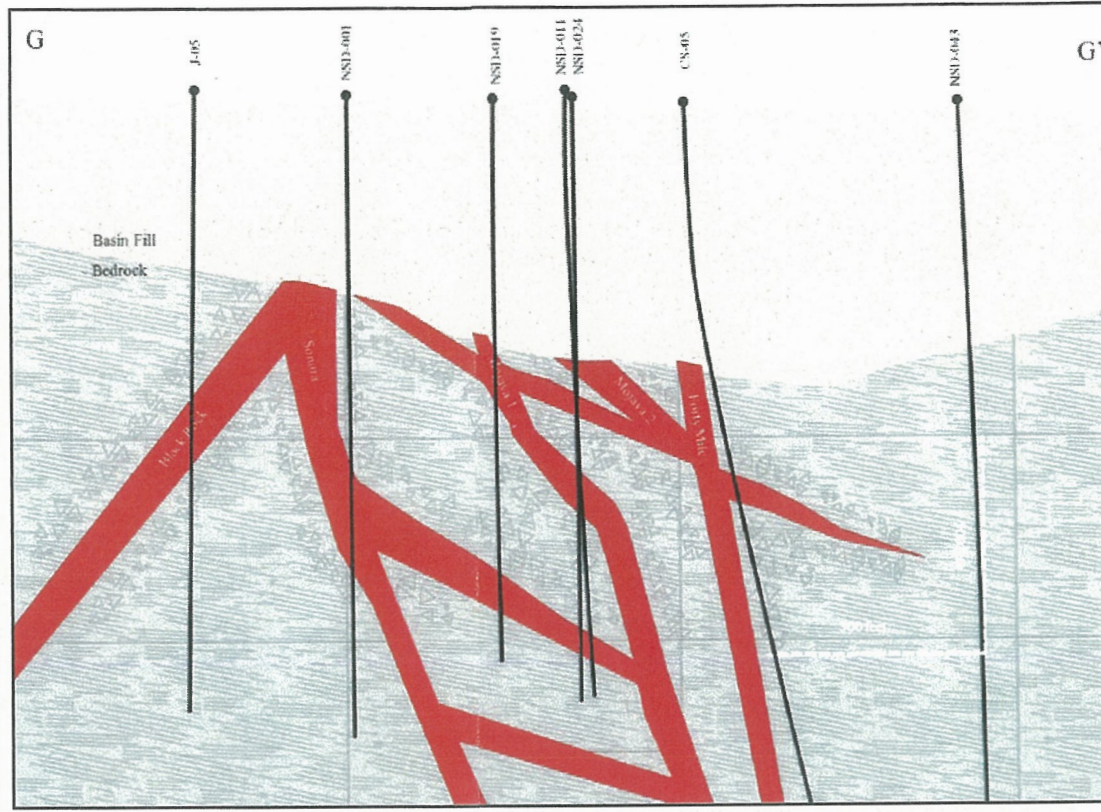
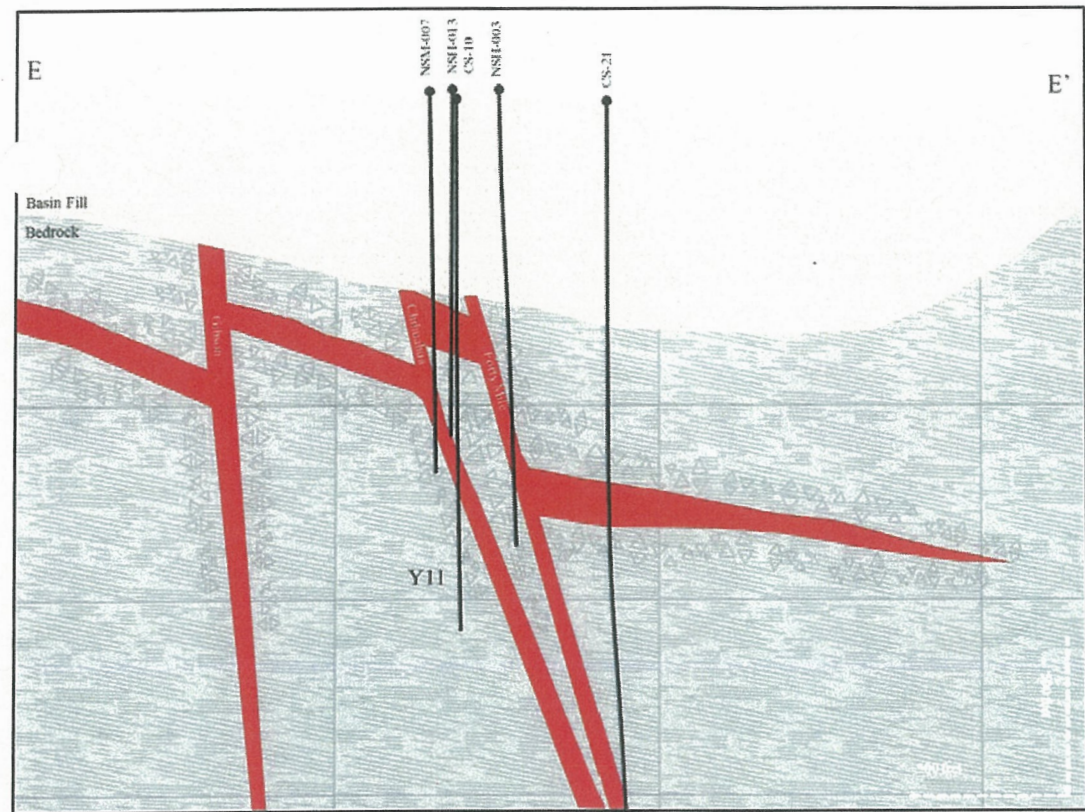


FIGURE A-17
INTERMEDIATE MONITORING WELL
LOCATIONS - CROSS SECTIONS E-F

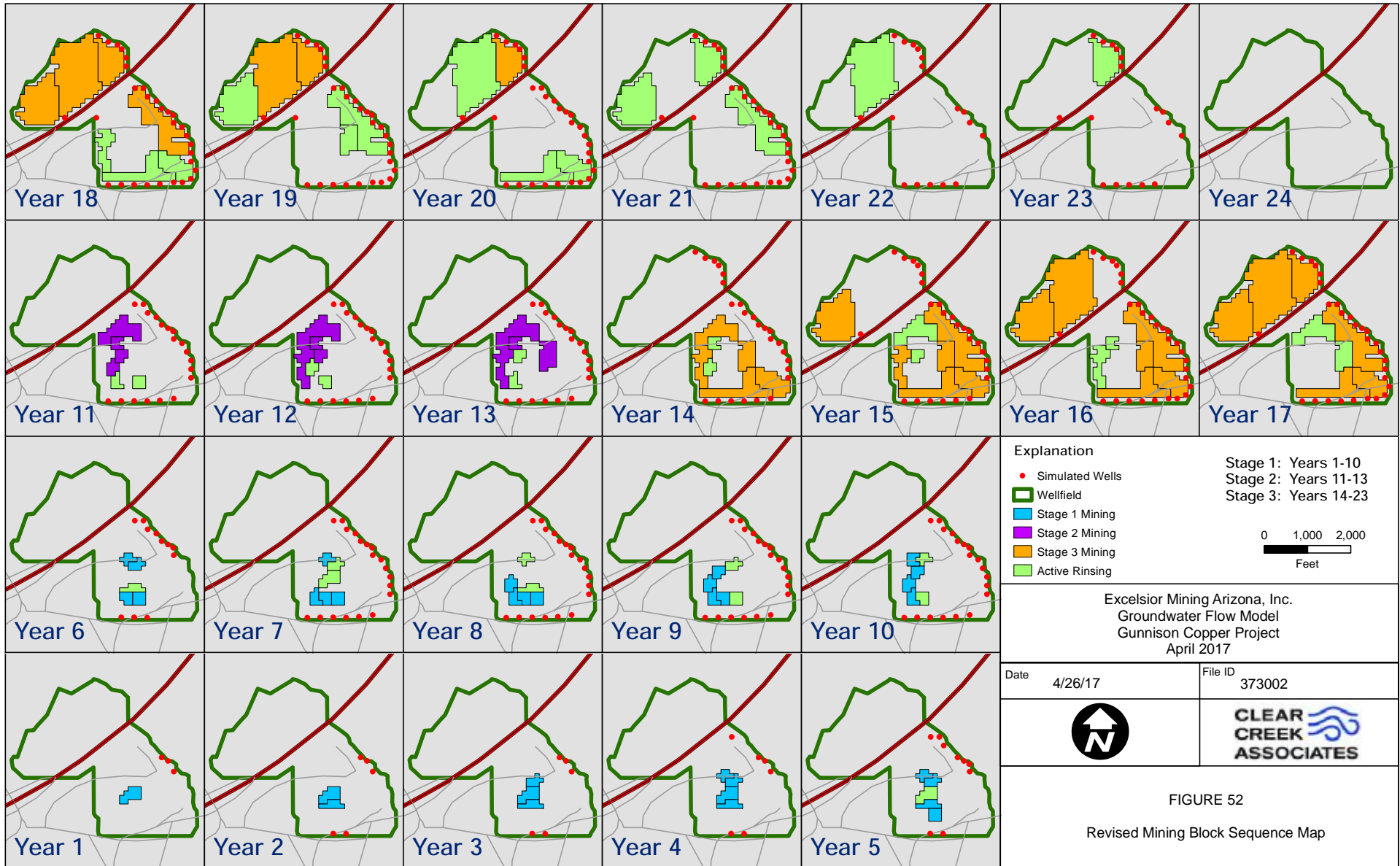


Table A-1: Intermediate Monitoring Well Activity by Production Year

Intermediate Monitoring Well Activity By Production																										
								IMW Activity by Production Year																		
								O	Outer IMW				I				A									
	HOLEID	Azimuth	Dip	Collar Elevation (ft)	Depth (ft)	Lat	Long	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Screened	Screen Depth From (ft)	Screen Depth To (ft)	
1	NSH-019	0	-90	4813.772	1410	32.0815879°	-110.0478899°	I	A														Open Hole	638	1410	
2	NSH-024	0	-90	4819.07	1445	32.0819062°	-110.0428590°	I	A														Open Hole	625	1445	
3	NSD-011	0	-90	4834.35	1438	32.0829234°	-110.0429125°	A															N	645	1438	
4	NSH-005	0	-90	4829.83	1040	32.0832251°	-110.0422664°	I	I	A													Y	747	1019	
5	NSM-001	0	-90	4850.525	1150	32.0836335°	-110.0437963°	I	I	I	A												N	575	1150	
6	NSD-001	0	-90	4827.17	1506	32.0818639°	-110.0446091°	I	I	I	I	I	I	I	A								N	458	1506	
7	NSD-023 ^f	180	-70	4857.306	1546	32.0836150°	-110.0445842°	O	O	O	O	O	O	O	O	I	A						N	557	1546	
8	NSM-006	0	-90	4847.479	1217	32.0832435°	-110.0441972°	I	I	I	I	I	I	I	I	I	A						N	541	1217	
9	CS-10	0	-90	4828.54	1656	32.0849309°	-110.0437687°	O	O	O	O	O	O	O	O	O	O	A					N	730	1656	
10	CS-11	0	-90	4863.12	2084	32.0835938°	-110.0454011°	O	O	O	O	O	O	O	O	O	I	A					N	481	2084	
11	NSH-003	0	-90	4846.072	1432	32.0840811°	-110.0478867°	O	O	O	I	I	I	I	I	I	I	A					Y	1232	1399	
12	NSH-013	0	-90	4850.415	1070	32.0840678°	-110.0437796°	O	O	I	I	I	I	I	I	I	I	A					Open Hole	650	1070	
13	NSM-007	0	-90	4844.188	1168	32.0844803°	-110.0440050°	O	O	O	O	O	O	O	O	O	O	A					N	600	1168	
14	NSH-017	0	-90	4806.813	1181	32.0808222°	-110.0447493°	O	O	O	O	O	O	I	I	I	I	I	A				Y	940	1181	
15	CS-05	0	-90	4817.75	2034	32.0822957°	-110.0419996°	I	I	I	I	I	I	I	I	I	I	I	I	A			N	645	2034	
16	CS-06	0	-90	4831.4	2160	32.0836703°	-110.0421043°	I	I	I	I	I	I	I	I	I	I	I	I	A			N	718	2160	
17	NSD-024 ^f	270	-70	4823.291	1972	32.0832737°	-110.0413848°	I	I	I	I	I	I	I	I	I	I	I	I	A			N	750	1972	
17.5	IMW-001 [*]	270	-70	4798	1600 [*]	32.0802743°	-110.0436410°	O	O	O	O	O	O	O	O	O	O	O	O	O	O	A	N (?)	600 (approx)	1600 (approx)	
18	NSD-009	0	-90	4788.19	1793	32.0805145°	-110.0393900°	O	O	O	O	O	O	O	O	O	O	O	O	O	A		N	620	1793	
19	NSD-025 ^f	270	-70	4789.8	1644	32.0805525°	-110.0417146°	O	O	O	O	I	I	I	I	I	I	I	I	I	A		N	637	1644	
20	NSH-026	0	-90	4794.091	905	32.0819062°	-110.0428590°	O	O	O	O	O	O	O	O	O	O	O	O	O	A		Open Hole	625	905	
21	NSM-005A	0	-90	4786.902	1172	32.0806787°	-110.0414465°	O	O	O	O	O	O	I	I	I	I	I	I	I	A		N	592	1172	
22	CS-21	0	-90	4809.94	2171	32.0849350°	-110.0422414°	O	O	O	O	O	O	O	O	O	O	I	I	I	I	A	N	688	2171	
23	NSD-043	0	-90	4802.365	1736	32.0824201°	-110.0399104°	O	O	O	O	O	O	O	O	O	O	O	O	O	A		N	630	1736	
23.5	IMW-002 [*] ^f	180	-70	4800	1600 [*]	32.0836339°	-110.0403275°	O	O	O	O	O	O	O	O	O	O	O	O	O	A		N (?)	750 (approx)	1600 (approx)	
24	J-05	0	-90	4836.75	1475	32.0823131°	-110.0457580°	O	O	O	O	O	O	O	O	O	O	O	O	O	O		N	415	1475	
25	NSH-016	0	-90	4812.227	820	32.0808698°	-110.0457147°	O	O	O	O	O	O	O	O	O	O	O	O	O	O		Y	301	701	
26	CS-09	0	-90	4832.68	2337	32.0862792°	-110.0421815°																N	685	2337	
27	CS-13	0	-90	4767.88	1251	32.0863042°	-110.0453846°																N	462	1251	
28	NSH-007	0	-90	4773.177	620	32.0855837°	-110.0479752°																Y	536	616	
29	NSM-013	0	-90	4881.136	953	32.0841926°	-110.0478866°																N	405	953	
30	J-08	0	-90	4810.4	1350	32.0854170°	-110.0432095°																N	661	1350	
31	J-09	0	-90	4824.4	1158	32.0849096°	-110.0444145°																N	591	1158	
34	[*] indicates planned IMW																									
	^f indicates angled IMW																									

Table A-2: Intermediate Monitoring Well Structures

Structure	NSH-017	NSP-001	NSP-025	IMW-001	NSH-016	NSH-024	NSP-011	NSM-025A	CS-05	CS-06	NSH-005	NSH-026	IMW-002	NSP-023	NSP-024	NSM-001	NSM-006	NSH-013	CS-10	NSM-007	CS-21	JOE	NSM-013	NSH-007	CS-11	CS-13	NSH-019	JOE	NSP-009	NSH-003	NSD-013	CS-09	JOE		
1 Black Rock	1	2	2	2	1																														
2 Bedding Parallel 840	2	2	2	2	2																														
3 Bedding Parallel 842	1	2	2	2	2																														
4 Bedding Parallel 843	2	2	2	2	2																														
5 Bedding Parallel 844	2	1	2	2	2																														
6 Sonora #1 & 2		1	1	1		2							2														2								
7 Bedding Parallel 823	2				1								1	2	2	2	2	2							1	1	1								
8 Bedding Parallel 845	2	2	2		2																														
9 Bedding Parallel 846	2	2	2		2																														
10 Bedding Parallel 848	2	2	2		2																														
11 Bedding Parallel 852	2	2	2		2																							1							
12 Mojave #1		1			1	2	2																				2								
13 Bedding Parallel 858		2			1	1	2						2	2																					
14 Bedding Parallel 856		2			2	2	1						2	2																					
15 Mojave #2					1	1	2						2	2																					
16 Forty Mile					2	2	1	2	2	2	2	2	1		1	2																2			
17 Bedding Parallel 828							2	2	2	2	2	2	2	2	2	2																1			
18 Bedding Parallel 826							2	2	2	2	1		2	2	2																				
19 BP 827							2	1	1	1			2	2	2																				
20 Atacama													1	1	2	2	2																		
21 Chihuahua													2		1	1	1																		
22 Bedding Parallel 837															2	2	2																		
23 Gibson													2	2	2	2								2	2	2									
24 Bedding Parallel 823	2				1								1	2	2	2	2	2								1	1	1							
25 Bedding Parallel 860																2	2	2	2	2															
26 Chihuahua																1	1	1	1	1	2	2													
27 Bedding Parallel 825																2	2	2	2	2	1	1													
28 Bedding Parallel 824																1	2	1	1	1		1													
29 Patagonia																				2	2	2	2												
30 Bedding Parallel 822																								1	2										
31 Sechura													1											2	1										
32 Little Sandy													2											2	2										

Indicates Direct Drill Hole Intersection with Specified Structure

1

Indicates Secondary Connection with Specified Structure

2

*Each of the proposed wells intercepts at least one large structure and numerous small and secondary structures

Table 4.1-10		
Stage 1 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_07_4926	32° 04' 50.79758N'''	110° 02' 39.97794W''
IR_07_4927	32° 04' 50.79645N''	110° 02' 38.81558W''
IR_07_4928	32° 04' 50.79531N''	110° 02' 37.65323W''
IR_06_4929	32° 04' 50.79417N''	110° 02' 36.49088W''
IR_06_4930	32° 04' 50.79303N''	110° 02' 35.32852W''
IR_05_4931	32° 04' 50.79189N''	110° 02' 34.16617W''
IR_05_4932	32° 04' 50.79074N''	110° 02' 33.00381W''
IR_05_4933	32° 04' 50.78959N''	110° 02' 31.84146W''
IR_07_4994	32° 04' 51.78721N''	110° 02' 39.97662W''
IR_07_4995	32° 04' 51.78608N''	110° 02' 38.81426W''
IR_06_4996	32° 04' 51.78495N''	110° 02' 37.65191W''
IR_06_4997	32° 04' 51.78381N''	110° 02' 36.48955W''
IR_06_4998	32° 04' 51.78267N''	110° 02' 35.32719W''
IR_05_4999	32° 04' 51.78152N''	110° 02' 34.16484W''
IR_05_5000	32° 04' 51.78038N''	110° 02' 33.00248W''
IR_05_5001	32° 04' 51.77923N''	110° 02' 31.84012W''
IR_07_5062	32° 04' 52.77684N''	110° 02' 39.97531W''
IR_07_5063	32° 04' 52.77571N''	110° 02' 38.81295W''
IR_06_5064	32° 04' 52.77458N''	110° 02' 37.65059W''
IR_06_5065	32° 04' 52.77344N''	110° 02' 36.48823W''
IR_06_5066	32° 04' 52.77230N''	110° 02' 35.32586W''
IR_05_5067	32° 04' 52.77116N''	110° 02' 34.16351W''
IR_05_5068	32° 04' 52.77001N''	110° 02' 33.00114W''
IR_05_5069	32° 04' 52.76886N''	110° 02' 31.83878W''
IR_08_5129	32° 04' 53.76761N''	110° 02' 41.13636W''
IR_08_5130	32° 04' 53.76648N''	110° 02' 39.97400W''
IR_07_5131	32° 04' 53.76535N''	110° 02' 38.81163W''
IR_02_5132	32° 04' 53.76421N''	110° 02' 37.64927W''
IR_02_5133	32° 04' 53.76307N''	110° 02' 36.48690W''
IR_02_5134	32° 04' 53.76193N''	110° 02' 35.32454W''
IR_02_5135	32° 04' 53.76079N''	110° 02' 34.16217W''
IR_02_5136	32° 04' 53.75964N''	110° 02' 32.99981W''
IR_02_5137	32° 04' 53.75849N''	110° 02' 31.83745W''
IR_08_5197	32° 04' 54.75724N''	110° 02' 41.13505W''
IR_08_5198	32° 04' 54.75611N''	110° 02' 39.97268W''
IR_08_5199	32° 04' 54.75498N''	110° 02' 38.81031W''
IR_01_5200	32° 04' 54.75384N''	110° 02' 37.64795W''
IR_01_5201	32° 04' 54.75271N''	110° 02' 36.48558W''
IR_02_5202	32° 04' 54.75156N''	110° 02' 35.32321W''
IR_02_5203	32° 04' 54.75042N''	110° 02' 34.16084W''
IR_02_5204	32° 04' 54.74927N''	110° 02' 32.99847W''
IR_08_5265	32° 04' 55.74687N''	110° 02' 41.13374W''
IR_08_5266	32° 04' 55.74574N''	110° 02' 39.97137W''
IR_08_5267	32° 04' 55.74461N''	110° 02' 38.80900W''
IR_01_5268	32° 04' 55.74348N''	110° 02' 37.64663W''
IR_01_5269	32° 04' 55.74234N''	110° 02' 36.48425W''
IR_01_5270	32° 04' 55.74120N''	110° 02' 35.32188W''

Table 4.1-10		
Stage 1 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_01_5271	32° 04' 55.74006N"	110° 02' 34.15951W"
IR_01_5272	32° 04' 55.73891N"	110° 02' 32.99714W"
IR_08_5334	32° 04' 56.73538N"	110° 02' 39.97005W"
IR_09_5335	32° 04' 56.73425N"	110° 02' 38.80768W"
IR_09_5336	32° 04' 56.73311N"	110° 02' 37.64531W"
IR_01_5337	32° 04' 56.73197N"	110° 02' 36.48293W"
IR_01_5338	32° 04' 56.73083N"	110° 02' 35.32055W"
IR_01_5339	32° 04' 56.72969N"	110° 02' 34.15818W"
IR_01_5340	32° 04' 56.72854N"	110° 02' 32.99580W"
IR_09_5403	32° 04' 57.72388N"	110° 02' 38.80636W"
IR_09_5404	32° 04' 57.72274N"	110° 02' 37.64398W"
IR_09_5405	32° 04' 57.72161N"	110° 02' 36.48160W"
IR_01_5406	32° 04' 57.72046N"	110° 02' 35.31922W"
IR_01_5407	32° 04' 57.71932N"	110° 02' 34.15685W"
IR_01_5408	32° 04' 57.71817N"	110° 02' 32.99447W"
IR_09_5471	32° 04' 58.71351N"	110° 02' 38.80504W"
IR_09_5472	32° 04' 58.71238N"	110° 02' 37.64266W"
IR_09_5473	32° 04' 58.71124N"	110° 02' 36.48028W"
IR_03_5474	32° 04' 58.71010N"	110° 02' 35.31790W"
IR_03_5475	32° 04' 58.70896N"	110° 02' 34.15552W"
IR_03_5476	32° 04' 58.70781N"	110° 02' 32.99313W"
IR_10_5538	32° 04' 59.70428N"	110° 02' 39.96611W"
IR_10_5539	32° 04' 59.70315N"	110° 02' 38.80373W"
IR_10_5540	32° 04' 59.70201N"	110° 02' 37.64134W"
IR_04_5541	32° 04' 59.70087N"	110° 02' 36.47896W"
IR_03_5542	32° 04' 59.69973N"	110° 02' 35.31657W"
IR_03_5543	32° 04' 59.69859N"	110° 02' 34.15419W"
IR_03_5544	32° 04' 59.69744N"	110° 02' 32.99180W"
IR_03_5545	32° 04' 59.69629N"	110° 02' 31.82942W"
IR_10_5606	32° 05' 00.69391N"	110° 02' 39.96480W"
IR_10_5607	32° 05' 00.69278N"	110° 02' 38.80241W"
IR_04_5608	32° 05' 00.69164N"	110° 02' 37.64002W"
IR_04_5609	32° 05' 00.69051N"	110° 02' 36.47763W"
IR_04_5610	32° 05' 00.68936N"	110° 02' 35.31524W"
IR_04_5611	32° 05' 00.68822N"	110° 02' 34.15285W"
IR_03_5612	32° 05' 00.68707N"	110° 02' 32.99046W"
IR_10_5674	32° 05' 01.68354N"	110° 02' 39.96348W"
IR_10_5675	32° 05' 01.68241N"	110° 02' 38.80109W"
IR_10_5676	32° 05' 01.68128N"	110° 02' 37.63870W"
IR_04_5677	32° 05' 01.68014N"	110° 02' 36.47631W"
IR_04_5678	32° 05' 01.67900N"	110° 02' 35.31391W"
IR_07_7631	32° 05' 50.30333N"	110° 02' 40.55977W"
IR_07_7632	32° 05' 51.29296N"	110° 02' 40.55846W"
IR_07_7633	32° 04' 51.29183N"	110° 02' 39.39610W"
IR_07_7634	32° 04' 50.30220N"	110° 02' 39.39742W"
IR_07_7639	32° 04' 50.30106N"	110° 02' 38.23507W"
IR_06_7640	32° 04' 51.29069N"	110° 02' 38.23375W"
IR_06_7641	32° 04' 51.28956N"	110° 02' 37.07139W"

Table 4.1-10		
Stage 1 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_06_7642	32° 04' 50.29993N"	110° 02' 37.07271W"
IR_06_7647	32° 04' 50.29879N"	110° 02' 35.91036W"
IR_06_7648	32° 04' 51.28842N"	110° 02' 35.90904W"
IR_05_7655	32° 04' 50.29765N"	110° 02' 34.74801W"
IR_05_7656	32° 04' 51.28728N"	110° 02' 34.74668W"
IR_05_7657	32° 04' 51.28613N"	110° 02' 33.58433W"
IR_05_7658	32° 04' 50.29650N"	110° 02' 33.58566W"
IR_05_7665	32° 04' 50.29535N"	110° 02' 32.42331W"
IR_05_7666	32° 04' 51.28498N"	110° 02' 32.42197W"
IR_05_7667	32° 04' 51.28383N"	110° 02' 31.25961W"
IR_05_7668	32° 04' 50.29420N"	110° 02' 31.26095W"
IR_07_7713	32° 04' 52.28259N"	110° 02' 40.55715W"
IR_07_7714	32° 04' 52.28146N"	110° 02' 39.39479W"
IR_06_7715	32° 04' 52.28033N"	110° 02' 38.23243W"
IR_06_7716	32° 04' 52.27919N"	110° 02' 37.07007W"
IR_06_7717	32° 04' 52.27805N"	110° 02' 35.90771W"
IR_05_7718	32° 04' 52.27691N"	110° 02' 34.74535W"
IR_05_7719	32° 04' 52.27577N"	110° 02' 33.58299W"
IR_05_7720	32° 04' 52.27462N"	110° 02' 32.42063W"
IR_05_7721	32° 04' 52.27347N"	110° 02' 31.25827W"
IR_02_7728	32° 04' 53.26310N"	110° 02' 31.25693W"
IR_02_7729	32° 04' 53.26425N"	110° 02' 32.41930W"
IR_02_7730	32° 04' 53.26540N"	110° 02' 33.58166W"
IR_02_7731	32° 04' 53.26655N"	110° 02' 34.74402W"
IR_02_7732	32° 04' 53.26769N"	110° 02' 35.90638W"
IR_02_7733	32° 04' 53.26883N"	110° 02' 37.06874W"
IR_02_7734	32° 04' 53.26996N"	110° 02' 38.23111W"
IR_07_7735	32° 04' 53.27110N"	110° 02' 39.39347W"
IR_07_7736	32° 04' 53.27223N"	110° 02' 40.55583W"
IR_08_7737	32° 04' 53.27335N"	110° 02' 41.71820W"
IR_08_7738	32° 04' 54.26299N"	110° 02' 41.71689W"
IR_08_7739	32° 04' 54.26186N"	110° 02' 40.55452W"
IR_07_7740	32° 04' 54.26073N"	110° 02' 39.39216W"
IR_01_7741	32° 04' 54.25959N"	110° 02' 38.22979W"
IR_01_7742	32° 04' 54.25846N"	110° 02' 37.06742W"
IR_01_7743	32° 04' 54.25732N"	110° 02' 35.90506W"
IR_02_7744	32° 04' 54.25618N"	110° 02' 34.74269W"
IR_02_7745	32° 04' 54.25503N"	110° 02' 33.58033W"
IR_02_7746	32° 04' 54.25389N"	110° 02' 32.41796W"
IR_02_7747	32° 04' 54.25273N"	110° 02' 31.25559W"
IR_08_7808	32° 04' 55.25262N"	110° 02' 41.71558W"
IR_08_7807	32° 04' 55.25149N"	110° 02' 40.55321W"
IR_08_7806	32° 04' 55.25036N"	110° 02' 39.39084W"
IR_01_7805	32° 04' 55.24923N"	110° 02' 38.22847W"
IR_01_7804	32° 04' 55.24809N"	110° 02' 37.06610W"
IR_01_7803	32° 04' 55.24695N"	110° 02' 35.90373W"
IR_10_7849	32° 05' 02.17666N"	110° 02' 38.21924W"
IR_01_7802	32° 04' 55.24581N"	110° 02' 34.74136W"

Table 4.1-10		
Stage 1 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_04_7850	32° 05' 01.18703N"	110° 02' 38.22055W"
IR_01_7801	32° 04' 55.24467N"	110° 02' 33.57899W"
IR_04_7851	32° 05' 00.19739N"	110° 02' 38.22187W"
IR_01_7800	32° 04' 55.24352N"	110° 02' 32.41662W"
IR_09_7852	32° 04' 59.20776N"	110° 02' 38.22319W"
IR_04_7853	32° 04' 59.20662N"	110° 02' 37.06081W"
IR_03_7854	32° 04' 59.20549N"	110° 02' 35.89843W"
IR_03_7855	32° 04' 59.20434N"	110° 02' 34.73604W"
IR_03_7856	32° 04' 59.20320N"	110° 02' 33.57366W"
IR_03_7857	32° 04' 59.20205N"	110° 02' 32.41128W"
IR_03_7858	32° 04' 59.20090N"	110° 02' 31.24889W"
IR_01_7791	32° 04' 56.23315N"	110° 02' 32.41529W"
IR_01_7790	32° 04' 56.23430N"	110° 02' 33.57766W"
IR_01_7789	32° 04' 56.23544N"	110° 02' 34.74003W"
IR_01_7788	32° 04' 56.23659N"	110° 02' 35.90241W"
IR_01_7787	32° 04' 56.23772N"	110° 02' 37.06478W"
IR_03_7865	32° 05' 00.19053N"	110° 02' 31.24755W"
IR_01_7786	32° 04' 56.23886N"	110° 02' 38.22715W"
IR_03_7866	32° 05' 00.19168N"	110° 02' 32.40994W"
IR_08_7785	32° 04' 56.23999N"	110° 02' 39.38953W"
IR_03_7867	32° 05' 01.18132N"	110° 02' 32.40860W"
IR_08_7784	32° 04' 56.24112N"	110° 02' 40.55190W"
IR_08_7783	32° 04' 56.24225N"	110° 02' 41.71427W"
IR_04_7898	32° 05' 00.19626N"	110° 02' 37.05949W"
IR_03_7897	32° 05' 00.19512N"	110° 02' 35.89710W"
IR_03_7896	32° 05' 00.19398N"	110° 02' 34.73471W"
IR_08_7777	32° 04' 57.23076N"	110° 02' 40.55058W"
IR_03_7895	32° 05' 00.19283N"	110° 02' 33.57233W"
IR_08_7776	32° 04' 57.22963N"	110° 02' 39.38821W"
IR_03_7894	32° 05' 01.18246N"	110° 02' 33.57099W"
IR_09_7775	32° 04' 57.22850N"	110° 02' 38.22583W"
IR_04_7893	32° 05' 01.18361N"	110° 02' 34.73338W"
IR_01_7774	32° 04' 57.22736N"	110° 02' 37.06345W"
IR_04_7892	32° 05' 01.18475N"	110° 02' 35.89577W"
IR_01_7773	32° 04' 57.22622N"	110° 02' 35.90108W"
IR_04_7891	32° 05' 01.18589N"	110° 02' 37.05816W"
IR_01_7772	32° 04' 57.22508N"	110° 02' 34.73870W"
IR_04_7890	32° 05' 02.17552N"	110° 02' 37.05684W"
IR_01_7771	32° 04' 57.22393N"	110° 02' 33.57633W"
IR_04_7889	32° 05' 02.17438N"	110° 02' 35.89445W"
IR_01_7770	32° 04' 57.22279N"	110° 02' 32.41395W"
IR_04_7888	32° 05' 02.17324N"	110° 02' 34.73205W"
IR_01_7761	32° 04' 58.21242N"	110° 02' 32.41261W"
IR_01_7760	32° 04' 58.21357N"	110° 02' 33.57499W"
IR_01_7759	32° 04' 58.21471N"	110° 02' 34.73737W"
IR_01_7758	32° 04' 58.21585N"	110° 02' 35.89975W"
IR_09_7757	32° 04' 58.21699N"	110° 02' 37.06213W"
IR_09_7756	32° 04' 58.21813N"	110° 02' 38.22451W"

Table 4.1-10		
Stage 1 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_09_7755	32° 04' 58.21926N"	110° 02' 39.38689W"
IR_10_7829	32° 04' 59.21002N"	110° 02' 40.54796W"
IR_10_7830	32° 05' 00.19966N"	110° 02' 40.54665W"
IR_10_7831	32° 05' 01.18929N"	110° 02' 40.54533W"
IR_10_7832	32° 05' 02.17892N"	110° 02' 40.54402W"
IR_10_7840	32° 05' 02.17779N"	110° 02' 39.38163W"
IR_10_7841	32° 05' 01.18816N"	110° 02' 39.38295W"
IR_10_7842	32° 05' 00.19853N"	110° 02' 39.38426W"
IR_09_7843	32° 04' 59.20889N"	110° 02' 39.38558W"

Table 4.1-11		
Stage 2 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_12_4924	32° 04' 50.79983N"	110° 02' 42.30265W"
IR_12_4925	32° 04' 50.79871N"	110° 02' 41.14029W"
IR_12_4992	32° 04' 51.78947N"	110° 02' 42.30134W"
IR_12_4993	32° 04' 51.78834N"	110° 02' 41.13898W"
IR_12_5059	32° 04' 52.78022N"	110° 02' 43.46239W"
IR_12_5060	32° 04' 52.77910N"	110° 02' 42.30003W"
IR_12_5061	32° 04' 52.77797N"	110° 02' 41.13767W"
IR_12_5127	32° 04' 53.76985N"	110° 02' 43.46109W"
IR_12_5128	32° 04' 53.76873N"	110° 02' 42.29872W"
IR_12_5195	32° 04' 54.75949N"	110° 02' 43.45979W"
IR_12_5196	32° 04' 54.75836N"	110° 02' 42.29742W"
IR_13_5205	32° 04' 54.74813N"	110° 02' 31.83611W"
IR_13_5206	32° 04' 54.74697N"	110° 02' 30.67374W"
IR_12_5264	32° 04' 55.74800N"	110° 02' 42.29611W"
IR_13_5273	32° 04' 55.73776N"	110° 02' 31.83477W"
IR_13_5274	32° 04' 55.73661N"	110° 02' 30.67240W"
IR_13_5275	32° 04' 55.73545N"	110° 02' 29.51002W"
IR_13_5276	32° 04' 55.73429N"	110° 02' 28.34766W"
IR_12_5331	32° 04' 56.73876N"	110° 02' 43.45718W"
IR_12_5332	32° 04' 56.73763N"	110° 02' 42.29480W"
IR_12_5333	32° 04' 56.73651N"	110° 02' 41.13243W"
IR_13_5341	32° 04' 56.72739N"	110° 02' 31.83343W"
IR_13_5342	32° 04' 56.72624N"	110° 02' 30.67106W"
IR_13_5343	32° 04' 56.72509N"	110° 02' 29.50868W"
IR_13_5344	32° 04' 56.72393N"	110° 02' 28.34631W"
IR_12_5398	32° 04' 57.73623N"	110° 02' 44.46488W"
IR_12_5399	32° 04' 57.72839N"	110° 02' 43.45588W"
IR_12_5400	32° 04' 57.72726N"	110° 02' 42.29350W"
IR_12_5401	32° 04' 57.72614N"	110° 02' 41.13112W"
IR_12_5402	32° 04' 57.72501N"	110° 02' 39.96874W"
IR_13_5409	32° 04' 57.71703N"	110° 02' 31.83209W"
IR_13_5410	32° 04' 57.71587N"	110° 02' 30.66971W"
IR_13_5411	32° 04' 57.71472N"	110° 02' 29.50733W"
IR_13_5412	32° 04' 57.71356N"	110° 02' 28.34496W"
IR_12_5468	32° 04' 58.71690N"	110° 02' 42.29219W"
IR_12_5469	32° 04' 58.71577N"	110° 02' 41.12981W"
IR_12_5470	32° 04' 58.71464N"	110° 02' 39.96743W"
IR_13_5477	32° 04' 58.70666N"	110° 02' 31.83075W"
IR_13_5478	32° 04' 58.70551N"	110° 02' 30.66837W"
IR_13_5479	32° 04' 58.70435N"	110° 02' 29.50599W"
IR_13_5480	32° 04' 58.70319N"	110° 02' 28.34361W"
IR_12_5534	32° 04' 59.70864N"	110° 02' 44.47035W"
IR_12_5535	32° 04' 59.70766N"	110° 02' 43.45327W"
IR_12_5536	32° 04' 59.70653N"	110° 02' 42.29088W"
IR_12_5537	32° 04' 59.70541N"	110° 02' 41.12850W"
IR_13_5546	32° 04' 59.69514N"	110° 02' 30.66703W"
IR_13_5547	32° 04' 59.69399N"	110° 02' 29.50464W"

Table 4.1-11 Stage 2 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_13_5548	32° 04' 59.69283N"	110° 02' 28.34226W"
IR_11_5602	32° 05' 00.69827N"	110° 02' 44.46905W"
IR_11_5603	32° 05' 00.69729N"	110° 02' 43.45196W"
IR_11_5604	32° 05' 00.69616N"	110° 02' 42.28957W"
IR_11_5605	32° 05' 00.69504N"	110° 02' 41.12719W"
IR_13_5613	32° 05' 00.68593N"	110° 02' 31.82808W"
IR_13_5614	32° 05' 00.68477N"	110° 02' 30.66569W"
IR_13_5615	32° 05' 00.68362N"	110° 02' 29.50330W"
IR_13_5616	32° 05' 00.68246N"	110° 02' 28.34091W"
IR_11_5670	32° 05' 01.68789N"	110° 02' 44.45968W"
IR_11_5671	32° 05' 01.68692N"	110° 02' 43.45066W"
IR_11_5672	32° 05' 01.68580N"	110° 02' 42.28827W"
IR_11_5673	32° 05' 01.68467N"	110° 02' 41.12588W"
IR_11_5679	32° 05' 01.67786N"	110° 02' 34.15152W"
IR_11_5680	32° 05' 01.67671N"	110° 02' 32.98913W"
IR_11_5739	32° 05' 02.67655N"	110° 02' 43.44936W"
IR_11_5740	32° 05' 02.67543N"	110° 02' 42.28696W"
IR_11_5741	32° 05' 02.67430N"	110° 02' 41.12457W"
IR_11_5742	32° 05' 02.67317N"	110° 02' 39.96217W"
IR_11_5743	32° 05' 02.67204N"	110° 02' 38.79977W"
IR_11_5744	32° 05' 02.67091N"	110° 02' 37.63738W"
IR_11_5745	32° 05' 02.66977N"	110° 02' 36.47498W"
IR_11_5746	32° 05' 02.66863N"	110° 02' 35.31258W"
IR_11_5747	32° 05' 02.66749N"	110° 02' 34.15019W"
IR_11_5748	32° 05' 02.66634N"	110° 02' 32.98779W"
IR_11_5809	32° 05' 03.66394N"	110° 02' 41.12326W"
IR_11_5810	32° 05' 03.66281N"	110° 02' 39.96086W"
IR_11_5811	32° 05' 03.66168N"	110° 02' 38.79845W"
IR_11_5812	32° 05' 03.66054N"	110° 02' 37.63606W"
IR_11_5813	32° 05' 03.65940N"	110° 02' 36.47366W"
IR_11_5814	32° 05' 03.65826N"	110° 02' 35.31126W"
IR_11_5815	32° 05' 03.65712N"	110° 02' 34.14886W"
IR_11_5816	32° 05' 03.65597N"	110° 02' 32.98646W"
IR_11_5878	32° 05' 04.65244N"	110° 02' 39.95954W"
IR_11_5879	32° 05' 04.65131N"	110° 02' 38.79714W"
IR_11_5880	32° 05' 04.65018N"	110° 02' 37.63474W"
IR_11_5881	32° 05' 04.64904N"	110° 02' 36.47233W"
IR_11_5882	32° 05' 04.64790N"	110° 02' 35.30993W"
IR_11_5883	32° 05' 04.64675N"	110° 02' 34.14753W"
IR_11_5884	32° 05' 04.64561N"	110° 02' 32.98512W"
IR_11_5947	32° 05' 05.64094N"	110° 02' 38.79582W"
IR_11_5948	32° 05' 05.63981N"	110° 02' 37.63342W"
IR_11_5949	32° 05' 05.63867N"	110° 02' 36.47101W"
IR_11_6016	32° 05' 06.62944N"	110° 02' 37.63209W"
IR_11_6017	32° 05' 06.62830N"	110° 02' 36.46968W"
IR_12_7623	32° 04' 50.30558N"	110° 02' 42.88447W"
IR_12_7624	32° 04' 51.29521N"	110° 02' 42.88317W"
IR_12_7625	32° 04' 51.29408N"	110° 02' 41.72081W"

Table 4.1-11		
Stage 2 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_12_7626	32° 04' 50.30445N"	110° 02' 41.72212W"
IR_07_7631	32° 04' 50.30333N"	110° 02' 40.55977W"
IR_07_7632	32° 04' 51.29296N"	110° 02' 40.55846W"
IR_12_7704	32° 04' 52.28484N"	110° 02' 42.88186W"
IR_12_7705	32° 04' 52.28596N"	110° 02' 44.04422W"
IR_12_7706	32° 04' 53.27560N"	110° 02' 44.04292W"
IR_12_7707	32° 04' 54.26523N"	110° 02' 44.04162W"
IR_12_7708	32° 04' 55.25487N"	110° 02' 44.04032W"
IR_12_7709	32° 04' 55.25374N"	110° 02' 42.87795W"
IR_12_7710	32° 04' 54.26411N"	110° 02' 42.87925W"
IR_12_7711	32° 04' 53.27448N"	110° 02' 42.88056W"
IR_12_7712	32° 04' 52.28372N"	110° 02' 41.71951W"
IR_07_7713	32° 04' 52.28259N"	110° 02' 40.55715W"
IR_07_7736	32° 04' 53.27223N"	110° 02' 40.55583W"
IR_08_7737	32° 04' 53.27335N"	110° 02' 41.71820W"
IR_08_7738	32° 04' 54.26299N"	110° 02' 41.71689W"
IR_02_7746	32° 04' 54.25389N"	110° 02' 32.41796W"
IR_02_7747	32° 04' 54.25273N"	110° 02' 31.25559W"
IR_13_7748	32° 04' 54.25158N"	110° 02' 30.09323W"
IR_08_7808	32° 04' 55.25262N"	110° 02' 41.71558W"
IR_11_7844	32° 05' 06.95279N"	110° 02' 37.98584W"
IR_11_7845	32° 05' 06.13519N"	110° 02' 38.21396W"
IR_11_7846	32° 05' 05.14556N"	110° 02' 38.21528W"
IR_11_7847	32° 05' 04.15593N"	110° 02' 38.21660W"
IR_11_7848	32° 05' 03.16629N"	110° 02' 38.21792W"
IR_10_7849	32° 05' 02.17666N"	110° 02' 38.21924W"
IR_01_7800	32° 04' 55.24352N"	110° 02' 32.41662W"
IR_13_7799	32° 04' 55.24237N"	110° 02' 31.25425W"
IR_13_7798	32° 04' 55.24121N"	110° 02' 30.09188W"
IR_13_7797	32° 04' 55.24006N"	110° 02' 28.92951W"
IR_13_7796	32° 04' 55.23890N"	110° 02' 27.76715W"
IR_13_7795	32° 04' 56.22853N"	110° 02' 27.76580W"
IR_03_7857	32° 04' 59.20205N"	110° 02' 32.41128W"
IR_13_7794	32° 04' 56.22969N"	110° 02' 28.92817W"
IR_03_7858	32° 04' 59.20090N"	110° 02' 31.24889W"
IR_13_7793	32° 04' 56.23085N"	110° 02' 30.09054W"
IR_13_7792	32° 04' 56.23200N"	110° 02' 31.25291W"
IR_13_7859	32° 04' 59.19975N"	110° 02' 30.08651W"
IR_01_7791	32° 04' 56.23315N"	110° 02' 32.41529W"
IR_13_7860	32° 04' 59.19859N"	110° 02' 28.92412W"
IR_13_7861	32° 04' 59.19743N"	110° 02' 27.76174W"
IR_13_7862	32° 05' 00.18706N"	110° 02' 27.76039W"
IR_13_7863	32° 05' 00.18822N"	110° 02' 28.92278W"
IR_13_7864	32° 05' 00.18938N"	110° 02' 30.08517W"
IR_03_7865	32° 05' 00.19053N"	110° 02' 31.24755W"
IR_03_7866	32° 05' 00.19168N"	110° 02' 32.40994W"
IR_03_7867	32° 05' 01.18132N"	110° 02' 32.40860W"
IR_08_7784	32° 04' 56.24112N"	110° 02' 40.55190W"

Table 4.1-11		
Stage 2 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_13_7868	32° 05' 01.18016N"	110° 02' 31.24621W"
IR_08_7783	32° 04' 56.24225N"	110° 02' 41.71427W"
IR_12_7782	32° 04' 56.24338N"	110° 02' 42.87664W"
IR_13_7869	32° 05' 01.17901N"	110° 02' 30.08382W"
IR_12_7781	32° 04' 56.24450N"	110° 02' 44.03902W"
IR_13_7870	32° 05' 01.17785N"	110° 02' 28.92143W"
IR_12_7780	32° 04' 57.23413N"	110° 02' 44.03771W"
IR_13_7871	32° 05' 01.17669N"	110° 02' 27.75904W"
IR_12_7779	32° 04' 57.23301N"	110° 02' 42.87534W"
IR_12_7778	32° 04' 57.23189N"	110° 02' 41.71296W"
IR_08_7777	32° 04' 57.23076N"	110° 02' 40.55058W"
IR_08_7776	32° 04' 57.22963N"	110° 02' 39.38821W"
IR_03_7894	32° 05' 01.18246N"	110° 02' 33.57099W"
IR_04_7893	32° 05' 01.18361N"	110° 02' 34.73338W"
IR_04_7890	32° 05' 02.17552N"	110° 02' 37.05684W"
IR_04_7889	32° 05' 02.17438N"	110° 02' 35.89445W"
IR_01_7770	32° 04' 57.22279N"	110° 02' 32.41395W"
IR_04_7888	32° 05' 02.17324N"	110° 02' 34.73205W"
IR_13_7769	32° 04' 57.22163N"	110° 02' 31.25157W"
IR_11_7887	32° 05' 02.17210N"	110° 02' 33.56966W"
IR_13_7768	32° 04' 57.22048N"	110° 02' 30.08920W"
IR_11_7886	32° 05' 02.17095N"	110° 02' 32.40727W"
IR_13_7767	32° 04' 57.21932N"	110° 02' 28.92682W"
IR_13_7766	32° 04' 57.21816N"	110° 02' 27.76444W"
IR_11_7884	32° 05' 03.16173N"	110° 02' 33.56833W"
IR_13_7765	32° 04' 58.20780N"	110° 02' 27.76309W"
IR_11_7883	32° 05' 03.16288N"	110° 02' 34.73072W"
IR_13_7764	32° 04' 58.20896N"	110° 02' 28.92547W"
IR_11_7882	32° 05' 03.16402N"	110° 02' 35.89312W"
IR_13_7763	32° 04' 58.21011N"	110° 02' 30.08785W"
IR_11_7881	32° 05' 03.16516N"	110° 02' 37.05552W"
IR_13_7762	32° 04' 58.21127N"	110° 02' 31.25023W"
IR_11_7880	32° 05' 04.15479N"	110° 02' 37.05419W"
IR_01_7761	32° 04' 58.21242N"	110° 02' 32.41261W"
IR_11_7879	32° 05' 04.15365N"	110° 02' 35.89180W"
IR_11_7878	32° 05' 04.15251N"	110° 02' 34.72939W"
IR_11_7877	32° 05' 04.15136N"	110° 02' 33.56699W"
IR_11_7876	32° 05' 04.15021N"	110° 02' 32.40459W"
IR_11_7875	32° 05' 05.13985N"	110° 02' 32.40326W"
IR_11_7874	32° 05' 05.14100N"	110° 02' 33.56566W"
IR_09_7755	32° 04' 58.21926N"	110° 02' 39.38689W"
IR_11_7873	32° 05' 05.14214N"	110° 02' 34.72806W"
IR_12_7754	32° 04' 58.22039N"	110° 02' 40.54927W"
IR_11_7872	32° 05' 05.14328N"	110° 02' 35.89047W"
IR_12_7753	32° 04' 58.22152N"	110° 02' 41.71165W"
IR_12_7752	32° 04' 58.22264N"	110° 02' 42.87403W"
IR_11_7905	32° 05' 05.14442N"	110° 02' 37.05287W"
IR_12_7751	32° 04' 58.22377N"	110° 02' 44.03641W"

Table 4.1-11		
Stage 2 Injection and Recovery Wells		
Well ID	Latitude	Longitude
IR_11_7904	32° 05' 06.13405N"	110° 02' 37.05155W"
IR_12_7809	32° 04' 58.22461N"	110° 02' 44.91477W"
IR_11_7903	32° 05' 06.13291N"	110° 02' 35.88914W"
IR_12_7810	32° 04' 57.23498N"	110° 02' 44.91607W"
IR_11_7902	32° 05' 07.12255N"	110° 02' 35.88782W"
IR_12_7811	32° 04' 59.21423N"	110° 02' 44.90540W"
IR_11_7901	32° 05' 07.12369N"	110° 02' 37.05023W"
IR_11_7812	32° 05' 00.20387N"	110° 02' 44.90410W"
IR_11_7900	32° 05' 04.15932N"	110° 02' 41.70380W"
IR_11_7813	32° 05' 01.19350N"	110° 02' 44.90280W"
IR_11_7899	32° 05' 03.17193N"	110° 02' 44.02990W"
IR_11_7814	32° 05' 02.18313N"	110° 02' 44.90150W"
IR_11_7815	32° 05' 02.18230N"	110° 02' 44.03121W"
IR_11_7816	32° 05' 01.19266N"	110° 02' 44.03251W"
IR_11_7817	32° 05' 00.20303N"	110° 02' 44.03381W"
IR_12_7818	32° 04' 59.21340N"	110° 02' 44.03511W"
IR_12_7819	32° 04' 59.21228N"	110° 02' 42.87273W"
IR_11_7820	32° 05' 00.20191N"	110° 02' 42.87142W"
IR_11_7821	32° 05' 01.19154N"	110° 02' 42.87012W"
IR_11_7822	32° 05' 02.18118N"	110° 02' 42.86881W"
IR_11_7823	32° 05' 03.17081N"	110° 02' 42.86750W"
IR_11_7824	32° 05' 03.16968N"	110° 02' 41.70511W"
IR_11_7825	32° 05' 02.18005N"	110° 02' 41.70642W"
IR_11_7826	32° 05' 01.19042N"	110° 02' 41.70773W"
IR_11_7827	32° 05' 00.20079N"	110° 02' 41.70904W"
IR_12_7828	32° 04' 59.21115N"	110° 02' 41.71034W"
IR_10_7829	32° 04' 59.21002N"	110° 02' 40.54796W"
IR_10_7830	32° 05' 00.19966N"	110° 02' 40.54665W"
IR_10_7831	32° 05' 01.18929N"	110° 02' 40.54533W"
IR_10_7832	32° 05' 02.17892N"	110° 02' 40.54402W"
IR_11_7833	32° 05' 03.16856N"	110° 02' 40.54271W"
IR_11_7834	32° 05' 04.15819N"	110° 02' 40.54140W"
IR_11_7835	32° 05' 05.14782N"	110° 02' 40.54009W"
IR_11_7836	32° 05' 06.13632N"	110° 02' 39.37637W"
IR_11_7837	32° 05' 05.14669N"	110° 02' 39.37768W"
IR_11_7838	32° 05' 04.15706N"	110° 02' 39.37900W"
IR_11_7839	32° 05' 03.16743N"	110° 02' 39.38031W"
IR_10_7840	32° 05' 02.17779N"	110° 02' 39.38163W"
IR_09_7843	32° 04' 59.20889N"	110° 02' 39.38558W"

IR_14_4788	32° 04' 48.75025N"	110° 02' 42.30427W"
IR_14_4789	32° 04' 48.74913N"	110° 02' 41.14192W"
IR_14_4790	32° 04' 48.74800N"	110° 02' 39.97958W"
IR_14_4791	32° 04' 48.74687N"	110° 02' 38.81723W"
IR_14_4792	32° 04' 48.74573N"	110° 02' 37.65488W"
IR_14_4793	32° 04' 48.74460N"	110° 02' 36.49253W"
IR_14_4794	32° 04' 48.74346N"	110° 02' 35.33019W"
IR_14_4795	32° 04' 48.74231N"	110° 02' 34.16784W"
IR_14_4796	32° 04' 48.74117N"	110° 02' 33.00550W"
IR_14_4797	32° 04' 48.74002N"	110° 02' 31.84315W"
IR_14_4798	32° 04' 48.73886N"	110° 02' 30.68080W"
IR_14_4799	32° 04' 48.73771N"	110° 02' 29.51846W"
IR_14_4800	32° 04' 48.73655N"	110° 02' 28.35611W"
IR_14_4801	32° 04' 48.73539N"	110° 02' 27.19376W"
IR_14_4802	32° 04' 48.73423N"	110° 02' 26.03142W"
IR_14_4803	32° 04' 48.73306N"	110° 02' 24.86907W"
IR_14_4804	32° 04' 48.73189N"	110° 02' 23.70672W"
IR_14_4805	32° 04' 48.73072N"	110° 02' 22.54438W"
IR_14_4806	32° 04' 48.72954N"	110° 02' 21.38203W"
IR_14_4807	32° 04' 48.72836N"	110° 02' 20.21968W"
IR_14_4856	32° 04' 49.81020N"	110° 02' 42.30395W"
IR_14_4857	32° 04' 49.80907N"	110° 02' 41.14160W"
IR_14_4858	32° 04' 49.80794N"	110° 02' 39.97925W"
IR_14_4859	32° 04' 49.80681N"	110° 02' 38.81690W"
IR_14_4860	32° 04' 49.80568N"	110° 02' 37.65455W"
IR_14_4861	32° 04' 49.80454N"	110° 02' 36.49220W"
IR_14_4862	32° 04' 49.80340N"	110° 02' 35.32985W"
IR_14_4863	32° 04' 49.80225N"	110° 02' 34.16750W"
IR_14_4864	32° 04' 49.80111N"	110° 02' 33.00515W"
IR_14_4865	32° 04' 49.79996N"	110° 02' 31.84280W"
IR_14_4866	32° 04' 49.79881N"	110° 02' 30.68045W"
IR_14_4867	32° 04' 49.79765N"	110° 02' 29.51810W"
IR_14_4868	32° 04' 49.79649N"	110° 02' 28.35575W"
IR_14_4869	32° 04' 49.79533N"	110° 02' 27.19340W"
IR_14_4870	32° 04' 49.79417N"	110° 02' 26.03105W"
IR_14_4871	32° 04' 49.79300N"	110° 02' 24.86870W"
IR_14_4872	32° 04' 49.79183N"	110° 02' 23.70634W"
IR_14_4873	32° 04' 49.79066N"	110° 02' 22.54400W"
IR_14_4874	32° 04' 49.78948N"	110° 02' 21.38164W"
IR_14_4875	32° 04' 49.78830N"	110° 02' 20.21930W"
IR_14_4876	32° 04' 49.78712N"	110° 02' 19.05694W"
IR_14_4934	32° 04' 50.78844N"	110° 02' 30.67911W"
IR_14_4935	32° 04' 50.78729N"	110° 02' 29.51675W"
IR_14_4936	32° 04' 50.78613N"	110° 02' 28.35440W"
IR_14_4937	32° 04' 50.78497N"	110° 02' 27.19204W"
IR_14_4938	32° 04' 50.78380N"	110° 02' 26.02969W"
IR_14_4939	32° 04' 50.78264N"	110° 02' 24.86734W"
IR_14_4940	32° 04' 50.78147N"	110° 02' 23.70498W"

IR_14_4941	32° 04' 50.78029N"	110° 02' 22.54263W"
IR_14_4942	32° 04' 50.77912N"	110° 02' 21.38027W"
IR_14_4943	32° 04' 50.77794N"	110° 02' 20.21792W"
IR_14_4944	32° 04' 50.77676N"	110° 02' 19.05557W"
IR_14_5002	32° 04' 51.77808N"	110° 02' 30.67776W"
IR_14_5003	32° 04' 51.77692N"	110° 02' 29.51541W"
IR_14_5004	32° 04' 51.77576N"	110° 02' 28.35305W"
IR_14_5005	32° 04' 51.77460N"	110° 02' 27.19069W"
IR_14_5006	32° 04' 51.77344N"	110° 02' 26.02834W"
IR_14_5007	32° 04' 51.77227N"	110° 02' 24.86598W"
IR_14_5008	32° 04' 51.77110N"	110° 02' 23.70362W"
IR_14_5009	32° 04' 51.76993N"	110° 02' 22.54126W"
IR_14_5010	32° 04' 51.76875N"	110° 02' 21.37891W"
IR_14_5011	32° 04' 51.76757N"	110° 02' 20.21655W"
IR_14_5012	32° 04' 51.76639N"	110° 02' 19.05419W"
IR_14_5070	32° 04' 52.76771N"	110° 02' 30.67642W"
IR_14_5071	32° 04' 52.76655N"	110° 02' 29.51406W"
IR_14_5072	32° 04' 52.76539N"	110° 02' 28.35170W"
IR_14_5073	32° 04' 52.76423N"	110° 02' 27.18934W"
IR_14_5074	32° 04' 52.76307N"	110° 02' 26.02698W"
IR_14_5075	32° 04' 52.76190N"	110° 02' 24.86462W"
IR_14_5076	32° 04' 52.76073N"	110° 02' 23.70226W"
IR_14_5077	32° 04' 52.75956N"	110° 02' 22.53990W"
IR_14_5078	32° 04' 52.75838N"	110° 02' 21.37754W"
IR_14_5138	32° 04' 53.75734N"	110° 02' 30.67508W"
IR_14_5139	32° 04' 53.75619N"	110° 02' 29.51271W"
IR_14_5140	32° 04' 53.75503N"	110° 02' 28.35035W"
IR_14_5141	32° 04' 53.75387N"	110° 02' 27.18799W"
IR_14_5142	32° 04' 53.75270N"	110° 02' 26.02562W"
IR_14_5143	32° 04' 53.75154N"	110° 02' 24.86326W"
IR_14_5144	32° 04' 53.75037N"	110° 02' 23.70089W"
IR_14_5145	32° 04' 53.74919N"	110° 02' 22.53853W"
IR_14_5207	32° 04' 54.74582N"	110° 02' 29.51137W"
IR_14_5208	32° 04' 54.74466N"	110° 02' 28.34900W"
IR_14_5209	32° 04' 54.74350N"	110° 02' 27.18663W"
IR_14_5210	32° 04' 54.74233N"	110° 02' 26.02427W"
IR_15_5211	32° 04' 54.74117N"	110° 02' 24.86190W"
IR_15_5212	32° 04' 54.74000N"	110° 02' 23.69953W"
IR_15_5213	32° 04' 54.73882N"	110° 02' 22.53717W"
IR_15_5214	32° 04' 54.73765N"	110° 02' 21.37480W"
IR_15_5215	32° 04' 54.73647N"	110° 02' 20.21243W"
IR_15_5277	32° 04' 55.73313N"	110° 02' 27.18528W"
IR_15_5278	32° 04' 55.73197N"	110° 02' 26.02291W"
IR_15_5279	32° 04' 55.73080N"	110° 02' 24.86054W"
IR_15_5280	32° 04' 55.72963N"	110° 02' 23.69817W"
IR_15_5281	32° 04' 55.72846N"	110° 02' 22.53580W"
IR_15_5282	32° 04' 55.72728N"	110° 02' 21.37343W"
IR_15_5283	32° 04' 55.72610N"	110° 02' 20.21106W"
IR_15_5345	32° 04' 56.72277N"	110° 02' 27.18393W"

IR_15_5346	32° 04' 56.72160N"	110° 02' 26.02156W"
IR_15_5347	32° 04' 56.72044N"	110° 02' 24.85918W"
IR_15_5348	32° 04' 56.71927N"	110° 02' 23.69681W"
IR_15_5349	32° 04' 56.71809N"	110° 02' 22.53443W"
IR_15_5350	32° 04' 56.71692N"	110° 02' 21.37206W"
IR_15_5351	32° 04' 56.71574N"	110° 02' 20.20968W"
IR_15_5413	32° 04' 57.71240N"	110° 02' 27.18258W"
IR_15_5414	32° 04' 57.71123N"	110° 02' 26.02020W"
IR_15_5415	32° 04' 57.71007N"	110° 02' 24.85782W"
IR_15_5481	32° 04' 58.70203N"	110° 02' 27.18123W"
IR_15_5482	32° 04' 58.70087N"	110° 02' 26.01885W"
IR_15_5483	32° 04' 58.69970N"	110° 02' 24.85646W"
IR_15_5484	32° 04' 58.69853N"	110° 02' 23.69408W"
IR_15_5485	32° 04' 58.69736N"	110° 02' 22.53170W"
IR_15_5486	32° 04' 58.69618N"	110° 02' 21.36932W"
IR_15_5549	32° 04' 59.69167N"	110° 02' 27.17987W"
IR_15_5550	32° 04' 59.69050N"	110° 02' 26.01749W"
IR_15_5551	32° 04' 59.68934N"	110° 02' 24.85510W"
IR_15_5552	32° 04' 59.68817N"	110° 02' 23.69272W"
IR_15_5553	32° 04' 59.68699N"	110° 02' 22.53033W"
IR_15_5554	32° 04' 59.68582N"	110° 02' 21.36795W"
IR_15_5617	32° 05' 00.68130N"	110° 02' 27.17852W"
IR_15_5618	32° 05' 00.68013N"	110° 02' 26.01613W"
IR_15_5619	32° 05' 00.67897N"	110° 02' 24.85374W"
IR_15_5620	32° 05' 00.67780N"	110° 02' 23.69135W"
IR_15_5654	32° 05' 01.70555N"	110° 03' 03.21133W"
IR_15_5655	32° 05' 01.70448N"	110° 03' 02.04894W"
IR_15_5656	32° 05' 01.70341N"	110° 03' 00.88655W"
IR_15_5657	32° 05' 01.70233N"	110° 02' 59.72415W"
IR_15_5658	32° 05' 01.70125N"	110° 02' 58.56176W"
IR_15_5659	32° 05' 01.70016N"	110° 02' 57.39937W"
IR_15_5660	32° 05' 01.69908N"	110° 02' 56.23697W"
IR_15_5681	32° 05' 01.67556N"	110° 02' 31.82674W"
IR_15_5682	32° 05' 01.67441N"	110° 02' 30.66435W"
IR_15_5683	32° 05' 01.67325N"	110° 02' 29.50195W"
IR_15_5684	32° 05' 01.67209N"	110° 02' 28.33956W"
IR_15_5685	32° 05' 01.67093N"	110° 02' 27.17717W"
IR_15_5686	32° 05' 01.66977N"	110° 02' 26.01478W"
IR_15_5687	32° 05' 01.66860N"	110° 02' 24.85239W"
IR_15_5721	32° 05' 02.69626N"	110° 03' 04.37248W"
IR_15_5722	32° 05' 02.69519N"	110° 03' 03.21009W"
IR_15_5723	32° 05' 02.69411N"	110° 03' 02.04769W"
IR_15_5724	32° 05' 02.69304N"	110° 03' 00.88530W"
IR_15_5725	32° 05' 02.69196N"	110° 02' 59.72290W"
IR_15_5726	32° 05' 02.69088N"	110° 02' 58.56050W"
IR_15_5727	32° 05' 02.68979N"	110° 02' 57.39811W"
IR_15_5728	32° 05' 02.68871N"	110° 02' 56.23571W"
IR_15_5729	32° 05' 02.68745N"	110° 02' 54.89169W"
IR_15_5749	32° 05' 02.66519N"	110° 02' 31.82540W"

IR_15_5750	32° 05' 02.66404N"	110° 02' 30.66300W"
IR_15_5751	32° 05' 02.66288N"	110° 02' 29.50061W"
IR_15_5752	32° 05' 02.66172N"	110° 02' 28.33821W"
IR_15_5753	32° 05' 02.66056N"	110° 02' 27.17582W"
IR_15_5754	32° 05' 02.65940N"	110° 02' 26.01342W"
IR_15_5755	32° 05' 02.65823N"	110° 02' 24.85103W"
IR_15_5788	32° 05' 03.68696N"	110° 03' 05.53364W"
IR_15_5789	32° 05' 03.68589N"	110° 03' 04.37124W"
IR_15_5790	32° 05' 03.68482N"	110° 03' 03.20884W"
IR_15_5791	32° 05' 03.68375N"	110° 03' 02.04645W"
IR_15_5792	32° 05' 03.68267N"	110° 03' 00.88404W"
IR_15_5793	32° 05' 03.68159N"	110° 02' 59.72164W"
IR_15_5794	32° 05' 03.68051N"	110° 02' 58.55925W"
IR_15_5795	32° 05' 03.67943N"	110° 02' 57.39684W"
IR_15_5796	32° 05' 03.67834N"	110° 02' 56.23444W"
IR_15_5797	32° 05' 03.67725N"	110° 02' 55.07205W"
IR_16_5798	32° 05' 03.67616N"	110° 02' 53.90965W"
IR_16_5799	32° 05' 03.67506N"	110° 02' 52.74725W"
IR_15_5817	32° 05' 03.65482N"	110° 02' 31.82406W"
IR_15_5818	32° 05' 03.65367N"	110° 02' 30.66166W"
IR_15_5819	32° 05' 03.65252N"	110° 02' 29.49926W"
IR_15_5820	32° 05' 03.65136N"	110° 02' 28.33686W"
IR_15_5821	32° 05' 03.65020N"	110° 02' 27.17446W"
IR_15_5858	32° 05' 04.67445N"	110° 03' 03.20760W"
IR_15_5859	32° 05' 04.67338N"	110° 03' 02.04520W"
IR_15_5860	32° 05' 04.67231N"	110° 03' 00.88279W"
IR_15_5861	32° 05' 04.67123N"	110° 02' 59.72039W"
IR_15_5862	32° 05' 04.67015N"	110° 02' 58.55799W"
IR_15_5863	32° 05' 04.66906N"	110° 02' 57.39558W"
IR_15_5864	32° 05' 04.66798N"	110° 02' 56.23318W"
IR_15_5865	32° 05' 04.66689N"	110° 02' 55.07078W"
IR_16_5866	32° 05' 04.66579N"	110° 02' 53.90837W"
IR_16_5867	32° 05' 04.66470N"	110° 02' 52.74597W"
IR_16_5868	32° 05' 04.66342N"	110° 02' 51.40194W"
IR_15_5885	32° 05' 04.64446N"	110° 02' 31.82272W"
IR_15_5886	32° 05' 04.64331N"	110° 02' 30.66032W"
IR_15_5887	32° 05' 04.64215N"	110° 02' 29.49792W"
IR_15_5888	32° 05' 04.64099N"	110° 02' 28.33552W"
IR_15_5925	32° 05' 05.66516N"	110° 03' 04.36876W"
IR_15_5926	32° 05' 05.66409N"	110° 03' 03.20635W"
IR_15_5927	32° 05' 05.66301N"	110° 03' 02.04395W"
IR_15_5928	32° 05' 05.66194N"	110° 03' 00.88154W"
IR_15_5929	32° 05' 05.66086N"	110° 02' 59.71913W"
IR_15_5930	32° 05' 05.65978N"	110° 02' 58.55673W"
IR_15_5931	32° 05' 05.65869N"	110° 02' 57.39432W"
IR_15_5932	32° 05' 05.65761N"	110° 02' 56.23191W"
IR_15_5933	32° 05' 05.65652N"	110° 02' 55.06951W"
IR_16_5934	32° 05' 05.65542N"	110° 02' 53.90710W"
IR_16_5935	32° 05' 05.65433N"	110° 02' 52.74470W"

IR_16_5936	32° 05' 05.65323N"	110° 02' 51.58229W"
IR_16_5937	32° 05' 05.65213N"	110° 02' 50.41988W"
IR_16_5938	32° 05' 05.65102N"	110° 02' 49.25748W"
IR_15_5950	32° 05' 05.63753N"	110° 02' 35.30860W"
IR_15_5951	32° 05' 05.63639N"	110° 02' 34.14620W"
IR_15_5952	32° 05' 05.63524N"	110° 02' 32.98379W"
IR_15_5953	32° 05' 05.63409N"	110° 02' 31.82139W"
IR_15_5954	32° 05' 05.63294N"	110° 02' 30.65898W"
IR_15_5955	32° 05' 05.63178N"	110° 02' 29.49657W"
IR_15_5993	32° 05' 06.65479N"	110° 03' 04.36752W"
IR_15_5994	32° 05' 06.65372N"	110° 03' 03.20511W"
IR_15_5995	32° 05' 06.65265N"	110° 03' 02.04270W"
IR_15_5996	32° 05' 06.65157N"	110° 03' 00.88029W"
IR_15_5997	32° 05' 06.65049N"	110° 02' 59.71788W"
IR_15_5998	32° 05' 06.64941N"	110° 02' 58.55547W"
IR_15_5999	32° 05' 06.64833N"	110° 02' 57.39306W"
IR_15_6000	32° 05' 06.64724N"	110° 02' 56.23065W"
IR_15_6001	32° 05' 06.64615N"	110° 02' 55.06824W"
IR_16_6002	32° 05' 06.64506N"	110° 02' 53.90583W"
IR_16_6003	32° 05' 06.64396N"	110° 02' 52.74342W"
IR_16_6004	32° 05' 06.64286N"	110° 02' 51.58101W"
IR_16_6005	32° 05' 06.64176N"	110° 02' 50.41860W"
IR_16_6006	32° 05' 06.64065N"	110° 02' 49.25619W"
IR_16_6007	32° 05' 06.63936N"	110° 02' 47.89702W"
IR_15_6018	32° 05' 06.62716N"	110° 02' 35.30727W"
IR_15_6019	32° 05' 06.62602N"	110° 02' 34.14487W"
IR_15_6020	32° 05' 06.62487N"	110° 02' 32.98245W"
IR_15_6021	32° 05' 06.62372N"	110° 02' 31.82005W"
IR_15_6022	32° 05' 06.62257N"	110° 02' 30.65764W"
IR_15_6061	32° 05' 07.56894N"	110° 03' 04.02582W"
IR_15_6062	32° 05' 07.64335N"	110° 03' 03.20386W"
IR_15_6063	32° 05' 07.64228N"	110° 03' 02.04145W"
IR_15_6064	32° 05' 07.64120N"	110° 03' 00.87904W"
IR_15_6065	32° 05' 07.64012N"	110° 02' 59.71662W"
IR_15_6066	32° 05' 07.63904N"	110° 02' 58.55421W"
IR_15_6067	32° 05' 07.63796N"	110° 02' 57.39180W"
IR_15_6068	32° 05' 07.63687N"	110° 02' 56.22938W"
IR_15_6069	32° 05' 07.63578N"	110° 02' 55.06697W"
IR_16_6070	32° 05' 07.63469N"	110° 02' 53.90456W"
IR_16_6071	32° 05' 07.63359N"	110° 02' 52.74214W"
IR_16_6072	32° 05' 07.63249N"	110° 02' 51.57973W"
IR_16_6073	32° 05' 07.63139N"	110° 02' 50.41732W"
IR_16_6074	32° 05' 07.63029N"	110° 02' 49.25490W"
IR_16_6075	32° 05' 07.62918N"	110° 02' 48.09249W"
IR_16_6076	32° 05' 07.62807N"	110° 02' 46.93008W"
IR_16_6077	32° 05' 07.62695N"	110° 02' 45.76766W"
IR_15_6086	32° 05' 07.61679N"	110° 02' 35.30594W"
IR_15_6087	32° 05' 07.61565N"	110° 02' 34.14353W"
IR_15_6088	32° 05' 07.61450N"	110° 02' 32.98112W"

IR_15_6089	32° 05' 07.61335N"	110° 02' 31.81871W"
IR_15_6130	32° 05' 08.63299N"	110° 03' 03.20262W"
IR_15_6131	32° 05' 08.63191N"	110° 03' 02.04020W"
IR_15_6132	32° 05' 08.63084N"	110° 03' 00.87779W"
IR_15_6133	32° 05' 08.62976N"	110° 02' 59.71537W"
IR_15_6134	32° 05' 08.62868N"	110° 02' 58.55295W"
IR_15_6135	32° 05' 08.62759N"	110° 02' 57.39053W"
IR_15_6136	32° 05' 08.62651N"	110° 02' 56.22812W"
IR_15_6137	32° 05' 08.62542N"	110° 02' 55.06570W"
IR_16_6138	32° 05' 08.62432N"	110° 02' 53.90328W"
IR_16_6139	32° 05' 08.62323N"	110° 02' 52.74087W"
IR_16_6140	32° 05' 08.62213N"	110° 02' 51.57845W"
IR_16_6141	32° 05' 08.62102N"	110° 02' 50.41603W"
IR_16_6142	32° 05' 08.61992N"	110° 02' 49.25362W"
IR_16_6143	32° 05' 08.61881N"	110° 02' 48.09120W"
IR_16_6144	32° 05' 08.61770N"	110° 02' 46.92879W"
IR_16_6145	32° 05' 08.61659N"	110° 02' 45.76637W"
IR_16_6146	32° 05' 08.65842N"	110° 02' 44.59885W"
IR_15_6155	32° 05' 08.60528N"	110° 02' 34.14220W"
IR_15_6156	32° 05' 08.60414N"	110° 02' 32.97978W"
IR_15_6157	32° 05' 08.60299N"	110° 02' 31.81737W"
IR_15_6198	32° 05' 09.62262N"	110° 03' 03.20137W"
IR_15_6199	32° 05' 09.62155N"	110° 03' 02.03896W"
IR_15_6200	32° 05' 09.62047N"	110° 03' 00.87653W"
IR_15_6201	32° 05' 09.61939N"	110° 02' 59.71411W"
IR_15_6202	32° 05' 09.61831N"	110° 02' 58.55169W"
IR_15_6203	32° 05' 09.61723N"	110° 02' 57.38927W"
IR_15_6204	32° 05' 09.61614N"	110° 02' 56.22685W"
IR_15_6205	32° 05' 09.61505N"	110° 02' 55.06443W"
IR_16_6206	32° 05' 09.61396N"	110° 02' 53.90201W"
IR_16_6207	32° 05' 09.61286N"	110° 02' 52.73959W"
IR_16_6208	32° 05' 09.61176N"	110° 02' 51.57717W"
IR_16_6209	32° 05' 09.61066N"	110° 02' 50.41475W"
IR_16_6210	32° 05' 09.60955N"	110° 02' 49.25233W"
IR_16_6211	32° 05' 09.60845N"	110° 02' 48.08991W"
IR_16_6212	32° 05' 09.60733N"	110° 02' 46.92749W"
IR_16_6213	32° 05' 09.60622N"	110° 02' 45.76507W"
IR_16_6214	32° 05' 09.60510N"	110° 02' 44.60265W"
IR_16_6215	32° 05' 09.60382N"	110° 02' 43.27374W"
IR_15_6224	32° 05' 09.59377N"	110° 02' 32.97845W"
IR_15_6269	32° 05' 10.60902N"	110° 02' 59.71286W"
IR_15_6270	32° 05' 10.60794N"	110° 02' 58.55044W"
IR_15_6271	32° 05' 10.60686N"	110° 02' 57.38801W"
IR_15_6272	32° 05' 10.60577N"	110° 02' 56.22558W"
IR_16_6273	32° 05' 10.60468N"	110° 02' 55.06316W"
IR_16_6274	32° 05' 10.60359N"	110° 02' 53.90074W"
IR_16_6275	32° 05' 10.60249N"	110° 02' 52.73832W"
IR_16_6276	32° 05' 10.60139N"	110° 02' 51.57589W"
IR_16_6277	32° 05' 10.60029N"	110° 02' 50.41347W"

IR_16_6278	32° 05' 10.59918N"	110° 02' 49.25105W"
IR_16_6279	32° 05' 10.59808N"	110° 02' 48.08862W"
IR_16_6280	32° 05' 10.59697N"	110° 02' 46.92620W"
IR_16_6281	32° 05' 10.59585N"	110° 02' 45.76377W"
IR_16_6282	32° 05' 10.59473N"	110° 02' 44.60135W"
IR_16_6283	32° 05' 10.59361N"	110° 02' 43.43893W"
IR_17_6284	32° 05' 10.59249N"	110° 02' 42.27650W"
IR_17_6285	32° 05' 10.59137N"	110° 02' 41.11408W"
IR_15_6338	32° 05' 11.59758N"	110° 02' 58.54918W"
IR_15_6339	32° 05' 11.59649N"	110° 02' 57.38675W"
IR_15_6340	32° 05' 11.59540N"	110° 02' 56.22432W"
IR_16_6341	32° 05' 11.59431N"	110° 02' 55.06189W"
IR_16_6342	32° 05' 11.59322N"	110° 02' 53.89947W"
IR_16_6343	32° 05' 11.59212N"	110° 02' 52.73704W"
IR_16_6344	32° 05' 11.59103N"	110° 02' 51.57461W"
IR_16_6345	32° 05' 11.58992N"	110° 02' 50.41218W"
IR_16_6346	32° 05' 11.58882N"	110° 02' 49.24976W"
IR_16_6347	32° 05' 11.58771N"	110° 02' 48.08733W"
IR_16_6348	32° 05' 11.58660N"	110° 02' 46.92491W"
IR_16_6349	32° 05' 11.58549N"	110° 02' 45.76248W"
IR_16_6350	32° 05' 11.58437N"	110° 02' 44.60005W"
IR_17_6351	32° 05' 11.58325N"	110° 02' 43.43762W"
IR_17_6352	32° 05' 11.58213N"	110° 02' 42.27519W"
IR_17_6353	32° 05' 11.58100N"	110° 02' 41.11277W"
IR_17_6354	32° 05' 11.57987N"	110° 02' 39.95034W"
IR_15_6407	32° 05' 12.58612N"	110° 02' 57.38549W"
IR_15_6408	32° 05' 12.58504N"	110° 02' 56.22305W"
IR_16_6409	32° 05' 12.58394N"	110° 02' 55.06063W"
IR_16_6410	32° 05' 12.58285N"	110° 02' 53.89819W"
IR_16_6411	32° 05' 12.58176N"	110° 02' 52.73576W"
IR_16_6412	32° 05' 12.58066N"	110° 02' 51.57333W"
IR_16_6413	32° 05' 12.57955N"	110° 02' 50.41090W"
IR_16_6414	32° 05' 12.57845N"	110° 02' 49.24847W"
IR_16_6415	32° 05' 12.57734N"	110° 02' 48.08604W"
IR_16_6416	32° 05' 12.57623N"	110° 02' 46.92361W"
IR_16_6417	32° 05' 12.57512N"	110° 02' 45.76118W"
IR_16_6418	32° 05' 12.57400N"	110° 02' 44.59875W"
IR_17_6419	32° 05' 12.57288N"	110° 02' 43.43632W"
IR_17_6420	32° 05' 12.57176N"	110° 02' 42.27389W"
IR_17_6421	32° 05' 12.57063N"	110° 02' 41.11146W"
IR_17_6422	32° 05' 12.56950N"	110° 02' 39.94903W"
IR_17_6423	32° 05' 12.56837N"	110° 02' 38.78660W"
IR_16_6477	32° 05' 13.57358N"	110° 02' 55.05936W"
IR_16_6478	32° 05' 13.57249N"	110° 02' 53.89692W"
IR_16_6479	32° 05' 13.57139N"	110° 02' 52.73449W"
IR_16_6480	32° 05' 13.57029N"	110° 02' 51.57205W"
IR_16_6481	32° 05' 13.56919N"	110° 02' 50.40962W"
IR_16_6482	32° 05' 13.56808N"	110° 02' 49.24719W"
IR_16_6483	32° 05' 13.56697N"	110° 02' 48.08475W"

IR_16_6484	32° 05' 13.56586N"	110° 02' 46.92232W"
IR_16_6485	32° 05' 13.56475N"	110° 02' 45.75988W"
IR_16_6486	32° 05' 13.56363N"	110° 02' 44.59745W"
IR_17_6487	32° 05' 13.56251N"	110° 02' 43.43502W"
IR_17_6488	32° 05' 13.56139N"	110° 02' 42.27258W"
IR_17_6489	32° 05' 13.56026N"	110° 02' 41.11015W"
IR_17_6490	32° 05' 13.55913N"	110° 02' 39.94771W"
IR_17_6491	32° 05' 13.55800N"	110° 02' 38.78528W"
IR_17_6492	32° 05' 13.55687N"	110° 02' 37.62285W"
IR_16_6546	32° 05' 14.56212N"	110° 02' 53.89565W"
IR_16_6547	32° 05' 14.56102N"	110° 02' 52.73321W"
IR_16_6548	32° 05' 14.55992N"	110° 02' 51.57077W"
IR_16_6549	32° 05' 14.55882N"	110° 02' 50.40833W"
IR_16_6550	32° 05' 14.55772N"	110° 02' 49.24590W"
IR_16_6551	32° 05' 14.55661N"	110° 02' 48.08346W"
IR_16_6552	32° 05' 14.55550N"	110° 02' 46.92102W"
IR_16_6553	32° 05' 14.55438N"	110° 02' 45.75859W"
IR_16_6554	32° 05' 14.55327N"	110° 02' 44.59615W"
IR_17_6555	32° 05' 14.55215N"	110° 02' 43.43371W"
IR_17_6556	32° 05' 14.55102N"	110° 02' 42.27127W"
IR_17_6557	32° 05' 14.54990N"	110° 02' 41.10884W"
IR_17_6558	32° 05' 14.54877N"	110° 02' 39.94640W"
IR_17_6559	32° 05' 14.54764N"	110° 02' 38.78396W"
IR_17_6560	32° 05' 14.54650N"	110° 02' 37.62152W"
IR_16_6612	32° 05' 15.55393N"	110° 02' 56.21926W"
IR_16_6613	32° 05' 15.55284N"	110° 02' 55.05682W"
IR_16_6614	32° 05' 15.55175N"	110° 02' 53.89438W"
IR_16_6615	32° 05' 15.55065N"	110° 02' 52.73194W"
IR_16_6616	32° 05' 15.54955N"	110° 02' 51.56949W"
IR_16_6617	32° 05' 15.54845N"	110° 02' 50.40705W"
IR_16_6618	32° 05' 15.54735N"	110° 02' 49.24461W"
IR_16_6619	32° 05' 15.54624N"	110° 02' 48.08217W"
IR_16_6620	32° 05' 15.54513N"	110° 02' 46.91973W"
IR_16_6621	32° 05' 15.54401N"	110° 02' 45.75729W"
IR_16_6622	32° 05' 15.54290N"	110° 02' 44.59485W"
IR_17_6623	32° 05' 15.54178N"	110° 02' 43.43241W"
IR_17_6624	32° 05' 15.54065N"	110° 02' 42.26997W"
IR_17_6625	32° 05' 15.53953N"	110° 02' 41.10753W"
IR_17_6626	32° 05' 15.53840N"	110° 02' 39.94508W"
IR_17_6627	32° 05' 15.53727N"	110° 02' 38.78264W"
IR_17_6628	32° 05' 15.53613N"	110° 02' 37.62020W"
IR_16_6680	32° 05' 16.54357N"	110° 02' 56.21799W"
IR_16_6681	32° 05' 16.54248N"	110° 02' 55.05555W"
IR_16_6682	32° 05' 16.54138N"	110° 02' 53.89310W"
IR_16_6683	32° 05' 16.54029N"	110° 02' 52.73066W"
IR_16_6684	32° 05' 16.53919N"	110° 02' 51.56821W"
IR_16_6685	32° 05' 16.53809N"	110° 02' 50.40577W"
IR_16_6686	32° 05' 16.53698N"	110° 02' 49.24333W"
IR_16_6687	32° 05' 16.53587N"	110° 02' 48.08088W"

IR_16_6688	32° 05' 16.53476N"	110° 02' 46.91844W"
IR_16_6689	32° 05' 16.53365N"	110° 02' 45.75599W"
IR_16_6690	32° 05' 16.53253N"	110° 02' 44.59355W"
IR_17_6691	32° 05' 16.53141N"	110° 02' 43.43110W"
IR_17_6692	32° 05' 16.53029N"	110° 02' 42.26866W"
IR_17_6693	32° 05' 16.52916N"	110° 02' 41.10622W"
IR_17_6694	32° 05' 16.52803N"	110° 02' 39.94377W"
IR_17_6695	32° 05' 16.52690N"	110° 02' 38.78132W"
IR_17_6696	32° 05' 16.52577N"	110° 02' 37.61888W"
IR_16_6749	32° 05' 17.53211N"	110° 02' 55.05428W"
IR_16_6750	32° 05' 17.53101N"	110° 02' 53.89183W"
IR_16_6751	32° 05' 17.52992N"	110° 02' 52.72938W"
IR_16_6752	32° 05' 17.52882N"	110° 02' 51.56693W"
IR_16_6753	32° 05' 17.52772N"	110° 02' 50.40448W"
IR_16_6754	32° 05' 17.52661N"	110° 02' 49.24204W"
IR_16_6755	32° 05' 17.52550N"	110° 02' 48.07959W"
IR_16_6756	32° 05' 17.52439N"	110° 02' 46.91714W"
IR_16_6757	32° 05' 17.52328N"	110° 02' 45.75469W"
IR_16_6758	32° 05' 17.52216N"	110° 02' 44.59225W"
IR_17_6759	32° 05' 17.52104N"	110° 02' 43.42980W"
IR_17_6760	32° 05' 17.51992N"	110° 02' 42.26735W"
IR_17_6761	32° 05' 17.51879N"	110° 02' 41.10490W"
IR_17_6762	32° 05' 17.51766N"	110° 02' 39.94246W"
IR_17_6763	32° 05' 17.51653N"	110° 02' 38.78001W"
IR_17_6764	32° 05' 17.51540N"	110° 02' 37.61756W"
IR_16_6817	32° 05' 18.52174N"	110° 02' 55.05301W"
IR_16_6818	32° 05' 18.52065N"	110° 02' 53.89056W"
IR_16_6819	32° 05' 18.51955N"	110° 02' 52.72811W"
IR_16_6820	32° 05' 18.51845N"	110° 02' 51.56565W"
IR_16_6821	32° 05' 18.51735N"	110° 02' 50.40320W"
IR_16_6822	32° 05' 18.51624N"	110° 02' 49.24075W"
IR_16_6823	32° 05' 18.51514N"	110° 02' 48.07830W"
IR_16_6824	32° 05' 18.51403N"	110° 02' 46.91585W"
IR_16_6825	32° 05' 18.51291N"	110° 02' 45.75340W"
IR_16_6826	32° 05' 18.51179N"	110° 02' 44.59094W"
IR_17_6827	32° 05' 18.51067N"	110° 02' 43.42850W"
IR_17_6828	32° 05' 18.50955N"	110° 02' 42.26604W"
IR_17_6829	32° 05' 18.50843N"	110° 02' 41.10359W"
IR_17_6830	32° 05' 18.50730N"	110° 02' 39.94114W"
IR_17_6831	32° 05' 18.50616N"	110° 02' 38.77869W"
IR_16_6886	32° 05' 19.51028N"	110° 02' 53.88928W"
IR_16_6887	32° 05' 19.50919N"	110° 02' 52.72683W"
IR_16_6888	32° 05' 19.50809N"	110° 02' 51.56438W"
IR_16_6889	32° 05' 19.50698N"	110° 02' 50.40192W"
IR_16_6890	32° 05' 19.50588N"	110° 02' 49.23947W"
IR_16_6891	32° 05' 19.50477N"	110° 02' 48.07701W"
IR_16_6892	32° 05' 19.50366N"	110° 02' 46.91456W"
IR_16_6893	32° 05' 19.50254N"	110° 02' 45.75210W"
IR_16_6894	32° 05' 19.50143N"	110° 02' 44.58964W"

IR_17_6895	32° 05' 19.50031N"	110° 02' 43.42719W"
IR_17_6896	32° 05' 19.49918N"	110° 02' 42.26474W"
IR_16_6959	32° 05' 20.49440N"	110° 02' 48.07572W"
IR_16_6960	32° 05' 20.49329N"	110° 02' 46.91326W"
IR_16_6961	32° 05' 20.49218N"	110° 02' 45.75080W"
IR_17_6962	32° 05' 20.49106N"	110° 02' 44.58834W"
IR_17_6963	32° 05' 20.48994N"	110° 02' 43.42589W"
IR_16_7028	32° 05' 21.44399N"	110° 02' 46.62443W"
IR_16_7029	32° 05' 21.48181N"	110° 02' 45.74951W"
IR_14_7621	32° 04' 48.14556N"	110° 02' 42.88429W"
IR_14_7622	32° 04' 49.31594N"	110° 02' 42.88578W"
IR_12_7623	32° 04' 50.30558N"	110° 02' 42.88447W"
IR_12_7626	32° 04' 50.30445N"	110° 02' 41.72212W"
IR_14_7627	32° 04' 49.31482N"	110° 02' 41.72343W"
IR_14_7628	32° 04' 48.16023N"	110° 02' 41.71451W"
IR_14_7629	32° 04' 48.15911N"	110° 02' 40.55217W"
IR_14_7630	32° 04' 49.31369N"	110° 02' 40.56108W"
IR_07_7631	32° 04' 50.30333N"	110° 02' 40.55977W"
IR_07_7634	32° 04' 50.30220N"	110° 02' 39.39742W"
IR_14_7635	32° 04' 49.31256N"	110° 02' 39.39874W"
IR_14_7636	32° 04' 48.15798N"	110° 02' 39.38983W"
IR_14_7637	32° 04' 48.15684N"	110° 02' 38.22748W"
IR_14_7638	32° 04' 49.31143N"	110° 02' 38.23639W"
IR_07_7639	32° 04' 50.30106N"	110° 02' 38.23507W"
IR_06_7642	32° 04' 50.29993N"	110° 02' 37.07271W"
IR_14_7643	32° 04' 49.31029N"	110° 02' 37.07403W"
IR_14_7644	32° 04' 48.15571N"	110° 02' 37.06513W"
IR_14_7645	32° 04' 48.15457N"	110° 02' 35.90279W"
IR_14_7646	32° 04' 49.30915N"	110° 02' 35.91169W"
IR_06_7647	32° 04' 50.29879N"	110° 02' 35.91036W"
IR_14_7653	32° 04' 48.15343N"	110° 02' 34.74044W"
IR_14_7654	32° 04' 49.30801N"	110° 02' 34.74934W"
IR_05_7655	32° 04' 50.29765N"	110° 02' 34.74801W"
IR_05_7658	32° 04' 50.29650N"	110° 02' 33.58566W"
IR_14_7659	32° 04' 49.30687N"	110° 02' 33.58699W"
IR_14_7660	32° 04' 48.15228N"	110° 02' 33.57810W"
IR_14_7663	32° 04' 48.15113N"	110° 02' 32.41576W"
IR_14_7664	32° 04' 49.30572N"	110° 02' 32.42464W"
IR_05_7665	32° 04' 50.29535N"	110° 02' 32.42331W"
IR_05_7667	32° 04' 51.28383N"	110° 02' 31.25961W"
IR_05_7668	32° 04' 50.29420N"	110° 02' 31.26095W"
IR_14_7669	32° 04' 49.30457N"	110° 02' 31.26229W"
IR_14_7670	32° 04' 48.14998N"	110° 02' 31.25341W"
IR_14_7673	32° 04' 48.14883N"	110° 02' 30.09107W"
IR_14_7674	32° 04' 49.30341N"	110° 02' 30.09995W"
IR_14_7675	32° 04' 50.29305N"	110° 02' 30.09860W"
IR_14_7676	32° 04' 51.28268N"	110° 02' 30.09726W"
IR_14_7677	32° 04' 51.28152N"	110° 02' 28.93490W"
IR_14_7678	32° 04' 50.29189N"	110° 02' 28.93625W"

IR_14_7679	32° 04' 49.30226N"	110° 02' 28.93759W"
IR_14_7680	32° 04' 48.14767N"	110° 02' 28.92872W"
IR_14_7683	32° 04' 48.14652N"	110° 02' 27.76638W"
IR_14_7684	32° 04' 49.30110N"	110° 02' 27.77525W"
IR_14_7685	32° 04' 50.29073N"	110° 02' 27.77390W"
IR_14_7686	32° 04' 51.28036N"	110° 02' 27.77255W"
IR_14_7687	32° 04' 51.27920N"	110° 02' 26.61019W"
IR_14_7688	32° 04' 50.28957N"	110° 02' 26.61154W"
IR_14_7689	32° 04' 49.29993N"	110° 02' 26.61290W"
IR_14_7690	32° 04' 48.14535N"	110° 02' 26.60403W"
IR_14_7693	32° 04' 48.14419N"	110° 02' 25.44169W"
IR_14_7694	32° 04' 49.29877N"	110° 02' 25.45055W"
IR_14_7695	32° 04' 50.28840N"	110° 02' 25.44919W"
IR_14_7696	32° 04' 50.28724N"	110° 02' 24.28684W"
IR_14_7697	32° 04' 49.29760N"	110° 02' 24.28820W"
IR_14_7698	32° 04' 48.14302N"	110° 02' 24.27934W"
IR_14_7701	32° 04' 48.14185N"	110° 02' 23.11700W"
IR_14_7702	32° 04' 49.29643N"	110° 02' 23.12585W"
IR_14_7703	32° 04' 50.28606N"	110° 02' 23.12449W"
IR_05_7721	32° 04' 52.27347N"	110° 02' 31.25827W"
IR_14_7722	32° 04' 52.27231N"	110° 02' 30.09591W"
IR_14_7723	32° 04' 52.27116N"	110° 02' 28.93355W"
IR_14_7724	32° 04' 52.27000N"	110° 02' 27.77120W"
IR_14_7725	32° 04' 53.25963N"	110° 02' 27.76985W"
IR_14_7726	32° 04' 53.26079N"	110° 02' 28.93221W"
IR_14_7727	32° 04' 53.26195N"	110° 02' 30.09457W"
IR_02_7728	32° 04' 53.26310N"	110° 02' 31.25693W"
IR_02_7747	32° 04' 54.25273N"	110° 02' 31.25559W"
IR_13_7748	32° 04' 54.25158N"	110° 02' 30.09323W"
IR_14_7749	32° 04' 54.25042N"	110° 02' 28.93086W"
IR_14_7750	32° 04' 54.24926N"	110° 02' 27.76850W"
IR_13_7798	32° 04' 55.24121N"	110° 02' 30.09188W"
IR_13_7797	32° 04' 55.24006N"	110° 02' 28.92951W"
IR_13_7796	32° 04' 55.23890N"	110° 02' 27.76715W"
IR_13_7795	32° 04' 56.22853N"	110° 02' 27.76580W"
IR_13_7861	32° 04' 59.19743N"	110° 02' 27.76174W"
IR_13_7862	32° 05' 00.18706N"	110° 02' 27.76039W"
IR_03_7867	32° 05' 01.18132N"	110° 02' 32.40860W"
IR_13_7868	32° 05' 01.18016N"	110° 02' 31.24621W"
IR_13_7869	32° 05' 01.17901N"	110° 02' 30.08382W"
IR_13_7870	32° 05' 01.17785N"	110° 02' 28.92143W"
IR_13_7871	32° 05' 01.17669N"	110° 02' 27.75904W"
IR_11_7886	32° 05' 02.17095N"	110° 02' 32.40727W"
IR_15_7885	32° 05' 03.15073N"	110° 02' 32.34596W"
IR_13_7766	32° 04' 57.21816N"	110° 02' 27.76444W"
IR_13_7765	32° 04' 58.20780N"	110° 02' 27.76309W"
IR_11_7876	32° 05' 04.15021N"	110° 02' 32.40459W"
IR_11_7875	32° 05' 05.13985N"	110° 02' 32.40326W"
IR_11_7874	32° 05' 05.14100N"	110° 02' 33.56566W"

IR_11_7873	32° 05' 05.14214N"	110° 02' 34.72806W"
IR_11_7872	32° 05' 05.14328N"	110° 02' 35.89047W"
IR_11_7903	32° 05' 06.13291N"	110° 02' 35.88914W"
IR_11_7902	32° 05' 07.12255N"	110° 02' 35.88782W"
IR_15_7992	32° 05' 02.16633N"	110° 02' 27.75769W"
IR_15_7993	32° 05' 02.16749N"	110° 02' 28.92008W"
IR_15_7994	32° 05' 02.16865N"	110° 02' 30.08248W"
IR_15_7995	32° 05' 02.16980N"	110° 02' 31.24487W"
IR_15_7996	32° 05' 03.15943N"	110° 02' 31.24353W"
IR_15_7997	32° 05' 03.15828N"	110° 02' 30.08114W"
IR_15_7998	32° 05' 03.15712N"	110° 02' 28.91874W"
IR_15_7999	32° 05' 03.15596N"	110° 02' 27.75634W"
IR_15_8000	32° 05' 03.15480N"	110° 02' 26.59394W"
IR_15_8001	32° 05' 03.15363N"	110° 02' 25.43154W"
IR_15_8002	32° 05' 03.15247N"	110° 02' 24.26915W"
IR_15_8003	32° 05' 04.14443N"	110° 02' 26.59259W"
IR_15_8004	32° 05' 04.14559N"	110° 02' 27.75499W"
IR_15_8005	32° 05' 04.14675N"	110° 02' 28.91739W"
IR_15_8006	32° 05' 04.14791N"	110° 02' 30.07979W"
IR_15_8007	32° 05' 04.14906N"	110° 02' 31.24219W"
IR_15_8008	32° 05' 05.13870N"	110° 02' 31.24085W"
IR_15_8009	32° 05' 05.13754N"	110° 02' 30.07845W"
IR_14_7909	32° 04' 48.14067N"	110° 02' 21.95465W"
IR_15_8010	32° 05' 05.13639N"	110° 02' 28.91604W"
IR_14_7910	32° 04' 48.13950N"	110° 02' 20.79231W"
IR_14_7911	32° 04' 48.13831N"	110° 02' 19.62996W"
IR_15_8011	32° 05' 05.13523N"	110° 02' 27.75364W"
IR_15_8012	32° 05' 06.12602N"	110° 02' 28.91469W"
IR_14_7912	32° 04' 49.29525N"	110° 02' 21.96350W"
IR_15_8013	32° 05' 06.12717N"	110° 02' 30.07710W"
IR_14_7913	32° 04' 49.29408N"	110° 02' 20.80116W"
IR_15_8014	32° 05' 06.12833N"	110° 02' 31.23951W"
IR_14_7914	32° 04' 49.29290N"	110° 02' 19.63881W"
IR_15_8015	32° 05' 06.12948N"	110° 02' 32.40192W"
IR_14_7915	32° 04' 49.29171N"	110° 02' 18.47646W"
IR_15_8016	32° 05' 06.13063N"	110° 02' 33.56433W"
IR_14_7916	32° 04' 50.28489N"	110° 02' 21.96213W"
IR_15_8017	32° 05' 06.13177N"	110° 02' 34.72673W"
IR_14_7917	32° 04' 50.28371N"	110° 02' 20.79978W"
IR_15_8018	32° 05' 07.12141N"	110° 02' 34.72540W"
IR_14_7918	32° 04' 50.28253N"	110° 02' 19.63743W"
IR_15_8019	32° 05' 07.12026N"	110° 02' 33.56299W"
IR_14_7919	32° 04' 50.28135N"	110° 02' 18.47508W"
IR_15_8020	32° 05' 07.11911N"	110° 02' 32.40058W"
IR_14_7920	32° 04' 51.27804N"	110° 02' 25.44783W"
IR_15_8021	32° 05' 07.11796N"	110° 02' 31.23817W"
IR_14_7945	32° 04' 51.27687N"	110° 02' 24.28548W"
IR_15_8022	32° 05' 08.10760N"	110° 02' 31.23683W"
IR_14_7921	32° 04' 51.27570N"	110° 02' 23.12312W"

IR_15_8033	32° 05' 03.19054N"	110° 03' 03.79066W"
IR_15_8023	32° 05' 08.10875N"	110° 02' 32.39925W"
IR_14_7922	32° 04' 51.27452N"	110° 02' 21.96077W"
IR_15_8034	32° 05' 03.19161N"	110° 03' 04.95306W"
IR_15_8024	32° 05' 08.10990N"	110° 02' 33.56166W"
IR_14_7923	32° 04' 51.27334N"	110° 02' 20.79841W"
IR_15_8035	32° 05' 03.19267N"	110° 03' 06.11546W"
IR_15_8025	32° 05' 08.11104N"	110° 02' 34.72407W"
IR_14_7924	32° 04' 51.27216N"	110° 02' 19.63606W"
IR_15_8036	32° 05' 04.18230N"	110° 03' 06.11423W"
IR_15_8026	32° 05' 08.11218N"	110° 02' 35.88649W"
IR_14_7925	32° 04' 51.27098N"	110° 02' 18.47370W"
IR_15_8037	32° 05' 04.18124N"	110° 03' 04.95182W"
IR_15_8027	32° 05' 09.10067N"	110° 02' 34.72274W"
IR_14_7944	32° 04' 52.26884N"	110° 02' 26.60884W"
IR_15_8038	32° 05' 04.18017N"	110° 03' 03.78942W"
IR_15_8028	32° 05' 09.09953N"	110° 02' 33.56033W"
IR_14_7943	32° 04' 52.26767N"	110° 02' 25.44648W"
IR_15_8039	32° 05' 04.17910N"	110° 03' 02.62702W"
IR_15_8029	32° 05' 09.09838N"	110° 02' 32.39791W"
IR_14_7942	32° 04' 52.26650N"	110° 02' 24.28412W"
IR_15_8040	32° 05' 04.17803N"	110° 03' 01.46462W"
IR_15_8030	32° 05' 09.09723N"	110° 02' 31.23549W"
IR_14_7941	32° 04' 52.26533N"	110° 02' 23.12176W"
IR_15_8031	32° 05' 10.08801N"	110° 02' 32.39657W"
IR_14_7940	32° 04' 52.26416N"	110° 02' 21.95940W"
IR_15_8032	32° 05' 10.08916N"	110° 02' 33.55899W"
IR_14_7939	32° 04' 52.26298N"	110° 02' 20.79704W"
IR_14_7938	32° 04' 53.25847N"	110° 02' 26.60748W"
IR_14_7937	32° 04' 53.25730N"	110° 02' 25.44512W"
IR_14_7936	32° 04' 53.25614N"	110° 02' 24.28276W"
IR_14_7935	32° 04' 53.25496N"	110° 02' 23.12039W"
IR_14_7934	32° 04' 53.25379N"	110° 02' 21.95803W"
IR_14_7933	32° 04' 53.25261N"	110° 02' 20.79567W"
IR_14_7932	32° 04' 54.24810N"	110° 02' 26.60613W"
IR_14_7931	32° 04' 54.24694N"	110° 02' 25.44376W"
IR_14_7930	32° 04' 54.24577N"	110° 02' 24.28140W"
IR_14_7929	32° 04' 54.24460N"	110° 02' 23.11903W"
IR_14_7928	32° 04' 54.24342N"	110° 02' 21.95666W"
IR_15_7927	32° 04' 54.24224N"	110° 02' 20.79430W"
IR_15_7926	32° 04' 54.24106N"	110° 02' 19.63193W"
IR_14_7946	32° 04' 55.23774N"	110° 02' 26.60477W"
IR_14_7947	32° 04' 55.23657N"	110° 02' 25.44240W"
IR_15_7948	32° 04' 55.23540N"	110° 02' 24.28004W"
IR_15_7949	32° 04' 55.23423N"	110° 02' 23.11767W"
IR_15_7950	32° 04' 55.23306N"	110° 02' 21.95530W"
IR_15_7951	32° 04' 55.23188N"	110° 02' 20.79293W"
IR_15_7952	32° 04' 55.23070N"	110° 02' 19.63056W"
IR_15_7953	32° 04' 56.22033N"	110° 02' 19.62918W"

IR_15_7954	32° 04' 56.22151N"	110° 02' 20.79156W"
IR_15_7955	32° 04' 56.22269N"	110° 02' 21.95393W"
IR_15_7956	32° 04' 56.22386N"	110° 02' 23.11630W"
IR_15_7957	32° 04' 56.20449N"	110° 02' 24.26816W"
IR_15_7958	32° 04' 56.22620N"	110° 02' 25.44105W"
IR_15_7959	32° 04' 56.22737N"	110° 02' 26.60342W"
IR_15_7960	32° 04' 57.21700N"	110° 02' 26.60207W"
IR_15_7961	32° 04' 57.21584N"	110° 02' 25.43969W"
IR_15_7962	32° 04' 57.21467N"	110° 02' 24.27732W"
IR_15_7963	32° 04' 57.21350N"	110° 02' 23.11494W"
IR_15_7964	32° 04' 57.21232N"	110° 02' 21.95256W"
IR_15_7965	32° 04' 57.21114N"	110° 02' 20.79019W"
IR_15_7966	32° 04' 57.20996N"	110° 02' 19.62781W"
IR_15_7967	32° 04' 58.20664N"	110° 02' 26.60071W"
IR_15_7968	32° 04' 58.20547N"	110° 02' 25.43833W"
IR_15_7969	32° 04' 58.20430N"	110° 02' 24.27595W"
IR_15_7970	32° 04' 58.20313N"	110° 02' 23.11357W"
IR_15_7971	32° 04' 58.20195N"	110° 02' 21.95119W"
IR_15_7972	32° 04' 58.20078N"	110° 02' 20.78881W"
IR_15_7973	32° 04' 59.19041N"	110° 02' 20.78744W"
IR_15_7974	32° 04' 59.19159N"	110° 02' 21.94982W"
IR_15_7975	32° 04' 59.19276N"	110° 02' 23.11221W"
IR_15_7976	32° 04' 59.19393N"	110° 02' 24.27459W"
IR_15_7977	32° 04' 59.19510N"	110° 02' 25.43697W"
IR_15_7978	32° 04' 59.18605N"	110° 02' 26.60901W"
IR_15_7979	32° 05' 00.18590N"	110° 02' 26.59800W"
IR_15_7980	32° 05' 00.18473N"	110° 02' 25.43562W"
IR_15_7981	32° 05' 00.18357N"	110° 02' 24.27323W"
IR_15_7982	32° 05' 00.18239N"	110° 02' 23.11084W"
IR_15_7983	32° 05' 00.18122N"	110° 02' 21.94846W"
IR_15_7984	32° 05' 00.18004N"	110° 02' 20.78607W"
IR_15_7985	32° 05' 01.17203N"	110° 02' 23.10948W"
IR_15_7986	32° 05' 01.17320N"	110° 02' 24.27187W"
IR_15_7987	32° 05' 01.17437N"	110° 02' 25.43426W"
IR_15_7988	32° 05' 01.17553N"	110° 02' 26.59665W"
IR_15_7989	32° 05' 02.16283N"	110° 02' 24.27051W"
IR_15_7990	32° 05' 02.16400N"	110° 02' 25.43290W"
IR_15_7991	32° 05' 02.16517N"	110° 02' 26.59530W"
IR_15_8041	32° 05' 01.21127N"	110° 03' 03.79315W"
IR_15_8042	32° 05' 01.21020N"	110° 03' 02.63076W"
IR_15_8043	32° 05' 01.20913N"	110° 03' 01.46837W"
IR_15_8044	32° 05' 01.20805N"	110° 03' 00.30598W"
IR_15_8045	32° 05' 01.20697N"	110° 02' 59.14359W"
IR_15_8046	32° 05' 01.20589N"	110° 02' 57.98119W"
IR_15_8047	32° 05' 01.20480N"	110° 02' 56.81881W"
IR_15_8048	32° 05' 01.20371N"	110° 02' 55.65641W"
IR_15_8049	32° 05' 02.20091N"	110° 03' 03.79191W"
IR_15_8050	32° 05' 02.20197N"	110° 03' 04.95430W"
IR_15_8051	32° 05' 02.19983N"	110° 03' 02.62951W"

IR_15_8052	32° 05' 02.19876N"	110° 03' 01.46712W"
IR_15_8053	32° 05' 02.19768N"	110° 03' 00.30473W"
IR_15_8054	32° 05' 02.19660N"	110° 02' 59.14233W"
IR_15_8055	32° 05' 02.19552N"	110° 02' 57.97993W"
IR_15_8056	32° 05' 02.19444N"	110° 02' 56.81754W"
IR_15_8057	32° 05' 02.19335N"	110° 02' 55.65515W"
IR_15_8058	32° 05' 02.19198N"	110° 02' 54.20518W"
IR_16_8060	32° 05' 03.17970N"	110° 02' 52.16669W"
IR_16_8061	32° 05' 03.18079N"	110° 02' 53.32908W"
IR_16_8062	32° 05' 03.18160N"	110° 02' 54.18878W"
IR_15_8063	32° 05' 03.18298N"	110° 02' 55.65388W"
IR_15_8064	32° 05' 03.18407N"	110° 02' 56.81628W"
IR_15_8065	32° 05' 03.18516N"	110° 02' 57.97867W"
IR_15_8066	32° 05' 03.18624N"	110° 02' 59.14107W"
IR_15_8067	32° 05' 03.18732N"	110° 03' 00.30347W"
IR_15_8068	32° 05' 03.18839N"	110° 03' 01.46587W"
IR_15_8069	32° 05' 03.18947N"	110° 03' 02.62827W"
IR_15_8070	32° 05' 04.17695N"	110° 03' 00.30222W"
IR_15_8071	32° 05' 04.17587N"	110° 02' 59.13982W"
IR_15_8072	32° 05' 04.17479N"	110° 02' 57.97741W"
IR_15_8073	32° 05' 04.17370N"	110° 02' 56.81501W"
IR_15_8074	32° 05' 04.17261N"	110° 02' 55.65261W"
IR_15_8075	32° 05' 04.17152N"	110° 02' 54.49021W"
IR_16_8076	32° 05' 04.17043N"	110° 02' 53.32781W"
IR_16_8077	32° 05' 04.16933N"	110° 02' 52.16541W"
IR_16_8078	32° 05' 04.16794N"	110° 02' 50.70030W"
IR_16_8080	32° 05' 05.15565N"	110° 02' 48.67692W"
IR_16_8081	32° 05' 05.15676N"	110° 02' 49.83932W"
IR_16_8082	32° 05' 05.15759N"	110° 02' 50.71416W"
IR_16_8083	32° 05' 05.15896N"	110° 02' 52.16413W"
IR_16_8084	32° 05' 05.16006N"	110° 02' 53.32654W"
IR_15_8085	32° 05' 05.16115N"	110° 02' 54.48894W"
IR_15_8086	32° 05' 05.16225N"	110° 02' 55.65134W"
IR_15_8087	32° 05' 05.16333N"	110° 02' 56.81375W"
IR_15_8088	32° 05' 05.16442N"	110° 02' 57.97615W"
IR_15_8089	32° 05' 05.16550N"	110° 02' 59.13856W"
IR_15_8090	32° 05' 05.16658N"	110° 03' 00.30097W"
IR_15_8091	32° 05' 05.16766N"	110° 03' 01.46337W"
IR_15_8092	32° 05' 05.16873N"	110° 03' 02.62577W"
IR_15_8093	32° 05' 05.16981N"	110° 03' 03.78818W"
IR_15_8094	32° 05' 05.17087N"	110° 03' 04.95058W"
IR_15_8095	32° 05' 06.16050N"	110° 03' 04.94934W"
IR_15_8096	32° 05' 06.15944N"	110° 03' 03.78693W"
IR_15_8097	32° 05' 06.15837N"	110° 03' 02.62453W"
IR_15_8098	32° 05' 06.15729N"	110° 03' 01.46212W"
IR_15_8099	32° 05' 06.15621N"	110° 03' 00.29971W"
IR_15_8100	32° 05' 06.15513N"	110° 02' 59.13730W"
IR_15_8101	32° 05' 06.15405N"	110° 02' 57.97489W"
IR_15_8102	32° 05' 06.15297N"	110° 02' 56.81249W"

IR_15_8103	32° 05' 06.15188N"	110° 02' 55.65008W"
IR_15_8104	32° 05' 06.15079N"	110° 02' 54.48767W"
IR_16_8105	32° 05' 06.14969N"	110° 02' 53.32526W"
IR_16_8106	32° 05' 06.14859N"	110° 02' 52.16285W"
IR_16_8107	32° 05' 06.14749N"	110° 02' 51.00045W"
IR_16_8108	32° 05' 06.14639N"	110° 02' 49.83804W"
IR_16_8109	32° 05' 06.14528N"	110° 02' 48.67563W"
IR_16_8110	32° 05' 06.14390N"	110° 02' 47.22565W"
IR_16_8112	32° 05' 07.13158N"	110° 02' 45.18711W"
IR_16_8113	32° 05' 07.13269N"	110° 02' 46.34952W"
IR_16_8114	32° 05' 07.13353N"	110° 02' 47.22436W"
IR_16_8115	32° 05' 07.13492N"	110° 02' 48.67434W"
IR_16_8116	32° 05' 07.13602N"	110° 02' 49.83675W"
IR_16_8117	32° 05' 07.13713N"	110° 02' 50.99917W"
IR_16_8118	32° 05' 07.13823N"	110° 02' 52.16157W"
IR_16_8119	32° 05' 07.13932N"	110° 02' 53.32399W"
IR_15_8120	32° 05' 07.14042N"	110° 02' 54.48640W"
IR_15_8121	32° 05' 07.14151N"	110° 02' 55.64881W"
IR_15_8122	32° 05' 07.14260N"	110° 02' 56.81122W"
IR_15_8123	32° 05' 07.14369N"	110° 02' 57.97363W"
IR_15_8124	32° 05' 07.14477N"	110° 02' 59.13605W"
IR_15_8125	32° 05' 07.14585N"	110° 03' 00.29846W"
IR_15_8126	32° 05' 07.14693N"	110° 03' 01.46087W"
IR_15_8127	32° 05' 07.14800N"	110° 03' 02.62328W"
IR_15_8128	32° 05' 07.14907N"	110° 03' 03.78569W"
IR_15_8129	32° 05' 06.98029N"	110° 03' 04.74651W"
IR_15_8130	32° 05' 07.72921N"	110° 03' 04.45233W"
IR_15_8131	32° 05' 08.13870N"	110° 03' 03.78445W"
IR_15_8132	32° 05' 08.13763N"	110° 03' 02.62203W"
IR_15_8133	32° 05' 08.13656N"	110° 03' 01.45962W"
IR_15_8134	32° 05' 08.13548N"	110° 03' 00.29721W"
IR_15_8135	32° 05' 08.13440N"	110° 02' 59.13479W"
IR_15_8136	32° 05' 08.13332N"	110° 02' 57.97237W"
IR_15_8137	32° 05' 08.13223N"	110° 02' 56.80996W"
IR_15_8138	32° 05' 08.13115N"	110° 02' 55.64754W"
IR_15_8139	32° 05' 08.13005N"	110° 02' 54.48513W"
IR_16_8140	32° 05' 08.12896N"	110° 02' 53.32271W"
IR_16_8141	32° 05' 08.12786N"	110° 02' 52.16030W"
IR_16_8142	32° 05' 08.12676N"	110° 02' 50.99788W"
IR_16_8143	32° 05' 08.12566N"	110° 02' 49.83547W"
IR_16_8144	32° 05' 08.12455N"	110° 02' 48.67305W"
IR_16_8145	32° 05' 08.12344N"	110° 02' 47.51064W"
IR_16_8146	32° 05' 08.12233N"	110° 02' 46.34822W"
IR_16_8147	32° 05' 08.12121N"	110° 02' 45.18581W"
IR_16_8148	32° 05' 08.07139N"	110° 02' 43.73632W"
IR_16_8151	32° 05' 09.10830N"	110° 02' 42.54182W"
IR_16_8152	32° 05' 09.10946N"	110° 02' 43.74965W"
IR_16_8153	32° 05' 09.11084N"	110° 02' 45.18451W"
IR_16_8154	32° 05' 09.11196N"	110° 02' 46.34693W"

IR_16_8155	32° 05' 09.11307N"	110° 02' 47.50935W"
IR_16_8156	32° 05' 09.11418N"	110° 02' 48.67177W"
IR_16_8157	32° 05' 09.11529N"	110° 02' 49.83418W"
IR_16_8158	32° 05' 09.11639N"	110° 02' 50.99660W"
IR_16_8159	32° 05' 09.11749N"	110° 02' 52.15902W"
IR_16_8160	32° 05' 09.11859N"	110° 02' 53.32144W"
IR_15_8161	32° 05' 09.11968N"	110° 02' 54.48386W"
IR_15_8162	32° 05' 09.12078N"	110° 02' 55.64628W"
IR_15_8163	32° 05' 09.12187N"	110° 02' 56.80870W"
IR_15_8164	32° 05' 09.12295N"	110° 02' 57.97111W"
IR_15_8165	32° 05' 09.12403N"	110° 02' 59.13353W"
IR_15_8166	32° 05' 09.12511N"	110° 03' 00.29595W"
IR_15_8167	32° 05' 09.12619N"	110° 03' 01.45837W"
IR_15_8168	32° 05' 09.12726N"	110° 03' 02.62079W"
IR_15_8169	32° 05' 09.12834N"	110° 03' 03.78320W"
IR_15_8170	32° 05' 10.11763N"	110° 03' 03.41618W"
IR_15_8171	32° 05' 10.11690N"	110° 03' 02.61954W"
IR_15_8172	32° 05' 10.11582N"	110° 03' 01.45712W"
IR_15_8173	32° 05' 10.11475N"	110° 03' 00.29470W"
IR_15_8174	32° 05' 10.11367N"	110° 02' 59.13227W"
IR_15_8175	32° 05' 10.11259N"	110° 02' 57.96985W"
IR_15_8176	32° 05' 10.11150N"	110° 02' 56.80743W"
IR_15_8177	32° 05' 10.11041N"	110° 02' 55.64501W"
IR_15_8178	32° 05' 10.10932N"	110° 02' 54.48259W"
IR_16_8179	32° 05' 10.10822N"	110° 02' 53.32016W"
IR_16_8180	32° 05' 10.10713N"	110° 02' 52.15774W"
IR_16_8181	32° 05' 10.10603N"	110° 02' 50.99532W"
IR_16_8182	32° 05' 10.10492N"	110° 02' 49.83290W"
IR_16_8183	32° 05' 10.10382N"	110° 02' 48.67048W"
IR_16_8184	32° 05' 10.10271N"	110° 02' 47.50806W"
IR_16_8185	32° 05' 10.10159N"	110° 02' 46.34563W"
IR_16_8186	32° 05' 10.10048N"	110° 02' 45.18321W"
IR_16_8187	32° 05' 10.09936N"	110° 02' 44.02079W"
IR_17_8188	32° 05' 10.09795N"	110° 02' 42.55565W"
IR_17_8189	32° 05' 10.09711N"	110° 02' 41.69595W"
IR_17_8190	32° 05' 10.09599N"	110° 02' 40.53352W"
IR_17_8191	32° 05' 11.08449N"	110° 02' 39.36979W"
IR_17_8192	32° 05' 11.08562N"	110° 02' 40.53221W"
IR_17_8193	32° 05' 11.08675N"	110° 02' 41.69464W"
IR_16_8194	32° 05' 11.08787N"	110° 02' 42.85706W"
IR_16_8195	32° 05' 11.08899N"	110° 02' 44.01949W"
IR_16_8196	32° 05' 11.09011N"	110° 02' 45.18191W"
IR_16_8197	32° 05' 11.09123N"	110° 02' 46.34434W"
IR_16_8198	32° 05' 11.09234N"	110° 02' 47.50676W"
IR_16_8199	32° 05' 11.09345N"	110° 02' 48.66919W"
IR_16_8200	32° 05' 11.09456N"	110° 02' 49.83161W"
IR_16_8201	32° 05' 11.09566N"	110° 02' 50.99404W"
IR_16_8202	32° 05' 11.09676N"	110° 02' 52.15646W"
IR_16_8203	32° 05' 11.09786N"	110° 02' 53.31889W"

IR_16_8204	32° 05' 11.09895N"	110° 02' 54.48132W"
IR_15_8205	32° 05' 11.10004N"	110° 02' 55.64374W"
IR_15_8206	32° 05' 11.10113N"	110° 02' 56.80617W"
IR_15_8207	32° 05' 11.10222N"	110° 02' 57.96859W"
IR_15_8208	32° 05' 11.10330N"	110° 02' 59.13102W"
IR_15_8209	32° 05' 12.09293N"	110° 02' 59.12976W"
IR_15_8210	32° 05' 12.09185N"	110° 02' 57.96733W"
IR_15_8211	32° 05' 12.09076N"	110° 02' 56.80490W"
IR_15_8212	32° 05' 12.08968N"	110° 02' 55.64247W"
IR_16_8213	32° 05' 12.08858N"	110° 02' 54.48005W"
IR_16_8214	32° 05' 12.08749N"	110° 02' 53.31762W"
IR_16_8215	32° 05' 12.08639N"	110° 02' 52.15519W"
IR_16_8216	32° 05' 12.08529N"	110° 02' 50.99276W"
IR_16_8217	32° 05' 12.08419N"	110° 02' 49.83033W"
IR_16_8218	32° 05' 12.08308N"	110° 02' 48.66790W"
IR_16_8219	32° 05' 12.08197N"	110° 02' 47.50547W"
IR_16_8220	32° 05' 12.08086N"	110° 02' 46.34304W"
IR_16_8221	32° 05' 12.07974N"	110° 02' 45.18061W"
IR_16_8222	32° 05' 12.07862N"	110° 02' 44.01818W"
IR_17_8223	32° 05' 12.07750N"	110° 02' 42.85575W"
IR_17_8224	32° 05' 12.07638N"	110° 02' 41.69333W"
IR_17_8225	32° 05' 12.07525N"	110° 02' 40.53090W"
IR_17_8226	32° 05' 12.07412N"	110° 02' 39.36847W"
IR_17_8227	32° 05' 12.07299N"	110° 02' 38.20604W"
IR_17_8228	32° 05' 13.06148N"	110° 02' 37.04229W"
IR_17_8229	32° 05' 13.06262N"	110° 02' 38.20472W"
IR_17_8230	32° 05' 13.06375N"	110° 02' 39.36716W"
IR_17_8231	32° 05' 13.06488N"	110° 02' 40.52958W"
IR_17_8232	32° 05' 13.06601N"	110° 02' 41.69202W"
IR_17_8233	32° 05' 13.06714N"	110° 02' 42.85445W"
IR_16_8234	32° 05' 13.06826N"	110° 02' 44.01688W"
IR_16_8235	32° 05' 13.06938N"	110° 02' 45.17932W"
IR_16_8236	32° 05' 13.07049N"	110° 02' 46.34175W"
IR_16_8237	32° 05' 13.07160N"	110° 02' 47.50418W"
IR_16_8238	32° 05' 13.07271N"	110° 02' 48.66661W"
IR_16_8239	32° 05' 13.07382N"	110° 02' 49.82904W"
IR_16_8240	32° 05' 13.07492N"	110° 02' 50.99148W"
IR_16_8241	32° 05' 13.07602N"	110° 02' 52.15391W"
IR_16_8242	32° 05' 13.07712N"	110° 02' 53.31634W"
IR_16_8243	32° 05' 13.07822N"	110° 02' 54.47878W"
IR_15_8244	32° 05' 13.07931N"	110° 02' 55.64121W"
IR_16_8245	32° 05' 14.06894N"	110° 02' 55.63994W"
IR_16_8246	32° 05' 14.06785N"	110° 02' 54.47750W"
IR_16_8247	32° 05' 14.06675N"	110° 02' 53.31507W"
IR_16_8248	32° 05' 14.06566N"	110° 02' 52.15263W"
IR_16_8249	32° 05' 14.06455N"	110° 02' 50.99020W"
IR_16_8250	32° 05' 14.06345N"	110° 02' 49.82776W"
IR_16_8251	32° 05' 14.06234N"	110° 02' 48.66533W"
IR_16_8252	32° 05' 14.06123N"	110° 02' 47.50289W"

IR_16_8253	32° 05' 14.06012N"	110° 02' 46.34045W"
IR_16_8254	32° 05' 14.05901N"	110° 02' 45.17802W"
IR_16_8255	32° 05' 14.05789N"	110° 02' 44.01558W"
IR_17_8256	32° 05' 14.05677N"	110° 02' 42.85314W"
IR_17_8257	32° 05' 14.05564N"	110° 02' 41.69071W"
IR_17_8258	32° 05' 14.05451N"	110° 02' 40.52827W"
IR_17_8259	32° 05' 14.05338N"	110° 02' 39.36584W"
IR_17_8260	32° 05' 14.05225N"	110° 02' 38.20340W"
IR_17_8261	32° 05' 14.05111N"	110° 02' 37.04096W"
IR_17_8262	32° 05' 15.04075N"	110° 02' 37.03964W"
IR_17_8263	32° 05' 15.04188N"	110° 02' 38.20208W"
IR_17_8264	32° 05' 15.04302N"	110° 02' 39.36452W"
IR_17_8265	32° 05' 15.04415N"	110° 02' 40.52696W"
IR_17_8266	32° 05' 15.04528N"	110° 02' 41.68940W"
IR_17_8267	32° 05' 15.04640N"	110° 02' 42.85184W"
IR_16_8268	32° 05' 15.04752N"	110° 02' 44.01428W"
IR_16_8269	32° 05' 15.04864N"	110° 02' 45.17672W"
IR_16_8270	32° 05' 15.04976N"	110° 02' 46.33916W"
IR_16_8271	32° 05' 15.05087N"	110° 02' 47.50160W"
IR_16_8272	32° 05' 15.05198N"	110° 02' 48.66404W"
IR_16_8273	32° 05' 15.05308N"	110° 02' 49.82647W"
IR_16_8274	32° 05' 15.05419N"	110° 02' 50.98892W"
IR_16_8275	32° 05' 15.05529N"	110° 02' 52.15135W"
IR_16_8276	32° 05' 15.05639N"	110° 02' 53.31379W"
IR_16_8277	32° 05' 15.05748N"	110° 02' 54.47623W"
IR_16_8278	32° 05' 15.05857N"	110° 02' 55.63867W"
IR_16_8279	32° 05' 15.05966N"	110° 02' 56.80111W"
IR_16_8280	32° 05' 16.04930N"	110° 02' 56.79985W"
IR_16_8281	32° 05' 16.04821N"	110° 02' 55.63740W"
IR_16_8282	32° 05' 16.04712N"	110° 02' 54.47496W"
IR_16_8283	32° 05' 16.04602N"	110° 02' 53.31252W"
IR_16_8284	32° 05' 16.04492N"	110° 02' 52.15007W"
IR_16_8285	32° 05' 16.04382N"	110° 02' 50.98763W"
IR_16_8286	32° 05' 16.04272N"	110° 02' 49.82519W"
IR_16_8287	32° 05' 16.04161N"	110° 02' 48.66275W"
IR_16_8288	32° 05' 16.04050N"	110° 02' 47.50030W"
IR_16_8289	32° 05' 16.03939N"	110° 02' 46.33786W"
IR_16_8290	32° 05' 16.03827N"	110° 02' 45.17542W"
IR_16_8291	32° 05' 16.03716N"	110° 02' 44.01298W"
IR_17_8292	32° 05' 16.03603N"	110° 02' 42.85053W"
IR_17_8293	32° 05' 16.03491N"	110° 02' 41.68809W"
IR_17_8294	32° 05' 16.03378N"	110° 02' 40.52565W"
IR_17_8295	32° 05' 16.03265N"	110° 02' 39.36321W"
IR_17_8296	32° 05' 16.03152N"	110° 02' 38.20076W"
IR_17_8297	32° 05' 16.03038N"	110° 02' 37.03832W"
IR_17_8298	32° 05' 17.02001N"	110° 02' 37.03700W"
IR_17_8299	32° 05' 17.02115N"	110° 02' 38.19944W"
IR_17_8300	32° 05' 17.02228N"	110° 02' 39.36189W"
IR_17_8301	32° 05' 17.02341N"	110° 02' 40.52433W"

IR_17_8302	32° 05' 17.02454N"	110° 02' 41.68678W"
IR_17_8303	32° 05' 17.02566N"	110° 02' 42.84923W"
IR_16_8304	32° 05' 17.02679N"	110° 02' 44.01167W"
IR_16_8305	32° 05' 17.02790N"	110° 02' 45.17412W"
IR_16_8306	32° 05' 17.02902N"	110° 02' 46.33657W"
IR_16_8307	32° 05' 17.03013N"	110° 02' 47.49901W"
IR_16_8308	32° 05' 17.03124N"	110° 02' 48.66146W"
IR_16_8309	32° 05' 17.03235N"	110° 02' 49.82390W"
IR_16_8310	32° 05' 17.03345N"	110° 02' 50.98635W"
IR_16_8311	32° 05' 17.03455N"	110° 02' 52.14880W"
IR_16_8312	32° 05' 17.03565N"	110° 02' 53.31124W"
IR_16_8313	32° 05' 17.03675N"	110° 02' 54.47369W"
IR_16_8314	32° 05' 17.03784N"	110° 02' 55.63614W"
IR_16_8315	32° 05' 18.02747N"	110° 02' 55.63487W"
IR_16_8316	32° 05' 18.02638N"	110° 02' 54.47242W"
IR_16_8317	32° 05' 18.02528N"	110° 02' 53.30997W"
IR_16_8318	32° 05' 18.02419N"	110° 02' 52.14752W"
IR_16_8319	32° 05' 18.02309N"	110° 02' 50.98507W"
IR_16_8320	32° 05' 18.02198N"	110° 02' 49.82262W"
IR_16_8321	32° 05' 18.02088N"	110° 02' 48.66017W"
IR_16_8322	32° 05' 18.01977N"	110° 02' 47.49772W"
IR_16_8323	32° 05' 18.01865N"	110° 02' 46.33527W"
IR_16_8324	32° 05' 18.01754N"	110° 02' 45.17282W"
IR_16_8325	32° 05' 18.01642N"	110° 02' 44.01037W"
IR_17_8326	32° 05' 18.01530N"	110° 02' 42.84792W"
IR_17_8327	32° 05' 18.01417N"	110° 02' 41.68547W"
IR_17_8328	32° 05' 18.01305N"	110° 02' 40.52302W"
IR_17_8329	32° 05' 18.01192N"	110° 02' 39.36057W"
IR_17_8330	32° 05' 18.01078N"	110° 02' 38.19812W"
IR_17_8331	32° 05' 19.00041N"	110° 02' 38.19680W"
IR_17_8332	32° 05' 19.00155N"	110° 02' 39.35926W"
IR_17_8333	32° 05' 19.00268N"	110° 02' 40.52171W"
IR_17_8334	32° 05' 19.00380N"	110° 02' 41.68416W"
IR_17_8335	32° 05' 19.00493N"	110° 02' 42.84661W"
IR_16_8336	32° 05' 19.00605N"	110° 02' 44.00907W"
IR_16_8337	32° 05' 19.00717N"	110° 02' 45.17152W"
IR_16_8338	32° 05' 19.00828N"	110° 02' 46.33397W"
IR_16_8339	32° 05' 19.00940N"	110° 02' 47.49643W"
IR_16_8340	32° 05' 19.01051N"	110° 02' 48.65888W"
IR_16_8341	32° 05' 19.01161N"	110° 02' 49.82133W"
IR_16_8342	32° 05' 19.01272N"	110° 02' 50.98379W"
IR_16_8343	32° 05' 19.01382N"	110° 02' 52.14624W"
IR_16_8344	32° 05' 19.01492N"	110° 02' 53.30870W"
IR_16_8345	32° 05' 19.01601N"	110° 02' 54.47115W"
IR_16_8346	32° 05' 20.00564N"	110° 02' 54.46988W"
IR_16_8347	32° 05' 20.00455N"	110° 02' 53.30742W"
IR_16_8348	32° 05' 19.79043N"	110° 02' 52.16946W"
IR_16_8349	32° 05' 19.44826N"	110° 02' 50.98323W"
IR_16_8350	32° 05' 20.00125N"	110° 02' 49.82005W"

IR_16_8351	32° 05' 20.00014N"	110° 02' 48.65760W"
IR_16_8352	32° 05' 19.99903N"	110° 02' 47.49514W"
IR_16_8353	32° 05' 19.99792N"	110° 02' 46.33268W"
IR_16_8354	32° 05' 19.99680N"	110° 02' 45.17022W"
IR_16_8355	32° 05' 19.99568N"	110° 02' 44.00777W"
IR_17_8356	32° 05' 19.99456N"	110° 02' 42.84531W"
IR_17_8357	32° 05' 20.98420N"	110° 02' 42.84400W"
IR_17_8358	32° 05' 20.98532N"	110° 02' 44.00646W"
IR_16_8359	32° 05' 20.98644N"	110° 02' 45.16893W"
IR_16_8360	32° 05' 20.98755N"	110° 02' 46.33138W"
IR_16_8361	32° 05' 20.98866N"	110° 02' 47.49385W"
IR_16_8362	32° 05' 20.66869N"	110° 02' 48.65673W"
IR_16_8363	32° 05' 21.42414N"	110° 02' 47.16046W"
IR_16_8364	32° 05' 21.97718N"	110° 02' 46.33009W"
IR_16_8365	32° 05' 21.97607N"	110° 02' 45.16763W"
IR_15_8366	32° 05' 11.10438N"	110° 03' 00.29344W"
IR_15_8367	32° 05' 13.08148N"	110° 02' 57.96607W"
IR_15_8368	32° 05' 13.08040N"	110° 02' 56.80364W"
IR_17_8369	32° 05' 18.00965N"	110° 02' 37.03567W"
IR_17_8370	32° 05' 19.99344N"	110° 02' 41.68285W"
IR_16_8371	32° 05' 19.01680N"	110° 02' 55.31070W"
IR_16_8372	32° 05' 17.03851N"	110° 02' 56.35459W"
IR_14_8375	32° 04' 52.26061N"	110° 02' 18.47232W"
IR_14_8374	32° 04' 52.26180N"	110° 02' 19.63468W"
IR_15_8373	32° 05' 07.11681N"	110° 02' 30.07576W"

**Table 2.5-1
Proposed Intermediate Monitoring Wells**

Proposed Intermediate Monitoring Well ID	Stage(s) of Operation	Latitude	Longitude
NSH-005	1	32° 04' 59.6"	110° 02' 32.1"
NSH-019	1	32° 04' 53.7"	110° 02' 36.4"
NSH-024	1	32° 04' 54.8"	110° 02' 34.2"
NSM-001*	1	32° 05' 1.08"	110° 02' 37.6"
NSM-006	1	32° 04' 59.6"	110° 02' 39.1"
NSD-001	1	32° 04' 54.7"	110° 02' 40.5"
NSD-011	1	32° 04' 58.5"	110° 02' 34.4"
NSD-023*	1	32° 05' 1.01"	110° 02' 40.5"
NSH-003*	1 & 2	32° 05' 02.6"	110° 02' 35.9"
NSH-013*	1 & 2	32° 05' 02.6"	110° 02' 37.6"
NSH-017*	1 & 2	32° 04' 50.9"	110° 02' 41.1"
NSM-007*	1 & 2	32° 05' 04.1"	110° 02' 38.4"
CS-05	1 & 2	32° 04' 56.2"	110° 02' 31.1"
CS-06*	1 & 2	32° 05' 01.2"	110° 02' 31.5"
CS-10*	1 & 2	32° 05' 05.7"	110° 02' 37.5"
CS-11*	1 & 2	32° 05' 0.93"	110° 02' 43.4"
NSD-024	1 & 2	32° 04' 59.7"	110° 02' 28.9"
NSH-016*	1 to 3	32° 04' 51.1"	110° 02' 44.5"
NSH-026*	1 to 3	32° 04' 48.3"	110° 02' 24.9"
NSM-005A*	1 to 3	32° 04' 50.4"	110° 02' 29.2"
CS-21*	1 to 3	32° 05' 05.7"	110° 02' 32.1"
IMW-001*	1 to 3	32° 04' 48.9"	110° 02' 37.1"
IMW-002*	1 to 3	32° 05' 1.08"	110° 02' 25.1"
J-05*	1 to 3	32° 04' 56.3"	110° 02' 44.7"
NSD-009*	1 to 3	32° 04' 49.8"	110° 02' 21.8"
NSD-025*	1 to 3	32° 04' 49.9"	110° 02' 30.1"
NSD-043*	1 to 3	32° 04' 56.7"	110° 02' 23.6"
NSH-007*	2 & 3	32° 05' 08.1"	110° 02' 52.7"
NSM-013*	2 & 3	32° 05' 3.09"	110° 02' 52.3"
CS-09*	2 & 3	32° 05' 10.6"	110° 02' 31.8"
CS-13*	2 & 3	32° 05' 10.6"	110° 02' 43.3"
J-08	2 & 3	32° 05' 07.5"	110° 02' 35.5"
J-09	2 & 3	32° 05' 05.6"	110° 02' 39.8"
“*” – Indicates Proposed Outer IMWs			

**Table 2.5-2
Observation Wells**

Observation Well ID*	Stage(s) of Operation	Latitude	Longitude	Activated with Hydraulic Control (HC) Well
OW-15-I	1 to 3	32° 05' 01.8"	110° 02' 23.5"	HC-15
OW-15-O	1 to 3	32° 05' 01.9"	110° 02' 21.3"	
OW-04-I	1 to 3	32° 04' 47.2"	110° 02' 30.9"	HC-04
OW-04-O	1 to 3	32° 04' 46.3"	110° 02' 29.9"	
OW-22-I	1 to 3	32° 05' 09.7"	110° 02' 33.9"	HC-22
OW-22-O	1 to 3	32° 05' 10.7"	110° 02' 32.2"	
OW-19-I	1 to 3	32° 05' 06.5"	110° 02' 28.1"	HC-19
OW-19-O	1 to 3	32° 05' 07.9"	110° 02' 26.5"	
OW-01-I	1 to 3	32° 04' 47.3"	110° 02' 41.06"	HC-01
OW-01-O	1 to 3	32° 04' 46.5"	110° 02' 41.3"	
OW-10-I	1 to 3	32° 04' 52.7"	110° 02' 18.8"	HC-10
OW-10-O	1 to 3	32° 04' 52.8"	110° 02' 16.7"	
OW-13-I	1 to 3	32° 04' 58.6"	110° 02' 19.9"	HC-13
OW-13-O	1 to 3	32° 04' 58.3"	110° 02' 17.8"	
OW-07-I	3	32° 04' 47.7"	110° 02' 21.2"	HC-07
OW-07-O	3	32° 04' 46.3"	110° 02' 20.4"	
OW-25-I	3	32° 05' 18.6"	110° 02' 37.4"	HC-25
OW-25-O	3	32° 05' 19.5"	110° 02' 35.6"	
OW-28-I	3	32° 05' 21.6"	110° 02' 44.07"	HC-28
OW-28-O	3	32° 05' 23.4"	110° 02' 43.00"	
OW-30-I	3	32° 05' 02.5"	110° 02' 44.4"	HC-30
OW-30-O	3	32° 05' 00.8"	110° 02' 44.7"	

* - "I" = inner OWs and "O" = outer OWs

**Table 2.5-3
Hydraulic Control Wells**

Hydraulic Control Well ID	Stage(s) of Operation	Latitude	Longitude	Activated with Mine Block
HC-15	1 to 3	32° 05' 01.6"	110° 02' 23.6"	1
HC-17	1 to 3	32° 05' 04.1"	110° 02' 25.1"	1
HC-18	1 to 3	32° 05' 04.8"	110° 02' 26.9"	1
HC-03	1 to 3	32° 04' 47.4"	110° 02' 34.3"	2
HC-04	1 to 3	32° 04' 47.4"	110° 02' 30.7"	2
HC-22	1 to 3	32° 05' 09.5"	110° 02' 34.1"	4
HC-16	1 to 3	32° 05' 03.3"	110° 02' 23.8"	5
HC-20	1 to 3	32° 05' 07.6"	110° 02' 30.6"	5
HC-21	1 to 3	32° 05' 09.5"	110° 02' 31.8"	5
HC-02	1 to 3	32° 04' 47.4"	110° 02' 37.7"	6
HC-19	1 to 3	32° 05' 06.6"	110° 02' 28.3"	6
HC-01	1 to 3	32° 04' 47.4"	110° 02' 41.2"	7
HC-05	1 to 3	32° 04' 47.5"	110° 02' 27.3"	7
HC-06	1 to 3	32° 04' 48.00"	110° 02' 23.6"	7
HC-10	1 to 3	32° 04' 52.7"	110° 02' 19.05"	7
HC-11	1 to 3	32° 04' 54.7"	110° 02' 19.05"	7
HC-12	1 to 3	32° 04' 56.7"	110° 02' 19.05"	7
HC-13	1 to 3	32° 04' 58.6"	110° 02' 20.2"	7
HC-14	1 to 3	32° 05' 00.6"	110° 02' 21.3"	7
HC-07	3	32° 04' 47.9"	110° 02' 21.3"	16
HC-23	3	32° 05' 14.5"	110° 02' 36.4"	14
HC-24	3	32° 05' 16.5"	110° 02' 36.4"	14
HC-25	3	32° 05' 18.5"	110° 02' 37.6"	14
HC-26	3	32° 05' 19.4"	110° 02' 38.7"	14
HC-27	3	32° 05' 20.1"	110° 02' 41.2"	14
HC-28	3	32° 05' 21.6"	110° 02' 43.8"	14
HC-29	3	32° 05' 02.7"	110° 02' 52.9"	15
HC-08	3	32° 04' 48.8"	110° 02' 19.06"	16
HC-09	3	32° 04' 50.7"	110° 02' 17.8"	16
HC-30	3	32° 05' 02.7"	110° 02' 44.4"	17