

Kennecott South Facilities Groundwater Remediation

ANNUAL PROGRESS REPORT 2006

June 20, 2007

The background of the slide is a solid blue color. In the lower half, there are several faint, concentric circular ripples that resemble water droplets or raindrops, scattered across the bottom right and center areas.

Tonight's Discussion

- 2006 Activities
- 2006 Drilling Program Results
- Southeast Margin Response
- Zone A Water Quality
- Acidic Water Treatment
- Water Level Monitoring
- Subsidence Monitoring
- Zone B Water Quality

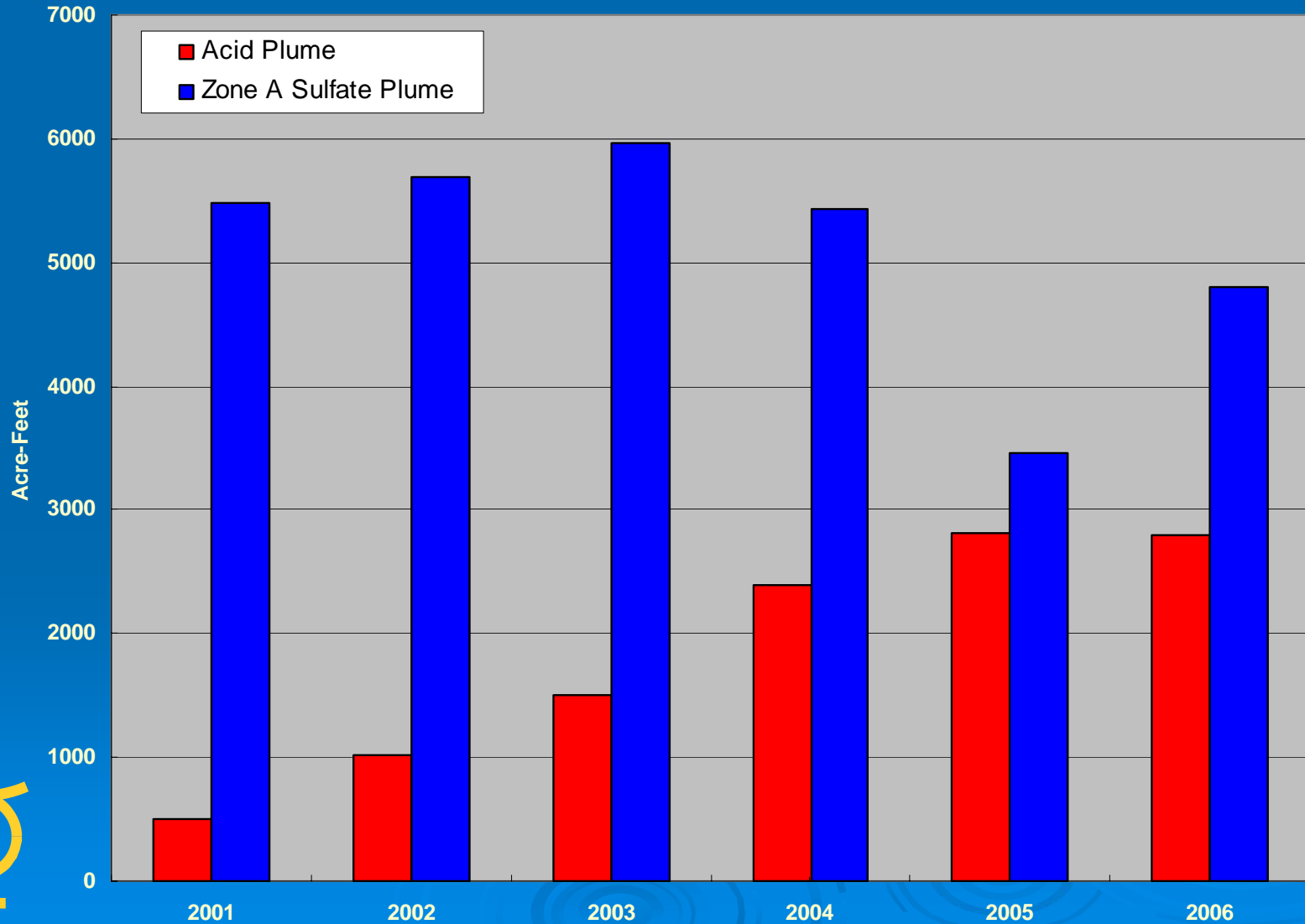


2006 Activities

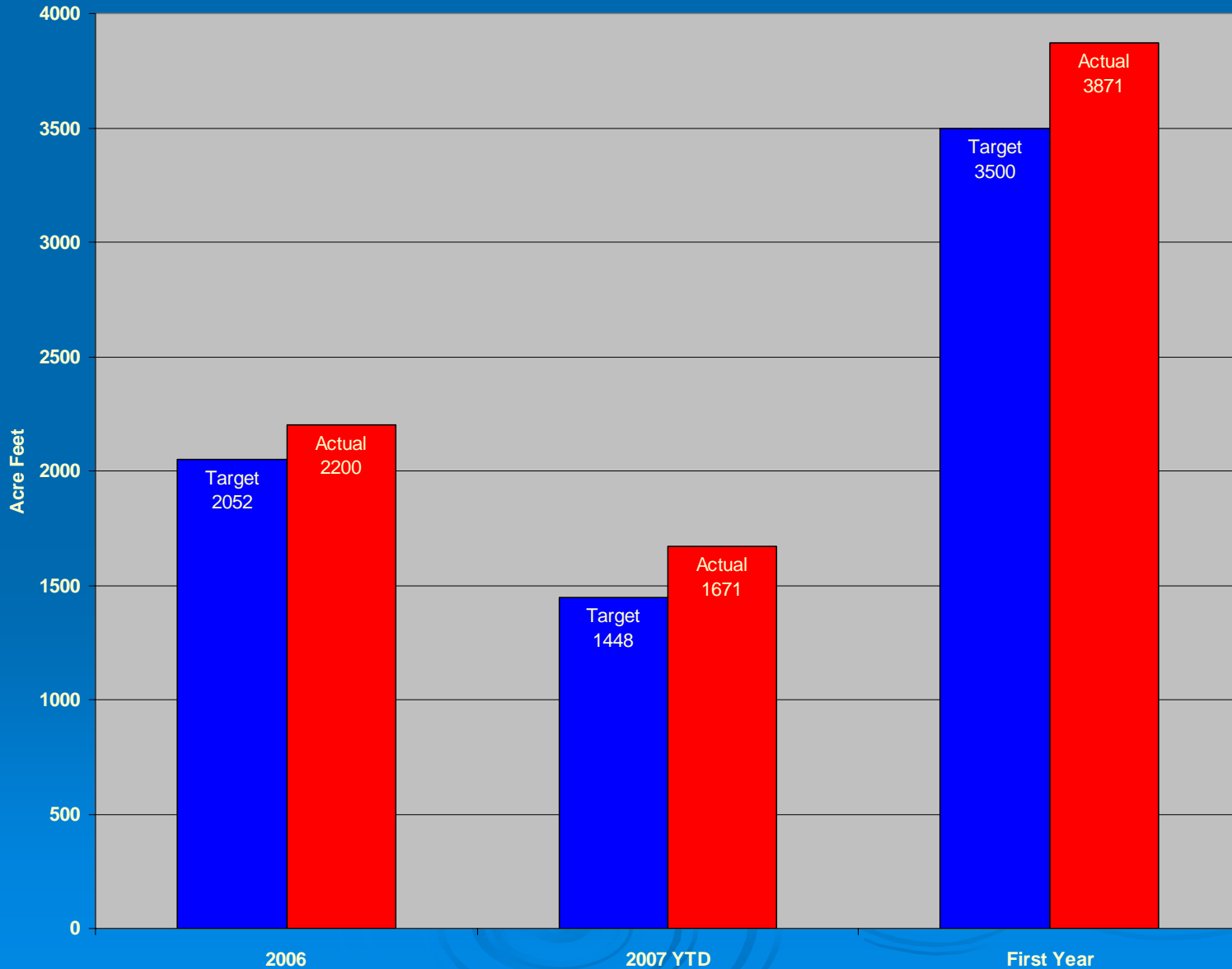
- Start up and Operation of Bingham Canyon Water Treatment Plant (Zone A)
- Installed 13 monitoring wells in Zone A
- Installed 4 replacement wells in Zone B
- Submitted Notice of Construction Completion and Final Report
- Submitted Operations, Maintenance, and Replacement Plan (OM&R Plan)



Annual Groundwater Extraction

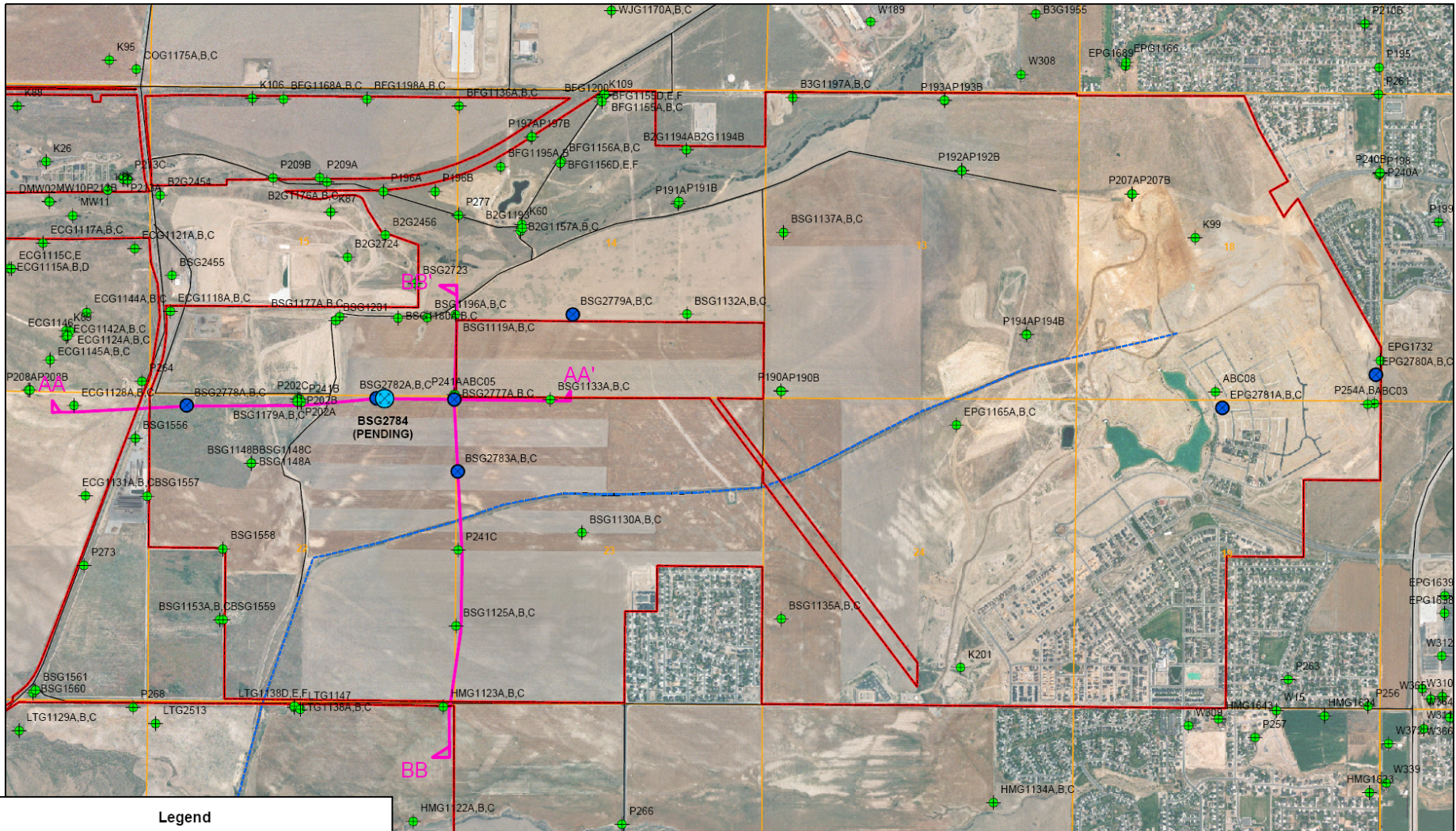


RO Plant Performance



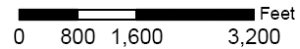
2006 Drilling Program



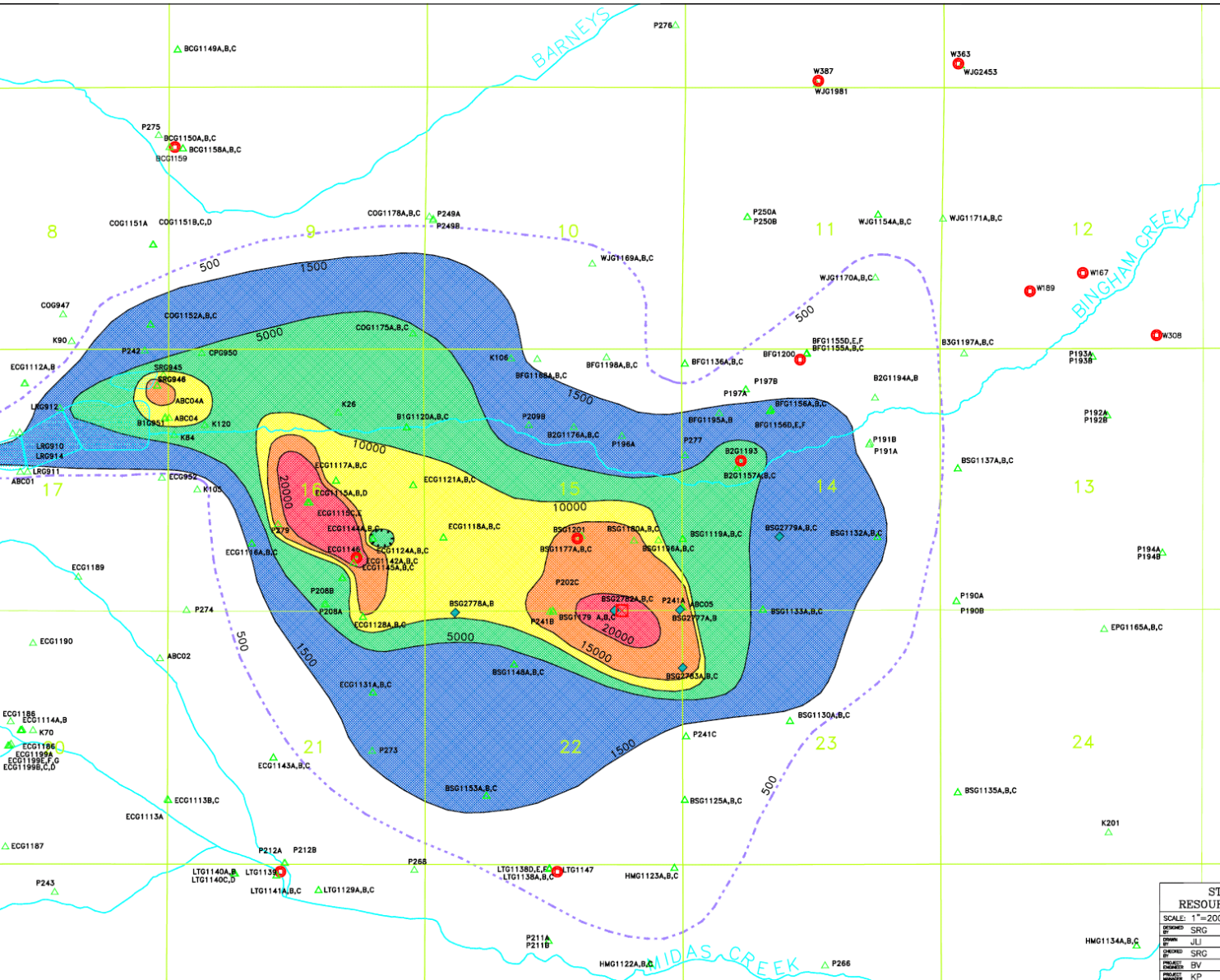


Legend

- BSG2784 - PENDING SITE
- 2006 MONITORING WELLS
- EXISTING MONITORING WELL
- KENNECOTT PROPERTY
- GEOLOGIC CROSS SECTION
- ROADS
- HAUL ROAD
- SECTION LINES



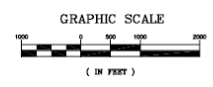
STRATEGIC RESOURCES GROUP		KENNECOTT UTAH COPPER	
SCALE: 1"=1600'	DATE:	FIGURE 1 WELL SITE PLAN VIEW	
DRWG: SRG	DATE:		
DRWG: JI	DATE:		
PROJECT:	DATE:		
DRAWN:	DATE:		
Job No.:	Orig. No.:	WELLSITE PLANVIEW REV. 1	



LEGEND

- SO4 CONCENTRATIONS**
- 20,000+ SO4 mg/L
 - 15,000 - 19,999 SO4 mg/L
 - 10,000 - 14,999 SO4 mg/L
 - 5,000 - 9,999 SO4 mg/L
 - 1,500 - 4,999 SO4 mg/L
 - 500 - 1,499 SO4 mg/L
- EXTRACTION WELL
 - PLANNED EXTRACTION WELL
 - MONITORING WELL SITE
 - 2006 NEW MONITORING WELL SITE

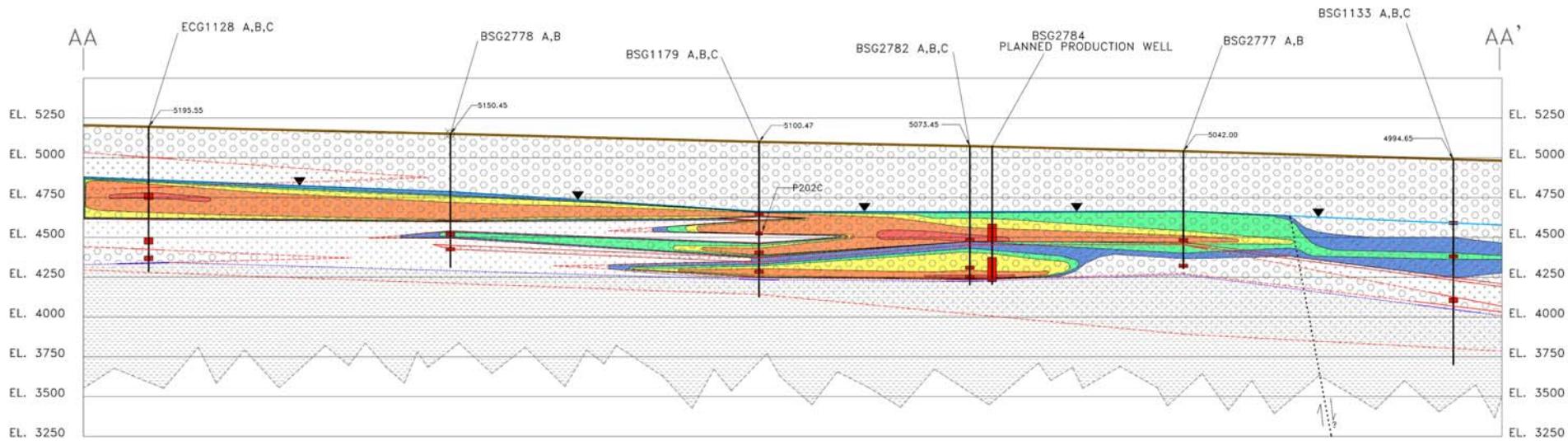
Notes: In wells with multiple completions, the completion with the highest concentration was used. If no 2006 samples were collected, then the most recent analyses of samples collected within the last five years were used.

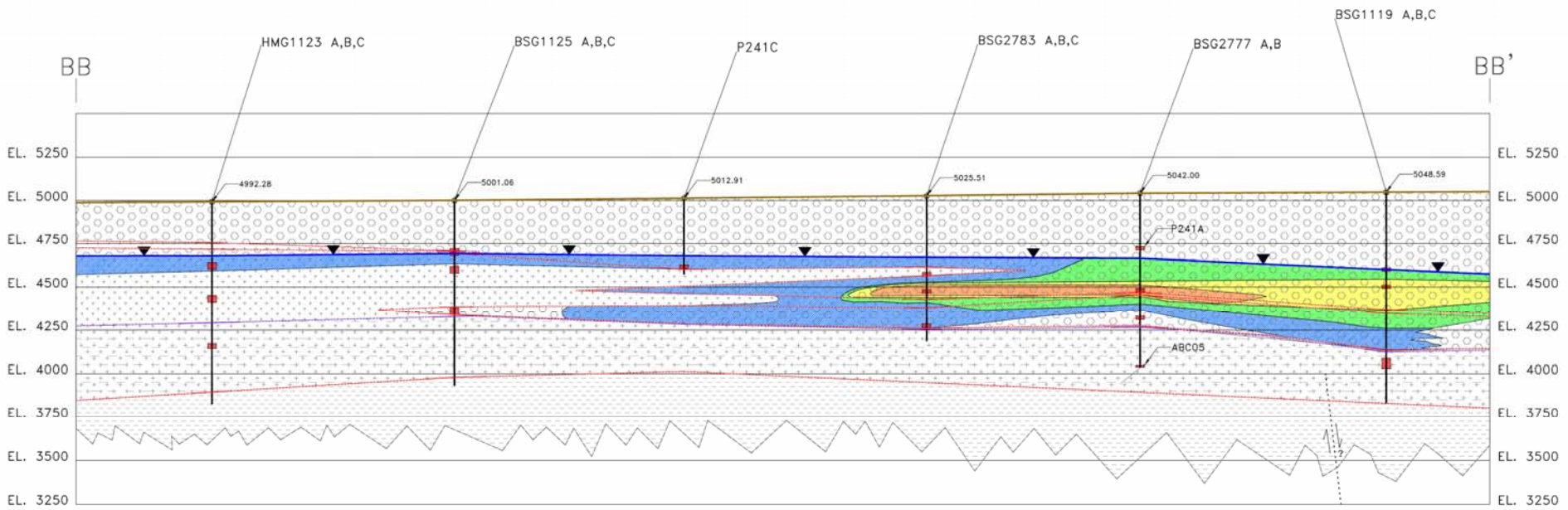


STRATEGIC RESOURCES GROUP		DATE
SCALE: 1"=2000'		
DESIGNED SRG		02/00
DRAWN JUL		07/00
CHECKED SRG		
APPROVED BV		
PROJECT MANAGER KP		

KENNECOTT UTAH COPPER	
FIGURE 3-1	
SULFATE CONCENTRATIONS IN 2006	
Job No. ---	Dwg. No. ---

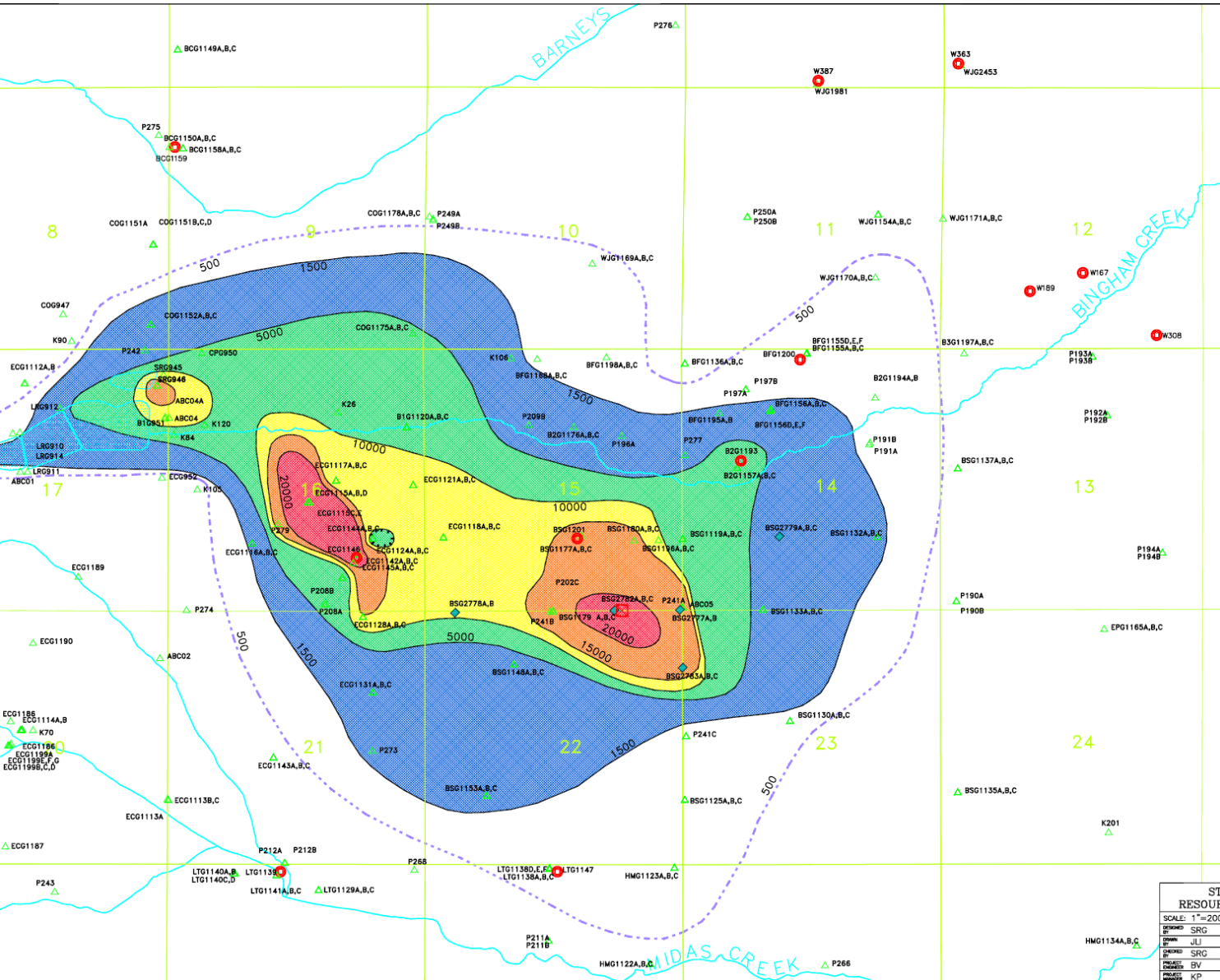
REV 1
REV 1/00





Southeast Margin Response

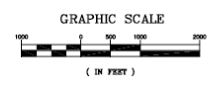




LEGEND

- SO4 CONCENTRATIONS**
- 20,000+ SO4 mg/L
 - 15,000 - 19,999 SO4 mg/L
 - 10,000 - 14,999 SO4 mg/L
 - 5,000 - 9,999 SO4 mg/L
 - 1,500 - 4,999 SO4 mg/L
 - 500 - 1,499 SO4 mg/L
 - EXTRACTION WELL
 - PLANNED EXTRACTION WELL
 - MONITORING WELL SITE
 - 2006 NEW MONITORING WELL SITE

Notes: In wells with multiple completions, the completion with the highest concentration was used. If no 2006 samples were collected, then the most recent analyses of samples collected within the last five years were used.

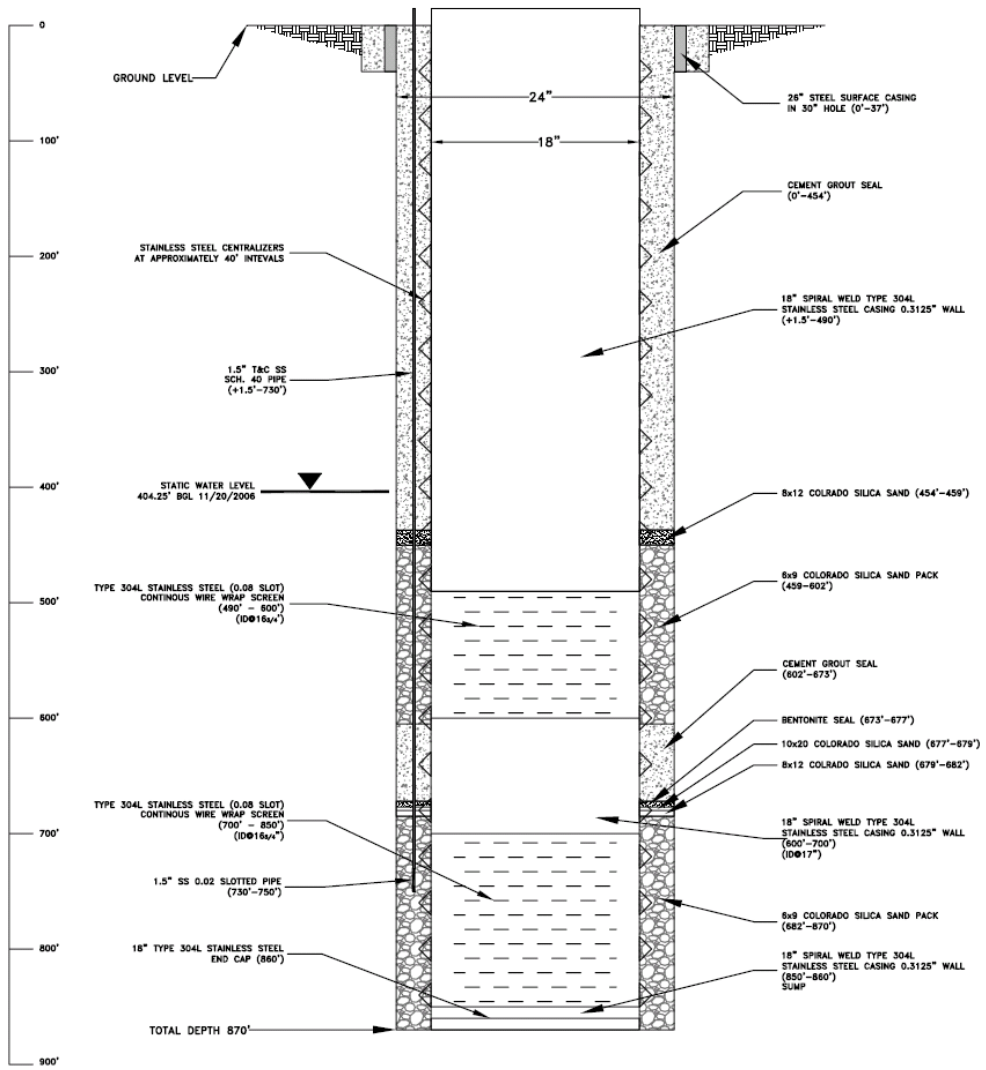


STRATEGIC RESOURCES GROUP		DATE
SCALE: 1"=2000'		
DESIGNED SRG		02/00
DRAWN JUL		07/00
CHECKED SRG		
APPROVED BV		
PROJECT MANAGER KP		

KENNECOTT UTAH COPPER	
FIGURE 3-1	
SULFATE CONCENTRATIONS IN 2006	
Job No. ---	Dwg. No. ---

REV 1
REV 1/00

BSG2784 PRODUCTION WELL (As-Built)



STRATEGIC RESOURCES GROUP		KENNECOTT UTAH COPPER	
SCALE: NOT TO SCALE	DATE: 5/07	BSG2784	
BY: JI	DATE: 5/07	PRODUCTION WELL	
CHKD:		ACID WELL # 3	
APP'D:		Job No. -----	Dep. No. -----

Initial Pumping Strategy

Well	Current gpm	New gpm*
ECG1146	900	900
BSG1201	900	500
BSG2784	0	900
Total	1,800	2,300

*Pending water rights change application



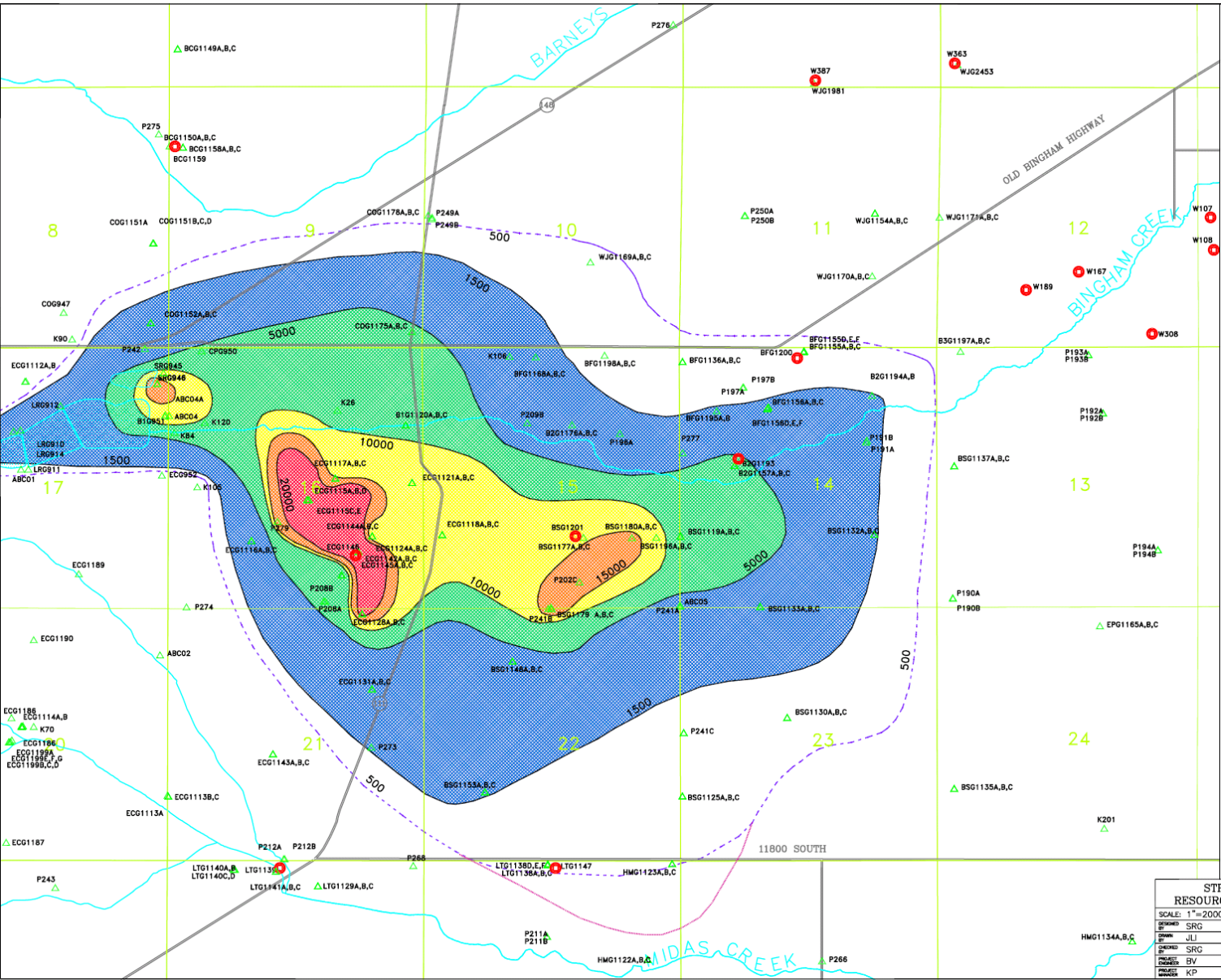
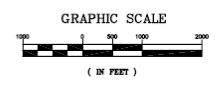
Zone A Water Quality



LEGEND

- S04 CONCENTRATIONS**
- 20,000+ S04 mg/L
 - 15,000 - 19,999 S04 mg/L
 - 10,000 - 14,999 S04 mg/L
 - 5,000 - 9,999 S04 mg/L
 - 1,500 - 4,999 S04 mg/L
 - 500 - 1,499 S04 mg/L
- EXTRACTION WELL
 - ▲ MONITORING WELL SITE

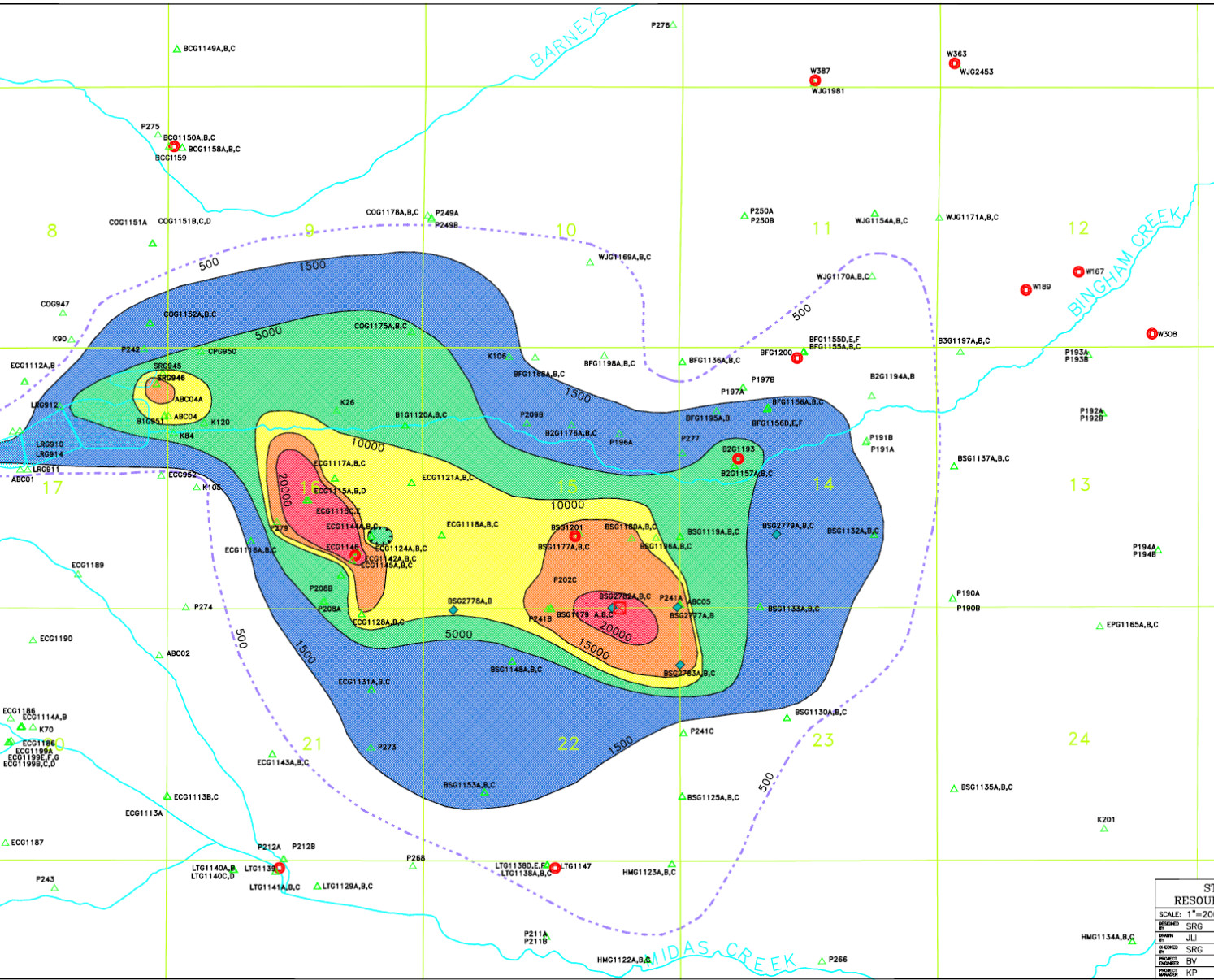
Notes:
 (1) In wells with multiple completions, the completion with the highest concentration was used. If no 2005 samples were collected, then the most recent analyses of samples collected within the last five years were used.
 (2) The 500 mg/L contour line located southeast of LTG1147 was revised for 2005 to reflect 2005 data.



STRATEGIC RESOURCES GROUP		DATE
SCALE: 1"=2000'		
DRAWN BY: SRG		3/2/07
CHECKED BY: SRG		3/2/07
APPROVED BY: BV		
PROJECT MANAGER: KP		

KENNECOTT UTAH COPPER
FIGURE 3-2
SULFATE CONCENTRATIONS
IN 2005

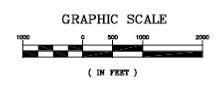
Job No. --- Dwg. No. REV 1



LEGEND

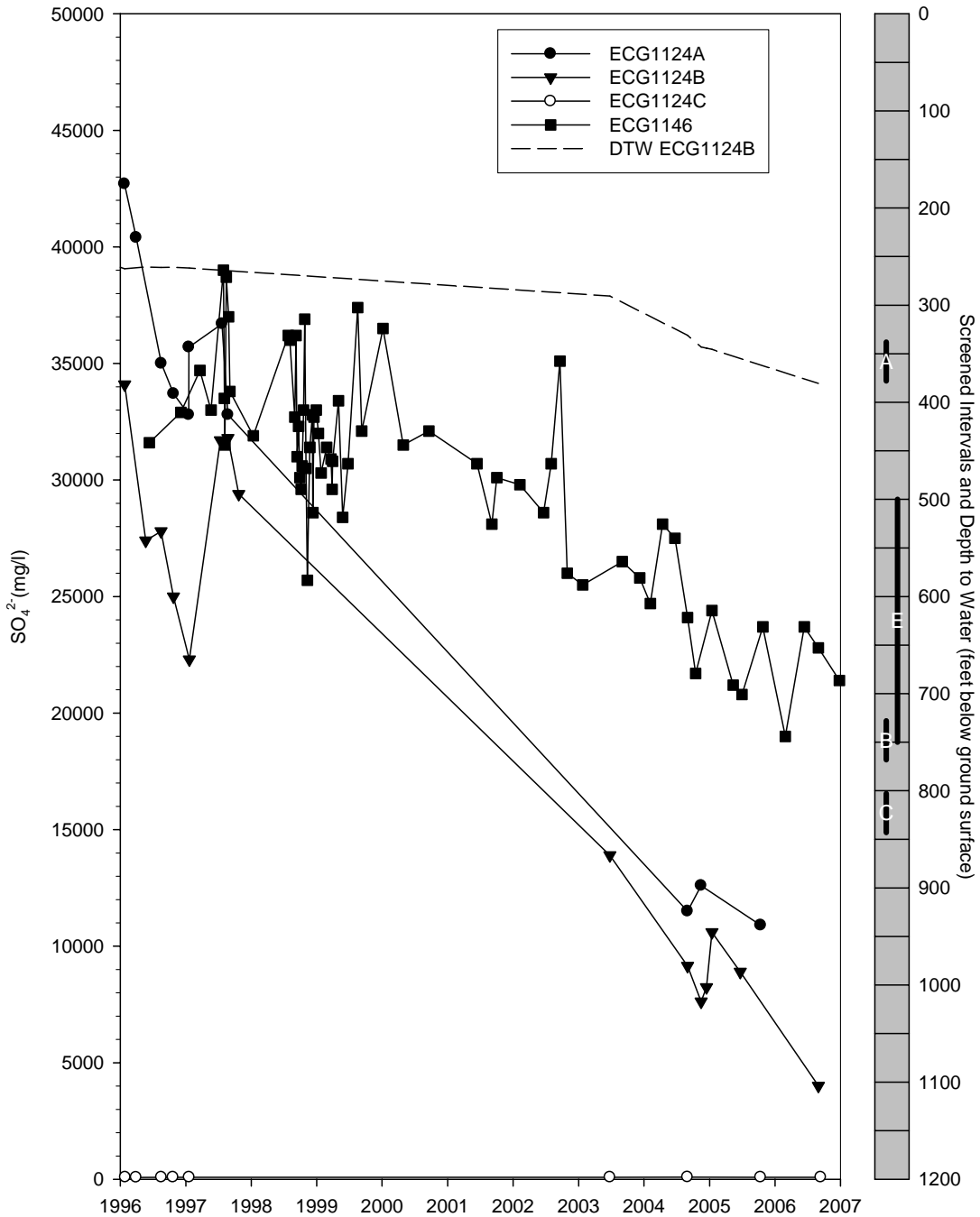
- SO4 CONCENTRATIONS**
- 20,000+ SO4 mg/L
 - 15,000 - 19,999 SO4 mg/L
 - 10,000 - 14,999 SO4 mg/L
 - 5,000 - 9,999 SO4 mg/L
 - 1,500 - 4,999 SO4 mg/L
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- EXTRACTION WELL
 - PLANNED EXTRACTION WELL
 - MONITORING WELL SITE
 - 2006 NEW MONITORING WELL SITE

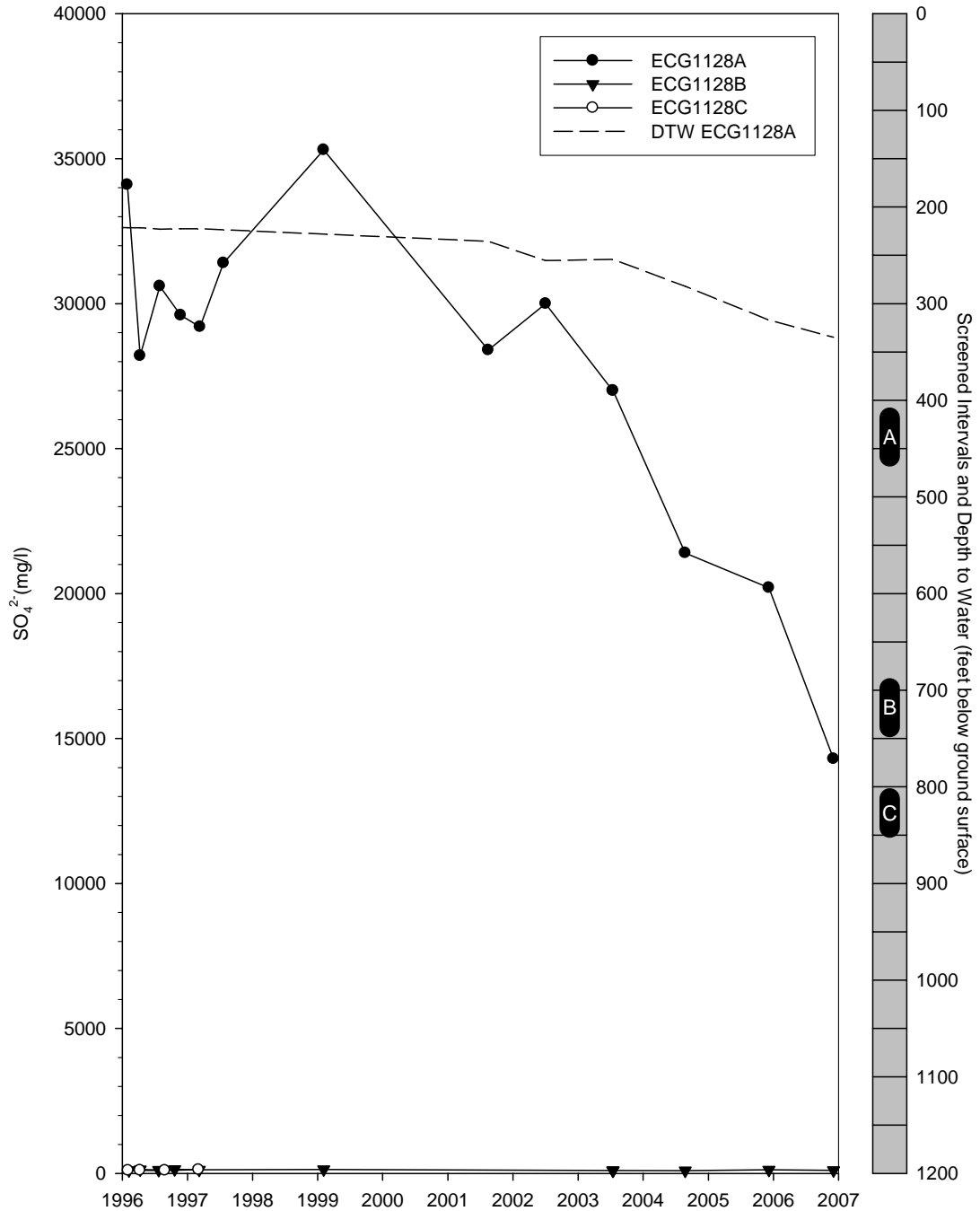
Notes: In wells with multiple completions, the completion with the highest concentration was used. If no 2006 samples were collected, then the most recent analyses of samples collected within the last five years were used.

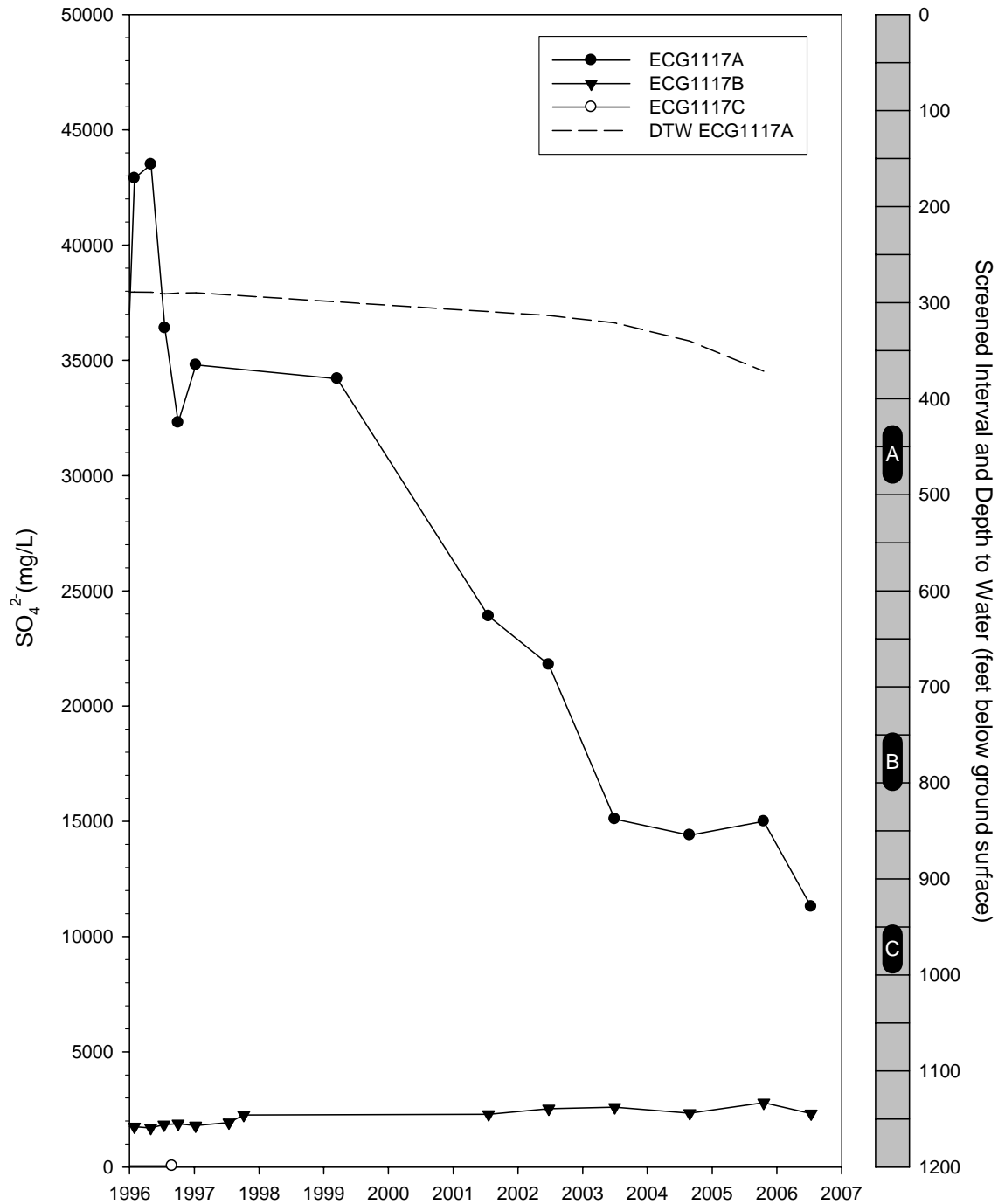


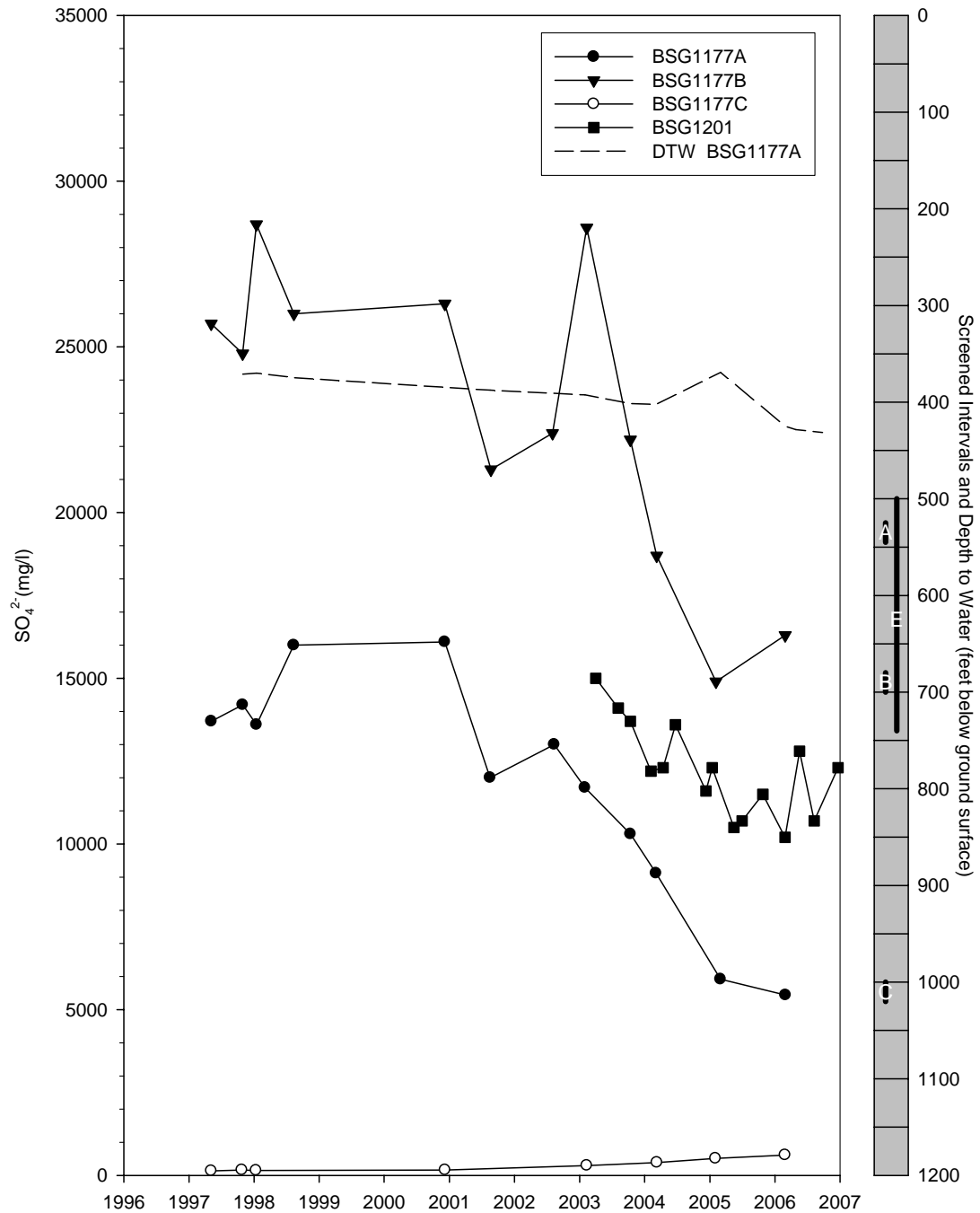
STRATEGIC RESOURCES GROUP		DATE
DESIGNED BY	SRG	10/00
DRAWN BY	SRG	10/00
CHECKED BY	SRG	
PROJECT NUMBER	BV	
PROJECT MANAGER	KP	

KENNECOTT UTAH COPPER	
FIGURE 3-1	
SULFATE CONCENTRATIONS IN 2006	
Job No. ---	Dwg. No. ---
REV 1	REV 1



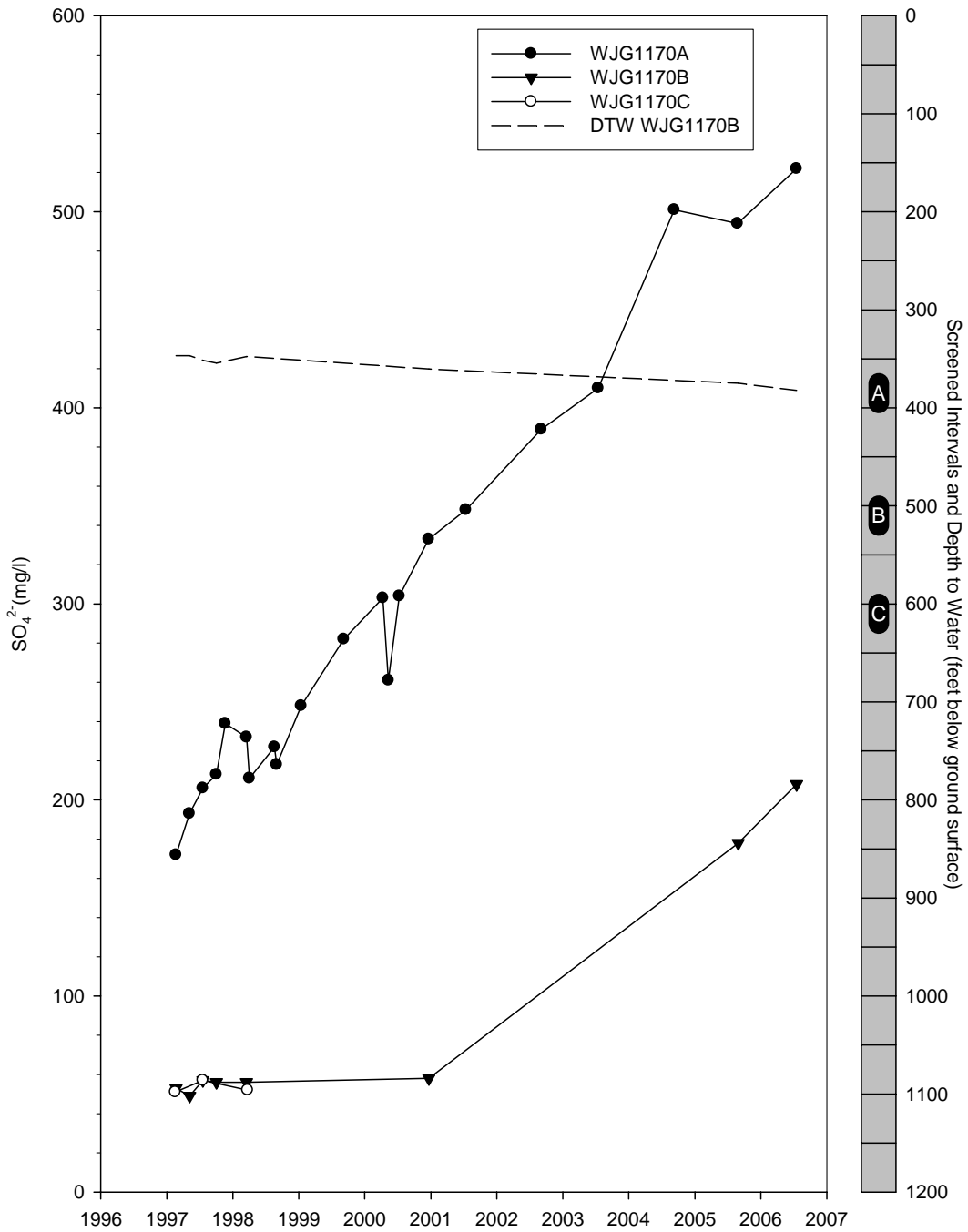


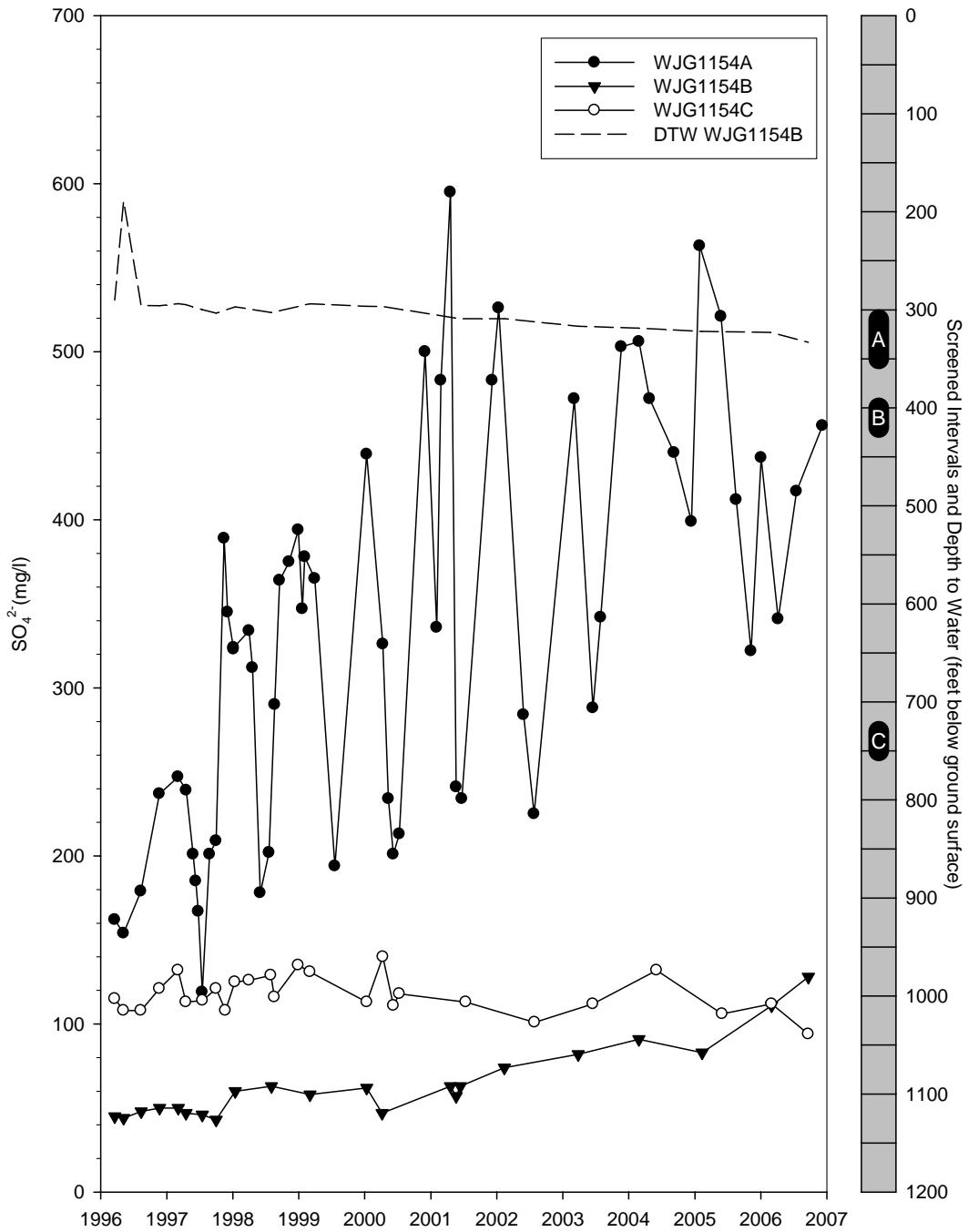


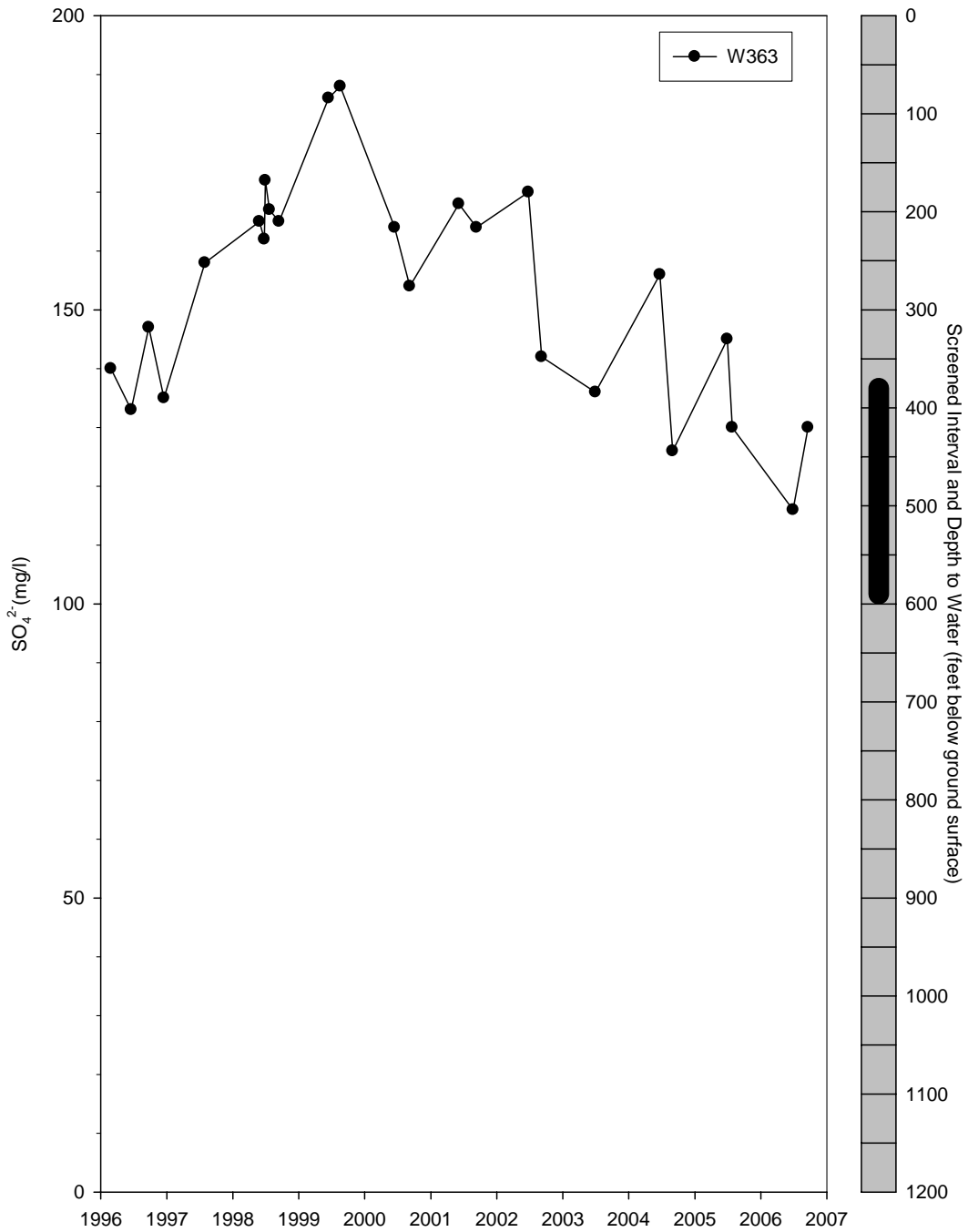


Sulfate: West Jordan Well Field



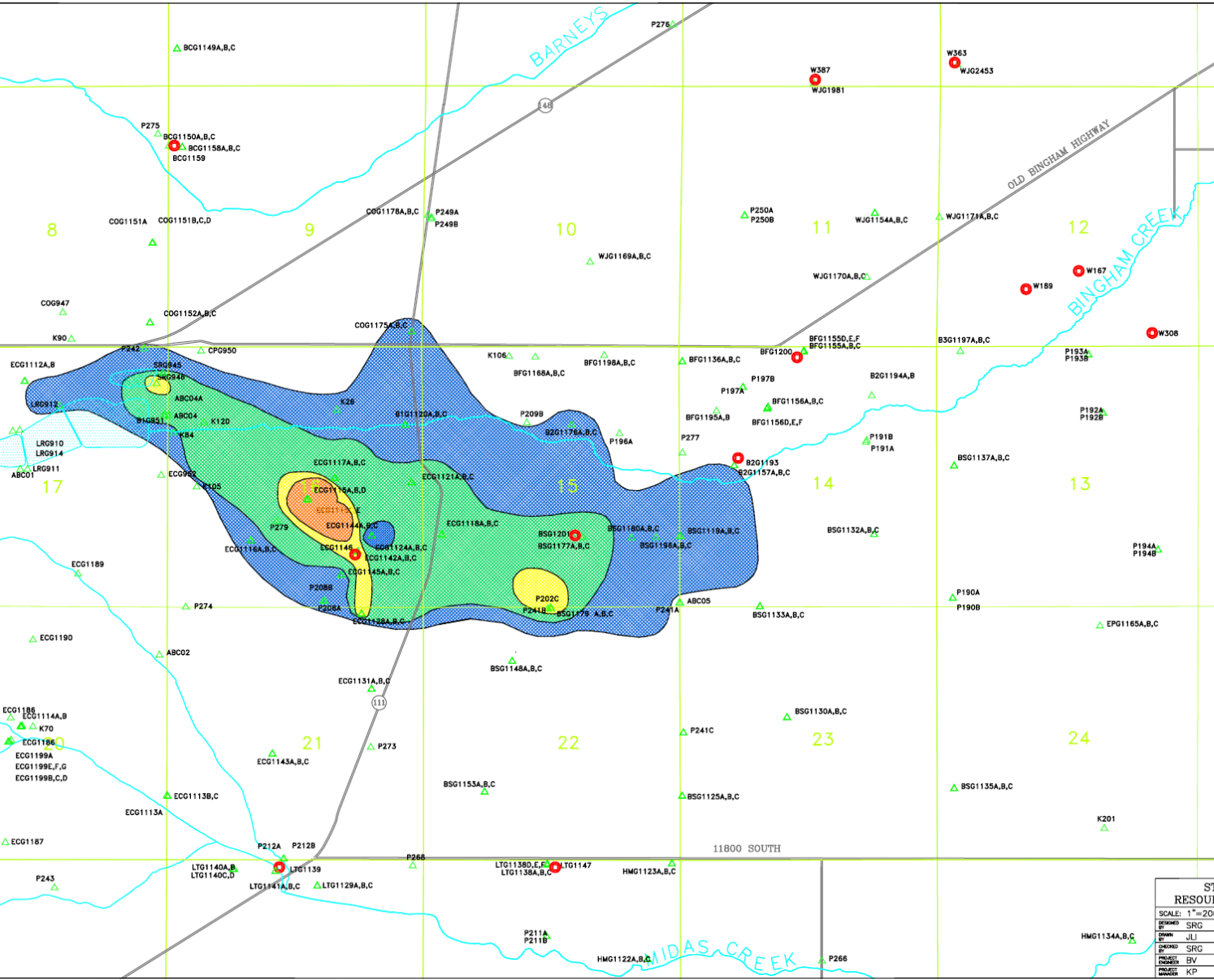






Aluminum

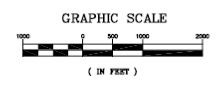




LEGEND

- Al 1,500+ mg/L
- Al 1,000 - 1,499 mg/L
- Al 500 - 999 mg/L
- Al 1.0 - 499 mg/L
- EXTRACTION WELL
- MONITORING WELL SITE

Notes: In wells with multiple completions, the completion with the highest concentration was used. If no 2005 samples were collected, then the most recent analyses of samples collected within the last five years were used.



STRATEGIC RESOURCES GROUP		DATE
SCALE: 1"=2000'		
DRAWN BY: SRG		2/05
ISSUED: JUL		2/05
CHECKED BY: SRG		
PROJECT MANAGER: BV		
PROJECT NUMBER: KP		

KENNECOTT UTAH COPPER

FIGURE 3-38 ALUMINUM CONCENTRATIONS IN 2005

Job No. --- Dwg. No. REF: 1 OF 3

Acid Water Treatment

- UPDES discharge limits met during 2006
- Tailings NP criterion met in 2006
- Tailings aqueous pH criterion met throughout year

	Monthly		6-Month Average	
	GMT	NSB	GMT	NSB
Jan-06	27	50	27	35
Feb-06	49	57	31	38
Mar-06	48	52	36	44
Apr-06	66	33	44	44
May-06	15	10	40	39
Jun-06	22	40	38	40
Jul-06	19	16	37	35
Aug-06	16	17	31	28
Sep-06	24	15	27	22
Oct-06	37	36	22	22
Nov-06	23	19	24	24
Dec-06	62	53	30	26



Acid Water Treatment

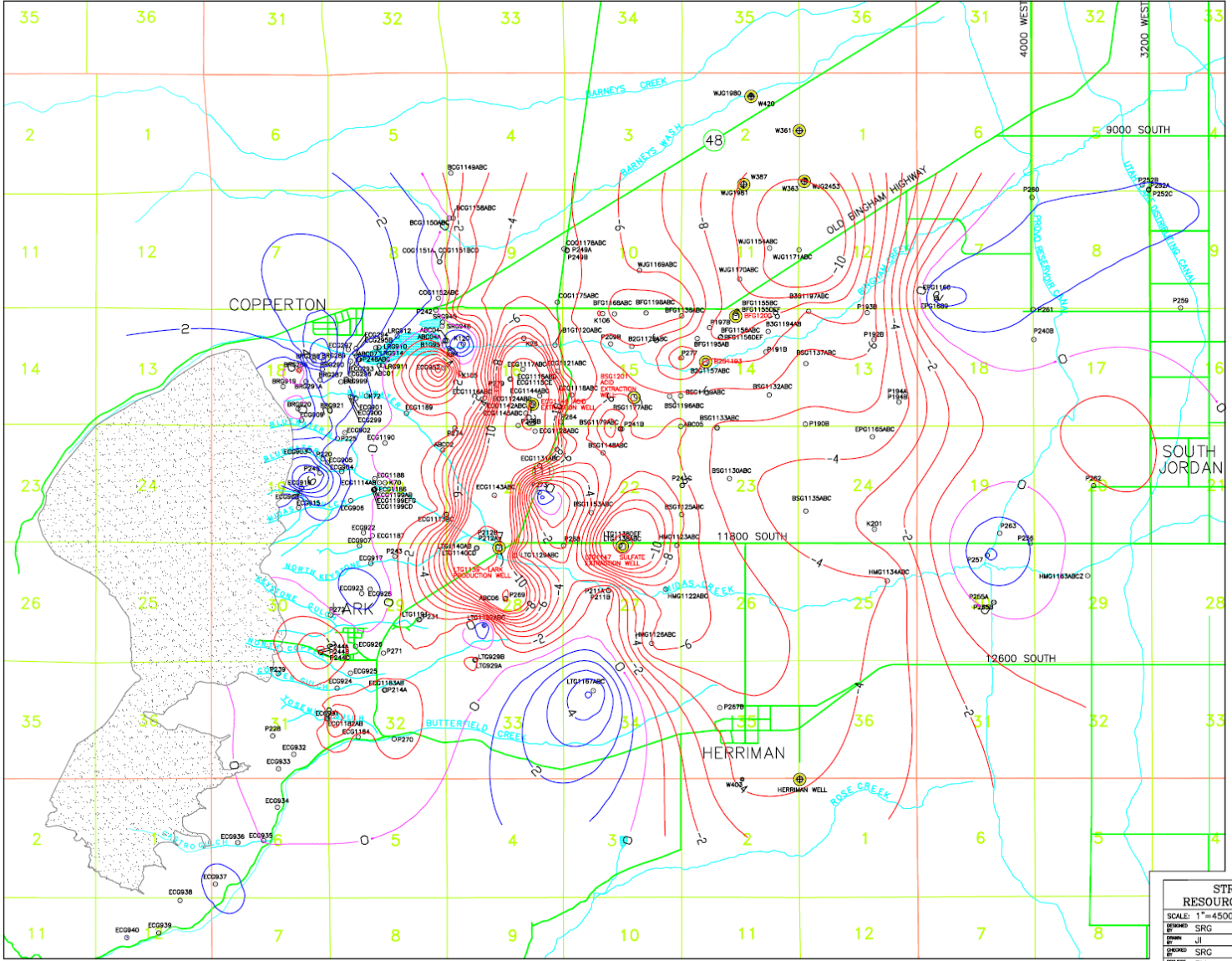
- Tailings aqueous alkalinity criterion met

	Monthly	6-Month Average
	NSB	NSB
Jan-06	32	56
Feb-06	61	62
Mar-06	49	61
Apr-06	103	67
May-06	55	67
Jun-06	73	62
Jul-06	62	67
Aug-06	66	68
Sep-06	25	64
Oct-06	14	49
Nov-06	48	48
Dec-06	62	46





Water Levels

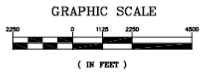




WELL SYMBOLS

- K26 KUC MONITORING WELL
- ⊙ BSG1201 KUC PRODUCTION WELL
- ⊕ W361 MUNICIPAL WATER SUPPLY WELL

 WATER ELEVATION CHANGE CONTOUR LINE. RED DENOTES DROP IN WATER LEVEL.
 BLUE DENOTES INCREASE IN WATER LEVEL INTERVALS
 CONTOUR INTERVAL IS 1' FROM 10' TO -10' AND 5' FOR CHANGES GREATER THEN 10'



STRATEGIC RESOURCES GROUP		KENNECOTT UTAH COPPER	
SCALE: 1"=4500'	DATE	FIGURE 4-4	
BY: SRG	3/9/07	CHANGE IN WATER TABLE	
CHECKED: JI	3/9/07	SEPT 2005 TO SEPT 2006	
PROJECT: SRG			
PROJECT: BV			
PROJECT: KP		Job No. ---	Dwg. No. ---

Subsidence

Survey Site	12/19/02 Survey	3/11/04 Survey	4/5/05 Survey	5/16/06 Survey	2002-04 Difference	2004-05 Difference	2005-2006 Difference
ECG1116	5318.519	5318.518	5318.593	5318.562	-0.001	0.075	-0.031
ECG1124	5250.985	5250.969	5251.076	5251.024	-0.016	0.107	-0.052
BSG1137	4941.591	4941.549	4941.624	4941.591	-0.041	0.075	-0.033
BFG1156a	4997.262	4997.275	4997.344	4997.327	0.013	0.069	-0.017
WJG1170	4968.166	4968.016	4968.119	4968.123	-0.150	0.103	0.004
BSG1180	5078.004	5078.010	5078.032	5078.008	0.005	0.022	-0.024
K105	5341.950	5341.996	5342.09	5342.088	0.046	0.094	-0.002
1973 West	---	5205.333	5205.428	5205.389	---	0.095	-0.039
1/4 Section 13/14	---	4943.947	4944.013	4943.987	---	0.066	-0.026
1/4 Section 15/22	---	5104.350	---	---	---	---	



Zone B Water Quality



