

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

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# ----- WARNING -----
#
# The data you have obtained from this automated U.S. Geological Survey
# database
# have not received Director's approval and as such are provisional and
# subject to
# revision. The data are released on the condition that neither the USGS
# nor the
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# Additional info: http://nwis.waterdata.usgs.gov/nwis/help/?provisional
#
# File-format description:
# http://nwis.waterdata.usgs.gov/nwis/?tab_delimited_format_info
# Automated-retrieval info:
# http://nwis.waterdata.usgs.gov/nwis/?automated_retrieval_info
#
# Contact: gs-w_support_nwisweb@usgs.gov
# retrieved: 2012-10-09 15:07:32 EDT (nadww01)
#
# Data for the following 1 site(s) are contained in this file
# USGS 06340010 KNIFE RIVER NEAR BEULAH, ND
# -----
#
# Data provided for site 06340010
# DD parameter statistic Description
# 02 00065 00003 Gage height, feet (Mean)
# 04 00060 00003 Discharge, cubic feet per second (Mean)
#
# Data-value qualification codes included in this output:
# A Approved for publication -- Processing and review completed.
# P Provisional data subject to revision.
# e Value has been estimated.
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agency_cd site_no datetime 02_00065_00003 02_00065_00003_cd
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USGS 06340010 2010-03-15 34 A:e
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Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

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USGS	06340010	2011-03-31	57.24 A	290 A:e
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USGS	06340010	2011-04-02	58.31 A	800 A:e
USGS	06340010	2011-04-03	62.32 A	2300 A:e
USGS	06340010	2011-04-04	65.09 A	3400 A:e
USGS	06340010	2011-04-05	64.91 A	3500 A:e
USGS	06340010	2011-04-06	64.78 A	3510 A
USGS	06340010	2011-04-07	66.80 A	4660 A
USGS	06340010	2011-04-08	67.84 A	5290 A
USGS	06340010	2011-04-09	67.83 A	5240 A
USGS	06340010	2011-04-10	66.73 A	4460 A
USGS	06340010	2011-04-11	66.18 A	4040 A

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USGS	06340010	2011-04-12	65.63 A	3780	A
USGS	06340010	2011-04-13	63.22 A	2680	A
USGS	06340010	2011-04-14	61.25 A	1880	A
USGS	06340010	2011-04-15	59.82 A	1380	A
USGS	06340010	2011-04-16	58.87 A	1090	A
USGS	06340010	2011-04-17	58.20 A	898	A
USGS	06340010	2011-04-18	57.77 A	784	A
USGS	06340010	2011-04-19	57.47 A	706	A
USGS	06340010	2011-04-20	57.33 A	668	A
USGS	06340010	2011-04-21	57.29 A	659	A
USGS	06340010	2011-04-22	57.34 A	672	A
USGS	06340010	2011-04-23	58.01 A	851	A
USGS	06340010	2011-04-24	58.33 A	943	A
USGS	06340010	2011-04-25	58.33 A	941	A
USGS	06340010	2011-04-26	58.05 A	862	A
USGS	06340010	2011-04-27	57.46 A	702	A
USGS	06340010	2011-04-28	57.04 A	595	A
USGS	06340010	2011-04-29	56.74 A	524	A
USGS	06340010	2011-04-30	56.56 A	483	A
USGS	06340010	2011-05-01	56.55 A	481	A
USGS	06340010	2011-05-02	56.73 A	521	A
USGS	06340010	2011-05-03	57.14 A	620	A
USGS	06340010	2011-05-04	57.36 A	677	A
USGS	06340010	2011-05-05	57.45 A	701	A
USGS	06340010	2011-05-06	58.31 A	937	A
USGS	06340010	2011-05-07	58.81 A	1080	A
USGS	06340010	2011-05-08	57.93 A	830	A
USGS	06340010	2011-05-09	57.14 A	622	A
USGS	06340010	2011-05-10	56.82 A	542	A
USGS	06340010	2011-05-11	56.96 A	576	A
USGS	06340010	2011-05-12	57.29 A	660	A
USGS	06340010	2011-05-13	59.22 A	1220	A
USGS	06340010	2011-05-14	59.30 A	1240	A
USGS	06340010	2011-05-15	57.70 A	768	A
USGS	06340010	2011-05-16	56.77 A	531	A
USGS	06340010	2011-05-17	56.29 A	424	A
USGS	06340010	2011-05-18	55.99 A	362	A
USGS	06340010	2011-05-19	55.77 A	320	A
USGS	06340010	2011-05-20	55.69 A	304	A
USGS	06340010	2011-05-21	58.89 A	1240	A
USGS	06340010	2011-05-22	66.09 A	4280	A
USGS	06340010	2011-05-23	65.30 A	3830	A
USGS	06340010	2011-05-24	63.68 A	3010	A
USGS	06340010	2011-05-25	62.54 A	2480	A
USGS	06340010	2011-05-26	60.63 A	1680	A
USGS	06340010	2011-05-27	59.11 A	1150	A
USGS	06340010	2011-05-28	57.94 A	793	A
USGS	06340010	2011-05-29	57.21 A	602	A
USGS	06340010	2011-05-30	57.38 A	647	A
USGS	06340010	2011-05-31	59.00 A	1120	A
USGS	06340010	2011-06-01	60.85 A	1770	A
USGS	06340010	2011-06-02	61.46 A	2010	A
USGS	06340010	2011-06-03	60.41 A	1600	A
USGS	06340010	2011-06-04	58.51 A	961	A

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USGS	06340010	2011-06-05	57.44	A	660	A
USGS	06340010	2011-06-06	56.86	A	517	A
USGS	06340010	2011-06-07	56.45	A	426	A
USGS	06340010	2011-06-08	56.23	A	380	A
USGS	06340010	2011-06-09	56.04	A	342	A
USGS	06340010	2011-06-10	55.94	A	323	A
USGS	06340010	2011-06-11	55.90	A	315	A
USGS	06340010	2011-06-12	55.89	A	313	A
USGS	06340010	2011-06-13	56.61	A	470	A
USGS	06340010	2011-06-14	58.21	A	876	A
USGS	06340010	2011-06-15	56.96	A	540	A
USGS	06340010	2011-06-16	57.16	A	589	A
USGS	06340010	2011-06-17	56.84	A	513	A
USGS	06340010	2011-06-18	56.51	A	439	A
USGS	06340010	2011-06-19	58.13	A	903	A
USGS	06340010	2011-06-20	58.47	A	948	A
USGS	06340010	2011-06-21	58.97	A	1100	A
USGS	06340010	2011-06-22	59.69	A	1340	A
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USGS	06340010	2011-06-24	56.79	A	500	A
USGS	06340010	2011-06-25	56.37	A	410	A
USGS	06340010	2011-06-26	56.03	A	340	A
USGS	06340010	2011-06-27	55.82	A	300	A
USGS	06340010	2011-06-28	55.73	A	284	A
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USGS	06340010	2011-07-02	55.22	A	198	A
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USGS	06340010	2011-07-06	54.96	A	161	A
USGS	06340010	2011-07-07	54.98	A	164	A
USGS	06340010	2011-07-08	55.36	A	227	A
USGS	06340010	2011-07-09	56.40	A	429	A
USGS	06340010	2011-07-10	56.25	A	400	A
USGS	06340010	2011-07-11	56.47	A	445	A
USGS	06340010	2011-07-12	56.55	A	461	A
USGS	06340010	2011-07-13	56.55	A	461	A
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USGS	06340010	2011-07-17	55.76	A	307	A
USGS	06340010	2011-07-18	55.48	A	260	A
USGS	06340010	2011-07-19	55.38	A	242	A
USGS	06340010	2011-07-20	55.28	A	227	A
USGS	06340010	2011-07-21	55.20	A	214	A
USGS	06340010	2011-07-22	55.31	A	233	A
USGS	06340010	2011-07-23	55.79	A	312	A
USGS	06340010	2011-07-24	55.87	A	328	A
USGS	06340010	2011-07-25	55.98	A	347	A
USGS	06340010	2011-07-26	55.71	A	298	A
USGS	06340010	2011-07-27	55.52	A	266	A
USGS	06340010	2011-07-28	55.38	A:e	242	A:e

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USGS	06340010	2011-07-29	55.33	A	235	A
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USGS	06340010	2011-07-31	55.18	A:e	212	A:e
USGS	06340010	2011-08-01	55.07	A:e	196	A:e
USGS	06340010	2011-08-02	54.98	A	182	A
USGS	06340010	2011-08-03	54.92	A:e	173	A:e
USGS	06340010	2011-08-04	54.92	A	173	A
USGS	06340010	2011-08-05	54.87	A:e	165	A:e
USGS	06340010	2011-08-06	54.90	A	170	A
USGS	06340010	2011-08-07	54.93	A	175	A
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USGS	06340010	2011-08-12	55.23	A	216	A
USGS	06340010	2011-08-13	55.04	A	186	A
USGS	06340010	2011-08-14	54.87	A	161	A
USGS	06340010	2011-08-15	54.84	A:e	155	A:e
USGS	06340010	2011-08-16	54.88	A:e	159	A:e
USGS	06340010	2011-08-17	54.85	A:e	153	A:e
USGS	06340010	2011-08-18	55.02	A	176	A
USGS	06340010	2011-08-19	55.18	A	199	A
USGS	06340010	2011-08-20	55.17	A	196	A
USGS	06340010	2011-08-21	54.87	A	152	A
USGS	06340010	2011-08-22	54.68	A:e	125	A:e
USGS	06340010	2011-08-23	54.58	A:e	111	A:e
USGS	06340010	2011-08-24	54.49	A:e	99	A:e
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USGS	06340010	2011-08-28	54.36	A:e	82	A:e
USGS	06340010	2011-08-29	54.36	A	81	A
USGS	06340010	2011-08-30	54.32	A	78	A
USGS	06340010	2011-08-31	54.32	A:e	78	A:e
USGS	06340010	2011-09-01	54.60	A:e	109	A:e
USGS	06340010	2011-09-02	54.82	A:e	137	A:e
USGS	06340010	2011-09-03	54.75	A:e	128	A:e
USGS	06340010	2011-09-04	54.69	A	120	A
USGS	06340010	2011-09-05	54.88	A	145	A
USGS	06340010	2011-09-06	54.72	A	123	A
USGS	06340010	2011-09-07	54.60	A	110	A
USGS	06340010	2011-09-08	54.52	A	99	A
USGS	06340010	2011-09-09	54.42	A	89	A
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USGS	06340010	2011-09-13	54.24	A:e	70	A:e
USGS	06340010	2011-09-14	54.22	A:e	67	A:e
USGS	06340010	2011-09-15	54.21	A:e	67	A:e
USGS	06340010	2011-09-16	54.20	A	66	A
USGS	06340010	2011-09-17	54.19	A	65	A
USGS	06340010	2011-09-18	54.20	A:e	66	A:e
USGS	06340010	2011-09-19	54.21	A:e	66	A:e
USGS	06340010	2011-09-20	54.30	A:e	75	A:e

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USGS	06340010	2011-09-21	54.54 A	102	A
USGS	06340010	2011-09-22	54.48 A	96	A
USGS	06340010	2011-09-23	54.50 A	98	A
USGS	06340010	2011-09-24	54.48 A	95	A
USGS	06340010	2011-09-25	54.43 A	89	A
USGS	06340010	2011-09-26	54.36 A	82	A
USGS	06340010	2011-09-27	54.32 A	77	A
USGS	06340010	2011-09-28	54.31 A:e	77	A:e
USGS	06340010	2011-09-29	54.26 A:e	72	A:e
USGS	06340010	2011-09-30	54.23 A	68	A
USGS	06340010	2011-10-01			
USGS	06340010	2011-10-02			
USGS	06340010	2011-10-03			
USGS	06340010	2011-10-04			
USGS	06340010	2011-10-05			
USGS	06340010	2011-10-06			
USGS	06340010	2011-10-07			
USGS	06340010	2011-10-08			
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USGS	06340010	2011-11-07			
USGS	06340010	2011-11-08			
USGS	06340010	2011-11-09			
USGS	06340010	2011-11-10			
USGS	06340010	2011-11-11			
USGS	06340010	2011-11-12			
USGS	06340010	2011-11-13			

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USGS	06340010	2011-11-14
USGS	06340010	2011-11-15
USGS	06340010	2011-11-16
USGS	06340010	2011-11-17
USGS	06340010	2011-11-18
USGS	06340010	2011-11-19
USGS	06340010	2011-11-20
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USGS	06340010	2011-11-22
USGS	06340010	2011-11-23
USGS	06340010	2011-11-24
USGS	06340010	2011-11-25
USGS	06340010	2011-11-26
USGS	06340010	2011-11-27
USGS	06340010	2011-11-28
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USGS	06340010	2011-12-02
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USGS	06340010	2011-12-04
USGS	06340010	2011-12-05
USGS	06340010	2011-12-06
USGS	06340010	2011-12-07
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USGS	06340010	2011-12-11
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USGS	06340010	2011-12-17
USGS	06340010	2011-12-18
USGS	06340010	2011-12-19
USGS	06340010	2011-12-20
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USGS	06340010	2011-12-22
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USGS	06340010	2012-01-01
USGS	06340010	2012-01-02
USGS	06340010	2012-01-03
USGS	06340010	2012-01-04
USGS	06340010	2012-01-05
USGS	06340010	2012-01-06

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USGS	06340010	2012-01-07
USGS	06340010	2012-01-08
USGS	06340010	2012-01-09
USGS	06340010	2012-01-10
USGS	06340010	2012-01-11
USGS	06340010	2012-01-12
USGS	06340010	2012-01-13
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USGS	06340010	2012-02-24
USGS	06340010	2012-02-25
USGS	06340010	2012-02-26
USGS	06340010	2012-02-27
USGS	06340010	2012-02-28
USGS	06340010	2012-02-29

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USGS	06340010	2012-03-01		68	P:e
USGS	06340010	2012-03-02		68	P:e
USGS	06340010	2012-03-03	54.48 P	68	P:e
USGS	06340010	2012-03-04	54.40 P	68	P:e
USGS	06340010	2012-03-05		65	P:e
USGS	06340010	2012-03-06	54.38 P	61	P:e
USGS	06340010	2012-03-07		64	P:e
USGS	06340010	2012-03-08		109	P:e
USGS	06340010	2012-03-09	55.08 P	155	P:e
USGS	06340010	2012-03-10	55.39 P	201	P:e
USGS	06340010	2012-03-11	55.99 P	303	P:e
USGS	06340010	2012-03-12	55.87 P	292	P
USGS	06340010	2012-03-13	55.82 P	286	P
USGS	06340010	2012-03-14	55.72 P	273	P
USGS	06340010	2012-03-15	55.57 P	252	P
USGS	06340010	2012-03-16	55.60 P	258	P
USGS	06340010	2012-03-17	55.43 P	234	P
USGS	06340010	2012-03-18	55.28 P	213	P
USGS	06340010	2012-03-19	55.19 P	201	P
USGS	06340010	2012-03-20	55.07 P	187	P
USGS	06340010	2012-03-21	54.94 P	169	P
USGS	06340010	2012-03-22	54.80 P	152	P
USGS	06340010	2012-03-23	54.71 P	141	P
USGS	06340010	2012-03-24	54.62 P	130	P
USGS	06340010	2012-03-25	54.55 P	123	P
USGS	06340010	2012-03-26	54.50 P	116	P
USGS	06340010	2012-03-27	54.49 P	115	P
USGS	06340010	2012-03-28	54.44 P	109	P
USGS	06340010	2012-03-29	54.40 P	105	P
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USGS	06340010	2012-04-03	54.26 P	90	P
USGS	06340010	2012-04-04	54.23 P	86	P
USGS	06340010	2012-04-05	54.20 P	84	P
USGS	06340010	2012-04-06	54.18 P	82	P
USGS	06340010	2012-04-07		81	P:e
USGS	06340010	2012-04-08		83	P:e
USGS	06340010	2012-04-09	54.21 P	84	P
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USGS	06340010	2012-04-12		79	P:e
USGS	06340010	2012-04-13	54.18 P	82	P
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USGS	06340010	2012-04-16	54.11 P	75	P
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USGS	06340010	2012-04-19	54.12 P	76	P
USGS	06340010	2012-04-20	54.18 P	81	P
USGS	06340010	2012-04-21		83	P:e
USGS	06340010	2012-04-22	54.20 P	84	P
USGS	06340010	2012-04-23	54.23 P	87	P

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340010	2012-04-24	54.24 P	88	P
USGS	06340010	2012-04-25	54.20 P	84	P
USGS	06340010	2012-04-26	54.10 P	74	P
USGS	06340010	2012-04-27	54.07 P	70	P
USGS	06340010	2012-04-28	54.24 P	88	P
USGS	06340010	2012-04-29	54.42 P	107	P
USGS	06340010	2012-04-30	54.46 P	113	P
USGS	06340010	2012-05-01	54.55 P	122	P
USGS	06340010	2012-05-02	54.53 P	120	P
USGS	06340010	2012-05-03	54.44 P	109	P
USGS	06340010	2012-05-04	54.42 P	107	P
USGS	06340010	2012-05-05	54.44 P	109	P
USGS	06340010	2012-05-06	54.44 P	110	P
USGS	06340010	2012-05-07		105	P:e
USGS	06340010	2012-05-08	54.44 P	110	P
USGS	06340010	2012-05-09	54.47 P	113	P
USGS	06340010	2012-05-10		105	P:e
USGS	06340010	2012-05-11	54.29 P	93	P
USGS	06340010	2012-05-12	54.20 P	84	P
USGS	06340010	2012-05-13	54.12 P	76	P
USGS	06340010	2012-05-14	54.06 P	70	P
USGS	06340010	2012-05-15	54.02 P	66	P
USGS	06340010	2012-05-16	53.95 P	60	P
USGS	06340010	2012-05-17	53.89 P	54	P
USGS	06340010	2012-05-18	53.85 P	51	P
USGS	06340010	2012-05-19	53.86 P	52	P
USGS	06340010	2012-05-20	53.85 P	51	P
USGS	06340010	2012-05-21	53.81 P	48	P
USGS	06340010	2012-05-22	53.79 P	47	P
USGS	06340010	2012-05-23	53.77 P	45	P
USGS	06340010	2012-05-24		42	P:e
USGS	06340010	2012-05-25	53.71 P	41	P
USGS	06340010	2012-05-26	53.71 P	40	P
USGS	06340010	2012-05-27	53.89 P	56	P
USGS	06340010	2012-05-28	54.11 P	74	P
USGS	06340010	2012-05-29	54.00 P	64	P
USGS	06340010	2012-05-30	53.97 P	62	P
USGS	06340010	2012-05-31	54.04 P	68	P
USGS	06340010	2012-06-01	54.03 P	67	P
USGS	06340010	2012-06-02	54.00 P	65	P
USGS	06340010	2012-06-03	53.99 P	64	P
USGS	06340010	2012-06-04	53.95 P	60	P
USGS	06340010	2012-06-05	53.89 P	55	P
USGS	06340010	2012-06-06	53.86 P	52	P
USGS	06340010	2012-06-07		49	P:e
USGS	06340010	2012-06-08	53.79 P	47	P
USGS	06340010	2012-06-09		44	P:e
USGS	06340010	2012-06-10	53.83 P	50	P
USGS	06340010	2012-06-11		56	P:e
USGS	06340010	2012-06-12	53.90 P	57	P
USGS	06340010	2012-06-13	54.54 P	121	P
USGS	06340010	2012-06-14	54.31 P	95	P
USGS	06340010	2012-06-15	54.12 P	75	P
USGS	06340010	2012-06-16	54.11 P	73	P

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340010	2012-06-17	54.02 P	65	P
USGS	06340010	2012-06-18	53.93 P	56	P
USGS	06340010	2012-06-19	53.86 P	50	P
USGS	06340010	2012-06-20	53.83 P	47	P
USGS	06340010	2012-06-21	53.80 P	44	P
USGS	06340010	2012-06-22	53.77 P	42	P
USGS	06340010	2012-06-23		40	P:e
USGS	06340010	2012-06-24		37	P:e
USGS	06340010	2012-06-25	53.69 P	35	P
USGS	06340010	2012-06-26		34	P:e
USGS	06340010	2012-06-27	53.64 P	31	P
USGS	06340010	2012-06-28		28	P:e
USGS	06340010	2012-06-29	53.57 P	26	P
USGS	06340010	2012-06-30	53.54 P	24	P
USGS	06340010	2012-07-01	53.51 P	23	P
USGS	06340010	2012-07-02	53.47 P	20	P
USGS	06340010	2012-07-03	53.45 P	18	P
USGS	06340010	2012-07-04	53.46 P	19	P
USGS	06340010	2012-07-05	53.42 P	17	P
USGS	06340010	2012-07-06	53.57 P	25	P
USGS	06340010	2012-07-07	53.61 P	28	P
USGS	06340010	2012-07-08	53.58 P	26	P
USGS	06340010	2012-07-09	53.56 P	24	P
USGS	06340010	2012-07-10	53.54 P	24	P
USGS	06340010	2012-07-11	53.53 P	23	P
USGS	06340010	2012-07-12	53.51 P	22	P
USGS	06340010	2012-07-13	53.50 P	21	P
USGS	06340010	2012-07-14	53.50 P	21	P
USGS	06340010	2012-07-15	53.49 P	21	P
USGS	06340010	2012-07-16	53.49 P	21	P
USGS	06340010	2012-07-17	53.49 P	21	P
USGS	06340010	2012-07-18	53.54 P	23	P
USGS	06340010	2012-07-19	53.53 P	23	P
USGS	06340010	2012-07-20	53.49 P	21	P
USGS	06340010	2012-07-21	53.51 P	22	P
USGS	06340010	2012-07-22	53.51 P	22	P
USGS	06340010	2012-07-23	53.49 P	21	P
USGS	06340010	2012-07-24	53.55 P	24	P
USGS	06340010	2012-07-25	53.56 P	24	P
USGS	06340010	2012-07-26	53.56 P	24	P
USGS	06340010	2012-07-27	53.55 P	24	P
USGS	06340010	2012-07-28	53.54 P	23	P
USGS	06340010	2012-07-29	53.53 P	23	P
USGS	06340010	2012-07-30	53.51 P	22	P
USGS	06340010	2012-07-31	53.49 P	21	P
USGS	06340010	2012-08-01	53.50 P	21	P
USGS	06340010	2012-08-02	53.53 P	23	P
USGS	06340010	2012-08-03	53.61 P	28	P
USGS	06340010	2012-08-04	53.60 P	27	P
USGS	06340010	2012-08-05	53.61 P	28	P
USGS	06340010	2012-08-06	53.61 P	27	P
USGS	06340010	2012-08-07	53.59 P	26	P
USGS	06340010	2012-08-08	53.60 P	27	P
USGS	06340010	2012-08-09	53.60 P	27	P

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340010	2012-08-10	53.60	P	27	P
USGS	06340010	2012-08-11	53.62	P	28	P
USGS	06340010	2012-08-12	53.65	P	30	P
USGS	06340010	2012-08-13	53.63	P	29	P
USGS	06340010	2012-08-14	53.60	P	27	P
USGS	06340010	2012-08-15			25	P:e
USGS	06340010	2012-08-16	53.57	P	25	P
USGS	06340010	2012-08-17	53.69	P	33	P
USGS	06340010	2012-08-18	53.67	P	31	P
USGS	06340010	2012-08-19	53.63	P	29	P
USGS	06340010	2012-08-20	53.60	P	27	P
USGS	06340010	2012-08-21	53.58	P	26	P
USGS	06340010	2012-08-22	53.54	P	24	P
USGS	06340010	2012-08-23	53.51	P	22	P
USGS	06340010	2012-08-24	53.49	P	21	P
USGS	06340010	2012-08-25	53.47	P	20	P
USGS	06340010	2012-08-26	53.41	P	Rat	P
USGS	06340010	2012-08-27	53.31	P	Rat	P
USGS	06340010	2012-08-28	53.32	P	Rat	P
USGS	06340010	2012-08-29	53.36	P	Rat	P
USGS	06340010	2012-08-30	53.34	P	Rat	P
USGS	06340010	2012-08-31	53.33	P	Rat	P
USGS	06340010	2012-09-01	53.32	P	Rat	P
USGS	06340010	2012-09-02	53.32	P	Rat	P
USGS	06340010	2012-09-03	53.31	P	Rat	P
USGS	06340010	2012-09-04	53.30	P	Rat	P
USGS	06340010	2012-09-05	53.29	P	Rat	P
USGS	06340010	2012-09-06	53.29	P	Rat	P
USGS	06340010	2012-09-07	53.29	P	Rat	P
USGS	06340010	2012-09-08	53.30	P	Rat	P
USGS	06340010	2012-09-09	53.30	P	Rat	P
USGS	06340010	2012-09-10	53.29	P	Rat	P
USGS	06340010	2012-09-11	53.29	P	Rat	P
USGS	06340010	2012-09-12	53.29	P	Rat	P
USGS	06340010	2012-09-13	53.32	P	Rat	P
USGS	06340010	2012-09-14	53.32	P	Rat	P
USGS	06340010	2012-09-15				
USGS	06340010	2012-09-16	53.30	P	Rat	P
USGS	06340010	2012-09-17	53.30	P	Rat	P
USGS	06340010	2012-09-18	53.32	P	Rat	P
USGS	06340010	2012-09-19	53.30	P	Rat	P
USGS	06340010	2012-09-20	53.31	P	Rat	P
USGS	06340010	2012-09-21	53.31	P	Rat	P
USGS	06340010	2012-09-22	53.31	P	Rat	P
USGS	06340010	2012-09-23	53.32	P	Rat	P
USGS	06340010	2012-09-24	53.32	P	Rat	P
USGS	06340010	2012-09-25	53.33	P	Rat	P
USGS	06340010	2012-09-26	53.33	P	Rat	P
USGS	06340010	2012-09-27	53.34	P	Rat	P
USGS	06340010	2012-09-28	53.35	P	Rat	P
USGS	06340010	2012-09-29	53.38	P	Rat	P
USGS	06340010	2012-09-30	53.37	P	Rat	P
USGS	06340010	2012-10-01	53.37	P	Rat	P
USGS	06340010	2012-10-02	53.36	P	Rat	P

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS 06340010 2012-10-03 53.41 P Rat P

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

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#
#
# US Geological Survey, Water Resources Data
# retrieved: 2012-06-21 01:33:43 EDT      (vaww01)
#
# This file contains USGS Surface-Water Monthly Statistics
#
# Note:The statistics generated from this site are based on approved
daily-mean data and may not match those published by the USGS in official
publications.
# The user is responsible for assessment and use of statistics from this
site.
# For more details on why the statistics may not match, visit
http://waterdata.usgs.gov/nwis/?dv_statistics_disclaimer.
#
# ** No Incomplete data have been used for statistical calculation
#
# This file includes the following columns:
#
#
# agency_cd      agency code
# site_no USGS site number
# parameter_cd
# dd_nu
# year_nu Calendar year for value
# month_nu      Month for value
# mean_va monthly-mean value.
#             if there is not complete record
#             for a month this field is blank
#
#
# Sites in this file include:
# USGS 06340500 KNIFE RIVER AT HAZEN, ND
#
# Explanation of Parameter Code and dd_nu used in the Statistics Data
# parameter_cd  Parameter Name                dd_nu Location
Name
# 00060          Discharge, cubic feet per second          2
# 80155          Suspended sediment discharge, tons per day          5
# 80154          Suspended sediment concentration, milligrams per liter
#             7
# 00065          Gage height, feet          8
#
#
#
agency_cd  site_no      parameter_cd      dd_nu year_nu      month_nu
      mean_va
5s  15s  5s  3n  4s  2s  12n
USGS 06340500 00060 2 1929 4 125.9
USGS 06340500 00060 2 1929 6 191.7
USGS 06340500 00060 2 1929 7 25.9
USGS 06340500 00060 2 1929 8 8.42
USGS 06340500 00060 2 1929 9 6.47
USGS 06340500 00060 2 1929 10 10.0

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Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060	2	1929	11	11.0
USGS	06340500	00060	2	1929	12	7.00
USGS	06340500	00060	2	1930	1	5.00
USGS	06340500	00060	2	1930	2	927.0
USGS	06340500	00060	2	1930	3	1009
USGS	06340500	00060	2	1930	4	202.9
USGS	06340500	00060	2	1930	5	79.0
USGS	06340500	00060	2	1930	6	249.0
USGS	06340500	00060	2	1930	7	18.4
USGS	06340500	00060	2	1930	8	15.0
USGS	06340500	00060	2	1930	9	16.0
USGS	06340500	00060	2	1930	10	14.1
USGS	06340500	00060	2	1930	11	15.0
USGS	06340500	00060	2	1930	12	10.0
USGS	06340500	00060	2	1931	1	10.0
USGS	06340500	00060	2	1931	2	10.0
USGS	06340500	00060	2	1931	3	50.0
USGS	06340500	00060	2	1931	4	40.0
USGS	06340500	00060	2	1931	5	17.0
USGS	06340500	00060	2	1931	6	58.3
USGS	06340500	00060	2	1931	7	39.9
USGS	06340500	00060	2	1931	8	44.7
USGS	06340500	00060	2	1931	9	133.5
USGS	06340500	00060	2	1931	10	24.5
USGS	06340500	00060	2	1931	11	7.73
USGS	06340500	00060	2	1931	12	6.95
USGS	06340500	00060	2	1932	1	5.00
USGS	06340500	00060	2	1932	2	25.2
USGS	06340500	00060	2	1932	3	291.0
USGS	06340500	00060	2	1932	4	139.4
USGS	06340500	00060	2	1932	5	63.3
USGS	06340500	00060	2	1932	6	243.7
USGS	06340500	00060	2	1932	7	18.6
USGS	06340500	00060	2	1932	8	8.17
USGS	06340500	00060	2	1932	9	12.8
USGS	06340500	00060	2	1932	10	17.3
USGS	06340500	00060	2	1932	11	33.4
USGS	06340500	00060	2	1932	12	11.4
USGS	06340500	00060	2	1933	1	6.77
USGS	06340500	00060	2	1933	2	77.5
USGS	06340500	00060	2	1933	3	1191
USGS	06340500	00060	2	1933	4	174.0
USGS	06340500	00060	2	1933	5	114.5
USGS	06340500	00060	2	1933	6	32.4
USGS	06340500	00060	2	1933	7	10.7
USGS	06340500	00060	2	1933	8	2.00
USGS	06340500	00060	2	1933	9	0.500
USGS	06340500	00060	2	1937	9	14.1
USGS	06340500	00060	2	1937	10	16.0
USGS	06340500	00060	2	1937	11	22.2
USGS	06340500	00060	2	1937	12	8.14
USGS	06340500	00060	2	1938	1	7.61
USGS	06340500	00060	2	1938	2	3.03
USGS	06340500	00060	2	1938	3	482.2

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1938	4	70.7
USGS	06340500	00060 2	1938	5	86.6
USGS	06340500	00060 2	1938	6	185.3
USGS	06340500	00060 2	1938	7	978.7
USGS	06340500	00060 2	1938	8	187.3
USGS	06340500	00060 2	1938	9	32.3
USGS	06340500	00060 2	1938	10	29.5
USGS	06340500	00060 2	1938	11	23.7
USGS	06340500	00060 2	1938	12	16.7
USGS	06340500	00060 2	1939	1	13.3
USGS	06340500	00060 2	1939	2	11.7
USGS	06340500	00060 2	1939	3	1474
USGS	06340500	00060 2	1939	4	142.4
USGS	06340500	00060 2	1939	5	66.7
USGS	06340500	00060 2	1939	6	73.8
USGS	06340500	00060 2	1939	7	88.0
USGS	06340500	00060 2	1939	8	33.0
USGS	06340500	00060 2	1939	9	21.8
USGS	06340500	00060 2	1939	10	17.8
USGS	06340500	00060 2	1939	11	20.4
USGS	06340500	00060 2	1939	12	23.2
USGS	06340500	00060 2	1940	1	8.87
USGS	06340500	00060 2	1940	2	8.31
USGS	06340500	00060 2	1940	3	24.7
USGS	06340500	00060 2	1940	4	78.3
USGS	06340500	00060 2	1940	5	87.0
USGS	06340500	00060 2	1940	6	14.6
USGS	06340500	00060 2	1940	7	122.2
USGS	06340500	00060 2	1940	8	21.7
USGS	06340500	00060 2	1940	9	7.63
USGS	06340500	00060 2	1940	10	22.1
USGS	06340500	00060 2	1940	11	12.0
USGS	06340500	00060 2	1940	12	11.0
USGS	06340500	00060 2	1941	1	7.35
USGS	06340500	00060 2	1941	2	6.00
USGS	06340500	00060 2	1941	3	239.2
USGS	06340500	00060 2	1941	4	114.2
USGS	06340500	00060 2	1941	5	91.0
USGS	06340500	00060 2	1941	6	867.9
USGS	06340500	00060 2	1941	7	28.5
USGS	06340500	00060 2	1941	8	22.1
USGS	06340500	00060 2	1941	9	57.4
USGS	06340500	00060 2	1941	10	48.6
USGS	06340500	00060 2	1941	11	20.5
USGS	06340500	00060 2	1941	12	15.0
USGS	06340500	00060 2	1942	1	10.9
USGS	06340500	00060 2	1942	2	11.8
USGS	06340500	00060 2	1942	3	427.7
USGS	06340500	00060 2	1942	4	406.0
USGS	06340500	00060 2	1942	5	95.2
USGS	06340500	00060 2	1942	6	497.7
USGS	06340500	00060 2	1942	7	70.4
USGS	06340500	00060 2	1942	8	43.5
USGS	06340500	00060 2	1942	9	25.1

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060	2	1942	10	22.8
USGS	06340500	00060	2	1942	11	20.0
USGS	06340500	00060	2	1942	12	7.03
USGS	06340500	00060	2	1943	1	6.74
USGS	06340500	00060	2	1943	2	336.2
USGS	06340500	00060	2	1943	3	3228
USGS	06340500	00060	2	1943	4	798.7
USGS	06340500	00060	2	1943	5	94.6
USGS	06340500	00060	2	1943	6	454.6
USGS	06340500	00060	2	1943	7	173.0
USGS	06340500	00060	2	1943	8	82.8
USGS	06340500	00060	2	1943	9	47.6
USGS	06340500	00060	2	1943	10	37.3
USGS	06340500	00060	2	1943	11	54.8
USGS	06340500	00060	2	1943	12	37.4
USGS	06340500	00060	2	1944	1	16.9
USGS	06340500	00060	2	1944	2	19.2
USGS	06340500	00060	2	1944	3	210.9
USGS	06340500	00060	2	1944	4	1307
USGS	06340500	00060	2	1944	5	126.8
USGS	06340500	00060	2	1944	6	1041
USGS	06340500	00060	2	1944	7	234.2
USGS	06340500	00060	2	1944	8	38.1
USGS	06340500	00060	2	1944	9	37.0
USGS	06340500	00060	2	1944	10	35.2
USGS	06340500	00060	2	1944	11	61.2
USGS	06340500	00060	2	1944	12	18.3
USGS	06340500	00060	2	1945	1	17.6
USGS	06340500	00060	2	1945	2	99.4
USGS	06340500	00060	2	1945	3	2113
USGS	06340500	00060	2	1945	4	180.1
USGS	06340500	00060	2	1945	5	72.5
USGS	06340500	00060	2	1945	6	308.0
USGS	06340500	00060	2	1945	7	56.2
USGS	06340500	00060	2	1945	8	35.9
USGS	06340500	00060	2	1945	9	27.0
USGS	06340500	00060	2	1945	10	27.9
USGS	06340500	00060	2	1945	11	28.8
USGS	06340500	00060	2	1945	12	12.5
USGS	06340500	00060	2	1946	1	14.7
USGS	06340500	00060	2	1946	2	112.3
USGS	06340500	00060	2	1946	3	624.2
USGS	06340500	00060	2	1946	4	56.5
USGS	06340500	00060	2	1946	5	29.6
USGS	06340500	00060	2	1946	6	127.5
USGS	06340500	00060	2	1946	7	152.7
USGS	06340500	00060	2	1946	8	15.6
USGS	06340500	00060	2	1946	9	20.5
USGS	06340500	00060	2	1946	10	37.8
USGS	06340500	00060	2	1946	11	26.5
USGS	06340500	00060	2	1946	12	17.3
USGS	06340500	00060	2	1947	1	100.7
USGS	06340500	00060	2	1947	2	295.3
USGS	06340500	00060	2	1947	3	692.6

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1947	4	784.9
USGS	06340500	00060 2	1947	5	56.7
USGS	06340500	00060 2	1947	6	857.2
USGS	06340500	00060 2	1947	7	150.4
USGS	06340500	00060 2	1947	8	80.8
USGS	06340500	00060 2	1947	9	33.5
USGS	06340500	00060 2	1947	10	33.5
USGS	06340500	00060 2	1947	11	31.9
USGS	06340500	00060 2	1947	12	25.8
USGS	06340500	00060 2	1948	1	18.4
USGS	06340500	00060 2	1948	2	19.3
USGS	06340500	00060 2	1948	3	1414
USGS	06340500	00060 2	1948	4	799.8
USGS	06340500	00060 2	1948	5	194.5
USGS	06340500	00060 2	1948	6	299.3
USGS	06340500	00060 2	1948	7	74.5
USGS	06340500	00060 2	1948	8	36.7
USGS	06340500	00060 2	1948	9	20.6
USGS	06340500	00060 2	1948	10	24.1
USGS	06340500	00060 2	1948	11	33.0
USGS	06340500	00060 2	1948	12	19.2
USGS	06340500	00060 2	1949	1	11.2
USGS	06340500	00060 2	1949	2	8.07
USGS	06340500	00060 2	1949	3	148.5
USGS	06340500	00060 2	1949	4	2145
USGS	06340500	00060 2	1949	5	110.5
USGS	06340500	00060 2	1949	6	92.0
USGS	06340500	00060 2	1949	7	54.3
USGS	06340500	00060 2	1949	8	48.0
USGS	06340500	00060 2	1949	9	27.4
USGS	06340500	00060 2	1949	10	33.6
USGS	06340500	00060 2	1949	11	31.9
USGS	06340500	00060 2	1949	12	19.5
USGS	06340500	00060 2	1950	1	9.29
USGS	06340500	00060 2	1950	2	5.57
USGS	06340500	00060 2	1950	3	418.5
USGS	06340500	00060 2	1950	4	3356
USGS	06340500	00060 2	1950	5	461.0
USGS	06340500	00060 2	1950	6	114.8
USGS	06340500	00060 2	1950	7	74.9
USGS	06340500	00060 2	1950	8	54.3
USGS	06340500	00060 2	1950	9	49.5
USGS	06340500	00060 2	1950	10	45.4
USGS	06340500	00060 2	1950	11	35.4
USGS	06340500	00060 2	1950	12	30.0
USGS	06340500	00060 2	1951	1	30.0
USGS	06340500	00060 2	1951	2	22.1
USGS	06340500	00060 2	1951	3	708.9
USGS	06340500	00060 2	1951	4	1766
USGS	06340500	00060 2	1951	5	140.5
USGS	06340500	00060 2	1951	6	132.0
USGS	06340500	00060 2	1951	7	76.1
USGS	06340500	00060 2	1951	8	117.3
USGS	06340500	00060 2	1951	9	80.2

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1951	10	46.2
USGS	06340500	00060 2	1951	11	36.0
USGS	06340500	00060 2	1951	12	30.2
USGS	06340500	00060 2	1952	1	17.3
USGS	06340500	00060 2	1952	2	30.7
USGS	06340500	00060 2	1952	3	42.5
USGS	06340500	00060 2	1952	4	4293
USGS	06340500	00060 2	1952	5	123.8
USGS	06340500	00060 2	1952	6	98.0
USGS	06340500	00060 2	1952	7	107.5
USGS	06340500	00060 2	1952	8	54.6
USGS	06340500	00060 2	1952	9	42.6
USGS	06340500	00060 2	1952	10	31.8
USGS	06340500	00060 2	1952	11	36.2
USGS	06340500	00060 2	1952	12	30.8
USGS	06340500	00060 2	1953	1	23.5
USGS	06340500	00060 2	1953	2	29.2
USGS	06340500	00060 2	1953	3	188.5
USGS	06340500	00060 2	1953	4	78.1
USGS	06340500	00060 2	1953	5	187.7
USGS	06340500	00060 2	1953	6	669.0
USGS	06340500	00060 2	1953	7	73.7
USGS	06340500	00060 2	1953	8	37.2
USGS	06340500	00060 2	1953	9	20.9
USGS	06340500	00060 2	1953	10	22.5
USGS	06340500	00060 2	1953	11	24.9
USGS	06340500	00060 2	1953	12	25.2
USGS	06340500	00060 2	1954	1	17.4
USGS	06340500	00060 2	1954	2	411.1
USGS	06340500	00060 2	1954	3	157.4
USGS	06340500	00060 2	1954	4	700.6
USGS	06340500	00060 2	1954	5	65.6
USGS	06340500	00060 2	1954	6	122.0
USGS	06340500	00060 2	1954	7	28.8
USGS	06340500	00060 2	1954	8	214.9
USGS	06340500	00060 2	1954	9	123.4
USGS	06340500	00060 2	1954	10	29.5
USGS	06340500	00060 2	1954	11	31.0
USGS	06340500	00060 2	1954	12	29.2
USGS	06340500	00060 2	1955	1	19.4
USGS	06340500	00060 2	1955	2	24.5
USGS	06340500	00060 2	1955	3	310.1
USGS	06340500	00060 2	1955	4	243.3
USGS	06340500	00060 2	1955	5	43.8
USGS	06340500	00060 2	1955	6	52.3
USGS	06340500	00060 2	1955	7	48.2
USGS	06340500	00060 2	1955	8	18.7
USGS	06340500	00060 2	1955	9	16.3
USGS	06340500	00060 2	1955	10	12.8
USGS	06340500	00060 2	1955	11	15.4
USGS	06340500	00060 2	1955	12	10.0
USGS	06340500	00060 2	1956	1	5.77
USGS	06340500	00060 2	1956	2	4.00
USGS	06340500	00060 2	1956	3	942.3

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1956	4	168.8
USGS	06340500	00060 2	1956	5	59.9
USGS	06340500	00060 2	1956	6	113.1
USGS	06340500	00060 2	1956	7	54.9
USGS	06340500	00060 2	1956	8	32.3
USGS	06340500	00060 2	1956	9	19.7
USGS	06340500	00060 2	1956	10	16.8
USGS	06340500	00060 2	1956	11	21.2
USGS	06340500	00060 2	1956	12	15.4
USGS	06340500	00060 2	1957	1	11.9
USGS	06340500	00060 2	1957	2	52.1
USGS	06340500	00060 2	1957	3	424.3
USGS	06340500	00060 2	1957	4	97.4
USGS	06340500	00060 2	1957	5	49.3
USGS	06340500	00060 2	1957	6	224.5
USGS	06340500	00060 2	1957	7	100.5
USGS	06340500	00060 2	1957	8	14.6
USGS	06340500	00060 2	1957	9	14.0
USGS	06340500	00060 2	1957	10	17.1
USGS	06340500	00060 2	1957	11	18.7
USGS	06340500	00060 2	1957	12	21.0
USGS	06340500	00060 2	1958	1	15.9
USGS	06340500	00060 2	1958	2	13.1
USGS	06340500	00060 2	1958	3	355.1
USGS	06340500	00060 2	1958	4	222.8
USGS	06340500	00060 2	1958	5	21.0
USGS	06340500	00060 2	1958	6	17.1
USGS	06340500	00060 2	1958	7	206.4
USGS	06340500	00060 2	1958	8	8.61
USGS	06340500	00060 2	1958	9	6.24
USGS	06340500	00060 2	1958	10	9.31
USGS	06340500	00060 2	1958	11	18.7
USGS	06340500	00060 2	1958	12	7.50
USGS	06340500	00060 2	1959	1	3.29
USGS	06340500	00060 2	1959	2	0.518
USGS	06340500	00060 2	1959	3	1123
USGS	06340500	00060 2	1959	4	181.4
USGS	06340500	00060 2	1959	5	33.7
USGS	06340500	00060 2	1959	6	34.4
USGS	06340500	00060 2	1959	7	25.2
USGS	06340500	00060 2	1959	8	6.09
USGS	06340500	00060 2	1959	9	20.2
USGS	06340500	00060 2	1959	10	29.0
USGS	06340500	00060 2	1959	11	15.5
USGS	06340500	00060 2	1959	12	16.6
USGS	06340500	00060 2	1960	1	7.81
USGS	06340500	00060 2	1960	2	7.31
USGS	06340500	00060 2	1960	3	1398
USGS	06340500	00060 2	1960	4	162.2
USGS	06340500	00060 2	1960	5	35.0
USGS	06340500	00060 2	1960	6	62.5
USGS	06340500	00060 2	1960	7	30.8
USGS	06340500	00060 2	1960	8	26.2
USGS	06340500	00060 2	1960	9	13.2

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1960	10	9.49
USGS	06340500	00060 2	1960	11	13.6
USGS	06340500	00060 2	1960	12	9.39
USGS	06340500	00060 2	1961	1	8.13
USGS	06340500	00060 2	1961	2	31.0
USGS	06340500	00060 2	1961	3	169.0
USGS	06340500	00060 2	1961	4	31.7
USGS	06340500	00060 2	1961	5	29.4
USGS	06340500	00060 2	1961	6	8.70
USGS	06340500	00060 2	1961	7	10.5
USGS	06340500	00060 2	1961	8	14.2
USGS	06340500	00060 2	1961	9	6.12
USGS	06340500	00060 2	1961	10	6.39
USGS	06340500	00060 2	1961	11	7.71
USGS	06340500	00060 2	1961	12	3.79
USGS	06340500	00060 2	1962	1	0.703
USGS	06340500	00060 2	1962	2	0.000
USGS	06340500	00060 2	1962	3	170.0
USGS	06340500	00060 2	1962	4	66.9
USGS	06340500	00060 2	1962	5	312.8
USGS	06340500	00060 2	1962	6	632.5
USGS	06340500	00060 2	1962	7	327.1
USGS	06340500	00060 2	1962	8	59.6
USGS	06340500	00060 2	1962	9	23.1
USGS	06340500	00060 2	1962	10	18.7
USGS	06340500	00060 2	1962	11	20.7
USGS	06340500	00060 2	1962	12	18.9
USGS	06340500	00060 2	1963	1	5.47
USGS	06340500	00060 2	1963	2	11.3
USGS	06340500	00060 2	1963	3	120.5
USGS	06340500	00060 2	1963	4	98.8
USGS	06340500	00060 2	1963	5	107.8
USGS	06340500	00060 2	1963	6	235.7
USGS	06340500	00060 2	1963	7	96.0
USGS	06340500	00060 2	1963	8	71.2
USGS	06340500	00060 2	1963	9	21.0
USGS	06340500	00060 2	1963	10	13.0
USGS	06340500	00060 2	1963	11	19.2
USGS	06340500	00060 2	1963	12	10.5
USGS	06340500	00060 2	1964	1	5.03
USGS	06340500	00060 2	1964	2	8.00
USGS	06340500	00060 2	1964	3	13.6
USGS	06340500	00060 2	1964	4	72.4
USGS	06340500	00060 2	1964	5	81.7
USGS	06340500	00060 2	1964	6	393.9
USGS	06340500	00060 2	1964	7	217.0
USGS	06340500	00060 2	1964	8	14.4
USGS	06340500	00060 2	1964	9	57.3
USGS	06340500	00060 2	1964	10	15.0
USGS	06340500	00060 2	1964	11	18.4
USGS	06340500	00060 2	1964	12	12.6
USGS	06340500	00060 2	1965	1	8.00
USGS	06340500	00060 2	1965	2	8.68
USGS	06340500	00060 2	1965	3	11.6

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1965	4	1021
USGS	06340500	00060 2	1965	5	484.6
USGS	06340500	00060 2	1965	6	303.9
USGS	06340500	00060 2	1965	7	225.1
USGS	06340500	00060 2	1965	8	47.9
USGS	06340500	00060 2	1965	9	38.8
USGS	06340500	00060 2	1965	10	26.2
USGS	06340500	00060 2	1965	11	25.6
USGS	06340500	00060 2	1965	12	19.6
USGS	06340500	00060 2	1966	1	7.00
USGS	06340500	00060 2	1966	2	3.71
USGS	06340500	00060 2	1966	3	937.9
USGS	06340500	00060 2	1966	4	71.7
USGS	06340500	00060 2	1966	5	52.9
USGS	06340500	00060 2	1966	6	755.2
USGS	06340500	00060 2	1966	7	286.8
USGS	06340500	00060 2	1966	8	109.5
USGS	06340500	00060 2	1966	9	22.0
USGS	06340500	00060 2	1966	10	20.9
USGS	06340500	00060 2	1966	11	13.3
USGS	06340500	00060 2	1966	12	14.4
USGS	06340500	00060 2	1967	1	12.3
USGS	06340500	00060 2	1967	2	11.3
USGS	06340500	00060 2	1967	3	2001
USGS	06340500	00060 2	1967	4	647.0
USGS	06340500	00060 2	1967	5	719.6
USGS	06340500	00060 2	1967	6	208.3
USGS	06340500	00060 2	1967	7	52.3
USGS	06340500	00060 2	1967	8	31.1
USGS	06340500	00060 2	1967	9	31.6
USGS	06340500	00060 2	1967	10	31.9
USGS	06340500	00060 2	1967	11	32.0
USGS	06340500	00060 2	1967	12	28.7
USGS	06340500	00060 2	1968	1	6.12
USGS	06340500	00060 2	1968	2	8.20
USGS	06340500	00060 2	1968	3	406.0
USGS	06340500	00060 2	1968	4	75.5
USGS	06340500	00060 2	1968	5	48.0
USGS	06340500	00060 2	1968	6	70.0
USGS	06340500	00060 2	1968	7	23.4
USGS	06340500	00060 2	1968	8	80.6
USGS	06340500	00060 2	1968	9	28.5
USGS	06340500	00060 2	1968	10	20.3
USGS	06340500	00060 2	1968	11	31.0
USGS	06340500	00060 2	1968	12	20.2
USGS	06340500	00060 2	1969	1	7.15
USGS	06340500	00060 2	1969	2	10.4
USGS	06340500	00060 2	1969	3	295.1
USGS	06340500	00060 2	1969	4	2367
USGS	06340500	00060 2	1969	5	89.8
USGS	06340500	00060 2	1969	6	73.8
USGS	06340500	00060 2	1969	7	521.0
USGS	06340500	00060 2	1969	8	98.6
USGS	06340500	00060 2	1969	9	32.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1969	10	34.7
USGS	06340500	00060 2	1969	11	35.7
USGS	06340500	00060 2	1969	12	31.7
USGS	06340500	00060 2	1970	1	17.2
USGS	06340500	00060 2	1970	2	22.7
USGS	06340500	00060 2	1970	3	59.8
USGS	06340500	00060 2	1970	4	619.0
USGS	06340500	00060 2	1970	5	1530.
USGS	06340500	00060 2	1970	6	360.5
USGS	06340500	00060 2	1970	7	154.5
USGS	06340500	00060 2	1970	8	89.1
USGS	06340500	00060 2	1970	9	46.9
USGS	06340500	00060 2	1970	10	50.3
USGS	06340500	00060 2	1970	11	50.2
USGS	06340500	00060 2	1970	12	31.9
USGS	06340500	00060 2	1971	1	18.5
USGS	06340500	00060 2	1971	2	145.6
USGS	06340500	00060 2	1971	3	1345
USGS	06340500	00060 2	1971	4	557.2
USGS	06340500	00060 2	1971	5	111.8
USGS	06340500	00060 2	1971	6	713.9
USGS	06340500	00060 2	1971	7	81.7
USGS	06340500	00060 2	1971	8	20.9
USGS	06340500	00060 2	1971	9	50.5
USGS	06340500	00060 2	1971	10	89.7
USGS	06340500	00060 2	1971	11	15.7
USGS	06340500	00060 2	1971	12	15.7
USGS	06340500	00060 2	1972	1	22.8
USGS	06340500	00060 2	1972	2	28.1
USGS	06340500	00060 2	1972	3	3078
USGS	06340500	00060 2	1972	4	260.1
USGS	06340500	00060 2	1972	5	364.8
USGS	06340500	00060 2	1972	6	446.0
USGS	06340500	00060 2	1972	7	90.2
USGS	06340500	00060 2	1972	8	105.5
USGS	06340500	00060 2	1972	9	43.5
USGS	06340500	00060 2	1972	10	64.1
USGS	06340500	00060 2	1972	11	62.4
USGS	06340500	00060 2	1972	12	29.0
USGS	06340500	00060 2	1973	1	64.4
USGS	06340500	00060 2	1973	2	166.7
USGS	06340500	00060 2	1973	3	871.5
USGS	06340500	00060 2	1973	4	107.2
USGS	06340500	00060 2	1973	5	68.5
USGS	06340500	00060 2	1973	6	64.7
USGS	06340500	00060 2	1973	7	22.4
USGS	06340500	00060 2	1973	8	17.5
USGS	06340500	00060 2	1973	9	18.7
USGS	06340500	00060 2	1973	10	21.1
USGS	06340500	00060 2	1973	11	29.9
USGS	06340500	00060 2	1973	12	22.7
USGS	06340500	00060 2	1974	1	144.8
USGS	06340500	00060 2	1974	2	228.6
USGS	06340500	00060 2	1974	3	359.8

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1974	4	194.1
USGS	06340500	00060 2	1974	5	132.5
USGS	06340500	00060 2	1974	6	65.6
USGS	06340500	00060 2	1974	7	19.0
USGS	06340500	00060 2	1974	8	17.1
USGS	06340500	00060 2	1974	9	12.5
USGS	06340500	00060 2	1974	10	14.7
USGS	06340500	00060 2	1974	11	23.2
USGS	06340500	00060 2	1974	12	21.6
USGS	06340500	00060 2	1975	1	13.8
USGS	06340500	00060 2	1975	2	9.57
USGS	06340500	00060 2	1975	3	45.9
USGS	06340500	00060 2	1975	4	1881
USGS	06340500	00060 2	1975	5	772.7
USGS	06340500	00060 2	1975	6	271.4
USGS	06340500	00060 2	1975	7	107.5
USGS	06340500	00060 2	1975	8	46.0
USGS	06340500	00060 2	1975	9	27.3
USGS	06340500	00060 2	1975	10	40.6
USGS	06340500	00060 2	1975	11	40.6
USGS	06340500	00060 2	1975	12	38.3
USGS	06340500	00060 2	1976	1	35.2
USGS	06340500	00060 2	1976	2	247.4
USGS	06340500	00060 2	1976	3	521.4
USGS	06340500	00060 2	1976	4	147.0
USGS	06340500	00060 2	1976	5	57.3
USGS	06340500	00060 2	1976	6	107.8
USGS	06340500	00060 2	1976	7	31.7
USGS	06340500	00060 2	1976	8	18.7
USGS	06340500	00060 2	1976	9	53.8
USGS	06340500	00060 2	1976	10	21.0
USGS	06340500	00060 2	1976	11	21.5
USGS	06340500	00060 2	1976	12	17.5
USGS	06340500	00060 2	1977	1	12.8
USGS	06340500	00060 2	1977	2	19.8
USGS	06340500	00060 2	1977	3	243.4
USGS	06340500	00060 2	1977	4	107.3
USGS	06340500	00060 2	1977	5	42.3
USGS	06340500	00060 2	1977	6	253.1
USGS	06340500	00060 2	1977	7	45.1
USGS	06340500	00060 2	1977	8	14.1
USGS	06340500	00060 2	1977	9	85.6
USGS	06340500	00060 2	1977	10	70.7
USGS	06340500	00060 2	1977	11	23.7
USGS	06340500	00060 2	1977	12	28.5
USGS	06340500	00060 2	1978	1	19.6
USGS	06340500	00060 2	1978	2	14.2
USGS	06340500	00060 2	1978	3	2139
USGS	06340500	00060 2	1978	4	908.4
USGS	06340500	00060 2	1978	5	323.5
USGS	06340500	00060 2	1978	6	112.5
USGS	06340500	00060 2	1978	7	127.0
USGS	06340500	00060 2	1978	8	37.2
USGS	06340500	00060 2	1978	9	142.8

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1978	10	43.2
USGS	06340500	00060 2	1978	11	38.1
USGS	06340500	00060 2	1978	12	28.2
USGS	06340500	00060 2	1979	1	25.6
USGS	06340500	00060 2	1979	2	21.2
USGS	06340500	00060 2	1979	3	434.2
USGS	06340500	00060 2	1979	4	1270.
USGS	06340500	00060 2	1979	5	142.4
USGS	06340500	00060 2	1979	6	158.6
USGS	06340500	00060 2	1979	7	69.7
USGS	06340500	00060 2	1979	8	36.2
USGS	06340500	00060 2	1979	9	29.1
USGS	06340500	00060 2	1979	10	25.5
USGS	06340500	00060 2	1979	11	31.3
USGS	06340500	00060 2	1979	12	26.2
USGS	06340500	00060 2	1980	1	18.9
USGS	06340500	00060 2	1980	2	19.2
USGS	06340500	00060 2	1980	3	126.2
USGS	06340500	00060 2	1980	4	95.8
USGS	06340500	00060 2	1980	5	26.5
USGS	06340500	00060 2	1980	6	162.5
USGS	06340500	00060 2	1980	7	18.7
USGS	06340500	00060 2	1980	8	15.9
USGS	06340500	00060 2	1980	9	18.4
USGS	06340500	00060 2	1980	10	46.1
USGS	06340500	00060 2	1980	11	28.8
USGS	06340500	00060 2	1980	12	17.7
USGS	06340500	00060 2	1981	1	19.5
USGS	06340500	00060 2	1981	2	176.0
USGS	06340500	00060 2	1981	3	106.7
USGS	06340500	00060 2	1981	4	26.3
USGS	06340500	00060 2	1981	5	20.5
USGS	06340500	00060 2	1981	6	44.2
USGS	06340500	00060 2	1981	7	38.6
USGS	06340500	00060 2	1981	8	84.3
USGS	06340500	00060 2	1981	9	48.0
USGS	06340500	00060 2	1981	10	19.3
USGS	06340500	00060 2	1981	11	20.8
USGS	06340500	00060 2	1981	12	14.2
USGS	06340500	00060 2	1982	1	10.4
USGS	06340500	00060 2	1982	2	291.6
USGS	06340500	00060 2	1982	3	1416
USGS	06340500	00060 2	1982	4	1867
USGS	06340500	00060 2	1982	5	180.6
USGS	06340500	00060 2	1982	6	714.5
USGS	06340500	00060 2	1982	7	210.7
USGS	06340500	00060 2	1982	8	64.8
USGS	06340500	00060 2	1982	9	34.7
USGS	06340500	00060 2	1982	10	364.9
USGS	06340500	00060 2	1982	11	222.8
USGS	06340500	00060 2	1982	12	83.1
USGS	06340500	00060 2	1983	1	83.5
USGS	06340500	00060 2	1983	2	212.9
USGS	06340500	00060 2	1983	3	1074

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1983	4	202.0
USGS	06340500	00060 2	1983	5	172.8
USGS	06340500	00060 2	1983	6	193.4
USGS	06340500	00060 2	1983	7	129.2
USGS	06340500	00060 2	1983	8	83.6
USGS	06340500	00060 2	1983	9	35.6
USGS	06340500	00060 2	1983	10	41.5
USGS	06340500	00060 2	1983	11	38.3
USGS	06340500	00060 2	1983	12	23.2
USGS	06340500	00060 2	1984	1	29.8
USGS	06340500	00060 2	1984	2	391.6
USGS	06340500	00060 2	1984	3	396.4
USGS	06340500	00060 2	1984	4	159.0
USGS	06340500	00060 2	1984	5	455.7
USGS	06340500	00060 2	1984	6	352.9
USGS	06340500	00060 2	1984	7	53.8
USGS	06340500	00060 2	1984	8	31.8
USGS	06340500	00060 2	1984	9	20.5
USGS	06340500	00060 2	1984	10	39.0
USGS	06340500	00060 2	1984	11	35.8
USGS	06340500	00060 2	1984	12	23.3
USGS	06340500	00060 2	1985	1	11.6
USGS	06340500	00060 2	1985	2	53.2
USGS	06340500	00060 2	1985	3	294.2
USGS	06340500	00060 2	1985	4	97.2
USGS	06340500	00060 2	1985	5	184.1
USGS	06340500	00060 2	1985	6	53.2
USGS	06340500	00060 2	1985	7	22.1
USGS	06340500	00060 2	1985	8	34.0
USGS	06340500	00060 2	1985	9	20.4
USGS	06340500	00060 2	1985	10	50.7
USGS	06340500	00060 2	1985	11	25.7
USGS	06340500	00060 2	1985	12	25.9
USGS	06340500	00060 2	1986	1	30.2
USGS	06340500	00060 2	1986	2	184.8
USGS	06340500	00060 2	1986	3	1675
USGS	06340500	00060 2	1986	4	196.3
USGS	06340500	00060 2	1986	5	393.3
USGS	06340500	00060 2	1986	6	89.8
USGS	06340500	00060 2	1986	7	175.6
USGS	06340500	00060 2	1986	8	40.5
USGS	06340500	00060 2	1986	9	100.6
USGS	06340500	00060 2	1986	10	112.5
USGS	06340500	00060 2	1986	11	56.1
USGS	06340500	00060 2	1986	12	51.7
USGS	06340500	00060 2	1987	1	44.7
USGS	06340500	00060 2	1987	2	97.1
USGS	06340500	00060 2	1987	3	1619
USGS	06340500	00060 2	1987	4	389.0
USGS	06340500	00060 2	1987	5	92.3
USGS	06340500	00060 2	1987	6	56.6
USGS	06340500	00060 2	1987	7	115.7
USGS	06340500	00060 2	1987	8	110.5
USGS	06340500	00060 2	1987	9	37.3

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1987	10	38.2
USGS	06340500	00060 2	1987	11	46.9
USGS	06340500	00060 2	1987	12	30.6
USGS	06340500	00060 2	1988	1	11.7
USGS	06340500	00060 2	1988	2	33.9
USGS	06340500	00060 2	1988	3	178.9
USGS	06340500	00060 2	1988	4	71.3
USGS	06340500	00060 2	1988	5	67.0
USGS	06340500	00060 2	1988	6	20.1
USGS	06340500	00060 2	1988	7	22.0
USGS	06340500	00060 2	1988	8	9.12
USGS	06340500	00060 2	1988	9	14.2
USGS	06340500	00060 2	1988	10	16.5
USGS	06340500	00060 2	1988	11	21.9
USGS	06340500	00060 2	1988	12	23.5
USGS	06340500	00060 2	1989	1	16.8
USGS	06340500	00060 2	1989	2	10.9
USGS	06340500	00060 2	1989	3	234.4
USGS	06340500	00060 2	1989	4	186.6
USGS	06340500	00060 2	1989	5	96.0
USGS	06340500	00060 2	1989	6	60.9
USGS	06340500	00060 2	1989	7	44.9
USGS	06340500	00060 2	1989	8	11.7
USGS	06340500	00060 2	1989	9	15.3
USGS	06340500	00060 2	1989	10	11.8
USGS	06340500	00060 2	1989	11	15.1
USGS	06340500	00060 2	1989	12	14.7
USGS	06340500	00060 2	1990	1	14.1
USGS	06340500	00060 2	1990	2	15.7
USGS	06340500	00060 2	1990	3	42.2
USGS	06340500	00060 2	1990	4	29.0
USGS	06340500	00060 2	1990	5	50.0
USGS	06340500	00060 2	1990	6	105.9
USGS	06340500	00060 2	1990	7	51.9
USGS	06340500	00060 2	1990	8	65.3
USGS	06340500	00060 2	1990	9	32.3
USGS	06340500	00060 2	1990	10	15.6
USGS	06340500	00060 2	1990	11	16.6
USGS	06340500	00060 2	1990	12	12.0
USGS	06340500	00060 2	1991	1	8.51
USGS	06340500	00060 2	1991	2	20.2
USGS	06340500	00060 2	1991	3	53.7
USGS	06340500	00060 2	1991	4	38.6
USGS	06340500	00060 2	1991	5	25.7
USGS	06340500	00060 2	1991	6	27.4
USGS	06340500	00060 2	1991	7	14.9
USGS	06340500	00060 2	1991	8	12.4
USGS	06340500	00060 2	1991	9	14.5
USGS	06340500	00060 2	1991	10	13.4
USGS	06340500	00060 2	1991	11	23.4
USGS	06340500	00060 2	1991	12	8.60
USGS	06340500	00060 2	1992	1	9.89
USGS	06340500	00060 2	1992	2	34.4
USGS	06340500	00060 2	1992	3	104.5

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1992	4	30.0
USGS	06340500	00060 2	1992	5	18.3
USGS	06340500	00060 2	1992	6	13.4
USGS	06340500	00060 2	1992	7	13.7
USGS	06340500	00060 2	1992	8	7.37
USGS	06340500	00060 2	1992	9	5.45
USGS	06340500	00060 2	1992	10	7.26
USGS	06340500	00060 2	1992	11	16.1
USGS	06340500	00060 2	1992	12	10.1
USGS	06340500	00060 2	1993	1	7.26
USGS	06340500	00060 2	1993	2	8.70
USGS	06340500	00060 2	1993	3	380.8
USGS	06340500	00060 2	1993	4	54.7
USGS	06340500	00060 2	1993	5	26.0
USGS	06340500	00060 2	1993	6	75.5
USGS	06340500	00060 2	1993	7	827.5
USGS	06340500	00060 2	1993	8	135.3
USGS	06340500	00060 2	1993	9	22.5
USGS	06340500	00060 2	1993	10	21.9
USGS	06340500	00060 2	1993	11	26.2
USGS	06340500	00060 2	1993	12	28.1
USGS	06340500	00060 2	1994	1	21.8
USGS	06340500	00060 2	1994	2	18.1
USGS	06340500	00060 2	1994	3	625.1
USGS	06340500	00060 2	1994	4	126.9
USGS	06340500	00060 2	1994	5	53.7
USGS	06340500	00060 2	1994	6	112.7
USGS	06340500	00060 2	1994	7	31.3
USGS	06340500	00060 2	1994	8	14.4
USGS	06340500	00060 2	1994	9	29.3
USGS	06340500	00060 2	1994	10	238.4
USGS	06340500	00060 2	1994	11	39.9
USGS	06340500	00060 2	1994	12	21.9
USGS	06340500	00060 2	1995	1	18.4
USGS	06340500	00060 2	1995	2	505.3
USGS	06340500	00060 2	1995	3	508.2
USGS	06340500	00060 2	1995	4	126.2
USGS	06340500	00060 2	1995	5	329.8
USGS	06340500	00060 2	1995	6	85.4
USGS	06340500	00060 2	1995	7	130.7
USGS	06340500	00060 2	1995	8	54.1
USGS	06340500	00060 2	1995	9	42.9
USGS	06340500	00060 2	1995	10	35.6
USGS	06340500	00060 2	1995	11	40.5
USGS	06340500	00060 2	1995	12	33.9
USGS	06340500	00060 2	1996	1	21.7
USGS	06340500	00060 2	1996	2	644.8
USGS	06340500	00060 2	1996	3	643.4
USGS	06340500	00060 2	1996	4	575.5
USGS	06340500	00060 2	1996	5	113.9
USGS	06340500	00060 2	1996	6	73.8
USGS	06340500	00060 2	1996	7	51.0
USGS	06340500	00060 2	1996	8	30.7
USGS	06340500	00060 2	1996	9	25.8

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	1996	10	34.5
USGS	06340500	00060 2	1996	11	32.0
USGS	06340500	00060 2	1996	12	18.3
USGS	06340500	00060 2	1997	1	13.7
USGS	06340500	00060 2	1997	2	19.1
USGS	06340500	00060 2	1997	3	2780.
USGS	06340500	00060 2	1997	4	863.8
USGS	06340500	00060 2	1997	5	175.6
USGS	06340500	00060 2	1997	6	87.3
USGS	06340500	00060 2	1997	7	317.8
USGS	06340500	00060 2	1997	8	57.5
USGS	06340500	00060 2	1997	9	40.1
USGS	06340500	00060 2	1997	10	41.0
USGS	06340500	00060 2	1997	11	39.2
USGS	06340500	00060 2	1997	12	59.2
USGS	06340500	00060 2	1998	1	41.8
USGS	06340500	00060 2	1998	2	36.5
USGS	06340500	00060 2	1998	3	110.1
USGS	06340500	00060 2	1998	4	189.5
USGS	06340500	00060 2	1998	5	53.5
USGS	06340500	00060 2	1998	6	183.4
USGS	06340500	00060 2	1998	7	44.2
USGS	06340500	00060 2	1998	8	60.5
USGS	06340500	00060 2	1998	9	28.4
USGS	06340500	00060 2	1998	10	79.1
USGS	06340500	00060 2	1998	11	61.2
USGS	06340500	00060 2	1998	12	45.9
USGS	06340500	00060 2	1999	1	22.3
USGS	06340500	00060 2	1999	2	66.2
USGS	06340500	00060 2	1999	3	1294
USGS	06340500	00060 2	1999	4	225.7
USGS	06340500	00060 2	1999	5	364.0
USGS	06340500	00060 2	1999	6	82.1
USGS	06340500	00060 2	1999	7	49.8
USGS	06340500	00060 2	1999	8	125.5
USGS	06340500	00060 2	1999	9	49.5
USGS	06340500	00060 2	1999	10	42.9
USGS	06340500	00060 2	1999	11	43.7
USGS	06340500	00060 2	1999	12	39.7
USGS	06340500	00060 2	2000	1	36.2
USGS	06340500	00060 2	2000	2	183.1
USGS	06340500	00060 2	2000	3	175.9
USGS	06340500	00060 2	2000	4	81.0
USGS	06340500	00060 2	2000	5	70.5
USGS	06340500	00060 2	2000	6	60.7
USGS	06340500	00060 2	2000	7	53.2
USGS	06340500	00060 2	2000	8	20.8
USGS	06340500	00060 2	2000	9	20.3
USGS	06340500	00060 2	2000	10	28.3
USGS	06340500	00060 2	2000	11	61.7
USGS	06340500	00060 2	2000	12	28.4
USGS	06340500	00060 2	2001	1	21.9
USGS	06340500	00060 2	2001	2	18.2
USGS	06340500	00060 2	2001	3	943.7

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	2001	4	262.7
USGS	06340500	00060 2	2001	5	61.9
USGS	06340500	00060 2	2001	6	355.5
USGS	06340500	00060 2	2001	7	125.0
USGS	06340500	00060 2	2001	8	62.2
USGS	06340500	00060 2	2001	9	29.5
USGS	06340500	00060 2	2001	10	33.3
USGS	06340500	00060 2	2001	11	37.4
USGS	06340500	00060 2	2001	12	31.1
USGS	06340500	00060 2	2002	1	24.4
USGS	06340500	00060 2	2002	2	24.0
USGS	06340500	00060 2	2002	3	57.5
USGS	06340500	00060 2	2002	4	139.4
USGS	06340500	00060 2	2002	5	73.5
USGS	06340500	00060 2	2002	6	228.3
USGS	06340500	00060 2	2002	7	50.8
USGS	06340500	00060 2	2002	8	62.6
USGS	06340500	00060 2	2002	9	30.5
USGS	06340500	00060 2	2002	10	37.4
USGS	06340500	00060 2	2002	11	46.3
USGS	06340500	00060 2	2002	12	34.6
USGS	06340500	00060 2	2003	1	21.1
USGS	06340500	00060 2	2003	2	12.5
USGS	06340500	00060 2	2003	3	813.4
USGS	06340500	00060 2	2003	4	83.0
USGS	06340500	00060 2	2003	5	106.2
USGS	06340500	00060 2	2003	6	55.8
USGS	06340500	00060 2	2003	7	24.2
USGS	06340500	00060 2	2003	8	12.7
USGS	06340500	00060 2	2003	9	18.3
USGS	06340500	00060 2	2003	10	19.1
USGS	06340500	00060 2	2003	11	27.4
USGS	06340500	00060 2	2003	12	21.4
USGS	06340500	00060 2	2004	1	16.1
USGS	06340500	00060 2	2004	2	23.6
USGS	06340500	00060 2	2004	3	1042
USGS	06340500	00060 2	2004	4	102.7
USGS	06340500	00060 2	2004	5	41.0
USGS	06340500	00060 2	2004	6	32.9
USGS	06340500	00060 2	2004	7	20.0
USGS	06340500	00060 2	2004	8	17.2
USGS	06340500	00060 2	2004	9	16.4
USGS	06340500	00060 2	2004	10	20.9
USGS	06340500	00060 2	2004	11	36.9
USGS	06340500	00060 2	2004	12	28.0
USGS	06340500	00060 2	2005	1	16.5
USGS	06340500	00060 2	2005	2	23.0
USGS	06340500	00060 2	2005	3	138.6
USGS	06340500	00060 2	2005	4	87.0
USGS	06340500	00060 2	2005	5	134.4
USGS	06340500	00060 2	2005	6	334.4
USGS	06340500	00060 2	2005	7	180.0
USGS	06340500	00060 2	2005	8	33.2
USGS	06340500	00060 2	2005	9	19.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	2005	10	40.1
USGS	06340500	00060 2	2005	11	45.1
USGS	06340500	00060 2	2005	12	31.3
USGS	06340500	00060 2	2006	1	35.0
USGS	06340500	00060 2	2006	2	32.8
USGS	06340500	00060 2	2006	3	84.0
USGS	06340500	00060 2	2006	4	162.9
USGS	06340500	00060 2	2006	5	40.3
USGS	06340500	00060 2	2006	6	27.3
USGS	06340500	00060 2	2006	7	10.5
USGS	06340500	00060 2	2006	8	14.5
USGS	06340500	00060 2	2006	9	13.5
USGS	06340500	00060 2	2006	10	19.3
USGS	06340500	00060 2	2006	11	19.6
USGS	06340500	00060 2	2006	12	11.2
USGS	06340500	00060 2	2007	1	12.4
USGS	06340500	00060 2	2007	2	6.22
USGS	06340500	00060 2	2007	3	348.8
USGS	06340500	00060 2	2007	4	58.5
USGS	06340500	00060 2	2007	5	46.2
USGS	06340500	00060 2	2007	6	111.6
USGS	06340500	00060 2	2007	7	20.9
USGS	06340500	00060 2	2007	8	10.7
USGS	06340500	00060 2	2007	9	9.57
USGS	06340500	00060 2	2007	10	13.0
USGS	06340500	00060 2	2007	11	12.8
USGS	06340500	00060 2	2007	12	8.16
USGS	06340500	00060 2	2008	1	7.43
USGS	06340500	00060 2	2008	2	7.19
USGS	06340500	00060 2	2008	3	15.7
USGS	06340500	00060 2	2008	4	34.9
USGS	06340500	00060 2	2008	5	22.9
USGS	06340500	00060 2	2008	6	36.0
USGS	06340500	00060 2	2008	7	28.4
USGS	06340500	00060 2	2008	8	10.2
USGS	06340500	00060 2	2008	9	22.0
USGS	06340500	00060 2	2008	10	23.7
USGS	06340500	00060 2	2008	11	27.2
USGS	06340500	00060 2	2008	12	11.3
USGS	06340500	00060 2	2009	1	8.81
USGS	06340500	00060 2	2009	2	18.1
USGS	06340500	00060 2	2009	3	2786
USGS	06340500	00060 2	2009	4	2683
USGS	06340500	00060 2	2009	5	187.1
USGS	06340500	00060 2	2009	6	163.1
USGS	06340500	00060 2	2009	7	146.8
USGS	06340500	00060 2	2009	8	65.4
USGS	06340500	00060 2	2009	9	49.9
USGS	06340500	00060 2	2009	10	54.6
USGS	06340500	00060 2	2009	11	48.5
USGS	06340500	00060 2	2009	12	39.9
USGS	06340500	00060 2	2010	1	34.8
USGS	06340500	00060 2	2010	2	31.9
USGS	06340500	00060 2	2010	3	682.3

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00060 2	2010	4	782.0
USGS	06340500	00060 2	2010	5	222.6
USGS	06340500	00060 2	2010	6	133.7
USGS	06340500	00060 2	2010	7	80.2
USGS	06340500	00060 2	2010	8	49.8
USGS	06340500	00060 2	2010	9	151.5
USGS	06340500	00060 2	2010	10	51.1
USGS	06340500	00060 2	2010	11	60.4
USGS	06340500	00060 2	2010	12	51.7
USGS	06340500	00060 2	2011	1	49.3
USGS	06340500	00060 2	2011	2	39.3
USGS	06340500	00060 2	2011	3	323.1
USGS	06340500	00060 2	2011	4	2404
USGS	06340500	00060 2	2011	5	1234
USGS	06340500	00060 2	2011	6	861.0
USGS	06340500	00060 2	2011	7	355.9
USGS	06340500	00060 2	2011	8	184.5
USGS	06340500	00060 2	2011	9	115.1
USGS	06340500	80155 5	1946	4	11.5
USGS	06340500	80155 5	1946	5	5.60
USGS	06340500	80155 5	1946	6	779.7
USGS	06340500	80155 5	1946	7	971.5
USGS	06340500	80155 5	1948	5	577.7
USGS	06340500	80155 5	1948	6	3125
USGS	06340500	80155 5	1948	7	79.6
USGS	06340500	80154 7	1946	6	576.6
USGS	06340500	80154 7	1946	7	946.2
USGS	06340500	80154 7	1948	5	492.4
USGS	06340500	80154 7	1948	6	1120.
USGS	06340500	80154 7	1948	7	275.5
USGS	06340500	00065 8	1999	10	1.342
USGS	06340500	00065 8	1999	11	1.405
USGS	06340500	00065 8	1999	12	1.453
USGS	06340500	00065 8	2000	1	1.586
USGS	06340500	00065 8	2000	2	2.840
USGS	06340500	00065 8	2000	3	2.536
USGS	06340500	00065 8	2000	4	1.731
USGS	06340500	00065 8	2000	5	1.700
USGS	06340500	00065 8	2000	6	1.568
USGS	06340500	00065 8	2000	7	1.507
USGS	06340500	00065 8	2000	8	0.975
USGS	06340500	00065 8	2000	9	0.961
USGS	06340500	00065 8	2000	10	1.130
USGS	06340500	00065 8	2000	11	1.677
USGS	06340500	00065 8	2000	12	1.523
USGS	06340500	00065 8	2001	1	1.917
USGS	06340500	00065 8	2001	2	1.917
USGS	06340500	00065 8	2001	3	6.736
USGS	06340500	00065 8	2001	4	3.056
USGS	06340500	00065 8	2001	5	1.411
USGS	06340500	00065 8	2001	6	3.518
USGS	06340500	00065 8	2001	7	1.955
USGS	06340500	00065 8	2001	10	1.018
USGS	06340500	00065 8	2001	11	1.132

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00065 8	2001	12	1.255
USGS	06340500	00065 8	2002	1	1.487
USGS	06340500	00065 8	2002	2	1.679
USGS	06340500	00065 8	2002	3	2.350
USGS	06340500	00065 8	2002	4	2.169
USGS	06340500	00065 8	2002	5	1.481
USGS	06340500	00065 8	2002	8	1.328
USGS	06340500	00065 8	2002	9	1.027
USGS	06340500	00065 8	2002	10	1.084
USGS	06340500	00065 8	2002	11	1.192
USGS	06340500	00065 8	2002	12	1.389
USGS	06340500	00065 8	2003	1	1.536
USGS	06340500	00065 8	2003	4	1.701
USGS	06340500	00065 8	2003	5	1.861
USGS	06340500	00065 8	2003	6	1.264
USGS	06340500	00065 8	2003	7	0.885
USGS	06340500	00065 8	2003	8	0.702
USGS	06340500	00065 8	2003	9	0.787
USGS	06340500	00065 8	2003	10	0.818
USGS	06340500	00065 8	2003	11	1.222
USGS	06340500	00065 8	2003	12	1.377
USGS	06340500	00065 8	2004	1	1.535
USGS	06340500	00065 8	2004	2	1.846
USGS	06340500	00065 8	2004	3	7.247
USGS	06340500	00065 8	2004	4	1.859
USGS	06340500	00065 8	2004	5	1.178
USGS	06340500	00065 8	2004	6	1.051
USGS	06340500	00065 8	2004	7	0.836
USGS	06340500	00065 8	2004	8	0.779
USGS	06340500	00065 8	2004	9	0.766
USGS	06340500	00065 8	2004	10	0.840
USGS	06340500	00065 8	2004	11	1.125
USGS	06340500	00065 8	2005	2	1.812
USGS	06340500	00065 8	2005	3	2.414
USGS	06340500	00065 8	2005	4	1.551
USGS	06340500	00065 8	2005	5	1.874
USGS	06340500	00065 8	2005	6	3.379
USGS	06340500	00065 8	2005	7	2.154
USGS	06340500	00065 8	2005	11	1.217
USGS	06340500	00065 8	2005	12	1.211
USGS	06340500	00065 8	2006	1	1.451
USGS	06340500	00065 8	2006	2	1.580
USGS	06340500	00065 8	2006	3	1.940
USGS	06340500	00065 8	2006	4	2.221
USGS	06340500	00065 8	2006	5	1.083
USGS	06340500	00065 8	2006	6	0.897
USGS	06340500	00065 8	2006	7	0.567
USGS	06340500	00065 8	2006	8	0.633
USGS	06340500	00065 8	2006	9	0.638
USGS	06340500	00065 8	2006	10	0.798
USGS	06340500	00065 8	2006	11	0.926
USGS	06340500	00065 8	2006	12	1.295
USGS	06340500	00065 8	2007	4	2.094
USGS	06340500	00065 8	2007	5	1.922

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

USGS	06340500	00065 8	2007	6	2.230
USGS	06340500	00065 8	2007	7	1.305
USGS	06340500	00065 8	2007	8	1.130
USGS	06340500	00065 8	2007	9	1.109
USGS	06340500	00065 8	2007	10	1.188
USGS	06340500	00065 8	2007	11	1.266
USGS	06340500	00065 8	2008	3	1.623
USGS	06340500	00065 8	2008	4	1.590
USGS	06340500	00065 8	2008	5	1.292
USGS	06340500	00065 8	2008	6	1.439
USGS	06340500	00065 8	2008	7	1.241
USGS	06340500	00065 8	2008	8	0.946
USGS	06340500	00065 8	2008	9	1.105
USGS	06340500	00065 8	2008	10	1.209
USGS	06340500	00065 8	2008	11	1.327
USGS	06340500	00065 8	2009	2	2.035
USGS	06340500	00065 8	2009	5	3.984
USGS	06340500	00065 8	2009	6	3.450
USGS	06340500	00065 8	2009	8	2.272
USGS	06340500	00065 8	2009	9	2.037
USGS	06340500	00065 8	2009	10	2.107
USGS	06340500	00065 8	2009	12	2.110
USGS	06340500	00065 8	2010	3	5.023
USGS	06340500	00065 8	2010	4	5.707
USGS	06340500	00065 8	2010	5	3.322
USGS	06340500	00065 8	2010	6	2.760
USGS	06340500	00065 8	2010	8	1.848
USGS	06340500	00065 8	2010	11	1.943
USGS	06340500	00065 8	2010	12	2.283
USGS	06340500	00065 8	2011	1	2.366
USGS	06340500	00065 8	2011	4	11.179
USGS	06340500	00065 8	2011	5	7.953
USGS	06340500	00065 8	2011	6	6.704
USGS	06340500	00065 8	2011	7	3.923
USGS	06340500	00065 8	2011	8	2.745
USGS	06340500	00065 8	2011	9	2.150

```
# ----- WARNING -----  
# The data you have obtained from this automated U.S. Geological Survey database  
# have not received Director's approval and as such are provisional and subject to  
# revision. The data are released on the condition that neither the USGS nor the  
# United States Government may be held liable for any damages resulting from its use.  
# Additional info: http://waterdata.usgs.gov/nwis/help/?provisional  
#  
# File-format description: http://waterdata.usgs.gov/nwis/?tab\_delimited\_format\_info  
# Automated-retrieval info: http://waterdata.usgs.gov/nwis/?automated\_retrieval\_info  
#  
# Contact: gs-w\_support\_nwisweb@usgs.gov  
# retrieved: 2013-01-14 01:16:56 EST (sdww02)  
#  
# Data for the following 1 site(s) are contained in this file  
# USGS 06339550 COYOTE CREEK NR ZAP, ND  
# -----  
#  
# Data provided for site 06339550  
# DD parameter statistic Description  
# 01 00060 00003 Discharge, cubic feet per second (Mean)  
#  
# Data-value qualification codes included in this output:  
# A Approved for publication -- Processing and review completed.  
#
```

Date	Mean Daily
10/1/1977	1
10/2/1977	0.9
10/3/1977	0.9
10/4/1977	0.86
10/5/1977	0.88
10/6/1977	0.93
10/7/1977	1.2
10/8/1977	2.2
10/9/1977	7.1
10/10/1977	10
10/11/1977	6.2
10/12/1977	4.3
10/13/1977	3.6
10/14/1977	3
10/15/1977	2.1
10/16/1977	1.8
10/17/1977	1.4
10/18/1977	1.2
10/19/1977	1.1
10/20/1977	0.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

10/21/1977	0.79
10/22/1977	0.7
10/23/1977	0.69
10/24/1977	0.65
10/25/1977	0.64
10/26/1977	1.1
10/27/1977	0.71
10/28/1977	0.56
10/29/1977	0.62
10/30/1977	0.63
10/31/1977	0.65
11/1/1977	0.57
11/2/1977	0.59
11/3/1977	0.47
11/4/1977	0.48
11/5/1977	0.55
11/6/1977	0.59
11/7/1977	0.58
11/8/1977	0.53
11/9/1977	0.49
11/10/1977	0.5
11/11/1977	1
11/12/1977	0.89
11/13/1977	0.78
11/14/1977	0.67
11/15/1977	1.2
11/16/1977	0.88
11/17/1977	0.92
11/18/1977	0.83
11/19/1977	0.76
11/20/1977	0.7
11/21/1977	0.65
11/22/1977	0.65
11/23/1977	0.6
11/24/1977	0.6
11/25/1977	0.6
11/26/1977	0.7
11/27/1977	0.8
11/28/1977	0.95
11/29/1977	1
11/30/1977	1.2
12/1/1977	1.1
12/2/1977	1
12/3/1977	1
12/4/1977	1
12/5/1977	0.95
12/6/1977	0.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

12/7/1977	0.85
12/8/1977	0.8
12/9/1977	0.6
12/10/1977	0.5
12/11/1977	0.6
12/12/1977	1.2
12/13/1977	1.5
12/14/1977	1.6
12/15/1977	1.7
12/16/1977	1.7
12/17/1977	1.6
12/18/1977	1.5
12/19/1977	1
12/20/1977	1
12/21/1977	1
12/22/1977	1
12/23/1977	0.95
12/24/1977	0.95
12/25/1977	0.95
12/26/1977	0.9
12/27/1977	0.9
12/28/1977	0.9
12/29/1977	0.9
12/30/1977	0.9
12/31/1977	0.9
1/1/1978	0.9
1/2/1978	0.9
1/3/1978	0.95
1/4/1978	1
1/5/1978	1
1/6/1978	1.2
1/7/1978	1
1/8/1978	0.9
1/9/1978	0.8
1/10/1978	0.7
1/11/1978	0.6
1/12/1978	0.6
1/13/1978	0.6
1/14/1978	0.6
1/15/1978	0.5
1/16/1978	0.5
1/17/1978	0.5
1/18/1978	0.4
1/19/1978	0.45
1/20/1978	0.55
1/21/1978	0.6
1/22/1978	0.65

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

1/23/1978	0.6
1/24/1978	0.6
1/25/1978	0.5
1/26/1978	0.45
1/27/1978	0.4
1/28/1978	0.4
1/29/1978	0.35
1/30/1978	0.35
1/31/1978	0.3
2/1/1978	0.3
2/2/1978	0.3
2/3/1978	0.25
2/4/1978	0.2
2/5/1978	0.2
2/6/1978	0.2
2/7/1978	0.2
2/8/1978	0.25
2/9/1978	0.3
2/10/1978	0.35
2/11/1978	0.35
2/12/1978	0.4
2/13/1978	0.35
2/14/1978	0.2
2/15/1978	0.1
2/16/1978	0
2/17/1978	0
2/18/1978	0
2/19/1978	0.1
2/20/1978	0.2
2/21/1978	0.3
2/22/1978	0.25
2/23/1978	0.2
2/24/1978	0.15
2/25/1978	0.1
2/26/1978	0
2/27/1978	0
2/28/1978	0
3/1/1978	0
3/2/1978	0
3/3/1978	0
3/4/1978	0
3/5/1978	0
3/6/1978	0
3/7/1978	0
3/8/1978	0
3/9/1978	0.1
3/10/1978	0.3

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

3/11/1978	0.6
3/12/1978	1
3/13/1978	0.9
3/14/1978	0.7
3/15/1978	0.5
3/16/1978	0.4
3/17/1978	0.4
3/18/1978	0.4
3/19/1978	0.4
3/20/1978	1
3/21/1978	15
3/22/1978	300
3/23/1978	900
3/24/1978	500
3/25/1978	400
3/26/1978	1000
3/27/1978	1500
3/28/1978	600
3/29/1978	190
3/30/1978	125
3/31/1978	90
4/1/1978	59
4/2/1978	38
4/3/1978	49
4/4/1978	83
4/5/1978	74
4/6/1978	72
4/7/1978	52
4/8/1978	34
4/9/1978	27
4/10/1978	26
4/11/1978	25
4/12/1978	22
4/13/1978	20
4/14/1978	17
4/15/1978	15
4/16/1978	13
4/17/1978	15
4/18/1978	16
4/19/1978	15
4/20/1978	13
4/21/1978	12
4/22/1978	10
4/23/1978	10
4/24/1978	11
4/25/1978	10
4/26/1978	9.4

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

4/27/1978	8.7
4/28/1978	7.8
4/29/1978	7.5
4/30/1978	7.2
5/1/1978	6.2
5/2/1978	5.5
5/3/1978	5
5/4/1978	4.6
5/5/1978	4.4
5/6/1978	3.9
5/7/1978	4.4
5/8/1978	8.4
5/9/1978	16
5/10/1978	20
5/11/1978	14
5/12/1978	12
5/13/1978	12
5/14/1978	9
5/15/1978	7.2
5/16/1978	6.2
5/17/1978	5
5/18/1978	4.2
5/19/1978	3.7
5/20/1978	3.5
5/21/1978	3.2
5/22/1978	3.4
5/23/1978	3.2
5/24/1978	2.9
5/25/1978	2.6
5/26/1978	2.3
5/27/1978	2.1
5/28/1978	2.1
5/29/1978	1.8
5/30/1978	1.8
5/31/1978	1.9
6/1/1978	2.1
6/2/1978	2
6/3/1978	2.1
6/4/1978	1.9
6/5/1978	1.7
6/6/1978	1.5
6/7/1978	1.4
6/8/1978	1.3
6/9/1978	1.1
6/10/1978	1
6/11/1978	1.3
6/12/1978	1.2

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

6/13/1978	1.9
6/14/1978	1.3
6/15/1978	1.6
6/16/1978	1.4
6/17/1978	1.3
6/18/1978	1.2
6/19/1978	1.3
6/20/1978	1.2
6/21/1978	0.93
6/22/1978	0.8
6/23/1978	0.8
6/24/1978	0.86
6/25/1978	0.86
6/26/1978	0.8
6/27/1978	0.62
6/28/1978	0.62
6/29/1978	0.86
6/30/1978	0.93
7/1/1978	1.1
7/2/1978	0.97
7/3/1978	0.79
7/4/1978	0.93
7/5/1978	0.86
7/6/1978	0.62
7/7/1978	0.47
7/8/1978	0.7
7/9/1978	0.7
7/10/1978	0.54
7/11/1978	0.54
7/12/1978	2
7/13/1978	0.93
7/14/1978	0.93
7/15/1978	0.7
7/16/1978	0.47
7/17/1978	0.47
7/18/1978	0.31
7/19/1978	1.2
7/20/1978	1.1
7/21/1978	1.2
7/22/1978	0.99
7/23/1978	1.1
7/24/1978	0.98
7/25/1978	0.74
7/26/1978	0.54
7/27/1978	0.36
7/28/1978	0.25
7/29/1978	0.23

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

7/30/1978	0.29
7/31/1978	0.27
8/1/1978	0.35
8/2/1978	0.27
8/3/1978	0.21
8/4/1978	0.18
8/5/1978	0.2
8/6/1978	0.2
8/7/1978	0.16
8/8/1978	0.15
8/9/1978	0.1
8/10/1978	0.07
8/11/1978	0.08
8/12/1978	0.07
8/13/1978	0.03
8/14/1978	0
8/15/1978	0
8/16/1978	0
8/17/1978	0
8/18/1978	0
8/19/1978	0
8/20/1978	0
8/21/1978	0
8/22/1978	0
8/23/1978	0
8/24/1978	0
8/25/1978	0
8/26/1978	0
8/27/1978	0
8/28/1978	0
8/29/1978	0
8/30/1978	0
8/31/1978	0
9/1/1978	0
9/2/1978	0
9/3/1978	0
9/4/1978	0
9/5/1978	0
9/6/1978	0
9/7/1978	0
9/8/1978	0
9/9/1978	0
9/10/1978	0
9/11/1978	0
9/12/1978	0
9/13/1978	0.09
9/14/1978	0.3

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

9/15/1978	0.12
9/16/1978	0.18
9/17/1978	0.15
9/18/1978	0.17
9/19/1978	0.17
9/20/1978	0.14
9/21/1978	0.15
9/22/1978	0.17
9/23/1978	0.13
9/24/1978	0.13
9/25/1978	0.14
9/26/1978	0.13
9/27/1978	0.11
9/28/1978	0.12
9/29/1978	0.11
9/30/1978	0.11
10/1/1978	0.08
10/2/1978	0.08
10/3/1978	0.15
10/4/1978	0.16
10/5/1978	0.13
10/6/1978	0.11
10/7/1978	0.13
10/8/1978	0.15
10/9/1978	0.15
10/10/1978	0.15
10/11/1978	0.17
10/12/1978	0.18
10/13/1978	0.18
10/14/1978	0.17
10/15/1978	0.18
10/16/1978	0.28
10/17/1978	0.28
10/18/1978	0.22
10/19/1978	0.22
10/20/1978	0.33
10/21/1978	0.47
10/22/1978	0.29
10/23/1978	0.46
10/24/1978	0.42
10/25/1978	0.31
10/26/1978	0.27
10/27/1978	0.62
10/28/1978	0.62
10/29/1978	0.86
10/30/1978	0.7
10/31/1978	0.41

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

11/1/1978	0.41
11/2/1978	0.41
11/3/1978	0.54
11/4/1978	0.7
11/5/1978	0.7
11/6/1978	0.7
11/7/1978	1.2
11/8/1978	1.7
11/9/1978	1.2
11/10/1978	0.8
11/11/1978	0.93
11/12/1978	1.1
11/13/1978	1.1
11/14/1978	1
11/15/1978	0.86
11/16/1978	0.8
11/17/1978	0.62
11/18/1978	0.59
11/19/1978	0.57
11/20/1978	0.48
11/21/1978	0.47
11/22/1978	0.5
11/23/1978	0.52
11/24/1978	0.54
11/25/1978	0.54
11/26/1978	0.5
11/27/1978	0.44
11/28/1978	0.4
11/29/1978	0.39
11/30/1978	0.28
12/1/1978	0.19
12/2/1978	0.17
12/3/1978	0.17
12/4/1978	0.22
12/5/1978	0.23
12/6/1978	0.18
12/7/1978	0.1
12/8/1978	0.11
12/9/1978	0.1
12/10/1978	0.2
12/11/1978	0.37
12/12/1978	0.4
12/13/1978	0.41
12/14/1978	0.5
12/15/1978	0.51
12/16/1978	0.52
12/17/1978	0.5

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

12/18/1978	0.47
12/19/1978	0.4
12/20/1978	0.38
12/21/1978	0.4
12/22/1978	0.5
12/23/1978	0.54
12/24/1978	0.5
12/25/1978	0.43
12/26/1978	0.4
12/27/1978	0.38
12/28/1978	0.32
12/29/1978	0.28
12/30/1978	0.23
12/31/1978	0.2
1/1/1979	0.19
1/2/1979	0.12
1/3/1979	0.19
1/4/1979	0.18
1/5/1979	0.11
1/6/1979	0.1
1/7/1979	0.15
1/8/1979	0.2
1/9/1979	0.3
1/10/1979	0.32
1/11/1979	0.27
1/12/1979	0.23
1/13/1979	0.25
1/14/1979	0.21
1/15/1979	0.2
1/16/1979	0.2
1/17/1979	0.2
1/18/1979	0.22
1/19/1979	0.3
1/20/1979	0.31
1/21/1979	0.3
1/22/1979	0.31
1/23/1979	0.24
1/24/1979	0.18
1/25/1979	0.18
1/26/1979	0.2
1/27/1979	0.2
1/28/1979	0.18
1/29/1979	0.16
1/30/1979	0.1
1/31/1979	0.07
2/1/1979	0.05
2/2/1979	0.06

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

2/3/1979	0.02
2/4/1979	0.01
2/5/1979	0
2/6/1979	0
2/7/1979	0
2/8/1979	0.02
2/9/1979	0.04
2/10/1979	0.1
2/11/1979	0.11
2/12/1979	0.11
2/13/1979	0.11
2/14/1979	0.1
2/15/1979	0.07
2/16/1979	0.17
2/17/1979	0.2
2/18/1979	0.22
2/19/1979	0.23
2/20/1979	0.25
2/21/1979	0.22
2/22/1979	0.2
2/23/1979	0.22
2/24/1979	0.25
2/25/1979	0.3
2/26/1979	0.35
2/27/1979	0.39
2/28/1979	0.34
3/1/1979	0.3
3/2/1979	0.33
3/3/1979	0.28
3/4/1979	0.47
3/5/1979	0.8
3/6/1979	1.3
3/7/1979	2.3
3/8/1979	3
3/9/1979	4
3/10/1979	5
3/11/1979	6
3/12/1979	7
3/13/1979	8.5
3/14/1979	10
3/15/1979	13
3/16/1979	19
3/17/1979	26
3/18/1979	37
3/19/1979	46
3/20/1979	54
3/21/1979	60

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

3/22/1979	65
3/23/1979	68
3/24/1979	68
3/25/1979	68
3/26/1979	66
3/27/1979	42
3/28/1979	30
3/29/1979	27
3/30/1979	26
3/31/1979	26
4/1/1979	25
4/2/1979	25
4/3/1979	24
4/4/1979	23
4/5/1979	24
4/6/1979	24
4/7/1979	22
4/8/1979	28
4/9/1979	50
4/10/1979	223
4/11/1979	226
4/12/1979	112
4/13/1979	65
4/14/1979	53
4/15/1979	66
4/16/1979	145
4/17/1979	268
4/18/1979	259
4/19/1979	140
4/20/1979	72
4/21/1979	44
4/22/1979	30
4/23/1979	20
4/24/1979	16
4/25/1979	14
4/26/1979	12
4/27/1979	10
4/28/1979	8.7
4/29/1979	7.4
4/30/1979	6.7
5/1/1979	5.8
5/2/1979	5.2
5/3/1979	4.8
5/4/1979	4.1
5/5/1979	3.9
5/6/1979	4.3
5/7/1979	4.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

5/8/1979	4.9
5/9/1979	4.2
5/10/1979	3.9
5/11/1979	3.7
5/12/1979	3.6
5/13/1979	3.3
5/14/1979	3.1
5/15/1979	3
5/16/1979	2.8
5/17/1979	2.4
5/18/1979	2.3
5/19/1979	2.2
5/20/1979	2
5/21/1979	2
5/22/1979	2
5/23/1979	1.9
5/24/1979	1.8
5/25/1979	1.7
5/26/1979	1.5
5/27/1979	1.4
5/28/1979	1.2
5/29/1979	1.2
5/30/1979	1.1
5/31/1979	1.1
6/1/1979	1.1
6/2/1979	1.1
6/3/1979	1.1
6/4/1979	1
6/5/1979	1.1
6/6/1979	1.1
6/7/1979	1
6/8/1979	1
6/9/1979	0.98
6/10/1979	0.94
6/11/1979	0.92
6/12/1979	1
6/13/1979	0.8
6/14/1979	0.63
6/15/1979	0.46
6/16/1979	0.27
6/17/1979	0.33
6/18/1979	0.38
6/19/1979	0.62
6/20/1979	0.62
6/21/1979	0.62
6/22/1979	6.2
6/23/1979	12

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

6/24/1979	5.2
6/25/1979	3.2
6/26/1979	2.4
6/27/1979	2.4
6/28/1979	1.9
6/29/1979	1.3
6/30/1979	1.2
7/1/1979	2.3
7/2/1979	1.9
7/3/1979	1.8
7/4/1979	1.6
7/5/1979	1.2
7/6/1979	1
7/7/1979	0.93
7/8/1979	0.8
7/9/1979	0.8
7/10/1979	0.8
7/11/1979	0.93
7/12/1979	5.2
7/13/1979	5.2
7/14/1979	3.1
7/15/1979	1.9
7/16/1979	1.2
7/17/1979	0.86
7/18/1979	0.69
7/19/1979	0.54
7/20/1979	0.47
7/21/1979	0.41
7/22/1979	0.31
7/23/1979	0.41
7/24/1979	0.54
7/25/1979	0.41
7/26/1979	0.47
7/27/1979	1.2
7/28/1979	2.3
7/29/1979	1.3
7/30/1979	23
7/31/1979	12
8/1/1979	5
8/2/1979	2.4
8/3/1979	1.6
8/4/1979	1.3
8/5/1979	1.1
8/6/1979	0.8
8/7/1979	0.7
8/8/1979	0.52
8/9/1979	0.47

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

8/10/1979	0.41
8/11/1979	0.36
8/12/1979	0.31
8/13/1979	0.27
8/14/1979	0.2
8/15/1979	0.18
8/16/1979	0.15
8/17/1979	0.15
8/18/1979	0.13
8/19/1979	0.15
8/20/1979	0.13
8/21/1979	0.18
8/22/1979	0.27
8/23/1979	0.18
8/24/1979	0.18
8/25/1979	0.23
8/26/1979	0.27
8/27/1979	0.2
8/28/1979	0.23
8/29/1979	0.23
8/30/1979	0.17
8/31/1979	0.13
9/1/1979	0.13
9/2/1979	0.15
9/3/1979	0.17
9/4/1979	0.15
9/5/1979	0.1
9/6/1979	0.07
9/7/1979	0.05
9/8/1979	0.05
9/9/1979	0.05
9/10/1979	0.15
9/11/1979	0.27
9/12/1979	0.44
9/13/1979	0.52
9/14/1979	0.42
9/15/1979	0.41
9/16/1979	0.32
9/17/1979	0.27
9/18/1979	0.19
9/19/1979	0.18
9/20/1979	0.14
9/21/1979	0.09
9/22/1979	0.08
9/23/1979	0.08
9/24/1979	0.07
9/25/1979	0.05

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

9/26/1979	0.04
9/27/1979	0.03
9/28/1979	0.03
9/29/1979	0.02
9/30/1979	0.02
10/1/1979	0.02
10/2/1979	0.02
10/3/1979	0.01
10/4/1979	0.01
10/5/1979	0.01
10/6/1979	0
10/7/1979	0
10/8/1979	0
10/9/1979	0
10/10/1979	0
10/11/1979	0
10/12/1979	0
10/13/1979	0
10/14/1979	0.08
10/15/1979	0.15
10/16/1979	0.15
10/17/1979	0.15
10/18/1979	0.17
10/19/1979	0.21
10/20/1979	0.18
10/21/1979	0.19
10/22/1979	0.24
10/23/1979	0.25
10/24/1979	0.26
10/25/1979	0.33
10/26/1979	0.33
10/27/1979	0.24
10/28/1979	0.29
10/29/1979	0.33
10/30/1979	0.35
10/31/1979	0.41
11/1/1979	0.41
11/2/1979	0.39
11/3/1979	0.42
11/4/1979	0.51
11/5/1979	0.8
11/6/1979	0.78
11/7/1979	0.86
11/8/1979	0.8
11/9/1979	0.47
11/10/1979	0.62
11/11/1979	0.62

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

11/12/1979	0.47
11/13/1979	0.54
11/14/1979	0.62
11/15/1979	0.62
11/16/1979	0.93
11/17/1979	0.86
11/18/1979	0.8
11/19/1979	0.86
11/20/1979	0.8
11/21/1979	0.7
11/22/1979	0.62
11/23/1979	0.7
11/24/1979	0.54
11/25/1979	0.54
11/26/1979	0.52
11/27/1979	0.47
11/28/1979	0.41
11/29/1979	0.36
11/30/1979	0.36
12/1/1979	0.41
12/2/1979	0.47
12/3/1979	0.47
12/4/1979	0.6
12/5/1979	0.8
12/6/1979	0.66
12/7/1979	0.62
12/8/1979	0.54
12/9/1979	0.47
12/10/1979	0.54
12/11/1979	0.47
12/12/1979	0.46
12/13/1979	0.45
12/14/1979	0.45
12/15/1979	0.45
12/16/1979	0.47
12/17/1979	0.5
12/18/1979	0.55
12/19/1979	0.6
12/20/1979	0.65
12/21/1979	0.55
12/22/1979	0.47
12/23/1979	0.43
12/24/1979	0.41
12/25/1979	0.39
12/26/1979	0.43
12/27/1979	0.46
12/28/1979	0.42

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

12/29/1979	0.35
12/30/1979	0.33
12/31/1979	0.3
1/1/1980	0.28
1/2/1980	0.28
1/3/1980	0.26
1/4/1980	0.25
1/5/1980	0.23
1/6/1980	0.21
1/7/1980	0.17
1/8/1980	0.12
1/9/1980	0.06
1/10/1980	0.05
1/11/1980	0.06
1/12/1980	0.2
1/13/1980	0.64
1/14/1980	0.66
1/15/1980	0.68
1/16/1980	0.7
1/17/1980	0.7
1/18/1980	0.72
1/19/1980	0.74
1/20/1980	0.8
1/21/1980	0.86
1/22/1980	0.9
1/23/1980	0.8
1/24/1980	0.7
1/25/1980	0.5
1/26/1980	0.2
1/27/1980	0
1/28/1980	0
1/29/1980	0
1/30/1980	0
1/31/1980	0
2/1/1980	0
2/2/1980	0
2/3/1980	0
2/4/1980	0
2/5/1980	0
2/6/1980	0
2/7/1980	0
2/8/1980	0
2/9/1980	0
2/10/1980	0
2/11/1980	0
2/12/1980	0
2/13/1980	0

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

2/14/1980	0
2/15/1980	0
2/16/1980	0
2/17/1980	0
2/18/1980	0
2/19/1980	0
2/20/1980	0
2/21/1980	0
2/22/1980	0
2/23/1980	0
2/24/1980	0
2/25/1980	0
2/26/1980	0
2/27/1980	0
2/28/1980	0
2/29/1980	0
3/1/1980	0
3/2/1980	0
3/3/1980	0
3/4/1980	0
3/5/1980	0
3/6/1980	0
3/7/1980	0
3/8/1980	0
3/9/1980	0.02
3/10/1980	0
3/11/1980	0
3/12/1980	0
3/13/1980	0.1
3/14/1980	1.4
3/15/1980	4
3/16/1980	8
3/17/1980	17
3/18/1980	23
3/19/1980	25
3/20/1980	26
3/21/1980	25
3/22/1980	15
3/23/1980	12
3/24/1980	13
3/25/1980	10
3/26/1980	9.7
3/27/1980	9.2
3/28/1980	9
3/29/1980	8.8
3/30/1980	8.6
3/31/1980	8.2

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

4/1/1980	7.8
4/2/1980	7.5
4/3/1980	7.5
4/4/1980	8
4/5/1980	9
4/6/1980	7.2
4/7/1980	8.7
4/8/1980	7.4
4/9/1980	8.1
4/10/1980	6
4/11/1980	4.6
4/12/1980	4.4
4/13/1980	3.7
4/14/1980	3.1
4/15/1980	2.9
4/16/1980	2.5
4/17/1980	2.8
4/18/1980	2.4
4/19/1980	2
4/20/1980	2.1
4/21/1980	1.8
4/22/1980	1.5
4/23/1980	1.3
4/24/1980	1.3
4/25/1980	1.2
4/26/1980	1
4/27/1980	1
4/28/1980	0.8
4/29/1980	0.86
4/30/1980	0.8
5/1/1980	0.93
5/2/1980	0.7
5/3/1980	0.8
5/4/1980	0.86
5/5/1980	0.8
5/6/1980	0.54
5/7/1980	0.7
5/8/1980	0.7
5/9/1980	0.7
5/10/1980	0.61
5/11/1980	0.46
5/12/1980	0.47
5/13/1980	0.47
5/14/1980	0.41
5/15/1980	0.41
5/16/1980	0.31
5/17/1980	0.27

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

5/18/1980	0.31
5/19/1980	0.27
5/20/1980	0.23
5/21/1980	0.2
5/22/1980	0.2
5/23/1980	0.17
5/24/1980	0.13
5/25/1980	0.12
5/26/1980	0.08
5/27/1980	0.07
5/28/1980	0.07
5/29/1980	0.07
5/30/1980	0.08
5/31/1980	0.13
6/1/1980	0.13
6/2/1980	0.1
6/3/1980	0.36
6/4/1980	10
6/5/1980	8.7
6/6/1980	3.5
6/7/1980	1.8
6/8/1980	1
6/9/1980	0.62
6/10/1980	0.41
6/11/1980	0.27
6/12/1980	1.5
6/13/1980	3.9
6/14/1980	18
6/15/1980	6.4
6/16/1980	2.9
6/17/1980	2
6/18/1980	1.3
6/19/1980	1
6/20/1980	0.8
6/21/1980	0.62
6/22/1980	0.54
6/23/1980	0.36
6/24/1980	0.36
6/25/1980	0.2
6/26/1980	0.15
6/27/1980	0.15
6/28/1980	0.12
6/29/1980	0.08
6/30/1980	0.03
7/1/1980	0
7/2/1980	0
7/3/1980	0

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

7/4/1980	0
7/5/1980	0
7/6/1980	0
7/7/1980	0
7/8/1980	0
7/9/1980	0
7/10/1980	0
7/11/1980	0
7/12/1980	0
7/13/1980	0
7/14/1980	0
7/15/1980	0
7/16/1980	0
7/17/1980	0
7/18/1980	0
7/19/1980	0
7/20/1980	0
7/21/1980	0
7/22/1980	0
7/23/1980	0
7/24/1980	0
7/25/1980	0
7/26/1980	0
7/27/1980	0
7/28/1980	0
7/29/1980	0
7/30/1980	0
7/31/1980	0
8/1/1980	0
8/2/1980	0
8/3/1980	0
8/4/1980	0
8/5/1980	0
8/6/1980	0
8/7/1980	0
8/8/1980	0
8/9/1980	0
8/10/1980	0
8/11/1980	0
8/12/1980	0
8/13/1980	0
8/14/1980	0
8/15/1980	0
8/16/1980	0
8/17/1980	0
8/18/1980	0
8/19/1980	0

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

8/20/1980	0
8/21/1980	0
8/22/1980	0
8/23/1980	0
8/24/1980	0
8/25/1980	0
8/26/1980	0
8/27/1980	0
8/28/1980	0
8/29/1980	0
8/30/1980	0
8/31/1980	0
9/1/1980	0
9/2/1980	0
9/3/1980	0.17
9/4/1980	0.18
9/5/1980	0.15
9/6/1980	0.15
9/7/1980	0.13
9/8/1980	0.12
9/9/1980	0.07
9/10/1980	0.03
9/11/1980	0.02
9/12/1980	0.05
9/13/1980	0.05
9/14/1980	0.05
9/15/1980	0.03
9/16/1980	0.02
9/17/1980	0.02
9/18/1980	0.02
9/19/1980	0.02
9/20/1980	0
9/21/1980	0.01
9/22/1980	0.07
9/23/1980	0.09
9/24/1980	0.16
9/25/1980	0.28
9/26/1980	0.23
9/27/1980	0.25
9/28/1980	0.21
9/29/1980	0.18
9/30/1980	0.16
10/1/1980	0.1
10/2/1980	0.07
10/3/1980	0.07
10/4/1980	0.07
10/5/1980	0.06

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

10/6/1980	0.02
10/7/1980	0.02
10/8/1980	0.03
10/9/1980	0.03
10/10/1980	0.03
10/11/1980	0
10/12/1980	0
10/13/1980	0
10/14/1980	0.05
10/15/1980	0.08
10/16/1980	2.1
10/17/1980	11
10/18/1980	5.9
10/19/1980	2.7
10/20/1980	1.5
10/21/1980	1.1
10/22/1980	2.8
10/23/1980	7.2
10/24/1980	5.3
10/25/1980	4
10/26/1980	2.6
10/27/1980	3
10/28/1980	2.3
10/29/1980	1.7
10/30/1980	1.4
10/31/1980	1.4
11/1/1980	1.3
11/2/1980	1.2
11/3/1980	0.93
11/4/1980	0.8
11/5/1980	0.7
11/6/1980	1
11/7/1980	1
11/8/1980	1.1
11/9/1980	0.86
11/10/1980	0.86
11/11/1980	0.96
11/12/1980	0.88
11/13/1980	1
11/14/1980	1
11/15/1980	0.91
11/16/1980	0.77
11/17/1980	0.8
11/18/1980	0.71
11/19/1980	0.87
11/20/1980	1.1
11/21/1980	0.93

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

11/22/1980	0.85
11/23/1980	0.8
11/24/1980	0.74
11/25/1980	0.74
11/26/1980	0.72
11/27/1980	0.7
11/28/1980	0.7
11/29/1980	0.68
11/30/1980	0.62
12/1/1980	0.55
12/2/1980	0.45
12/3/1980	0.5
12/4/1980	0.54
12/5/1980	0.54
12/6/1980	0.36
12/7/1980	0.41
12/8/1980	0.41
12/9/1980	0.54
12/10/1980	0.41
12/11/1980	0.41
12/12/1980	0.54
12/13/1980	0.47
12/14/1980	0.47
12/15/1980	0.7
12/16/1980	0.8
12/17/1980	0.81
12/18/1980	0.7
12/19/1980	0.54
12/20/1980	0.41
12/21/1980	0.36
12/22/1980	0.3
12/23/1980	0.25
12/24/1980	0.22
12/25/1980	0.2
12/26/1980	0.25
12/27/1980	0.47
12/28/1980	0.7
12/29/1980	1.1
12/30/1980	2
12/31/1980	1.8
1/1/1981	1.4
1/2/1981	0.9
1/3/1981	0.47
1/4/1981	0.47
1/5/1981	0.41
1/6/1981	0.47
1/7/1981	0.54

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

1/8/1981	0.47
1/9/1981	0.54
1/10/1981	0.61
1/11/1981	0.7
1/12/1981	0.61
1/13/1981	0.58
1/14/1981	0.55
1/15/1981	0.55
1/16/1981	0.47
1/17/1981	0.56
1/18/1981	0.7
1/19/1981	0.61
1/20/1981	0.54
1/21/1981	0.61
1/22/1981	0.7
1/23/1981	0.8
1/24/1981	0.61
1/25/1981	0.54
1/26/1981	0.47
1/27/1981	0.47
1/28/1981	0.41
1/29/1981	0.41
1/30/1981	0.47
1/31/1981	0.47
2/1/1981	0.41
2/2/1981	0.36
2/3/1981	0.41
2/4/1981	0.47
2/5/1981	0.41
2/6/1981	0.47
2/7/1981	0.41
2/8/1981	0.47
2/9/1981	0.31
2/10/1981	0.2
2/11/1981	0.41
2/12/1981	0.36
2/13/1981	0.27
2/14/1981	0.8
2/15/1981	5
2/16/1981	30
2/17/1981	42
2/18/1981	34
2/19/1981	27
2/20/1981	23
2/21/1981	17
2/22/1981	14
2/23/1981	12

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

2/24/1981	10
2/25/1981	8
2/26/1981	6
2/27/1981	3.1
2/28/1981	2.9
3/1/1981	2.7
3/2/1981	2.4
3/3/1981	1.9
3/4/1981	1.9
3/5/1981	2.3
3/6/1981	2
3/7/1981	1.4
3/8/1981	1.3
3/9/1981	1.4
3/10/1981	2.4
3/11/1981	12
3/12/1981	68
3/13/1981	88
3/14/1981	65
3/15/1981	44
3/16/1981	25
3/17/1981	13
3/18/1981	5.8
3/19/1981	4.1
3/20/1981	3.4
3/21/1981	2.9
3/22/1981	2.2
3/23/1981	2
3/24/1981	2
3/25/1981	2.7
3/26/1981	2.4
3/27/1981	2.1
3/28/1981	1.8
3/29/1981	1.6
3/30/1981	1.4
3/31/1981	1.4
4/1/1981	1.3
4/2/1981	1.2
4/3/1981	1.1
4/4/1981	0.94
4/5/1981	0.91
4/6/1981	0.82
4/7/1981	0.63
4/8/1981	0.74
4/9/1981	1.1
4/10/1981	0.81
4/11/1981	0.62

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

4/12/1981	0.55
4/13/1981	0.46
4/14/1981	0.42
4/15/1981	0.4
4/16/1981	0.35
4/17/1981	0.3
4/18/1981	0.35
4/19/1981	0.31
4/20/1981	0.33
4/21/1981	0.31
4/22/1981	0.25
4/23/1981	0.24
4/24/1981	0.3
4/25/1981	0.28
4/26/1981	0.25
4/27/1981	0.52
4/28/1981	0.53
4/29/1981	0.56
4/30/1981	0.47
5/1/1981	0.43
5/2/1981	0.43
5/3/1981	0.37
5/4/1981	0.35
5/5/1981	0.35
5/6/1981	0.27
5/7/1981	0.23
5/8/1981	0.23
5/9/1981	0.18
5/10/1981	0.21
5/11/1981	0.21
5/12/1981	0.18
5/13/1981	0.19
5/14/1981	0.24
5/15/1981	0.23
5/16/1981	0.17
5/17/1981	0.24
5/18/1981	0.21
5/19/1981	0.2
5/20/1981	0.16
5/21/1981	0.11
5/22/1981	0.17
5/23/1981	0.27
5/24/1981	0.18
5/25/1981	0.15
5/26/1981	0.17
5/27/1981	0.23
5/28/1981	0.56

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

5/29/1981	0.4
5/30/1981	0.34
5/31/1981	0.46
6/1/1981	1
6/2/1981	1.1
6/3/1981	1.8
6/4/1981	2.9
6/5/1981	3.5
6/6/1981	1.8
6/7/1981	1.2
6/8/1981	1
6/9/1981	0.71
6/10/1981	0.69
6/11/1981	0.46
6/12/1981	0.34
6/13/1981	5.5
6/14/1981	20
6/15/1981	4.3
6/16/1981	3.9
6/17/1981	2.3
6/18/1981	1.5
6/19/1981	1.2
6/20/1981	1.1
6/21/1981	1
6/22/1981	0.7
6/23/1981	0.62
6/24/1981	0.47
6/25/1981	0.41
6/26/1981	0.54
6/27/1981	0.31
6/28/1981	0.36
6/29/1981	0.8
6/30/1981	0.41
7/1/1981	0.2
7/2/1981	0.54
7/3/1981	0.23
7/4/1981	0.17
7/5/1981	0.12
7/6/1981	0.12
7/7/1981	0.05
7/8/1981	0
7/9/1981	0
7/10/1981	0
7/11/1981	0
7/12/1981	0
7/13/1981	0
7/14/1981	0

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

7/15/1981	0.05
7/16/1981	0
7/17/1981	0.33
7/18/1981	1.2
7/19/1981	1.1
7/20/1981	19
7/21/1981	8.1
7/22/1981	3.1
7/23/1981	2
7/24/1981	1.2
7/25/1981	0.62
7/26/1981	0.53
7/27/1981	0.63
7/28/1981	0.48
7/29/1981	0.4
7/30/1981	0.23
7/31/1981	0.17
8/1/1981	0.79
8/2/1981	19
8/3/1981	8.4
8/4/1981	13
8/5/1981	44
8/6/1981	95
8/7/1981	62
8/8/1981	44
8/9/1981	26
8/10/1981	14
8/11/1981	7.8
8/12/1981	4.2
8/13/1981	2.8
8/14/1981	1.9
8/15/1981	1.4
8/16/1981	1.2
8/17/1981	0.93
8/18/1981	0.54
8/19/1981	0.37
8/20/1981	0.24
8/21/1981	0.18
8/22/1981	23
8/23/1981	47
8/24/1981	37
8/25/1981	32
8/26/1981	17
8/27/1981	9
8/28/1981	5.3
8/29/1981	3.1
8/30/1981	2.4

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

8/31/1981	1.6
9/1/1981	0.87
9/2/1981	0.49
9/3/1981	0.31
9/4/1981	0.23
9/5/1981	0.2
9/6/1981	1.2
9/7/1981	0.8
9/8/1981	0.86
9/9/1981	0.54
9/10/1981	0.31
9/11/1981	0.2
9/12/1981	0.18
9/13/1981	0.17
9/14/1981	0.15
9/15/1981	0.13
9/16/1981	0.1
9/17/1981	0.08
9/18/1981	0.07
9/19/1981	0.07
9/20/1981	0.07
9/21/1981	0.07
9/22/1981	0.08
9/23/1981	0.08
9/24/1981	0.07
9/25/1981	0.3
9/26/1981	6.9
9/27/1981	3.2
9/28/1981	1
9/29/1981	0.36
9/30/1981	0.27
10/1/1981	0.31
10/2/1981	0.27
10/3/1981	0.27
10/4/1981	0.27
10/5/1981	0.27
10/6/1981	0.31
10/7/1981	0.36
10/8/1981	0.31
10/9/1981	0.31
10/10/1981	0.47
10/11/1981	0.54
10/12/1981	1.2
10/13/1981	0.36
10/14/1981	0.27
10/15/1981	0.48
10/16/1981	0.42

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

10/17/1981	0.53
10/18/1981	0.58
10/19/1981	0.57
10/20/1981	0.58
10/21/1981	0.49
10/22/1981	0.56
10/23/1981	0.44
10/24/1981	0.65
10/25/1981	0.62
10/26/1981	0.67
10/27/1981	0.66
10/28/1981	0.66
10/29/1981	0.76
10/30/1981	0.76
10/31/1981	0.75
11/1/1981	0.62
11/2/1981	0.63
11/3/1981	0.57
11/4/1981	0.64
11/5/1981	0.73
11/6/1981	0.35
11/7/1981	0.85
11/8/1981	0.36
11/9/1981	0.33
11/10/1981	0.33
11/11/1981	0.38
11/12/1981	0.39
11/13/1981	0.36
11/14/1981	0.36
11/15/1981	0.33
11/16/1981	0.29
11/17/1981	0.29
11/18/1981	0.61
11/19/1981	0.8
11/20/1981	0.8
11/21/1981	0.8
11/22/1981	0.7
11/23/1981	0.7
11/24/1981	0.7
11/25/1981	0.7
11/26/1981	0.7
11/27/1981	0.7
11/28/1981	0.7
11/29/1981	0.65
11/30/1981	0.6
12/1/1981	0.5
12/2/1981	0.5

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

12/3/1981	0.5
12/4/1981	0.45
12/5/1981	0.4
12/6/1981	0.35
12/7/1981	0.35
12/8/1981	0.35
12/9/1981	0.35
12/10/1981	0.3
12/11/1981	0.3
12/12/1981	0.25
12/13/1981	0.2
12/14/1981	0.18
12/15/1981	0.17
12/16/1981	0.16
12/17/1981	0.15
12/18/1981	0.14
12/19/1981	0.13
12/20/1981	0.13
12/21/1981	0.13
12/22/1981	0.12
12/23/1981	0.11
12/24/1981	0.1
12/25/1981	0.09
12/26/1981	0.09
12/27/1981	0.09
12/28/1981	0.09
12/29/1981	0.09
12/30/1981	0.09
12/31/1981	0.09
1/1/1982	0.09
1/2/1982	0.09
1/3/1982	0.09
1/4/1982	0.09
1/5/1982	0.09
1/6/1982	0.08
1/7/1982	0.08
1/8/1982	0.08
1/9/1982	0.08
1/10/1982	0.08
1/11/1982	0.08
1/12/1982	0.08
1/13/1982	0.08
1/14/1982	0.08
1/15/1982	0.1
1/16/1982	0.3
1/17/1982	0.2
1/18/1982	0.2

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

1/19/1982	0.2
1/20/1982	0.15
1/21/1982	0.1
1/22/1982	0.1
1/23/1982	0.1
1/24/1982	0.1
1/25/1982	0.15
1/26/1982	0.2
1/27/1982	0.25
1/28/1982	0.25
1/29/1982	0.3
1/30/1982	0.3
1/31/1982	0.3
2/1/1982	0.3
2/2/1982	0.3
2/3/1982	0.3
2/4/1982	0.3
2/5/1982	0.15
2/6/1982	0.1
2/7/1982	0.2
2/8/1982	0.3
2/9/1982	0.41
2/10/1982	0.2
2/11/1982	0.15
2/12/1982	0.15
2/13/1982	0.15
2/14/1982	0.1
2/15/1982	0.15
2/16/1982	0.3
2/17/1982	0.4
2/18/1982	0.6
2/19/1982	1.5
2/20/1982	5
2/21/1982	20
2/22/1982	50
2/23/1982	65
2/24/1982	80
2/25/1982	65
2/26/1982	60
2/27/1982	55
2/28/1982	45
3/1/1982	40
3/2/1982	35
3/3/1982	30
3/4/1982	25
3/5/1982	20
3/6/1982	15

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

3/7/1982	12
3/8/1982	6.5
3/9/1982	4
3/10/1982	4.5
3/11/1982	5
3/12/1982	30
3/13/1982	220
3/14/1982	530
3/15/1982	870
3/16/1982	310
3/17/1982	140
3/18/1982	50
3/19/1982	45
3/20/1982	45
3/21/1982	25
3/22/1982	7
3/23/1982	3.5
3/24/1982	3
3/25/1982	3.5
3/26/1982	5
3/27/1982	9
3/28/1982	7
3/29/1982	490
3/30/1982	1600
3/31/1982	1150
4/1/1982	613
4/2/1982	352
4/3/1982	90
4/4/1982	76
4/5/1982	72
4/6/1982	59
4/7/1982	54
4/8/1982	46
4/9/1982	46
4/10/1982	55
4/11/1982	117
4/12/1982	250
4/13/1982	210
4/14/1982	134
4/15/1982	100
4/16/1982	72
4/17/1982	53
4/18/1982	39
4/19/1982	30
4/20/1982	34
4/21/1982	23
4/22/1982	17

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

4/23/1982	13
4/24/1982	10
4/25/1982	7.7
4/26/1982	6.2
4/27/1982	5.1
4/28/1982	4.4
4/29/1982	3.7
4/30/1982	3.3
5/1/1982	3.2
5/2/1982	2.9
5/3/1982	2.4
5/4/1982	2
5/5/1982	1.8
5/6/1982	1.5
5/7/1982	1.5
5/8/1982	1.4
5/9/1982	1.3
5/10/1982	1.4
5/11/1982	1.7
5/12/1982	10
5/13/1982	8.8
5/14/1982	8.5
5/15/1982	16
5/16/1982	60
5/17/1982	38
5/18/1982	25
5/19/1982	14
5/20/1982	9.7
5/21/1982	7.8
5/22/1982	6.2
5/23/1982	5.2
5/24/1982	4
5/25/1982	3.4
5/26/1982	3.4
5/27/1982	2.9
5/28/1982	2.3
5/29/1982	2.1
5/30/1982	1.9
5/31/1982	1.6
6/1/1982	1.5
6/2/1982	1.2
6/3/1982	0.93
6/4/1982	0.7
6/5/1982	0.54
6/6/1982	8.4
6/7/1982	22
6/8/1982	32

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

6/9/1982	131
6/10/1982	87
6/11/1982	46
6/12/1982	30
6/13/1982	20
6/14/1982	14
6/15/1982	11
6/16/1982	8.7
6/17/1982	7.5
6/18/1982	11
6/19/1982	10
6/20/1982	8.1
6/21/1982	5.5
6/22/1982	4.2
6/23/1982	3.2
6/24/1982	2.5
6/25/1982	1.9
6/26/1982	1.5
6/27/1982	1.3
6/28/1982	3.1
6/29/1982	3.7
6/30/1982	2.1
7/1/1982	2.1
7/2/1982	1.5
7/3/1982	1.2
7/4/1982	1.5
7/5/1982	1.7
7/6/1982	4.3
7/7/1982	6
7/8/1982	4.4
7/9/1982	100
7/10/1982	69
7/11/1982	42
7/12/1982	29
7/13/1982	17
7/14/1982	9.7
7/15/1982	6
7/16/1982	3.7
7/17/1982	2.5
7/18/1982	1.7
7/19/1982	1.2
7/20/1982	0.94
7/21/1982	0.58
7/22/1982	0.41
7/23/1982	0.24
7/24/1982	0.18
7/25/1982	0.15

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

7/26/1982	0.17
7/27/1982	0.46
7/28/1982	0.44
7/29/1982	0.36
7/30/1982	0.19
7/31/1982	0.17
8/1/1982	0.13
8/2/1982	0.12
8/3/1982	0.08
8/4/1982	0.03
8/5/1982	1.4
8/6/1982	19
8/7/1982	4.5
8/8/1982	2.2
8/9/1982	3
8/10/1982	1.6
8/11/1982	1.1
8/12/1982	0.96
8/13/1982	0.65
8/14/1982	0.37
8/15/1982	0.3
8/16/1982	0.24
8/17/1982	0.19
8/18/1982	0.2
8/19/1982	0.22
8/20/1982	0.23
8/21/1982	0.19
8/22/1982	0.17
8/23/1982	0.15
8/24/1982	0.15
8/25/1982	0.15
8/26/1982	0.15
8/27/1982	0.11
8/28/1982	0.12
8/29/1982	0.1
8/30/1982	0.55
8/31/1982	0.86
9/1/1982	0.94
9/2/1982	0.54
9/3/1982	0.45
9/4/1982	0.33
9/5/1982	0.27
9/6/1982	0.18
9/7/1982	0.18
9/8/1982	0.13
9/9/1982	0.13
9/10/1982	0.13

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

9/11/1982	0.07
9/12/1982	0.05
9/13/1982	0.07
9/14/1982	0.07
9/15/1982	0.07
9/16/1982	0.08
9/17/1982	0.08
9/18/1982	0.05
9/19/1982	0.03
9/20/1982	0.03
9/21/1982	0.06
9/22/1982	0.08
9/23/1982	0.1
9/24/1982	0.09
9/25/1982	0.07
9/26/1982	0.07
9/27/1982	0.14
9/28/1982	0.33
9/29/1982	0.53
9/30/1982	0.51
10/1/1982	0.29
10/2/1982	0.43
10/3/1982	0.62
10/4/1982	0.29
10/5/1982	1
10/6/1982	3.4
10/7/1982	4.7
10/8/1982	8
10/9/1982	49
10/10/1982	132
10/11/1982	121
10/12/1982	62
10/13/1982	42
10/14/1982	28
10/15/1982	19
10/16/1982	12
10/17/1982	7.4
10/18/1982	5
10/19/1982	4.5
10/20/1982	4.1
10/21/1982	3.7
10/22/1982	3
10/23/1982	2.3
10/24/1982	2.2
10/25/1982	1.8
10/26/1982	1.5
10/27/1982	1.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

10/28/1982	26
10/29/1982	52
10/30/1982	43
10/31/1982	27
11/1/1982	17
11/2/1982	11
11/3/1982	7.1
11/4/1982	4.8
11/5/1982	3.6
11/6/1982	3.1
11/7/1982	2.8
11/8/1982	2.6
11/9/1982	2.2
11/10/1982	2.1
11/11/1982	2
11/12/1982	1.8
11/13/1982	1.7
11/14/1982	1.4
11/15/1982	1.4
11/16/1982	1.4
11/17/1982	1.4
11/18/1982	1.5
11/19/1982	1.6
11/20/1982	1.7
11/21/1982	1.8
11/22/1982	1.9
11/23/1982	2
11/24/1982	2
11/25/1982	2.1
11/26/1982	2
11/27/1982	1.8
11/28/1982	1.5
11/29/1982	1.1
11/30/1982	0.85
12/1/1982	0.85
12/2/1982	0.92
12/3/1982	1
12/4/1982	1.1
12/5/1982	1.2
12/6/1982	1.2
12/7/1982	1.2
12/8/1982	1.2
12/9/1982	1.2
12/10/1982	1.2
12/11/1982	1.2
12/12/1982	1
12/13/1982	0.95

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

12/14/1982	0.88
12/15/1982	0.8
12/16/1982	0.78
12/17/1982	0.76
12/18/1982	0.74
12/19/1982	0.72
12/20/1982	0.72
12/21/1982	0.78
12/22/1982	0.82
12/23/1982	0.9
12/24/1982	0.95
12/25/1982	1
12/26/1982	1.1
12/27/1982	1.2
12/28/1982	1.3
12/29/1982	1.5
12/30/1982	1.6
12/31/1982	1.7
1/1/1983	1.8
1/2/1983	2
1/3/1983	2.1
1/4/1983	2.2
1/5/1983	2.4
1/6/1983	2.5
1/7/1983	2.6
1/8/1983	2.7
1/9/1983	2.8
1/10/1983	2.9
1/11/1983	3
1/12/1983	3
1/13/1983	3.1
1/14/1983	3.2
1/15/1983	3.3
1/16/1983	3.2
1/17/1983	3
1/18/1983	2
1/19/1983	1.5
1/20/1983	1
1/21/1983	0.8
1/22/1983	0.7
1/23/1983	0.6
1/24/1983	0.5
1/25/1983	0.4
1/26/1983	0.3
1/27/1983	0.25
1/28/1983	0.8
1/29/1983	0.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

1/30/1983	1
1/31/1983	0.4
2/1/1983	0.25
2/2/1983	0.15
2/3/1983	0.1
2/4/1983	0.05
2/5/1983	0.05
2/6/1983	0.03
2/7/1983	0.03
2/8/1983	0.03
2/9/1983	0.03
2/10/1983	0.03
2/11/1983	0.03
2/12/1983	0.2
2/13/1983	0.3
2/14/1983	130
2/15/1983	150
2/16/1983	160
2/17/1983	130
2/18/1983	110
2/19/1983	110
2/20/1983	100
2/21/1983	90
2/22/1983	70
2/23/1983	30
2/24/1983	20
2/25/1983	15
2/26/1983	8
2/27/1983	7.5
2/28/1983	7.5
3/1/1983	7
3/2/1983	7
3/3/1983	7
3/4/1983	10
3/5/1983	30
3/6/1983	280
3/7/1983	150
3/8/1983	30
3/9/1983	20
3/10/1983	20
3/11/1983	15
3/12/1983	100
3/13/1983	500
3/14/1983	240
3/15/1983	100
3/16/1983	80
3/17/1983	70

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

3/18/1983	60
3/19/1983	50
3/20/1983	40
3/21/1983	30
3/22/1983	24
3/23/1983	18
3/24/1983	14
3/25/1983	15
3/26/1983	31
3/27/1983	50
3/28/1983	42
3/29/1983	34
3/30/1983	39
3/31/1983	67
4/1/1983	62
4/2/1983	43
4/3/1983	31
4/4/1983	21
4/5/1983	14
4/6/1983	11
4/7/1983	9.4
4/8/1983	8
4/9/1983	7.4
4/10/1983	7
4/11/1983	6.4
4/12/1983	6.8
4/13/1983	7
4/14/1983	6.5
4/15/1983	6.7
4/16/1983	7.3
4/17/1983	8.2
4/18/1983	10
4/19/1983	13
4/20/1983	12
4/21/1983	9.8
4/22/1983	9.2
4/23/1983	6.8
4/24/1983	5.9
4/25/1983	5.1
4/26/1983	4.2
4/27/1983	3.9
4/28/1983	3.7
4/29/1983	3.4
4/30/1983	3.2
5/1/1983	3.2
5/2/1983	2.8
5/3/1983	2.7

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

5/4/1983	2.5
5/5/1983	2.5
5/6/1983	2.5
5/7/1983	2.4
5/8/1983	2.2
5/9/1983	2.1
5/10/1983	2
5/11/1983	2.1
5/12/1983	4.4
5/13/1983	9.8
5/14/1983	29
5/15/1983	30
5/16/1983	20
5/17/1983	14
5/18/1983	11
5/19/1983	7.6
5/20/1983	6
5/21/1983	5.4
5/22/1983	4.7
5/23/1983	4.3
5/24/1983	3.8
5/25/1983	3.1
5/26/1983	2.9
5/27/1983	2.5
5/28/1983	2.2
5/29/1983	1.8
5/30/1983	1.6
5/31/1983	1.5
6/1/1983	1.6
6/2/1983	1.5
6/3/1983	1.4
6/4/1983	1.2
6/5/1983	1.2
6/6/1983	1.1
6/7/1983	1.1
6/8/1983	1.1
6/9/1983	1
6/10/1983	1
6/11/1983	1.1
6/12/1983	0.95
6/13/1983	0.91
6/14/1983	0.81
6/15/1983	0.74
6/16/1983	0.85
6/17/1983	0.68
6/18/1983	0.58
6/19/1983	1.1

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

6/20/1983	2.2
6/21/1983	2.1
6/22/1983	2.7
6/23/1983	1.8
6/24/1983	1.5
6/25/1983	1.2
6/26/1983	1.1
6/27/1983	1
6/28/1983	0.93
6/29/1983	1.5
6/30/1983	1.7
7/1/1983	1.6
7/2/1983	1.6
7/3/1983	1.6
7/4/1983	1.5
7/5/1983	1.8
7/6/1983	1.6
7/7/1983	1.6
7/8/1983	1.6
7/9/1983	1.2
7/10/1983	1.1
7/11/1983	0.73
7/12/1983	0.44
7/13/1983	0.45
7/14/1983	0.45
7/15/1983	0.32
7/16/1983	0.25
7/17/1983	0.24
7/18/1983	0.8
7/19/1983	1.9
7/20/1983	1.3
7/21/1983	0.67
7/22/1983	0.56
7/23/1983	3.1
7/24/1983	3
7/25/1983	2.2
7/26/1983	1.4
7/27/1983	1.1
7/28/1983	0.91
7/29/1983	0.67
7/30/1983	0.63
7/31/1983	0.4
8/1/1983	0.33
8/2/1983	0.26
8/3/1983	0.18
8/4/1983	0.15
8/5/1983	0.12

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

8/6/1983	0.16
8/7/1983	0.14
8/8/1983	0.1
8/9/1983	0.1
8/10/1983	0.15
8/11/1983	0.12
8/12/1983	0.09
8/13/1983	0.04
8/14/1983	0
8/15/1983	0.01
8/16/1983	0.09
8/17/1983	0.14
8/18/1983	0.1
8/19/1983	0.06
8/20/1983	0.18
8/21/1983	0.18
8/22/1983	0.13
8/23/1983	0.17
8/24/1983	0.18
8/25/1983	0.16
8/26/1983	0.12
8/27/1983	0.12
8/28/1983	0.1
8/29/1983	0.1
8/30/1983	0.08
8/31/1983	0.07
9/1/1983	0.05
9/2/1983	0.05
9/3/1983	0.04
9/4/1983	0
9/5/1983	0
9/6/1983	0
9/7/1983	0
9/8/1983	0
9/9/1983	0
9/10/1983	0
9/11/1983	0
9/12/1983	0
9/13/1983	0
9/14/1983	0
9/15/1983	0
9/16/1983	0
9/17/1983	0.03
9/18/1983	0.03
9/19/1983	0.06
9/20/1983	0.1
9/21/1983	0.13

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

9/22/1983	0.16
9/23/1983	0.14
9/24/1983	0.13
9/25/1983	0.15
9/26/1983	0.14
9/27/1983	0.11
9/28/1983	0.1
9/29/1983	0.65
9/30/1983	0.38
10/1/1983	0.15
10/2/1983	0.74
10/3/1983	3
10/4/1983	7.5
10/5/1983	5.7
10/6/1983	4.7
10/7/1983	4.6
10/8/1983	4.5
10/9/1983	4.1
10/10/1983	4.2
10/11/1983	3.8
10/12/1983	3.7
10/13/1983	3.4
10/14/1983	3.5
10/15/1983	4.2
10/16/1983	4.5
10/17/1983	4.2
10/18/1983	4
10/19/1983	4.1
10/20/1983	4.2
10/21/1983	4.2
10/22/1983	4.4
10/23/1983	4.2
10/24/1983	4.1
10/25/1983	4.5
10/26/1983	3.8
10/27/1983	3.8
10/28/1983	4.2
10/29/1983	4.1
10/30/1983	4.4
10/31/1983	4.6
11/1/1983	4.2
11/2/1983	6
11/3/1983	5
11/4/1983	5
11/5/1983	5.5
11/6/1983	6.2
11/7/1983	5.7

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

11/8/1983	5.8
11/9/1983	5.9
11/10/1983	2.3
11/11/1983	0.71
11/12/1983	0.96
11/13/1983	1
11/14/1983	1.1
11/15/1983	1.1
11/16/1983	1.1
11/17/1983	1.1
11/18/1983	1.1
11/19/1983	1.1
11/20/1983	1.1
11/21/1983	1.3
11/22/1983	1.4
11/23/1983	1.4
11/24/1983	1.4
11/25/1983	1.4
11/26/1983	1.4
11/27/1983	1.4
11/28/1983	1.4
11/29/1983	1.4
11/30/1983	1
12/1/1983	1.1
12/2/1983	1.3
12/3/1983	1.4
12/4/1983	1.4
12/5/1983	1.4
12/6/1983	1.8
12/7/1983	1.8
12/8/1983	1.7
12/9/1983	2
12/10/1983	2.2
12/11/1983	1.6
12/12/1983	2.1
12/13/1983	2.2
12/14/1983	1.5
12/15/1983	1.3
12/16/1983	1.1
12/17/1983	0.94
12/18/1983	0.81
12/19/1983	0.53
12/20/1983	0.36
12/21/1983	0.84

USGS Surface Water Station 06340500 Knife River at Hazen, ND - Selected Parameters

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
105 parameters USGS Parameter Code:	-10	-20	-60	-61	Unfiltered -70	Unfiltered -76	Unfiltered -95
10/20/1949				37			1280
3/24/1950				1550			277
3/26/1950				2570			224
4/15/1950				4720			234
4/19/1950				10500			226
4/22/1950				1730			415
5/18/1950				357			899
6/15/1950				117			1230
8/8/1950				50			1390
8/14/1950				72			1350
9/5/1950				44			1290
10/2/1950				47			1370
10/31/1950				44			1420
1/15/1951				29			1700
2/6/1951				25			1620
3/31/1951				7600			170
4/6/1951				7350			213
4/9/1951				1860			341
6/8/1951				575			669
9/6/1951				105			934
9/29/1969 16:15			31				1290
10/14/1969 16:00	6.0		35				1340
11/12/1969 13:30	2.0		38				1420
12/9/1969 14:45	1.0		34				1700
1/7/1970 15:30	1.0		25				1810
2/5/1970 14:50	1.0		23				1850
3/4/1970 15:05	1.0		25				1790
4/17/1970 11:35	7.0		214				974
5/12/1970 15:25	8.0		5930				529
6/11/1970 11:45			146				1690
7/6/1970 13:40			106				1360
8/3/1970 14:30			199				1230
10/20/1970 14:45	7.0		51				1590
11/16/1970 15:00	1.0		50				1730
12/15/1970 15:00	0.0		35				2110
1/12/1971 15:05	0.0		21				2090
2/11/1971 14:45	1.0		13				1900
3/19/1971 15:05	2.0		2790				324
4/13/1971 17:15	9.0		340				945
5/4/1971 11:15	11.0		16				1380
6/3/1971 13:10	20.0		70				1630
7/7/1971 18:30	22.0		92				1370
8/4/1971 16:10	24.0		36				1410
9/8/1971 15:00	17.0		59				1460
10/6/1971 10:05	11.0		169				1750
3/22/1972 13:40	5.0		1380				400
4/21/1972 16:35	10.0		191				1160

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
5/17/1972 14:15	20.5		273				1750
6/23/1972 12:40	18.0		305				848
7/13/1972 10:35	21.0		67				1350
8/22/1972 14:25	22.0		264				880
9/20/1972 10:45	14.0		40				1390
10/16/1972 15:05	6.5		69				1450
11/21/1972 15:40	0.5		54				1500
12/21/1972 12:00	0.0		33				1700
1/22/1973 13:10	0.0		133				1150
2/23/1973 16:30	1.0		532				750
3/1/1973 17:15	2.0		2390				320
3/7/1973 14:45	1.5		1520				300
3/15/1973 16:05	1.0		428				650
4/18/1973 14:00	11.5		79				1470
5/23/1973 18:00	15.5		43				1720
6/22/1973 10:50	19.5		53				1990
7/17/1973 15:40	25.0		20				2150
8/21/1973 12:20	21.5		15				1530
9/18/1973 8:50	10.0		17				1520
10/24/1973 10:05	9.5			23			1530
11/19/1973 15:55	0.5			34			1640
12/17/1973 16:10	0.0			22			1830
1/22/1974 14:00	0.0			685			540
2/13/1974 16:35	0.0			52			930
3/21/1974 9:30	0.0			220			690
4/18/1974 15:40	11.0			129			990
4/26/1974 8:30	14.0	22.0		125			1400
5/17/1974 10:00	10.5	5.0		111			1640
6/25/1974 9:50	22.0	24.0		28			1600
7/16/1974 12:50	26.5	24.0		15			1450
8/21/1974 10:30	14.5			16			1480
9/17/1974 16:15	19.0			13			1480
10/1/1974 13:30	10.5			14		20	1700
10/22/1974 13:00							
10/22/1974 13:00	8.0			14			1750
11/5/1974 12:15	1.0			26		15	1980
11/30/1974 10:25							
11/30/1974 10:25	0.5			31			2300
12/4/1974 11:30	0.0			23		15	2450
12/18/1974 12:25							
12/18/1974 12:25	0.0			23			2270
1/15/1975 12:15	0.0			12		25	2700
1/16/1975 11:35							
1/16/1975 11:35	0.0			12			2650
2/6/1975 13:30	0.0			10		20	2900
2/12/1975 12:30							
2/12/1975 12:30	0.0			7.6			3100
3/5/1975 10:45	0.5			16		20	2250
4/2/1975 13:00							
4/2/1975 13:00	0.0			22			1600
4/17/1975 10:30	0.5			1350		230	525

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
4/17/1975 15:45	0.0			1230			435
4/22/1975 11:10				6210			300
4/24/1975 13:20	4.0			6300			380
4/29/1975 13:30							
4/29/1975 13:30	6.0			5840			460
5/21/1975 12:00	10.5			220		80	1350
5/21/1975 12:45							
5/21/1975 12:45	13.0			224	130		1300
6/23/1975 12:45	20.5			432		350	1450
6/27/1975 11:00							
6/27/1975 11:00	20.0			183	45		1750
7/23/1975 11:00							
7/23/1975 11:00	22.0			66	35		1380
7/24/1975 11:00	19.5			62		35	1350
8/26/1975 12:20							
8/26/1975 12:20	17.5			133	25		1650
9/23/1975 11:45	11.0			31		25	1300
10/1/1975 12:00							
10/1/1975 12:00	11.0			38	15		1400
10/9/1975 10:50	5.0	0.5		35			1200
10/22/1975 14:00	8.5			46	10		1500
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15	0.5	2.5		40			1900
11/25/1975 13:30							
11/25/1975 13:30	0.0			45	4		1900
12/11/1975 9:45	0.0	-8.0		39			1920
12/30/1975 14:15							
12/30/1975 14:15	0.0			36	6		2000
1/21/1976 12:00							
1/21/1976 12:00	0.0			35	7		2100
2/18/1976 14:30							
2/18/1976 14:30	0.0			E 260	60		925
3/30/1976 13:15							
3/30/1976 13:15	6.5			248	88		725
4/21/1976 12:30							
4/21/1976 12:30	7.0			161	16		1500
5/18/1976 12:30							
5/18/1976 12:30	18.0			50	10		1600
6/22/1976 11:30							
6/22/1976 11:30	21.0			55	40		1550
7/8/1976 9:45							
7/8/1976 9:45	21.0			33	20		1640
7/20/1976 11:10							
7/20/1976 11:10	23.0			26	20		1600
8/26/1976 10:15							
8/26/1976 10:15	20.0			16	20		1520
9/22/1976 12:00							
9/22/1976 12:00	14.0			96	750		1000
10/20/1976 11:00							
10/20/1976 11:00	3.0			20	7		1420

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
11/30/1976 12:40							
11/30/1976 12:40	0.0			18	8		1880
12/21/1976 13:10							
12/21/1976 13:10	0.0			18	8		2000
1/18/1977 12:20							
1/18/1977 12:20	0.0			14	7		2260
2/15/1977 12:20							
2/15/1977 12:20	0.0			21	6		2120
3/15/1977 14:05	0.5			283			635
3/22/1977 12:50	0.5	2.0		170	75	60	880
4/19/1977 12:00	11.5			68	30	30	1510
5/25/1977 12:45							
5/25/1977 12:45	24.0			31	20	20	1700
6/23/1977 12:00							
6/23/1977 12:00	22.0			175	280	280	790
7/20/1977 13:00							
7/20/1977 13:00	24.5			45	40	45	1170
8/23/1977 11:35							
8/23/1977 11:35	15.5			12	30	31	1380
9/22/1977 10:20							
9/22/1977 10:20	13.0			39	60	60	1500
10/26/1977 12:30	9.0			30			1370
11/25/1977 13:00	0.0			25			1620
12/22/1977 12:40	0.0	-4.0		32			2040
1/24/1978 15:45	0.0			15			2150
2/22/1978 10:45	0.0	2.5		14			2000
3/20/1978 15:15	0.5			122			1340
3/23/1978 13:30	0.5			3800			280
3/25/1978 12:30	1.0			4680			280
3/28/1978 15:50	2.0			10200			240
3/29/1978 16:10	4.0						325
3/30/1978 13:20	4.5			8690			340
4/4/1978 15:30							
4/4/1978 15:30	5.0	12.5		1870			535
4/27/1978 13:25	13.0	21.0		246		23	1400
5/23/1978 13:35							
5/23/1978 13:35	21.0	25.0		160		28	1490
6/9/1978 11:20	20.0						1460
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	24.5	30.0		111		36	1490
7/26/1978 12:00							
7/26/1978 12:00	24.0	26.0		72		25	1310
8/22/1978 11:00							
8/22/1978 11:00	19.0	24.0		34		19	1480
9/26/1978 12:20							
9/26/1978 12:20	14.5	17.0		63		40	1040
10/24/1978 12:20	7.5	25.5		40		4.1	1510
11/30/1978 13:20							
11/30/1978 13:20	0.0	-11.0		34		3	1920
12/19/1978 13:00	0.0	-8.0		27		4.4	2150

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
1/23/1979 13:45	0.0	-17.0		26		3.3	2000
2/21/1979 13:20	0.0	-10.0		20		4.1	2000
3/21/1979 11:10	0.0			1130			460
3/30/1979 10:10	0.5			666			545
4/11/1979 13:10							
4/11/1979 13:10	0.0	0.0		1580		240	572
4/18/1979 15:05	3.0			5340		420	373
5/24/1979 9:00							
5/24/1979 9:00	14.0	19.0		102		16	1610
6/27/1979 13:30							
6/27/1979 13:30	22.0	29.0		267		400	900
7/26/1979 13:20							
7/26/1979 13:20	24.0			52		26	1360
8/29/1979 12:20							
8/29/1979 12:20	20.5	22.5		41		18	1460
9/20/1979 12:35							
9/20/1979 12:35	15.5	18.0		28		15	1480
10/23/1979 8:40	4.0	1.5		26		5.5	1610
11/20/1979 14:35							
11/20/1979 14:35	0.5			69		10	1830
12/20/1979 12:10	0.0	5.5		24		4.8	2090
1/22/1980 12:25	0.0	-4.0		16		4.4	2220
2/26/1980 16:45	0.0	-2.0		19		3.7	2100
3/24/1980 12:55							
3/24/1980 12:55	0.5	6.5		180		26	1350
4/23/1980 12:30	16.5	17.0		53		26	1460
5/28/1980 11:25							
5/28/1980 11:25	21.5	28.0		17		26	1630
6/24/1980 11:00							
6/24/1980 11:00	23.0	26.0		61		190	1040
7/22/1980 10:35							
7/22/1980 10:35	22.0	28.0		17			1420
7/22/1980 11:35	22.0	28.0		17		14	1420
8/21/1980 8:25							
8/21/1980 8:25	17.0	18.5		19		17	1490
9/23/1980 11:35							
9/23/1980 11:35	13.0	16.0		15		1.9	1540
10/21/1980 12:25	7.0	7.0		76		5.7	1650
11/25/1980 12:05							
11/25/1980 12:05	0.0	6.0		28		9.8	1900
12/23/1980 13:00	0.0			15		5.1	2200
2/4/1981 11:35	0.0	-6.0		18		9.7	2350
2/20/1981 11:05	1.0			519			700
2/24/1981 13:10	0.5	2.5		233		100	680
3/24/1981 12:40							
3/24/1981 12:40	7.5	14.0		50		31	935
4/21/1981 12:10	14.0	22.5		23		16	1400
5/19/1981 12:40							
5/19/1981 12:40	19.0	22.0		19		6	1570
7/1/1981 16:30							
7/1/1981 16:30	28.5	33.0		23		30	2080

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
7/21/1981 12:15							
7/21/1981 12:15	25.5	30.0		58		110	1070
8/27/1981 9:20							
8/27/1981 9:20	20.0	18.0		79		130	1140
9/30/1981 14:05							
9/30/1981 14:05	12.0			21		18	1320
11/17/1981 10:25	1.5	5.0		18		2.7	1600
1/12/1982 13:10	0.0	-18.0		10		5	2170
2/9/1982 14:40	0.0	-21.0		10		3.1	2080
3/15/1982 17:40	0.0			4190			225
3/23/1982 14:10	0.0	2.0		340		76	315
3/31/1982 17:10	0.0			9400			180
4/12/1982 16:55	2.0			4440			350
4/14/1982 12:40	4.5			6300			270
4/23/1982 14:40	11.5			592			810
5/5/1982 13:35	14.5	23.5		152		30	1200
6/15/1982 14:30	21.5	24.0		447		440	930
8/10/1982 10:45	18.0	21.0		81		30	1310
9/14/1982 13:45	14.0			33			1350
10/20/1982 14:10	7.0	3.0		132			1420
12/1/1982 12:45	0.0	0.0		72		1	1840
1/11/1983 11:25	0.0	-14.0		190			1420
3/3/1983 10:40	0.5			134			
3/3/1983 11:00	0.5	3.0		134		23	990
3/16/1983 10:30	0.0	0.0		2710			500
4/6/1983 16:45	6.0	11.0		219			1170
5/18/1983 10:06	11.5	16.0		340		48	
7/6/1983 12:30	28.0	28.0		162			1260
7/6/1983 13:06	27.1	27.0		162			1290
7/6/1983 13:07	27.2						1280
7/6/1983 13:08	27.2						1280
7/6/1983 13:09	27.2						1280
7/6/1983 13:10	27.3						1280
7/6/1983 13:11	27.3						1280
7/6/1983 13:12	27.3						1280
7/6/1983 13:13	27.3						1280
7/6/1983 13:14	27.3						1280
7/6/1983 13:15	27.3						1280
7/6/1983 13:16	27.4						1280
7/6/1983 13:17	27.4						1280
7/6/1983 13:18	27.5						1280
7/6/1983 13:19	27.5						1280
7/6/1983 13:20	27.5						1280
7/6/1983 13:21	27.5						1280
7/6/1983 13:22	27.6						1280
7/6/1983 13:23	27.6						1280
7/6/1983 13:24	27.6						1280
7/6/1983 13:25	27.6						1280
7/6/1983 13:26	27.7						1280
7/6/1983 13:27	27.7						1280
7/6/1983 13:28	27.7						1280

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
7/6/1983 13:29	27.7						1280
7/6/1983 13:30	27.7						1280
7/6/1983 13:31	27.7						1280
7/6/1983 13:32	27.7						1280
7/6/1983 13:33	27.7						1280
7/6/1983 13:34	27.8						1280
7/6/1983 13:35	27.8						1280
7/6/1983 13:36	27.8						1280
7/6/1983 13:37	27.8						1280
7/6/1983 13:38	27.8						1280
7/6/1983 13:39	27.8						1280
7/6/1983 13:40	27.8						1280
7/6/1983 13:41	27.8						1280
7/6/1983 13:42	27.8						1280
7/6/1983 13:43	27.8						1280
7/6/1983 13:44	27.8						1280
7/6/1983 13:45	27.9						1280
7/6/1983 13:46	27.8						1280
8/17/1983 9:10	22.0	28.0		33			1530
10/6/1983 10:24	8.0	12.0		49			1500
11/8/1983 16:05	5.5	4.0		41			1820
12/22/1983 12:50	0.0	-19.0		24			1360
1/24/1984 14:50	0.0	2.0		28			1550
2/3/1984 14:34	0.0	0.5		842			
3/13/1984 9:26	0.0	-4.0		51		12	1160
3/13/1984 10:40	0.0	-4.0		50			1080
3/13/1984 10:43	0.0						1110
3/13/1984 10:45	0.0						1050
3/13/1984 10:47	0.0						1090
3/13/1984 10:50	0.0						1060
3/13/1984 10:51	0.0						1090
3/13/1984 10:52	0.0						1120
3/13/1984 10:53	0.0						1060
3/13/1984 10:55	0.0						1030
3/13/1984 10:57	0.0						1120
3/13/1984 11:00	0.0						1110
3/13/1984 11:02	0.0						1120
3/13/1984 11:05	0.0						1120
3/13/1984 11:07	0.0						1110
3/13/1984 11:10	0.0						1100
3/13/1984 11:13	0.0						1120
3/13/1984 11:15	0.0						1100
3/13/1984 11:17	0.0						1100
3/13/1984 11:20	0.0						1110
3/13/1984 11:23	0.0						1110
3/13/1984 11:25	0.0						1100
3/13/1984 11:30	0.0						1110
3/13/1984 11:32	0.0						1110
3/13/1984 11:35	0.0						1110
3/23/1984 8:48	1.0	7.0		1770			590
3/27/1984 10:58	1.0	1.5		519			575

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
4/4/1984 11:20	5.0	16.0		162			900
4/24/1984 8:47	13.0	16.5		90			1760
4/24/1984 10:05	13.0	16.5		90			1780
4/24/1984 10:10	13.0						1760
4/24/1984 10:13							
4/24/1984 10:15	13.0						1760
4/24/1984 10:18							
4/24/1984 10:20	13.0						1760
4/24/1984 10:23							
4/24/1984 10:25	13.0						1770
4/24/1984 10:28							
4/24/1984 10:30	13.0						1760
4/24/1984 10:33	13.0						1760
4/24/1984 10:37	13.0						1750
4/24/1984 10:40	13.0						1750
4/24/1984 10:42	13.0						1780
6/7/1984 9:48	16.0	23.0		64			1610
7/11/1984 12:28	24.5	32.0		54			1590
8/28/1984 8:36	19.5	20.5		30		23	1670
8/28/1984 9:00	19.5	20.5		30			1680
8/28/1984 9:03	19.5						1660
8/28/1984 9:07	19.5						1650
8/28/1984 9:10	19.5						1650
8/28/1984 9:14	19.5						1650
8/28/1984 9:17	19.5						1650
8/28/1984 9:21	19.5						1660
8/28/1984 9:24	19.5						1650
8/28/1984 9:28	19.5						1650
8/28/1984 9:31	19.5						1650
8/28/1984 9:33	19.5						1650
10/3/1984 10:25	10.0	16.0		28			1700
11/6/1984 9:10	0.0	-6.5		36		5.6	2070
11/6/1984 9:50	0.0						2070
11/6/1984 9:53	0.0						2070
11/6/1984 9:57	0.0						2070
11/6/1984 10:00	0.0						2070
11/6/1984 10:03	0.0						2070
11/6/1984 10:07	0.0						2090
11/6/1984 10:10	0.0						2040
11/6/1984 10:14	0.0						2030
11/6/1984 10:17	0.0						2080
11/6/1984 10:21	0.0						2090
11/6/1984 10:26	0.0						2080
12/19/1984 13:40	0.0	-2.0		20			2400
2/6/1985 10:08	0.0	-15.5		7.1		3.8	2400
2/6/1985 10:15	0.0						2350
2/6/1985 10:17	0.0						2380
2/6/1985 10:19	0.0						2400
2/6/1985 10:21	0.0						2400
2/28/1985 10:36	1.5	10.0		200			795
3/15/1985 8:48	0.5	10.0		416			810

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
3/21/1985 13:46	0.5	17.0		280			1080
4/30/1985 8:54	14.0	14.0		65			1850
4/30/1985 9:20	13.3						1850
4/30/1985 9:24	13.3						1850
4/30/1985 9:28	13.3						1850
4/30/1985 9:32	13.3						1850
4/30/1985 9:36	13.3						1850
4/30/1985 9:40	13.3						1850
4/30/1985 9:44	13.3						1850
4/30/1985 9:48	13.3						1850
4/30/1985 9:52	13.3						1850
4/30/1985 9:56	13.3						1850
4/30/1985 10:00	13.3						1850
4/30/1985 10:04	13.3						1850
6/11/1985 9:01	16.0	14.5		72			2090
8/5/1985 10:31	20.5	28.0		31			1350
9/10/1985 8:49	11.0	15.0		17			1530
9/10/1985 9:20	11.1						1540
9/10/1985 9:25	11.1						1530
9/10/1985 9:30	11.1						1530
9/10/1985 9:34	11.1						1530
9/10/1985 9:39	11.1						1530
9/10/1985 9:44	11.1						1530
9/10/1985 9:49	11.1						1530
9/10/1985 9:54	11.1						1520
9/10/1985 9:58	11.1						1530
10/22/1985 9:51	9.0	16.5		71		13	1910
12/10/1985 9:46	0.0	-9.0		27			2320
1/28/1986 10:25	0.1	0.2		31		5.1	2410
3/1/1986 12:18	0.2	6.0		5220			290
3/5/1986 11:46	1.0	5.0		6950			350
3/11/1986 9:10	2.0	7.5		702			560
4/22/1986 8:55	12.0	20.0		425			2000
6/10/1986 11:28	21.0	24.5		117			1540
7/22/1986 9:41	23.0	27.5		256		150	1470
8/19/1986 9:23	22.5	26.5		42			1490
9/3/1986 13:55	20.0	21.5		33			1680
10/28/1986 10:13	8.0	17.0		58		7	1580
12/16/1986 11:14	1.5	1.0		50			2380
1/27/1987 11:27	1.5	4.5		34		2.6	2360
4/27/1987 12:27	16.0	20.0		106			1400
5/5/1987 10:21	16.5	25.0		101		1.2	1490
6/10/1987 13:01	20.0	23.0		56			1760
7/28/1987 10:36	24.5	26.0		203		74	1660
9/9/1987 8:46	14.5	10.0		40			1460
10/6/1987 13:27	10.0	15.5		31			1580
11/24/1987 11:00	1.0	9.0		49		0.3	1930
1/7/1988 10:30	0.0	-7.5		10			2470
2/23/1988 12:45	0.0	-6.0		24		3.9	1920
3/30/1988 9:08	1.0	2.0		140			1400
4/12/1988 10:53	10.5	15.5		68		12	1340

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
5/31/1988 14:36	26.5	31.0		30			2100
7/5/1988 14:23	30.5	30.5		30			1820
8/16/1988 10:19	24.0	29.0		10		17	1760
10/11/1988 13:15	9.5	13.0		18			1780
11/15/1988 11:45	0.5	-2.5		24		7.2	1940
1/4/1989 12:43	0.0	3.0		17			2370
2/28/1989 11:20	0.0	-7.0		14		3.6	2150
3/10/1989 14:39	0.5	14.0		211			1500
3/13/1989 11:37	0.5	3.5		442			1010
4/3/1989 12:00	1.0	7.0		324			790
4/25/1989 10:49	13.0	14.5		53		21	1480
6/22/1989 9:46	17.5	16.5		22			1670
8/1/1989 10:10	26.0	32.0		14		28	1260
9/5/1989 12:00	20.0	22.0		24			1540
10/2/1989 14:00	11.0	9.5		9.3			1540
11/28/1989 12:03	0.5	-3.5		17		4	2060
11/28/1989 12:25	1.0						2070
11/28/1989 12:27	0.5						2050
11/28/1989 12:30	0.5						2060
11/28/1989 12:32	0.5						2060
11/28/1989 12:35	0.5						2050
11/28/1989 12:37	0.5						2050
11/28/1989 12:40	0.5						2060
11/28/1989 12:42	0.5						2060
11/28/1989 12:45	0.5						2050
1/9/1990 11:42	0.0	2.0		16			2350
2/13/1990 11:50	0.0	-10.0		16		1.9	2450
3/14/1990 11:55	0.0	1.0		66			1710
3/20/1990 10:50	3.5	10.5		56			1500
4/4/1990 12:39	9.0	11.0		34			1560
4/10/1990 11:12	4.5	1.0		26		3.5	1580
5/29/1990 10:19	19.5	25.0		303			2340
6/1/1990 8:05	19.0	19.0		86			1260
6/20/1990 12:31	18.0	25.0		741			720
6/26/1990 13:45	28.0	38.0		69			1180
8/21/1990 9:07	20.0	20.0		7.3		8.5	1440
8/21/1990 10:24	19.6						1420
8/21/1990 10:26	19.7						1420
8/21/1990 10:28	19.8						1420
8/21/1990 10:30	19.8						1420
8/21/1990 10:32	19.6						1420
8/21/1990 10:34	19.6						1420
8/21/1990 10:36	19.8						1420
8/21/1990 10:38	19.8						1420
11/27/1990 11:52	0.0	-3.5		16		4.5	1750
1/8/1991 11:45	0.0	-17.5		4.9			2050
2/12/1991 10:40	0.0	5.0		24		9.5	2350
3/19/1991 11:07	0.5	13.5		74			1550
3/27/1991 10:10	1.0	2.5		43			1360
4/9/1991 10:24	11.0	15.0		30		14	1560
6/4/1991 11:04	20.0	17.0		20			1710

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
7/15/1991 12:50		38.0		10			2080
9/10/1991 8:30	16.0	14.5		3.9		9.7	1520
10/8/1991 14:18	11.5	22.0		10			1370
11/19/1991 11:32	0.0	7.5		37		53	2100
1/21/1992 11:08	0.0	0.0		12			2360
2/4/1992 12:13	0.0	7.0		26			2230
2/18/1992 12:50	0.0	-2.0		16		19	2010
4/7/1992 13:30	7.0	9.0		29			1280
6/2/1992 12:50	26.0	29.0		9.9		19	1660
7/14/1992 15:35	28.5	29.0		19			1660
8/10/1992 13:30	24.5	28.0		6.7		9.5	1470
10/7/1992 11:30	9.5	9.5		4.8		5.6	1610
10/7/1992 11:32	9.6						1610
10/7/1992 11:34	9.6						1610
10/7/1992 11:36	9.5						1610
10/7/1992 11:38	9.5						1610
10/7/1992 11:40	9.5						1610
10/7/1992 11:42	9.4						1610
10/7/1992 11:44	9.4						1610
10/7/1992 11:46	9.3						1610
10/7/1992 11:48	9.3						1610
10/13/1992 11:50	8.0	9.0		5.8			1620
11/17/1992 16:30	2.5	2.5		17			1770
1/4/1993 15:10	0.5	-15.0		7.5			2300
2/18/1993 12:15	0.5	-4.0		8.5		4.7	2310
2/18/1993 14:00	0.4						2380
2/18/1993 14:02	0.4						2390
2/18/1993 14:04	0.4						2380
2/18/1993 14:06	0.4						2360
2/18/1993 14:08	0.4						2320
3/5/1993 10:50	1.0	8.0		236			1730
4/20/1993 12:30	9.5	10.0		39		18	1460
4/20/1993 12:35	9.9						1470
4/20/1993 12:37	9.9						1470
4/20/1993 12:39	9.8						1470
4/20/1993 12:41	9.8						1470
4/20/1993 12:43	9.7						1470
4/20/1993 12:45	9.7						1470
4/20/1993 12:47	9.7						1470
4/20/1993 12:49	9.7						1470
5/27/1993 13:45	13.0	11.0		26			1700
7/22/1993 11:25	18.0			1250			680
7/23/1993 17:45	19.0	21.0		2260			448
8/16/1993 12:55	24.5	28.0		103		5.5	1100
8/16/1993 13:00	24.5						1120
8/16/1993 13:02	24.5						1120
8/16/1993 13:04	24.5						1120
8/16/1993 13:06	24.5						1120
8/16/1993 13:08	24.4						1120
8/16/1993 13:10	24.4						1120
8/16/1993 13:12	24.4						1120

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
8/16/1993 13:14	24.5						1120
8/16/1993 13:16	24.4						1120
8/16/1993 13:18	24.4						1120
10/13/1993 13:35	9.0	17.0		22		2	1680
11/15/1993 12:45		8.0		42			1760
1/13/1994 14:15		-18.0		25			2410
3/2/1994 11:45		6.0		20			2010
3/10/1994 15:00		-2.0		253			785
3/15/1994 12:00		8.0		1840			660
3/21/1994 14:30	2.5	8.0		1320			617
5/25/1994 17:05		21.5		52			1890
8/16/1994 14:17		31.0		13			
10/6/1994 14:15	13.0	14.0		27			1430
10/19/1994 12:35	11.5			1840			672
11/17/1994 11:10	4.0	6.5		39			1580
1/4/1995 15:45	0.0	-3.0		18			
3/16/1995 11:45				1010			628
3/21/1995 12:40	5.0	8.0		244			667
5/24/1995 13:40	15.0	18.5		258			1240
7/19/1995 11:20	21.5	19.5		207			1990
8/31/1995 11:30	22.5	22.0		118			1540
10/2/1995 10:50	11.0	12.0		37			1660
11/8/1995 12:45	1.0	-5.0		44			1780
1/2/1996 16:00	0.0	-5.0		24			1960
2/22/1996 12:15	0.0	6.5		945			308
4/8/1996 12:50	2.0	5.0		95			1140
4/13/1996 9:45	3.0	3.0		837			1570
5/15/1996 16:30	21.0	18.0		116			1920
6/27/1996 12:20	23.5	30.0		59			1770
8/6/1996 15:55	22.2	22.5		36			
9/5/1996 10:35	22.0	25.5		18			1650
10/22/1996 14:35	4.0	7.7		38			1870
12/19/1996 14:50	0.0	-5.0		16			230
2/28/1997 15:50	0.0	-5.0		21			215
3/23/1997 15:35	0.5	1.0		20400			215
3/26/1997 17:15	2.0	11.0		3590			207
4/2/1997 15:35	6.0	6.5		1100			812
4/18/1997 17:15	3.5	12.5		1970			966
6/18/1997 9:55	18.5	16.5		64			1650
7/28/1997 13:35	24.5	26.0		93			1180
8/27/1997 10:25	21.0	29.5		40			1400
10/20/1997 15:20	6.5	9.0		41			1780
12/12/1997 12:30	0.5	3.0		57			
2/6/1998 12:10	0.0	3.5		28			214
3/28/1998 14:15	3.7	5.0		529			1130
5/5/1998 15:05	17.0	19.0		52			1230
6/16/1998 13:40	22.0			45			1430
7/20/1998 10:40	25.3	25.9		38			1370
9/10/1998 14:25	24.3	29.6		23			1180
10/6/1998 13:50	9.2	10.1		65			1280
1/14/1999 14:15	0.1	< -5.0		22			1990

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
3/15/1999 17:00	1.3	9.5		1350			662
3/18/1999 9:30	0.5	7.0		4430			309
3/19/1999 16:45	1.9	9.5		4080			324
4/6/1999 14:10	6.5	8.5		185			1070
5/24/1999 15:05	18.6	22.5		233			1410
7/16/1999 17:05	24.0	21.0		38			1870
9/20/1999 12:00	12.0	14.0		48			1740
10/21/1999 11:30	4.5	5.0		48			1910
1/18/2000 11:50	0.0	-5.0		37			1890
4/6/2000 12:50	7.0	5.0		67			1850
5/3/2000 11:30	10.0	15.0		64			2050
5/31/2000 11:30	30.0	30.0		38			2350
8/21/2000 13:10	21.0	23.0		19			1940
9/27/2000 11:00	9.7	9.0		25			1760
11/27/2000 13:20	1.0	-2.0		41			2330
2/28/2001 13:05	0.0	-3.0		21			2170
3/23/2001 16:15		-3.0		629			790
4/23/2001 13:30	8.0	15.0		129			1560
6/6/2001 11:35	17.0	18.0		57			1990
7/17/2001 12:55	25.1	31.0		62			1630
9/11/2001 13:00				27			1420
10/22/2001 13:15	6.6	7.0		33			1860
12/10/2001 13:30	0.0	-3.0		35			2290
1/24/2002 12:25	0.0	1.0		26			2480
4/2/2002 16:45	1.0	-10.0		162			1830
4/12/2002 11:45	3.0	10.0		141			1220
5/9/2002 11:30	10.0	3.0		83			1950
6/12/2002 10:35	15.4	14.5		863			1870
7/12/2002 11:00	22.7	25.0		35			1650
8/15/2002 11:15	19.0	21.0		23			1170
9/24/2002 13:40	9.9	11.5		19			1710
11/18/2002 13:10	3.0	1.0		45			1880
1/16/2003 13:30	0.5	-8.0		20			2120
2/26/2003 12:40	0.0	10.0		12			2240
3/18/2003 14:15	1.0	3.0		3840			354
3/24/2003 11:50	3.0	3.0		60			427
4/28/2003 11:35	10.0	2.0		66			1170
6/13/2003 14:30	21.0	28.0		74			1880
7/16/2003 13:30	24.8	26.0		24			1590
9/3/2003 13:30	17.2	20.0		9.5			1660
9/30/2003 11:10	7.3	2.4		15			1890
11/19/2003 13:20	0.0	10.0		24			2320
1/9/2004 13:50	0.0	-10.0		16			2340
2/25/2004 11:15	0.5	-3.0		19			2230
3/22/2004 11:40	1.0	5.0		791			660
4/8/2004 14:45	5.0	10.0		107			1340
5/19/2004 12:30	15.5	16.0		39			1900
6/28/2004 14:30	20.6	25.0		21			1940
8/25/2004 15:00	19.0	25.0		18			1720
9/23/2004 15:30	13.0	12.5		16			1770
3/29/2005 12:00	1.8	11.0		723			715

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Water Temp degC	Air Temp degC	Discharge cfs	Instant. Discharge cfs	Turbidity JTU	Turbidity NTU	SC uS/cm
8/9/2005 15:45	24.0	26.5		24			1580
4/24/2006 12:15	11.0	7.0		340			1690
7/10/2006 13:45	25.0	34.0		9.7			1700
3/27/2007 11:50	6.4	11.8		89			961
7/24/2007 10:40	29.0	33.0		15			1590
4/10/2008 12:05	5.8	7.0		48			1440
7/17/2008 8:30	20.5	17.5		7.9			1330
4/20/2009 10:45	8.0			1150			666
9/4/2009 10:05	18.0	17.5		50			1580
4/15/2010 11:30	8.7	9.0		363			1360
8/26/2010 10:00	19.7	25.0		34			1540
5/5/2011 7:55	10.8	6.8		793			1920
9/7/2011 15:00	21.9			130			2190
3/29/2012 8:00	6.3						2170
7/24/2012 16:25	25.1						1950
Number of Records: 674	570	279	46	389	30	106	599
Maximum	30.5	38.0	5,930	20,400	750	440	3,100
75th %tile	19.5	21.4	210	176	44	30	1,835
Median	9.6	10.3	63	46	20	17	1,500
25th %tile	0.5	2.5	34	24	9	5	1,190
Minimum	0.0	-21.0	13	4	4	0	170
% Non-detect Records	0.0%	0.4%	0.0%	0.3%	0.0%	0.0%	0.0%

USGS Surface Water Station 063

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
105 parameters USGS Parameter Code:	Unfiltered -300	Unfiltered -301	Unfiltered -310	Unfiltered -340	Unfiltered -400	Unfiltered -403	Unfiltered -405
10/20/1949					8.1		5.9
3/24/1950					7.3		8.2
3/26/1950					7.3		6.2
4/15/1950					7.2		11
4/19/1950					7		16
4/22/1950					7.2		17
5/18/1950					8.2		3
6/15/1950					8		8.3
8/8/1950					8		9
8/14/1950					7.9		11
9/5/1950					7.9		11
10/2/1950					7.9		11
10/31/1950					8.1		7.4
1/15/1951					7.8		18
2/6/1951					7.8		17
3/31/1951					7.2		6.7
4/6/1951					7.3		7.5
4/9/1951					7.4		8.4
6/8/1951					7.4		15
9/6/1951					7.5		16
9/29/1969 16:15					8.3		3.6
10/14/1969 16:00					8		8.2
11/12/1969 13:30					8.1		6.6
12/9/1969 14:45					8		9.6
1/7/1970 15:30					8		11
2/5/1970 14:50					8		11
3/4/1970 15:05					8		11
4/17/1970 11:35					7.6		11
5/12/1970 15:25					7.5		7.5
6/11/1970 11:45					7.9		11
7/6/1970 13:40					7.9		9.8
8/3/1970 14:30					7.8		10
10/20/1970 14:45					8.1		7.2
11/16/1970 15:00					8		9.5
12/15/1970 15:00					7.9		15
1/12/1971 15:05					8		12
2/11/1971 14:45					8		10
3/19/1971 15:05					7		17
4/13/1971 17:15					7.6		11
5/4/1971 11:15					8		6.1
6/3/1971 13:10					7.9		10
7/7/1971 18:30					7.9		8.8
8/4/1971 16:10					7.8		13
9/8/1971 15:00					8.1		6.2
10/6/1971 10:05					7.7		17
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
5/17/1972 14:15							
6/23/1972 12:40					7.5		12
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00					8.2		4.8
5/23/1973 18:00							
6/22/1973 10:50					8.1		7.1
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30	8.6	88	7.3		8.3		
5/17/1974 10:00	10	95	3.5		8.3		3.8
6/25/1974 9:50	7	84	4.2		8.4		
7/16/1974 12:50	7.8	101	3.9		8.2		
8/21/1974 10:30	8.8	91	3.6		8.2		
9/17/1974 16:15	10	114	5.3		8.3		
10/1/1974 13:30	10.2				8.7		1.7
10/22/1974 13:00							
10/22/1974 13:00	11	97	2.5		8.4		
11/5/1974 12:15	12.5				8.7		1.6
11/30/1974 10:25							
11/30/1974 10:25	11	81	1.5		8.2		
12/4/1974 11:30	10.8				8.7		2.1
12/18/1974 12:25							
12/18/1974 12:25	11.2	82	3.7		8.2		
1/15/1975 12:15	9.6				8.7		2.5
1/16/1975 11:35							
1/16/1975 11:35	9.4	68	1.5		8.2		
2/6/1975 13:30	7.8				8.7		2.6
2/12/1975 12:30							
2/12/1975 12:30	6.8	49			7.7		
3/5/1975 10:45	8.5				8.7		2
4/2/1975 13:00							
4/2/1975 13:00	9	66	3.5				
4/17/1975 10:30	11.1				8.7		0.5

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30	8	68	6.8		8.2		
5/21/1975 12:00	8.3				8.7		1.1
5/21/1975 12:45							
5/21/1975 12:45	9	90			8.2		
6/23/1975 12:45	6.8				8.4		2.2
6/27/1975 11:00							
6/27/1975 11:00	7.2	83	2.8		8.4		
7/23/1975 11:00							
7/23/1975 11:00	5.6	67	3.4		8.1		5.8
7/24/1975 11:00	7.2				8.7		1
8/26/1975 12:20							
8/26/1975 12:20	8.2	92	3		8.5		
9/23/1975 11:45	9.3				8.7		1.5
10/1/1975 12:00							
10/1/1975 12:00	10	96	2.7		8.3		
10/9/1975 10:50	9.8				9		0.7
10/22/1975 14:00	10.8	96	2.2		8.2		
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15	12.7				9.2		0.4
11/25/1975 13:30							
11/25/1975 13:30	12.4	90	1.4		8.4		
12/11/1975 9:45	10.9				8.7		1.8
12/30/1975 14:15							
12/30/1975 14:15	11.2	82	1.3		7.8		
1/21/1976 12:00							
1/21/1976 12:00	10.2	74	0.7		7.9		
2/18/1976 14:30							
2/18/1976 14:30			> 8.8		7.7		
3/30/1976 13:15							
3/30/1976 13:15	11.2	96	4.6		8		
4/21/1976 12:30							
4/21/1976 12:30	11	96	1.7		8.4		
5/18/1976 12:30							
5/18/1976 12:30	9.2	103	2.5		8.4		
6/22/1976 11:30							
6/22/1976 11:30	8.4	101	4.5		8.4		
7/8/1976 9:45							
7/8/1976 9:45	7.2	85	3		8.3		
7/20/1976 11:10							
7/20/1976 11:10	8.2	100	3.3		8.2		
8/26/1976 10:15							
8/26/1976 10:15	8.2	95	2.8		8.4		
9/22/1976 12:00							
9/22/1976 12:00	8.6	88	3.5		8.3		
10/20/1976 11:00							
10/20/1976 11:00	11.6	91	0.7		8.4		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
11/30/1976 12:40							
11/30/1976 12:40	11	80	1.5	28	8.1		9.1
12/21/1976 13:10							
12/21/1976 13:10	10.6	77	1.1		7.9		16
1/18/1977 12:20							
1/18/1977 12:20	8	58	2		7.7		25
2/15/1977 12:20							
2/15/1977 12:20	11	80	0.9		7.8		19
3/15/1977 14:05							
3/22/1977 12:50	12.3	98	1.4	53	8.1		2.9
4/19/1977 12:00	9.8	95	2.9	42	8.5		2.2
5/25/1977 12:45							
5/25/1977 12:45	8.7	109	2	87			
6/23/1977 12:00							
6/23/1977 12:00	7.4	90	1.9	46	8.2		2.2
7/20/1977 13:00							
7/20/1977 13:00	9.3	118	4.4	52	8.5		2
8/23/1977 11:35							
8/23/1977 11:35	9.2	97	2.4	19	8.3		4.2
9/22/1977 10:20							
9/22/1977 10:20	9.2	93	2	33	8.3		3.9
10/26/1977 12:30	10.6	97			8.3		3.5
11/25/1977 13:00	10.6	77			8.2		5.9
12/22/1977 12:40	11	84			8		11
1/24/1978 15:45	9.6	70			7.8		19
2/22/1978 10:45	9.6	70			7.7		23
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	11	104			8.1		1.9
4/27/1978 13:25	10.6	106		38	8.5		2.1
5/23/1978 13:35							
5/23/1978 13:35	9	106		36	8.3		3.4
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	8.4	106		34	8.3		4
7/26/1978 12:00							
7/26/1978 12:00	7.4	94		30	8.3		3.8
8/22/1978 11:00							
8/22/1978 11:00	8.4	96		29	8.3		4.1
9/26/1978 12:20							
9/26/1978 12:20	9.3			32	8.1		4.3
10/24/1978 12:20	11.6			93	8.5		2.6
11/30/1978 13:20							
11/30/1978 13:20	12.1				8.1		8.3
12/19/1978 13:00	11				7.8		19

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
1/23/1979 13:45	9.9				7.7		21
2/21/1979 13:20	10.6				7.8		18
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10	12.4				7.9		2.9
4/18/1979 15:05	9.3			92	8		1.9
5/24/1979 9:00							
5/24/1979 9:00	9.2			35	8.3		3.8
6/27/1979 13:30							
6/27/1979 13:30	7			63	8		3.5
7/26/1979 13:20							
7/26/1979 13:20	8.2			33	8.4		2.7
8/29/1979 12:20							
8/29/1979 12:20	8.9			27	8.4		3.1
9/20/1979 12:35							
9/20/1979 12:35	9.1			39	8.5		2.6
10/23/1979 8:40	11.1			29	8.4		3.5
11/20/1979 14:35							
11/20/1979 14:35	13.4				8.3		4.9
12/20/1979 12:10	11.1			32	8		12
1/22/1980 12:25	9				7.8		15
2/26/1980 16:45	9.9	7			7.8		19
3/24/1980 12:55							
3/24/1980 12:55	11.8	82		68	8.3		3.1
4/23/1980 12:30	9.5	96		32	8.4		2.8
5/28/1980 11:25							
5/28/1980 11:25	8.2	73		34	8.3		4.3
6/24/1980 11:00							
6/24/1980 11:00	7	82		56	8		5
7/22/1980 10:35							
7/22/1980 10:35	8	90		50	8.2		
7/22/1980 11:35	8	90		50	8.2		5.1
8/21/1980 8:25							
8/21/1980 8:25	7.8	80		31	8.3		3.6
9/23/1980 11:35							
9/23/1980 11:35	10	94		34	8.4		3.3
10/21/1980 12:25	11.1	91		34	8.5	8.2	2.6
11/25/1980 12:05							
11/25/1980 12:05	13.2	89		52	8.4	8.3	3.2
12/23/1980 13:00	11.2	75		62	8.1	7.9	7.2
2/4/1981 11:35	10.3	73		27	8	7.9	10
2/20/1981 11:05							
2/24/1981 13:10	12.4	86		67	8.1	8.5	1.9
3/24/1981 12:40							
3/24/1981 12:40	12.2	101		30	8.3	7.9	2
4/21/1981 12:10	9.9	97		48	8.4	8.2	2.6
5/19/1981 12:40							
5/19/1981 12:40	10	107		18	8.4	8.1	2.7
7/1/1981 16:30							
7/1/1981 16:30	7.8	100		61	8.5	8.1	2.4

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
7/21/1981 12:15							
7/21/1981 12:15	7.3	89		53	8.2	8.2	2.4
8/27/1981 9:20							
8/27/1981 9:20	7.5	81		74	8.2	8.2	2.8
9/30/1981 14:05							
9/30/1981 14:05	11.2	104		57	8.3	7.7	2.7
11/17/1981 10:25	13.1	93			8.5	8.4	2.7
1/12/1982 13:10	8.8	59			7.8	7.9	18
2/9/1982 14:40	9.4	63			7.9	8.2	14
3/15/1982 17:40							
3/23/1982 14:10	11.5	78			7.6	8	4.4
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35	9.8	94			8.2	8.3	3.6
6/15/1982 14:30	7.2	80			7.9	8.1	5.1
8/10/1982 10:45	9	100			8.4	8.5	2.8
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45	12	84			8.1	8.1	5
1/11/1983 11:25	12.3	83			7.9		
3/3/1983 10:40							
3/3/1983 11:00	12	84			8	8	4.1
3/16/1983 10:30							
4/6/1983 16:45	14.4				7.4		
5/18/1983 10:06	9.2				8.4	8.5	3.4
7/6/1983 12:30	7.2	93			7.6		
7/6/1983 13:06	7.5	95			7.6		
7/6/1983 13:07	7.5				7.6		
7/6/1983 13:08	7.3				7.6		
7/6/1983 13:09	7.3						
7/6/1983 13:10	7.3				7.6		
7/6/1983 13:11	7.2						
7/6/1983 13:12	7.2				7.5		
7/6/1983 13:13	7.2						
7/6/1983 13:14	7.2				7.5		
7/6/1983 13:15	7.1						
7/6/1983 13:16	7.2				7.5		
7/6/1983 13:17	7.2						
7/6/1983 13:18	7.1				7.5		
7/6/1983 13:19	7.1						
7/6/1983 13:20	7.3				7.5		
7/6/1983 13:21	7.2						
7/6/1983 13:22	7.1				7.5		
7/6/1983 13:23	7.2						
7/6/1983 13:24	7.3				7.5		
7/6/1983 13:25	7.3						
7/6/1983 13:26	7.2						
7/6/1983 13:27	7.2						
7/6/1983 13:28	7.3				7.6		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
7/6/1983 13:29	7.3						
7/6/1983 13:30	7.3						
7/6/1983 13:31	7						
7/6/1983 13:32	7.3				7.6		
7/6/1983 13:33	7.1						
7/6/1983 13:34	7.2				7.6		
7/6/1983 13:35	7.1						
7/6/1983 13:36	7.2						
7/6/1983 13:37	7.1						
7/6/1983 13:38	7.2				7.6		
7/6/1983 13:39	7.1						
7/6/1983 13:40	7.1				7.6		
7/6/1983 13:41	7.2						
7/6/1983 13:42	7.1				7.6		
7/6/1983 13:43	7.1						
7/6/1983 13:44	7.1						
7/6/1983 13:45	7						
7/6/1983 13:46	6.6				7.6		
8/17/1983 9:10	7.8	90			8.4		
10/6/1983 10:24	11	93			8.4		
11/8/1983 16:05	9.2	73			8.5		
12/22/1983 12:50	8.9	61			7.3		
1/24/1984 14:50	10.1	70			7.8		
2/3/1984 14:34							
3/13/1984 9:26	10.4	71			7.3	7.8	33
3/13/1984 10:40	9.4	64			7.1		
3/13/1984 10:43	9.2				7.2		
3/13/1984 10:45	9.1				7.4		
3/13/1984 10:47	9.3				7.3		
3/13/1984 10:50	9.1				7.3		
3/13/1984 10:51	9.3				7.3		
3/13/1984 10:52	9				7.5		
3/13/1984 10:53	9.5				7.5		
3/13/1984 10:55	9				7.5		
3/13/1984 10:57	8.9				7.5		
3/13/1984 11:00	9.4				7.3		
3/13/1984 11:02	9.5				7.1		
3/13/1984 11:05	9				7.1		
3/13/1984 11:07	8.7				7.1		
3/13/1984 11:10	9				7.1		
3/13/1984 11:13	8.9				7.1		
3/13/1984 11:15	8.9				7.1		
3/13/1984 11:17	8.9				7.1		
3/13/1984 11:20	9				7.1		
3/13/1984 11:23	8.9				7.2		
3/13/1984 11:25	8.8				7.2		
3/13/1984 11:30	8.7				7.2		
3/13/1984 11:32	9.1				7.2		
3/13/1984 11:35	9.2				7.2		
3/23/1984 8:48	19.6	139			7.2		
3/27/1984 10:58	11.4	80			7.1		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
4/4/1984 11:20	10.4	81			7.3		
4/24/1984 8:47	8.1	78			8		
4/24/1984 10:05	8.4	81			8.1		
4/24/1984 10:10	8.4				8		
4/24/1984 10:13	8.4						
4/24/1984 10:15	8.4				8		
4/24/1984 10:18	8.4						
4/24/1984 10:20	8.5				8		
4/24/1984 10:23	8.3						
4/24/1984 10:25	8.4				8		
4/24/1984 10:28	8.3						
4/24/1984 10:30	8.4				8		
4/24/1984 10:33	8.4				8		
4/24/1984 10:37	8.4				8		
4/24/1984 10:40	8.5				8		
4/24/1984 10:42	8.4				8		
6/7/1984 9:48	9.5	98			8.2		
7/11/1984 12:28	8.8	105			8		
8/28/1984 8:36	7.4	81			7.9	8.2	11
8/28/1984 9:00	8.1	89			7.9		
8/28/1984 9:03	8.1				7.9		
8/28/1984 9:07	8.1				8		
8/28/1984 9:10	8.1				7.9		
8/28/1984 9:14	8.1				8		
8/28/1984 9:17	8.1				7.9		
8/28/1984 9:21	8.1				7.9		
8/28/1984 9:24	8.1				7.9		
8/28/1984 9:28	8.1				7.9		
8/28/1984 9:31	8.1				7.9		
8/28/1984 9:33	8.1				7.9		
10/3/1984 10:25	9.9	88			7.7		
11/6/1984 9:10	12.6	87			7.9	8.3	14
11/6/1984 9:50	11.2	77			9		
11/6/1984 9:53	15.4				9		
11/6/1984 9:57	14				9		
11/6/1984 10:00	13.1				9		
11/6/1984 10:03	12.5				9		
11/6/1984 10:07	12.3				9		
11/6/1984 10:10	12.3				9		
11/6/1984 10:14	12.1				9		
11/6/1984 10:17	12				9		
11/6/1984 10:21	12				9		
11/6/1984 10:26	11.9				9		
12/19/1984 13:40	9.8	68			7.8		19
2/6/1985 10:08	7.5	51			7.8	7.9	22
2/6/1985 10:15	7.5				7.6		
2/6/1985 10:17	7.5				7.6		
2/6/1985 10:19	7.4				7.6		
2/6/1985 10:21	7.4				7.6		
2/28/1985 10:36							
3/15/1985 8:48	12.1	84			7.8		4.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
3/21/1985 13:46							
4/30/1985 8:54	10.1	96			8.6		2.1
4/30/1985 9:20	11				8.6		
4/30/1985 9:24	11				8.6		
4/30/1985 9:28	10.8				8.6		
4/30/1985 9:32	10.6				8.6		
4/30/1985 9:36	10.5				8.6		
4/30/1985 9:40	10.4				8.6		
4/30/1985 9:44	10.4				8.6		
4/30/1985 9:48	10.3				8.6		
4/30/1985 9:52	10.3				8.6		
4/30/1985 9:56	10.3				8.6		
4/30/1985 10:00	10.4				8.6		
4/30/1985 10:04	10.5				8.6		
6/11/1985 9:01	8.4	85			8.5		2.7
8/5/1985 10:31	8.3	92			8.3		3.7
9/10/1985 8:49	9.5	85			8.4		3.3
9/10/1985 9:20	9.5				8.4		
9/10/1985 9:25	9.5				8.4		
9/10/1985 9:30	9.5				8.4		
9/10/1985 9:34	9.5				8.4		
9/10/1985 9:39	9.5				8.4		
9/10/1985 9:44	9.5				8.4		
9/10/1985 9:49	9.6				8.4		
9/10/1985 9:54	9.6				8.4		
9/10/1985 9:58	9.6				8.4		
10/22/1985 9:51	10.6	93			8.5	8.3	0.7
12/10/1985 9:46	10.2	69			8		10
1/28/1986 10:25	10.5	73			7.9	8	17
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10	12.2	89			8		
4/22/1986 8:55	10.2	96			8.4		4.9
6/10/1986 11:28	7.3	82			8.3		2.7
7/22/1986 9:41	6.7	78			8.3	8.2	3.1
8/19/1986 9:23							
9/3/1986 13:55	9.4	104			8.4		3.4
10/28/1986 10:13	12.5	105			8.5	8.3	2.3
12/16/1986 11:14	11	79			8.1		8
1/27/1987 11:27	10.6	76			8	7.9	14
4/27/1987 12:27							
5/5/1987 10:21	9.2	94			8.5	8.3	2.4
6/10/1987 13:01	7.6	85			8.3		4.7
7/28/1987 10:36	6.2	75			8.4	8.4	2.5
9/9/1987 8:46	8.3	82			8.5		2.4
10/6/1987 13:27	10.1	90			8.5		2.4
11/24/1987 11:00	12.6	89			8.5	8.3	3.1
1/7/1988 10:30	9.8	67			7.9		23
2/23/1988 12:45	9.6	66			8	7.7	12
3/30/1988 9:08	11.2	79			8.4		2.2
4/12/1988 10:53	10.7	96			8.6	8.2	1.9

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
5/31/1988 14:36	7.9	100			8.5		3.4
7/5/1988 14:23	8.8	118			8.5		2.8
8/16/1988 10:19	7.3	88			8.3	8.3	5.1
10/11/1988 13:15	8.6	76			8.3		
11/15/1988 11:45	12.7	89			8.3	8.1	4.6
1/4/1989 12:43							
2/28/1989 11:20	8.1	55			7.8	7.8	22
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49	10.8	102			8.2	8.2	4
6/22/1989 9:46							
8/1/1989 10:10	7.3	91			8.4	8.2	2.9
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	12.8	88			8.2	8.2	6.4
11/28/1989 12:25	12.9				8.3		
11/28/1989 12:27					8.2		
11/28/1989 12:30					8.2		
11/28/1989 12:32					8.2		
11/28/1989 12:35	12.8				8.3		
11/28/1989 12:37					8.2		
11/28/1989 12:40					8.3		
11/28/1989 12:42					8.2		
11/28/1989 12:45	12.6				8.3		
1/9/1990 11:42							
2/13/1990 11:50	12.1	82			8.3	8	7.6
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	12	91			8.5	8.3	2.1
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	7.7	84			8.4	8.3	3.5
8/21/1990 10:24	7.7				8.3		
8/21/1990 10:26	7.7				8.4		
8/21/1990 10:28	7.7				8.3		
8/21/1990 10:30	7.7				8.3		
8/21/1990 10:32	7.7				8.3		
8/21/1990 10:34	7.7				8.3		
8/21/1990 10:36	7.7				8.3		
8/21/1990 10:38	7.7				8.3		
11/27/1990 11:52	11.1	77			8.3	8.2	5.6
1/8/1991 11:45							
2/12/1991 10:40	9.7	68			8.2	7.6	5
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	9.8	89			8.4	8.2	3.1
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
7/15/1991 12:50							
9/10/1991 8:30	8.6	87			8.4	8.3	3.6
10/8/1991 14:18							
11/19/1991 11:32	12	89			8.5	8	3.5
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	9.6	70			8	7.9	9.8
4/7/1992 13:30							
6/2/1992 12:50	9	120			8.3	8.2	4.4
7/14/1992 15:35							
8/10/1992 13:30	10.6	135			8.1	8.4	6.5
10/7/1992 11:30	10.5	99			8.3	8.2	5.1
10/7/1992 11:32					8.6		
10/7/1992 11:34	10.5				8.6		
10/7/1992 11:36					8.5		
10/7/1992 11:38					8.5		
10/7/1992 11:40	10.5				8.5		
10/7/1992 11:42					8.5		
10/7/1992 11:44					8.5		
10/7/1992 11:46	10.5				8.5		
10/7/1992 11:48					8.5		
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15	7.2	54			7.9	8	17
2/18/1993 14:00					7.9		
2/18/1993 14:02					7.9		
2/18/1993 14:04	7.2				7.9		
2/18/1993 14:06					7.9		
2/18/1993 14:08					8		
3/5/1993 10:50							
4/20/1993 12:30	10.9	102			8.5	8.3	2.3
4/20/1993 12:35					8.6		
4/20/1993 12:37	10.7				8.7		
4/20/1993 12:39					8.7		
4/20/1993 12:41	10.9				8.7		
4/20/1993 12:43					8.7		
4/20/1993 12:45					8.7		
4/20/1993 12:47	10.9				8.7		
4/20/1993 12:49					8.7		
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55	10.6	136			8.4	8.1	2.6
8/16/1993 13:00					8.4		
8/16/1993 13:02					8.4		
8/16/1993 13:04	10.5				8.4		
8/16/1993 13:06					8.4		
8/16/1993 13:08					8.4		
8/16/1993 13:10	10.6				8.4		
8/16/1993 13:12					8.4		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
8/16/1993 13:14	10.6				8.4		
8/16/1993 13:16					8.4		
8/16/1993 13:18					8.3		
10/13/1993 13:35	11.1	103			8.4		3.8
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30					8.1		2.2
5/25/1994 17:05							
8/16/1994 14:17					8.4	8.2	3.5
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45						6.9	
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30					7.5		21
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15					8		1.4
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35					7.6		25
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35					8.1		2.6
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35					8.4	8.1	2.7
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15					8.5		1.6
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40					8.2	8.1	5.5
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
3/15/1999 17:00							
3/18/1999 9:30					7.8		3
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00					8	8	8.7
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50					8.5	8.2	2.6
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10					7.7		17
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15					8.3		1.7
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55					8.2	8.3	5.2
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30					8.3	8.3	4.4
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15					7.9	8.2	9.8
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15					8.2		1.2
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30					7.5		29
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40					7.6	7.1	6.4
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30					7.6		
8/25/2004 15:00					8.4	8.5	3.5
9/23/2004 15:30					8.5	8.4	2.9
3/29/2005 12:00					8.1		2.4

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved O2 mg/l	Dissolved O2 %sat	BOD 5-day mg/l	COD mg/l	Field pH	Lab pH	CO2 mg/l
8/9/2005 15:45					8.4	8.4	3.4
4/24/2006 12:15					8.5	8.4	2.1
7/10/2006 13:45					8.5	8.5	2.8
3/27/2007 11:50					8.5	8.2	1.4
7/24/2007 10:40					8.2	8.4	5.3
4/10/2008 12:05					8.6	8.3	1.7
7/17/2008 8:30					8.6	8.3	1.9
4/20/2009 10:45					8.1	8	2.3
9/4/2009 10:05					7.8	8.4	14
4/15/2010 11:30					8.2	8.2	3.1
8/26/2010 10:00					8.2	8.4	5.1
5/5/2011 7:55					8.2	8.3	3.7
9/7/2011 15:00					8.2	8.5	5
3/29/2012 8:00					8.5	8.3	2.4
7/24/2012 16:25					8.3	8.4	3.8
Number of Records: 674	333	158	41	43	420	84	224
Maximum	19.6	139.0	7.3	93.0	9.2	8.5	33.0
75th %tile	10.6	96.0	3.5	54.5	8.4	8.3	10.0
Median	9.2	88.5	2.8	38.0	8.2	8.2	4.4
25th %tile	7.8	78.3	1.7	32.0	7.9	8.0	2.7
Minimum	5.6	7.0	0.7	18.0	7.0	6.9	0.4
% Non-detect Records	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%

USGS Surface Water Station 063

Date Time	Alka-	Bicarb-	Carbonate	Nitrogen	Organic	Ammonia	Nitrite
105 parameters USGS Parameter Code:	Filtered -418	Unfiltered -440	Unfiltered -445	Unfiltered -600	Unfiltered -605	Unfiltered -610	Unfiltered -615
10/20/1949		458					
3/24/1950		101					
3/26/1950		76					
4/15/1950		108					
4/19/1950		96					
4/22/1950		162					
5/18/1950		290					
6/15/1950		510					
8/8/1950		558					
8/14/1950		544					
9/5/1950		536					
10/2/1950		561					
10/31/1950		578					
1/15/1951		692					
2/6/1951		677					
3/31/1951		66					
4/6/1951		92					
4/9/1951		131					
6/8/1951		237					
9/6/1951		316					
9/29/1969 16:15		443	11				
10/14/1969 16:00		507	0				
11/12/1969 13:30		511	0				
12/9/1969 14:45		595	0				
1/7/1970 15:30		655	0				
2/5/1970 14:50		703	0				
3/4/1970 15:05		664	0				
4/17/1970 11:35		260	0				
5/12/1970 15:25		146	0				
6/11/1970 11:45		526	0				
7/6/1970 13:40		483	0				
8/3/1970 14:30		403	0				
10/20/1970 14:45		566	0				
11/16/1970 15:00		591	0				
12/15/1970 15:00		735	0				
1/12/1971 15:05		757	0				
2/11/1971 14:45		653	0				
3/19/1971 15:05		108	0				
4/13/1971 17:15		266	0				
5/4/1971 11:15		380	0				
6/3/1971 13:10		505	0				
7/7/1971 18:30		437	0				
8/4/1971 16:10		515	0				
9/8/1971 15:00		490	0				
10/6/1971 10:05		522	0				
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
5/17/1972 14:15							
6/23/1972 12:40		242	0				
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00		480	0				
5/23/1973 18:00							
6/22/1973 10:50		555	0				
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30				1.4	1.2	0.19	
5/17/1974 10:00		471	0	1.2	1.1	0.08	
6/25/1974 9:50				1.9	1.5	0.26	
7/16/1974 12:50				1.9	1.4	0.48	
8/21/1974 10:30				1.9	1.8	0.08	
9/17/1974 16:15				1.6	1.3	0.12	
10/1/1974 13:30							
10/22/1974 13:00				1.1	0.97	0.13	
10/22/1974 13:00							
11/5/1974 12:15							
11/30/1974 10:25				0.62	0.47	0.11	
11/30/1974 10:25							
12/4/1974 11:30							
12/18/1974 12:25				0.92	0.62	0.18	
12/18/1974 12:25							
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35				1.3	0.78	0.21	
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30				1.3	0.57	0.25	
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00				1.2	0.79	0.13	
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30				7.5	6.8	0.27	
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45				1.8	1.6	0.05	
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00				0.68	0.65	0.02	
7/23/1975 11:00							
7/23/1975 11:00		459	0	0.82	0.78	0.03	
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20				0.72	0.72	< 0.010	
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00				2.1	2	0.09	
10/9/1975 10:50							
10/22/1975 14:00				1.1	1	0.06	
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30				2.1	1.9	0.09	
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15				1.2	0.83	0.13	
1/21/1976 12:00							
1/21/1976 12:00				1.8	1.2	0.15	
2/18/1976 14:30							
2/18/1976 14:30				3.3	2.7	0.14	
3/30/1976 13:15							
3/30/1976 13:15				2.1	1.6	0.17	
4/21/1976 12:30							
4/21/1976 12:30				1.1	1.1	0.03	
5/18/1976 12:30							
5/18/1976 12:30				0.89	0.87	0.01	
6/22/1976 11:30							
6/22/1976 11:30				1.3	1.2	0.12	
7/8/1976 9:45							
7/8/1976 9:45				1	0.92	0.08	
7/20/1976 11:10							
7/20/1976 11:10				0.95	0.92	< 0.010	
8/26/1976 10:15							
8/26/1976 10:15				0.55	0.52	0.01	
9/22/1976 12:00							
9/22/1976 12:00				0.7	0.06	0.05	
10/20/1976 11:00							
10/20/1976 11:00				0.6	0.56	0.03	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
11/30/1976 12:40							
11/30/1976 12:40		715	0	0.64	0.52	0.04	
12/21/1976 13:10							
12/21/1976 13:10		776	0	0.83	0.5	0.18	
1/18/1977 12:20							
1/18/1977 12:20		778	0	1.7	0.68	0.62	
2/15/1977 12:20							
2/15/1977 12:20		751	0	1.2	0.54	0.15	
3/15/1977 14:05							
3/22/1977 12:50		231	0	1.7	1.2	0.24	0.01
4/19/1977 12:00		430	0	0.92	0.89	0.02	0.01
5/25/1977 12:45							
5/25/1977 12:45		540		1	0.99	0.01	< 0.010
6/23/1977 12:00							
6/23/1977 12:00		220	0	1.8	1.3	0.11	0.04
7/20/1977 13:00							
7/20/1977 13:00		390	0	0.83	0.82	0.01	0.01
8/23/1977 11:35							
8/23/1977 11:35		520	0	1.4	1.4	0.01	0.01
9/22/1977 10:20							
9/22/1977 10:20		490	0	0.8	0.72	0.04	0.01
10/26/1977 12:30		440	0	0.88	0.75	0.05	
11/25/1977 13:00		580	0	1.6	0.53	0.12	
12/22/1977 12:40		660	0	0.85	0.41	0.18	
1/24/1978 15:45		730	0	0.49	0.31	0.12	
2/22/1978 10:45		730	0	0.95	0.23	0.14	
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30		150	0	2.6	2	0.28	
4/27/1978 13:25		400	12	0.76	0.71	0.03	0.01
5/23/1978 13:35							
5/23/1978 13:35		430	0	0.89	0.86	0.01	0.01
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25		500	0	0.75	0.67	0.02	0.01
7/26/1978 12:00							
7/26/1978 12:00		470	0	1.2	1.2	0.01	0.01
8/22/1978 11:00							
8/22/1978 11:00		510	0	0.63	0.59	0.02	< 0.010
9/26/1978 12:20							
9/26/1978 12:20				1.1	0.99	0.01	0.01
10/24/1978 12:20				0.7	0.67	0.01	< 0.010
11/30/1978 13:20							
11/30/1978 13:20				0.73	0.59	0.04	
12/19/1978 13:00				0.88	0.57	0.11	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
1/23/1979 13:45				0.97	0.29	0.25	
2/21/1979 13:20				0.93	0.32	0.12	
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10				2.5	2	0.11	
4/18/1979 15:05				3.9	3.1	0.29	0.14
5/24/1979 9:00							
5/24/1979 9:00				0.99	0.85	0.09	0.02
6/27/1979 13:30							
6/27/1979 13:30				1.2	0.74	0.1	0.06
7/26/1979 13:20							
7/26/1979 13:20				0.94	0.92	0.01	< 0.010
8/29/1979 12:20							
8/29/1979 12:20				0.44	0.42	0.01	0.02
9/20/1979 12:35							
9/20/1979 12:35				0.75	0.75	< 0.010	0.02
10/23/1979 8:40				1.1	1.1	0.04	0.02
11/20/1979 14:35							
11/20/1979 14:35				1.2	0.66	0.11	
12/20/1979 12:10				1.5	0.73	0.14	0.01
1/22/1980 12:25				1.3	0.96	0.24	
2/26/1980 16:45				0.7	0.1	0.27	
3/24/1980 12:55							
3/24/1980 12:55				2.5	1.7	0.3	0.04
4/23/1980 12:30				1.4	1.3	0.06	< 0.010
5/28/1980 11:25							
5/28/1980 11:25				1	0.99	0.01	0.01
6/24/1980 11:00							
6/24/1980 11:00				2.2	1.7	0.01	0.05
7/22/1980 10:35							
7/22/1980 10:35							< 0.010
7/22/1980 11:35				1.1	1.1	< 0.010	< 0.010
8/21/1980 8:25							
8/21/1980 8:25				0.59	0.59	< 0.010	0.01
9/23/1980 11:35							
9/23/1980 11:35				1	1	< 0.010	< 0.010
10/21/1980 12:25				1.3	1.3	0.01	
11/25/1980 12:05							
11/25/1980 12:05				1.2	1	0.17	
12/23/1980 13:00				1.1	1	< 0.010	
2/4/1981 11:35				1.2	0.72	0.18	
2/20/1981 11:05							
2/24/1981 13:10				3.4	2.3	0.4	
3/24/1981 12:40							
3/24/1981 12:40				1.2	1.1	0.06	
4/21/1981 12:10				1.2	1.1	0.09	
5/19/1981 12:40							
5/19/1981 12:40				1.1	0.97	0.13	
7/1/1981 16:30							
7/1/1981 16:30				1.8	1.6	0.1	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
7/21/1981 12:15							
7/21/1981 12:15				2.3	1.7	0.24	
8/27/1981 9:20							
8/27/1981 9:20				2.1	1.7	0.19	
9/30/1981 14:05							
9/30/1981 14:05				1.5	1.3	0.11	
11/17/1981 10:25				1.5	1.3		
1/12/1982 13:10				0.95	0.52		
2/9/1982 14:40				1.1	0.51		
3/15/1982 17:40							
3/23/1982 14:10				2.5	1.3		
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35				1.4	1.2		
6/15/1982 14:30				1.7	<1.5		
8/10/1982 10:45				<1.8	1.6		
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45				1.7	1.2		
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00				1.9	1.3		
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06				1.7	<1.6		
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24				< 1.6	1.4		
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26				1.7	1.2		
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
4/4/1984 11:20							
4/24/1984 8:47				< 1.5	1.3		
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36				< 1.4	1.3		
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10							
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08							
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
3/21/1985 13:46							
4/30/1985 8:54				< 1.2	1.1		
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01		58	23				
8/5/1985 10:31		37					
9/10/1985 8:49		55	7				
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51				1.7	1.2	0.16	
12/10/1985 9:46							
1/28/1986 10:25				1.2	0.58	0.12	
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41				1.7	1.4	0.08	
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13				0.98	0.77	0.03	
12/16/1986 11:14							
1/27/1987 11:27				1.4	0.76	0.14	
4/27/1987 12:27							
5/5/1987 10:21				1.6	1.4	0.12	
6/10/1987 13:01							
7/28/1987 10:36				1.8	1.5	0.08	
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00				< 0.50	0.36	0.04	
1/7/1988 10:30							
2/23/1988 12:45				1.3	0.68	0.32	
3/30/1988 9:08							
4/12/1988 10:53				< 0.30	< 0.18	0.02	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19				< 1.4	1.3	0.03	
10/11/1988 13:15							
11/15/1988 11:45				0.82	0.65	0.05	
1/4/1989 12:43							
2/28/1989 11:20				1.1	0.49	0.21	
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49				< 1.1	0.96	0.04	
6/22/1989 9:46							
8/1/1989 10:10				< 1.2	1.1	< 0.01	
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	548			< 0.60	0.46	0.04	
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50	718			< 0.90	0.76	0.04	
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	440			< 0.90	0.79	0.01	
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	450			< 1.2	1.1	0.01	
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	505			< 0.60	0.42	0.08	< 0.01
1/8/1991 11:45							
2/12/1991 10:40	347			2.4	1.6	0.17	0.04
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24				< 0.29	< 0.18	0.02	< 0.01
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
7/15/1991 12:50							
9/10/1991 8:30	483			< 0.95	0.88	0.02	0.01
10/8/1991 14:18							
11/19/1991 11:32	554			0.46	0.31	0.09	< 0.01
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	508			2.2	1.3	0.17	0.02
4/7/1992 13:30							
6/2/1992 12:50	487			0.66	0.57	0.03	0.01
7/14/1992 15:35							
8/10/1992 13:30	441			< 0.85	0.78	0.02	0.01
10/7/1992 11:30	488			< 0.45	0.38	0.02	< 0.01
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15	709			0.91	0.47		
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30				< 0.85	0.79		
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55	308			< 0.25	< 0.17		
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35	481			< 0.45	0.36		
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30							
5/25/1994 17:05							
8/16/1994 14:17							
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45							
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30							
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15							
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35							
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35							
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35							
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15							
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40							
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
3/15/1999 17:00							
3/18/1999 9:30							
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00							
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50							
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10							
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15							
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55							
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30							
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15							
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15							
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30							
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40							
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30				0.71	0.69	< 0.010	
8/25/2004 15:00				0.56	< 0.54	< 0.010	
9/23/2004 15:30							
3/29/2005 12:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Alka-	Bicarb- field mg/l	Carbonate mg/l	Nitrogen mg/l	Organic Nitrogen mg/l	Ammonia as N mg/l	Nitrite as N mg/l
8/9/2005 15:45							
4/24/2006 12:15							
7/10/2006 13:45							
3/27/2007 11:50							
7/24/2007 10:40							
4/10/2008 12:05							
7/17/2008 8:30							
4/20/2009 10:45							
9/4/2009 10:05							
4/15/2010 11:30							
8/26/2010 10:00							
5/5/2011 7:55							
9/7/2011 15:00							
3/29/2012 8:00							
7/24/2012 16:25							
Number of Records: 674	15	75	53	140	140	121	39
Maximum	718	778	23.00		6.80	0.62	
75th %tile	528	572	0.00		1.30	0.16	
Median	487	490	0.00		0.92	0.09	
25th %tile	446	263	0.00		0.65	0.03	
Minimum	308	37	0.00		0.06	0.01	
% Non-detect Records	0.0%	0.0%	0.0%	15.7%	4.3%	8.3%	30.8%

USGS Surface Water Station 063

Date Time	Nitrate as N mg/l	Hardness as CaCO3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
105 parameters USGS Parameter Code:	Unfiltered -620	water, -900	Filtered -915	Filtered -925	Filtered -930	-931	Filtered -933
10/20/1949	0.384	190	28	30			240
3/24/1950	1.11	80	23	5.3			28
3/26/1950	1.06	57	15	4.7			24
4/15/1950	0.316	78	22	5.5			20
4/19/1950	0.813	70	19	5.4			20
4/22/1950	0.745	100	27	9			49
5/18/1950	0.633	200	47	20			130
6/15/1950	0.294	310	71	33			200
8/8/1950	0.316	310	69	33			230
8/14/1950	0.429	300	70	31	208	5.2	
9/5/1950	0.271	270	58	31			220
10/2/1950	0.316	290	70	29		6.2	220
10/31/1950	0.203	310	67	34		6.3	240
1/15/1951	0.881	350	82	36		6.4	290
2/6/1951	0.768	370	88	37		6.2	270
3/31/1951	0.655	44	14	2.2		4.9	20
4/6/1951					17	3.4	
4/9/1951					32	4.0	
6/8/1951					78	4.8	
9/6/1951					145	6.3	
9/29/1969 16:15		240	62	22	211	5.9	
10/14/1969 16:00		300	70	30	211	5.3	
11/12/1969 13:30		290	61	32	235	6.0	
12/9/1969 14:45		310	58	40	287	7.1	
1/7/1970 15:30		380	80	43	295	6.6	
2/5/1970 14:50		420	100	40	294	6.3	
3/4/1970 15:05		400	92	41	300	6.5	
4/17/1970 11:35		200	43	21	145	4.5	
5/12/1970 15:25		130	35	11	57	2.1	
6/11/1970 11:45		400	88	45	250	5.4	
7/6/1970 13:40		300	72	30	205	5.1	
8/3/1970 14:30		250	66	21	196	5.4	
10/20/1970 14:45		360	72	44	250	5.7	
11/16/1970 15:00		370	80	41	280	6.3	
12/15/1970 15:00		530	100	67	330	6.3	
1/12/1971 15:05		490	130	39	330	6.5	
2/11/1971 14:45		380	73	49	320	7.1	
3/19/1971 15:05		81	22	6.3	32	1.5	
4/13/1971 17:15		200	43	22	130	4.0	
5/4/1971 11:15		320	64	38	200	4.9	
6/3/1971 13:10		390	78	47	250	5.5	
7/7/1971 18:30		340	75	38	190	4.5	
8/4/1971 16:10		360	69	46	210	4.8	
9/8/1971 15:00		320	62	40	220	5.4	
10/6/1971 10:05		260	51	31	310	8.5	
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
5/17/1972 14:15							
6/23/1972 12:40		200	43	22	110	3.4	
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00		350	71	43	220	5.1	
5/23/1973 18:00							
6/22/1973 10:50		400	73	53	330	7.2	
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30							
5/17/1974 10:00		350	68	44	240	5.6	
6/25/1974 9:50							
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15							
10/1/1974 13:30		340	65	42	226	5.4	
10/22/1974 13:00							
10/22/1974 13:00							
11/5/1974 12:15		320	57	43	254	6.2	
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30		360	67	47	304	7.0	
12/18/1974 12:25							
12/18/1974 12:25							
1/15/1975 12:15		460	90	56	400	8.2	
1/16/1975 11:35							
1/16/1975 11:35							
2/6/1975 13:30		530	113	60	380	7.2	
2/12/1975 12:30							
2/12/1975 12:30							
3/5/1975 10:45		380	74	49	300	6.6	
4/2/1975 13:00							
4/2/1975 13:00							
4/17/1975 10:30		120	30	10	65	2.6	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00		300	63	35	181	4.5	
5/21/1975 12:45							
5/21/1975 12:45							
6/23/1975 12:45		310	60	40	210	5.2	
6/27/1975 11:00							
6/27/1975 11:00							
7/23/1975 11:00							
7/23/1975 11:00		310	69	33	190	4.7	
7/24/1975 11:00		290	54	38	196	5.0	
8/26/1975 12:20							
8/26/1975 12:20							
9/23/1975 11:45		280	56	34	191	5.0	
10/1/1975 12:00							
10/1/1975 12:00							
10/9/1975 10:50		280	51	37	232	6.0	
10/22/1975 14:00							
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15		300	46	45	308	7.7	
11/25/1975 13:30							
11/25/1975 13:30							
12/11/1975 9:45		350	55	51	334	7.8	
12/30/1975 14:15							
12/30/1975 14:15							
1/21/1976 12:00							
1/21/1976 12:00							
2/18/1976 14:30							
2/18/1976 14:30							
3/30/1976 13:15							
3/30/1976 13:15							
4/21/1976 12:30							
4/21/1976 12:30							
5/18/1976 12:30							
5/18/1976 12:30							
6/22/1976 11:30							
6/22/1976 11:30							
7/8/1976 9:45							
7/8/1976 9:45							
7/20/1976 11:10							
7/20/1976 11:10							
8/26/1976 10:15							
8/26/1976 10:15							
9/22/1976 12:00							
9/22/1976 12:00							
10/20/1976 11:00							
10/20/1976 11:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
11/30/1976 12:40							
11/30/1976 12:40		430	90	49	310	6.5	
12/21/1976 13:10							
12/21/1976 13:10		450	97	49	340	7.0	
1/18/1977 12:20							
1/18/1977 12:20		450	98	51	330	6.7	
2/15/1977 12:20							
2/15/1977 12:20		470	100	54	320	6.4	
3/15/1977 14:05							
3/22/1977 12:50	0.29	170	34	20	120	4.0	
4/19/1977 12:00	0	310	60	38	260	6.5	
5/25/1977 12:45							
5/25/1977 12:45	0.01	340	67	43	310	7.3	
6/23/1977 12:00							
6/23/1977 12:00	0.37	160	37	17	120	4.1	
7/20/1977 13:00							
7/20/1977 13:00	0	240	50	27	200	5.7	
8/23/1977 11:35							
8/23/1977 11:35	0	320	69	37	220	5.3	
9/22/1977 10:20							
9/22/1977 10:20	0.03	330	65	41	240	5.7	
10/26/1977 12:30		300	62	35	230	5.8	
11/25/1977 13:00		390	80	46	270	6.0	
12/22/1977 12:40		450	85	58	350	7.2	
1/24/1978 15:45		500	99	61	360	7.0	
2/22/1978 10:45		470	100	54	320	6.4	
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30		150	32	17	64	2.3	
4/27/1978 13:25	0.01	370	81	41	200	4.5	
5/23/1978 13:35							
5/23/1978 13:35	0.01	380	78	44	240	5.4	
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	0.05	360	76	42	240	5.5	
7/26/1978 12:00							
7/26/1978 12:00	0	320	68	37	220	5.3	
8/22/1978 11:00							
8/22/1978 11:00	0.02	340	69	40	230	5.5	
9/26/1978 12:20							
9/26/1978 12:20	0.13	230	52	24	150	4.3	
10/24/1978 12:20	0.02	370	84	39	230	5.2	
11/30/1978 13:20							
11/30/1978 13:20		420	89	48	270	5.7	
12/19/1978 13:00		480	100	55	360	7.2	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
1/23/1979 13:45		430	93	49	320	6.7	
2/21/1979 13:20		450	100	48	320	6.6	
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10		120	27	13	78	3.1	
4/18/1979 15:05	0.4	100	24	9.8	40	1.7	
5/24/1979 9:00							
5/24/1979 9:00	0.03	390	82	45	240	5.3	250
6/27/1979 13:30							
6/27/1979 13:30	0.29	200	45	21	140	4.3	150
7/26/1979 13:20							
7/26/1979 13:20	0.01	280	56	33	200	5.2	210
8/29/1979 12:20							
8/29/1979 12:20	0	340	69	40	220	5.2	230
9/20/1979 12:35							
9/20/1979 12:35	0						
10/23/1979 8:40	0.01	360	74	43	230	5.3	240
11/20/1979 14:35							
11/20/1979 14:35		390	76	48	290	6.4	300
12/20/1979 12:10	0.58	460	92	55	370	7.5	380
1/22/1980 12:25		480	98	56	350	7.0	480
2/26/1980 16:45		450	97	50	370	7.6	380
3/24/1980 12:55							
3/24/1980 12:55	0.49	240	47	29	240	6.8	250
4/23/1980 12:30	< 0.01	290	59	34	240	6.2	250
5/28/1980 11:25							
5/28/1980 11:25	0.01	340	66	43	270	6.4	280
6/24/1980 11:00							
6/24/1980 11:00	0.4	210	46	22	160	4.9	170
7/22/1980 10:35							
7/22/1980 10:35							
7/22/1980 11:35	< 0.01	320	67	37	220	5.4	230
8/21/1980 8:25							
8/21/1980 8:25	< 0.090	300	58	37	230	5.8	240
9/23/1980 11:35							
9/23/1980 11:35	0.01	310	63	37	250	6.2	260
10/21/1980 12:25		270	52	35	290	7.6	
11/25/1980 12:05							
11/25/1980 12:05		330	65	41	330	7.9	
12/23/1980 13:00		460	93	55	360	7.3	
2/4/1981 11:35		460	92	55	380	7.7	
2/20/1981 11:05							
2/24/1981 13:10		110	23	13	100	4.1	
3/24/1981 12:40							
3/24/1981 12:40		210	46	22	140	4.3	
4/21/1981 12:10		320	69	36	230	5.6	
5/19/1981 12:40							
5/19/1981 12:40		330	65	41	250	6.0	
7/1/1981 16:30							
7/1/1981 16:30		330	61	43	410	9.8	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
7/21/1981 12:15							
7/21/1981 12:15		230	44	29	160	4.6	
8/27/1981 9:20							
8/27/1981 9:20		210	44	24	180	6.0	
9/30/1981 14:05							
9/30/1981 14:05		290	59	34	190	5.4	
11/17/1981 10:25		340	69	40	240	6.3	
1/12/1982 13:10		500	100	60	360	7.0	
2/9/1982 14:40		460	97	53	340	6.9	
3/15/1982 17:40							
3/23/1982 14:10		76	18	7.6	37	2.0	
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35		250	55	28	170	5.1	
6/15/1982 14:30		190	40	21	140	4.9	
8/10/1982 10:45		280	64	28	210	6.0	
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45		410	81	51	260	6.2	
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00		200	41	24	140	4.8	
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06		451	78	62	410	8.4	
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as CaCO ₃ mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26		265	53	32	190	5.1	
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36		332	60	44	290	6.9	
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10		403	75	52	320	7.0	
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08		574	120	66	380	6.9	
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51		340	58	47	320	7.6	
12/10/1985 9:46							
1/28/1986 10:25		441	87	54	390	8.1	
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41		270	50	35	220	5.8	
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13		371	74	45	240	5.4	
12/16/1986 11:14							
1/27/1987 11:27		473	93	58	360	7.2	
4/27/1987 12:27							
5/5/1987 10:21		361	75	42	210	4.8	
6/10/1987 13:01							
7/28/1987 10:36		257	48	33	330	9.0	
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00		427	83	53	320	6.8	
1/7/1988 10:30							
2/23/1988 12:45		486	100	57	290	5.7	
3/30/1988 9:08							
4/12/1988 10:53		305	59	38	230	5.7	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as CaCO ₃ mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19		350	59	49	290	6.8	
10/11/1988 13:15							
11/15/1988 11:45		418	76	55	300	6.4	
1/4/1989 12:43							
2/28/1989 11:20		499	100	60	380	7.4	
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49		293	59	35	230	5.9	
6/22/1989 9:46							
8/1/1989 10:10		265	53	32	190	5.1	
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03		390	73	50	320	7.1	
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50		474	95	57	400	8.0	
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12		286	58	34	260	6.7	
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07		304	57	39	230	5.8	
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	< 0.100	408	82	49	270	5.8	
1/8/1991 11:45							
2/12/1991 10:40	0.51	295	60	35	200	5.1	
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	0.091	289	59	34	230	5.9	
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as CaCO ₃ mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
7/15/1991 12:50							
9/10/1991 8:30	< 0.040	284	54	36	260	6.7	
10/8/1991 14:18							
11/19/1991 11:32	< 0.050	132	23	18	130	4.9	
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	0.64	331	66	40	340	8.2	
4/7/1992 13:30							
6/2/1992 12:50	0.051	305	59	38	250	6.2	
7/14/1992 15:35							
8/10/1992 13:30	< 0.040	273	48	37	260	6.9	
10/7/1992 11:30	< 0.050	292	52	39	240	6.1	
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15		460	96	53	390	7.9	
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30		248	51	29	230	6.4	
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55		246	52	28	160	4.5	
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35		379	77	45	240	5.4	
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30		143	29	17	70	2.6	
5/25/1994 17:05							
8/16/1994 14:17		309	54	42	250	6.2	
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45		143	29	17	89	3.3	
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30		262	47	35	270	7.3	
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15		73.1	16	8	25	1.3	
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35		339	61	45	290	6.9	
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35		202	41	24	94	2.9	
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35		290	63	32	170	4.4	
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15		244	48	30	200	5.6	
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40		323	63	40	270	6.6	
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrate as N mg/l	Hardness as Caco3 mg/l	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAR	Sodium
3/15/1999 17:00							
3/18/1999 9:30		77.8	17	8.5	41	2.0	
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00		399	75	51	270	5.9	
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50		439	83	56	280	5.8	
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10		440	75	61	310	6.4	
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15		167	32	21	110	3.7	
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55		360	68	46	250	5.7	
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30		440	81	57	290	6.0	
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15		270	53	33	210	5.6	
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15		69	15	7.5	45	2.4	
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30		343	60.8	46.1	290	6.8	
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40		146	29.4	17.4	89.1	3.2	
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00		301	52.5	41	281	7.0	
9/23/2004 15:30		331	57.8	45.1	289	6.9	
3/29/2005 12:00		132	26.9	15.8	95.7	3.6	

USGS Surface Water Station 063

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
105 parameters USGS Parameter Code:	Filtered -935	Filtered -940	Filtered -945	Filtered -950	Unfiltered -951	Filtered -955	Filtered -1000
10/20/1949		4.6	317	0.30		13.0	
3/24/1950		2.0	48	0.30		7.7	
3/26/1950		< 0.1	40	0.20		7.4	
4/15/1950		2.0	26	0.20		9.8	
4/19/1950		0.5	30	0.20		8.6	
4/22/1950		1.0	70	0.20		9.6	
5/18/1950		1.0	230	0.20		11.0	
6/15/1950		6.6	298	0.30		14.0	
8/8/1950		3.5	325	0.30		19.0	
8/14/1950	7.3	4.0	315	0.20		14.0	
9/5/1950		5.0	283	0.40		18.0	
10/2/1950		4.5	300	0.40		17.0	
10/31/1950		5.0	333	0.30		16.0	
1/15/1951		5.5	390	0.20		18.0	
2/6/1951		5.5	383	0.60		19.0	
3/31/1951		1.0	27	0.40		4.1	
4/6/1951		0.5	31				
4/9/1951		0.5	63				
6/8/1951		0.5	149				
9/6/1951		1.0	228				
9/29/1969 16:15	7.0	0.7	315	0.30		13.0	
10/14/1969 16:00	6.5	< 0.1	319	0.70		12.0	
11/12/1969 13:30	6.3	< 0.1	356	0.60		10.0	
12/9/1969 14:45	6.8	< 0.1	436	0.10		14.0	
1/7/1970 15:30	6.7	3.9	476	0.30		15.0	
2/5/1970 14:50	7.0	< 0.1	469	< 0.10		18.0	
3/4/1970 15:05	7.0	3.1	467	0.60		16.0	
4/17/1970 11:35	6.1	1.7	292	0.10		8.2	
5/12/1970 15:25	6.2	0.9	144	0.10		4.8	
6/11/1970 11:45	1.6	9.1	525	0.40		11.0	
7/6/1970 13:40	6.9	4.1	365	0.40		13.0	
8/3/1970 14:30	7.1	1.4	328	0.20		10.0	
10/20/1970 14:45	6.5	5.9	410	0.90		11.0	
11/16/1970 15:00	6.2	6.0	470	0.90		9.8	
12/15/1970 15:00	7.3	8.5	620	0.60		14.0	
1/12/1971 15:05	7.3	7.2	560	0.60		17.0	
2/11/1971 14:45	6.5	6.5	520	0.80		17.0	
3/19/1971 15:05	8.9	1.3	68	0.40		5.9	
4/13/1971 17:15	7.3	2.7	270	0.40		7.3	
5/4/1971 11:15	7.4	3.6	440	0.70		7.5	
6/3/1971 13:10	7.8	5.5	470	0.30		11.0	
7/7/1971 18:30	7.6	3.7	380	0.20		11.0	
8/4/1971 16:10	7.1	7.5	370	0.60		14.0	
9/8/1971 15:00	7.6	5.0	410	0.50		13.0	
10/6/1971 10:05	8.1	3.4	520	0.60		8.3	
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
5/17/1972 14:15							
6/23/1972 12:40	7.5	2.7	230	0.20		8.4	
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00	7.6	6.4	440	0.20		5.6	
5/23/1973 18:00							
6/22/1973 10:50	8.1	4.3	640	0.40		8.8	
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30				0.50	0.70		
5/17/1974 10:00	7.5	4.2	480	0.20		6.8	
6/25/1974 9:50				0.60	1.60		
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15				0.30	0.50		
10/1/1974 13:30	8.9	15.0	374				
10/22/1974 13:00				0.30	0.50	13.0	1
10/22/1974 13:00							
11/5/1974 12:15	8.0	4.3	413				
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30	8.4	5.0	485				
12/18/1974 12:25							
12/18/1974 12:25				0.50		12.0	
1/15/1975 12:15	10.0	7.1	605				
1/16/1975 11:35							
1/16/1975 11:35				0.50		18.0	2
2/6/1975 13:30	10.0	9.0	625				
2/12/1975 12:30							
2/12/1975 12:30				0.50		19.0	
3/5/1975 10:45	11.0	8.2	430				
4/2/1975 13:00							
4/2/1975 13:00				0.40		10.0	1
4/17/1975 10:30	7.6	2.0	124				

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00	8.4	6.4	393				
5/21/1975 12:45							
5/21/1975 12:45				0.30		10.0	
6/23/1975 12:45	8.8	2.1	480				
6/27/1975 11:00							
6/27/1975 11:00				0.40		9.1	2
7/23/1975 11:00							
7/23/1975 11:00	8.3	3.6	340	0.40		13.0	
7/24/1975 11:00	8.2	4.1	385				
8/26/1975 12:20							
8/26/1975 12:20				0.50		13.0	
9/23/1975 11:45	7.7	4.1	301				
10/1/1975 12:00							
10/1/1975 12:00				0.30		13.0	< 1.0
10/9/1975 10:50	8.0	5.0	337				
10/22/1975 14:00				0.30		9.7	
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15	8.3	6.4	473				
11/25/1975 13:30							
11/25/1975 13:30				0.40		10.0	
12/11/1975 9:45	9.0	7.0	585				
12/30/1975 14:15							
12/30/1975 14:15				0.40	0.90	13.0	1
1/21/1976 12:00							
1/21/1976 12:00				0.50		14.0	
2/18/1976 14:30							
2/18/1976 14:30				0.20		6.3	
3/30/1976 13:15							
3/30/1976 13:15				0.20	0.20	6.6	< 1.0
4/21/1976 12:30							
4/21/1976 12:30				0.60		6.9	
5/18/1976 12:30							
5/18/1976 12:30				0.30		8.3	
6/22/1976 11:30							
6/22/1976 11:30				0.40	0.40	10.0	2
7/8/1976 9:45							
7/8/1976 9:45				0.40		12.0	
7/20/1976 11:10							
7/20/1976 11:10				0.30		8.3	
8/26/1976 10:15							
8/26/1976 10:15				0.40		12.0	
9/22/1976 12:00							
9/22/1976 12:00				0.30	0.90	6.8	4
10/20/1976 11:00							
10/20/1976 11:00				0.40		11.0	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
11/30/1976 12:40							
11/30/1976 12:40	9.4	6.9	520	0.40		11.0	
12/21/1976 13:10							
12/21/1976 13:10	9.1	8.0	570	0.50		14.0	< 1.0
1/18/1977 12:20							
1/18/1977 12:20	8.6	8.4	530	0.50		20.0	
2/15/1977 12:20							
2/15/1977 12:20	9.1	6.1	550	0.50		19.0	
3/15/1977 14:05							
3/22/1977 12:50	7.8	3.7	220	0.20	1.10	7.3	2
4/19/1977 12:00	8.3	3.6	470	0.80	0.70	7.0	
5/25/1977 12:45							
5/25/1977 12:45	9.9	6.6	500	0.50	0.90	11.0	
6/23/1977 12:00							
6/23/1977 12:00	7.9	3.0	220	0.30	0.50	8.1	2
7/20/1977 13:00							
7/20/1977 13:00	9.1	5.7	330	0.40	0.40	9.6	
8/23/1977 11:35							
8/23/1977 11:35	9.0	6.4	340	0.40	0.40	14.0	
9/22/1977 10:20							
9/22/1977 10:20	8.4	5.6	410	0.50		12.0	2
10/26/1977 12:30	2.2	5.8	390	0.40		11.0	
11/25/1977 13:00	8.3	6.9	460	0.40		13.0	
12/22/1977 12:40	9.6	7.8	590	0.50		14.0	1
1/24/1978 15:45	8.8	7.9	650	0.50		18.0	
2/22/1978 10:45	9.2	8.5	540	0.50		18.0	
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	7.0	3.0	170	0.10		6.4	2
4/27/1978 13:25	8.0	5.4	420	0.30	0.30	7.8	
5/23/1978 13:35							
5/23/1978 13:35	8.2	5.8	510	0.30	1.70	8.6	
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	9.0	10.0	440	0.40		14.0	1
7/26/1978 12:00							
7/26/1978 12:00	8.7	5.7	370	0.40	0.50	12.0	
8/22/1978 11:00							
8/22/1978 11:00	8.5	6.0	370	0.40	0.30	14.0	
9/26/1978 12:20							
9/26/1978 12:20	9.1	5.8	260	0.30	0.30	9.8	1
10/24/1978 12:20	8.9	14.0	390	0.30	0.30	13.0	
11/30/1978 13:20							
11/30/1978 13:20	8.1	7.6	530	0.40		12.0	
12/19/1978 13:00	11.0	7.9	600	0.40		14.0	1

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
1/23/1979 13:45	3.0	7.7	540	0.40		17.0	
2/21/1979 13:20	8.8	6.0	510	0.40		17.0	
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10	6.6	2.3	160	0.20		6.1	
4/18/1979 15:05	5.6	1.8	99	0.10	0.70	5.5	1
5/24/1979 9:00							
5/24/1979 9:00	8.6	6.1	490	0.40	0.20	8.4	
6/27/1979 13:30							
6/27/1979 13:30	9.3	3.6	330	0.30	0.70	7.3	1
7/26/1979 13:20							
7/26/1979 13:20	9.5	6.7	380	0.40	0.60	12.0	
8/29/1979 12:20							
8/29/1979 12:20	8.8	6.1	420	0.40	0.30	13.0	
9/20/1979 12:35							
9/20/1979 12:35	9.1	6.8	440	0.40	0.40		2
10/23/1979 8:40	9.1	7.0	430	0.40	0.10	12.0	
11/20/1979 14:35							
11/20/1979 14:35	7.6	7.3	510	0.40		9.9	
12/20/1979 12:10	9.4	15.0	550	0.40	0.30	14.0	1
1/22/1980 12:25	10.0	9.1	620	0.50		17.0	
2/26/1980 16:45	8.8	7.9	590	0.50		21.0	
3/24/1980 12:55							
3/24/1980 12:55	12.0	5.4	400	0.30	0.40	9.0	1
4/23/1980 12:30	8.6	5.4	440	0.40	0.50	6.9	
5/28/1980 11:25							
5/28/1980 11:25	10.0	7.2	440	0.40	0.50	12.0	
6/24/1980 11:00							
6/24/1980 11:00	10.0	4.5	300	0.40	0.30	11.0	2
7/22/1980 10:35							
7/22/1980 10:35					0.20		
7/22/1980 11:35	10.0	6.0	380	0.60	0.20	14.0	
8/21/1980 8:25							
8/21/1980 8:25	9.1	6.3	380	0.40	0.40	12.0	
9/23/1980 11:35							
9/23/1980 11:35	7.9	6.7	380	0.40	1.20	11.0	2
10/21/1980 12:25	10.0	6.3	460	0.40		7.0	
11/25/1980 12:05							
11/25/1980 12:05	9.1	5.0	550	0.40		8.3	
12/23/1980 13:00	8.5	8.4	620	0.40		12.0	1
2/4/1981 11:35	8.6	7.9	650	0.50		13.0	
2/20/1981 11:05							
2/24/1981 13:10	9.8	4.5	180	0.20		8.4	
3/24/1981 12:40							
3/24/1981 12:40	6.9	4.1	250	0.30		7.6	2
4/21/1981 12:10	7.5	5.6	370	0.40		8.2	
5/19/1981 12:40							
5/19/1981 12:40	7.4	7.5	420	0.40		8.6	
7/1/1981 16:30							
7/1/1981 16:30	9.3	6.3	750	0.50		8.7	4

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
7/21/1981 12:15							
7/21/1981 12:15	9.1	4.6	340	0.20		8.3	
8/27/1981 9:20							
8/27/1981 9:20	11.0	4.5	280	0.30		9.9	
9/30/1981 14:05							
9/30/1981 14:05	8.9	9.3	320	0.40		9.1	2
11/17/1981 10:25	8.8	8.6	440	0.40		8.4	1
1/12/1982 13:10	9.8	10.0	660	0.50		13.0	
2/9/1982 14:40	8.8	8.7	620	0.50		16.0	1
3/15/1982 17:40							
3/23/1982 14:10	8.9	2.3	57	0.10		6.7	1
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35	7.6	4.5	330	0.30		8.3	1
6/15/1982 14:30	8.5	4.1	270	0.30		9.0	
8/10/1982 10:45	9.0	5.6	350	0.30		9.8	2
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45	9.2	10.0	540	0.40		14.0	1
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00	9.3	5.5	280	0.20		9.4	1
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06	9.0	6.8	860	0.40		5.1	1
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26	10.0	6.3	360	0.40		11.0	1
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36	9.5	6.4	510	0.30		13.0	9
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10	0.3	12.0	540	0.50		12.0	2
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08	8.6	11.0	670	0.40		20.0	< 1.0
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51	9.7	13.0	530	0.50		8.4	3
12/10/1985 9:46							
1/28/1986 10:25	8.7	11.0	720	0.50		14.0	5
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41	9.6	5.4	460	0.30		9.8	3
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13	7.8	8.2	450	0.30		9.0	1
12/16/1986 11:14							
1/27/1987 11:27	7.7	8.7	680	0.40		15.0	2
4/27/1987 12:27							
5/5/1987 10:21	8.8	7.7	440	0.30		11.0	3
6/10/1987 13:01							
7/28/1987 10:36	10.0	4.9	590	0.50		8.9	2
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00	8.3	11.0	540	0.60		9.7	1
1/7/1988 10:30							
2/23/1988 12:45	12.0	10.0	580	0.40		18.0	1
3/30/1988 9:08							
4/12/1988 10:53	7.9	5.1	460	0.30		6.7	1

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19	7.0	8.3	520	0.40		13.0	3
10/11/1988 13:15							
11/15/1988 11:45	8.6	7.7	600	0.40		9.3	1
1/4/1989 12:43							
2/28/1989 11:20	8.3	7.4	600	0.50		19.0	< 1
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49	7.4	6.9	440	0.30		5.6	< 1
6/22/1989 9:46							
8/1/1989 10:10	9.9	5.9	310	0.40		9.9	2
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	9.4	7.0	540	0.40		8.5	< 1
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50	10.0	7.0	700	0.50		14.0	< 1
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	7.2	7.2	480	0.40		7.8	< 1
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	10.0	9.5	390	0.30		11.0	2
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	9.9	9.9	510	0.20		9.3	1
1/8/1991 11:45							
2/12/1991 10:40	14.0	10.0	430	0.30		12.0	2
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	7.4	7.2	430	0.40		5.1	< 1
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
7/15/1991 12:50							
9/10/1991 8:30	9.6	12.0	420	0.50		10.0	1
10/8/1991 14:18							
11/19/1991 11:32	3.5	14.0	520	0.40		8.1	
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	11.0	12.0	450	0.40		13.0	
4/7/1992 13:30							
6/2/1992 12:50	9.1	14.0	390	0.50		8.2	
7/14/1992 15:35							
8/10/1992 13:30	8.7	7.7	370	0.40		8.5	
10/7/1992 11:30	8.4	9.0	380	0.50		7.6	
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15	10.0	9.7	580	0.50		18.0	
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30	9.1	6.1	340	0.40		5.6	
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55	9.6	6.4	260	0.30		12.0	
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35	9.1	7.4	450	0.40		10.0	
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30	9.1	2.3	190	0.10		7.2	< 1.0
5/25/1994 17:05							
8/16/1994 14:17	12.0	7.6	410	0.40		11.0	< 1.0
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45	10.0	3.2	190	0.20			2
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30	15.0	16.0	540	0.30			2
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15	12.0	4.3	66	0.10			1
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35	10.0	8.2	480	0.50			< 1.0
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35	8.8	4.1	260	0.20			1
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35	11.0	6.7	320	0.30			1
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15	8.6	5.3	400	0.20			< 1.0
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40	12.0	7.3	500	0.40			3
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
3/15/1999 17:00							
3/18/1999 9:30	7.4	3.7	93	0.10			< 1.0
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00	10.0	6.7	570	0.30			1
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50	11.0	8.9	610	0.40			< 1.0
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10	11.0	10.0	610	0.30			1
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15	9.7	5.7	220	0.20			
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55	11.0	8.7	490	0.40			2
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30	11.0	9.3	670	0.30			< 1.0
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15	12.0	10.0	330	0.40			3
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15	14.0	< 0.1	85	0.10			2
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30	10.3	9.2	430	0.38		10.2	3.6
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40	9.3	3.2	199	0.15		7.5	< 1.0
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00	8.4	7.5	455	0.39		7.6	3.1
9/23/2004 15:30	8.5	8.6	491	0.40		8.0	2.7
3/29/2005 12:00	9.3	3.9	193	0.13		8.6	1.1

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Potassium mg/l	Chloride mg/l	Sulfate mg/l	Fluoride mg/l	Fluoride mg/l	Silica as SiO2 mg/l	Arsenic ug/l
8/9/2005 15:45	9.3	7.4	410	0.36		13.5	4.6
4/24/2006 12:15	10.1	6.7	543	0.33			1.9
7/10/2006 13:45	9.1	9.2	482	0.44			2.5
3/27/2007 11:50	9.0	5.5	272	0.28			1.1
7/24/2007 10:40	9.3	7.3	428	0.37			4.7
4/10/2008 12:05	6.6	6.3	425	0.34		7.1	1.2
7/17/2008 8:30	10.6	7.8	383	0.42		11.0	< 5.0
4/20/2009 10:45	8.2	3.0	193	0.15		8.1	1.4
9/4/2009 10:05	7.9	7.6	389	0.39		12.8	< 5.0
4/15/2010 11:30	9.9	7.3	501	0.22		11.2	< 5.0
8/26/2010 10:00	9.3	6.1	395	0.33		11.9	< 5.0
5/5/2011 7:55	9.9	21.5	763	0.26		5.2	< 5.0
9/7/2011 15:00	10.5		839	0.34		8.5	< 5.0
3/29/2012 8:00	9.0	15.8	839	0.34		7.0	< 5.0
7/24/2012 16:25	8.1		634	0.44		14.0	< 5.0
Number of Records: 674	189	206	208	216	36	191	102
Maximum	15.0	21.5	860	0.90	1.70	21.0	
75th %tile	9.6	7.9	520	0.40	0.70	13.0	
Median	8.8	6.3	423	0.40	0.45	11.0	
25th %tile	7.8	4.3	320	0.30	0.30	8.3	
Minimum	0.3	0.5	26	0.10	0.10	4.1	
% Non-detect Records	0.0%	2.9%	0.0%	0.5%	0.0%	0.0%	25.5%

USGS Surface Water Station 063

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
105 parameters USGS Parameter Code:	Unfiltered -1002	Filtered -1005	Unfiltered -1007	Filtered -1010	Unfiltered -1012	Filtered -1020	Unfiltered -1022
10/20/1949							
3/24/1950							
3/26/1950							
4/15/1950							
4/19/1950							
4/22/1950							
5/18/1950							
6/15/1950							
8/8/1950							
8/14/1950						300	
9/5/1950							
10/2/1950							
10/31/1950							
1/15/1951							
2/6/1951						430	
3/31/1951						120	
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15						< 10	
10/14/1969 16:00						190	
11/12/1969 13:30						220	
12/9/1969 14:45						370	
1/7/1970 15:30						70	
2/5/1970 14:50						260	
3/4/1970 15:05						70	
4/17/1970 11:35						750	
5/12/1970 15:25						670	
6/11/1970 11:45						< 10	
7/6/1970 13:40						450	
8/3/1970 14:30						330	
10/20/1970 14:45						70	
11/16/1970 15:00						270	
12/15/1970 15:00						270	
1/12/1971 15:05						280	
2/11/1971 14:45						170	
3/19/1971 15:05						< 10	
4/13/1971 17:15						1300	
5/4/1971 11:15						140	
6/3/1971 13:10						100	
7/7/1971 18:30						210	
8/4/1971 16:10						< 10	
9/8/1971 15:00						90	
10/6/1971 10:05						840	
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
5/17/1972 14:15							
6/23/1972 12:40						< 10	
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00						< 20	
5/23/1973 18:00							
6/22/1973 10:50						250	
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30						240	330
5/17/1974 10:00						340	
6/25/1974 9:50						360	370
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15							480
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00	2					310	330
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25							
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35	5					450	480
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30							
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00	3					250	330
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45						210	
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00	4	< 100	< 100	< 10	< 10	320	340
7/23/1975 11:00							
7/23/1975 11:00							
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20						310	
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00	1	< 200	< 100	< 10		240	360
10/9/1975 10:50							
10/22/1975 14:00						300	
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30						330	
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15	1	200.0	200.0	10	10	360	360
1/21/1976 12:00							
1/21/1976 12:00						350	
2/18/1976 14:30							
2/18/1976 14:30						190	
3/30/1976 13:15							
3/30/1976 13:15	2	< 100	< 100	< 10	< 10	120	140
4/21/1976 12:30							
4/21/1976 12:30						250	
5/18/1976 12:30							
5/18/1976 12:30						370	
6/22/1976 11:30							
6/22/1976 11:30	4	200.0	200.0	< 10	< 10	320	380
7/8/1976 9:45							
7/8/1976 9:45						350	
7/20/1976 11:10							
7/20/1976 11:10						370	
8/26/1976 10:15							
8/26/1976 10:15						350	
9/22/1976 12:00							
9/22/1976 12:00	13	< 100	400.0	< 10	< 10	220	260
10/20/1976 11:00							
10/20/1976 11:00						300	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
11/30/1976 12:40							
11/30/1976 12:40						350	
12/21/1976 13:10							
12/21/1976 13:10	< 1	< 100	< 100	< 10	< 10	380	410
1/18/1977 12:20							
1/18/1977 12:20						360	
2/15/1977 12:20							
2/15/1977 12:20						350	
3/15/1977 14:05							
3/22/1977 12:50	3	< 100	< 100	< 10	< 10	170	160
4/19/1977 12:00	2		< 100		10	210	240
5/25/1977 12:45							
5/25/1977 12:45	1		200.0		< 10	360	380
6/23/1977 12:00							
6/23/1977 12:00	5	< 100	200.0	< 10	< 10	190	220
7/20/1977 13:00							
7/20/1977 13:00	3		200.0		< 10	270	310
8/23/1977 11:35							
8/23/1977 11:35						300	
9/22/1977 10:20							
9/22/1977 10:20	2			10	10		360
10/26/1977 12:30						290	
11/25/1977 13:00						310	
12/22/1977 12:40	1	< 100	200.0	< 10	< 10	380	400
1/24/1978 15:45						370	
2/22/1978 10:45						330	
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	5	< 100	200.0	10	< 10	110	140
4/27/1978 13:25	3		< 100		< 10	230	270
5/23/1978 13:35							
5/23/1978 13:35	1		200.0		M	290	300
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	2	200.0	400.0	< 10	< 10	330	380
7/26/1978 12:00							
7/26/1978 12:00	3		300.0		< 10	320	350
8/22/1978 11:00							
8/22/1978 11:00	2		300.0		10	310	340
9/26/1978 12:20							
9/26/1978 12:20	1	< 100	< 100		< 10		240
10/24/1978 12:20	1		< 100		< 10		340
11/30/1978 13:20							
11/30/1978 13:20							
12/19/1978 13:00	1	< 100	< 100				

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
1/23/1979 13:45							
2/21/1979 13:20							
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10							
4/18/1979 15:05	6	< 100	300.0	< 10	10		120
5/24/1979 9:00							
5/24/1979 9:00	1		< 100		< 10		300
6/27/1979 13:30							
6/27/1979 13:30	4	< 100	200.0		< 10		210
7/26/1979 13:20							
7/26/1979 13:20	2		< 100		< 10		320
8/29/1979 12:20							
8/29/1979 12:20	1		< 100		10		300
9/20/1979 12:35							
9/20/1979 12:35	2	< 100	< 100		< 10		300
10/23/1979 8:40	2		300.0		< 10		340
11/20/1979 14:35							
11/20/1979 14:35							
12/20/1979 12:10	1	200.0	500.0	< 10	< 10		420
1/22/1980 12:25							
2/26/1980 16:45							
3/24/1980 12:55							
3/24/1980 12:55	2	60.0	100.0	< 1	< 10		270
4/23/1980 12:30	2		100.0		< 10		310
5/28/1980 11:25							
5/28/1980 11:25	2		100.0		< 10		350
6/24/1980 11:00							
6/24/1980 11:00	4	90.0	100.0	< 1	< 10		210
7/22/1980 10:35							
7/22/1980 10:35	2		200.0		< 10		350
7/22/1980 11:35	2		200.0		< 10		350
8/21/1980 8:25							
8/21/1980 8:25	3		< 100		< 10		350
9/23/1980 11:35							
9/23/1980 11:35	2	< 100	100.0	< 1	10		110
10/21/1980 12:25							
11/25/1980 12:05							
11/25/1980 12:05							
12/23/1980 13:00	2	< 100	200.0				
2/4/1981 11:35							
2/20/1981 11:05							
2/24/1981 13:10							
3/24/1981 12:40							
3/24/1981 12:40	2	50.0	100.0				
4/21/1981 12:10							
5/19/1981 12:40							
5/19/1981 12:40							
7/1/1981 16:30							
7/1/1981 16:30	4	< 100	100.0				

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
7/21/1981 12:15							
7/21/1981 12:15							
8/27/1981 9:20							
8/27/1981 9:20							
9/30/1981 14:05							
9/30/1981 14:05	2	< 100	100.0				
11/17/1981 10:25	1	84.0	100.0				
1/12/1982 13:10							
2/9/1982 14:40	2	< 100	100.0				
3/15/1982 17:40							
3/23/1982 14:10	2	42.0	100.0				
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35	2	83.0	100.0				
6/15/1982 14:30							
8/10/1982 10:45	2	110.0	100.0				
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45		89.0		< 0.5			
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00		52.0		< 0.5			
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06		< 100		< 10			
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26		68.0		< 0.5			
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36		< 100		< 1			
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10		< 100		< 10			
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08		200.0		< 10			
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51		57.0		< 0.50			
12/10/1985 9:46							
1/28/1986 10:25		< 100		< 10			
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41		84.0		< 0.50			
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13		77.0		< 0.50			
12/16/1986 11:14							
1/27/1987 11:27		200.0		< 10			
4/27/1987 12:27							
5/5/1987 10:21		83.0		< 0.50			
6/10/1987 13:01							
7/28/1987 10:36		80.0		< 0.50			
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00		64.0		< 0.50			
1/7/1988 10:30							
2/23/1988 12:45		77.0		< 0.50			
3/30/1988 9:08							
4/12/1988 10:53		49.0		< 0.50			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19		82.0		< 0.50			
10/11/1988 13:15							
11/15/1988 11:45		52.0		< 0.50			
1/4/1989 12:43							
2/28/1989 11:20		< 100		< 10			
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49		57.0		< 0.50			
6/22/1989 9:46							
8/1/1989 10:10		68.0		< 0.50			
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03		53.0		< 0.50			
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50		< 100		< 10			
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12		44.0		< 0.50			
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07		< 100		< 0.50			
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52		80.0		< 0.50			
1/8/1991 11:45							
2/12/1991 10:40		57.0		< 0.50			
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24		57.0		< 0.50			
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
7/15/1991 12:50							
9/10/1991 8:30		140.0		< 0.50			
10/8/1991 14:18							
11/19/1991 11:32		< 100					
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50		49.0					
4/7/1992 13:30							
6/2/1992 12:50		67.0					
7/14/1992 15:35							
8/10/1992 13:30		70.0					
10/7/1992 11:30		62.0					
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15		< 100					
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30		52.0					
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55		81.0					
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35		89.0					
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30						80	
5/25/1994 17:05							
8/16/1994 14:17						300	
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45							
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30							
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15							
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35							
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35							
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35							
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15							
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40							
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
3/15/1999 17:00							
3/18/1999 9:30							
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00							
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50							
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10							
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15							
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55							
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30							
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15							
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15							
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30							
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40							
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00							
9/23/2004 15:30							
3/29/2005 12:00		32.2		< 1		100	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Arsenic ug/l	Barium ug/l	Barium ug/l	Beryllium ug/l	Beryllium ug/l	Boron ug/l	Boron ug/l
8/9/2005 15:45		95.0		< 1		320	
4/24/2006 12:15		54.1		< 1.00		320	
7/10/2006 13:45		86.2		< 1.00		510	
3/27/2007 11:50		44.7		< 1.00		188	
7/24/2007 10:40		81.4		< 1.00		374	
4/10/2008 12:05		30.2		< 1.00		245	
7/17/2008 8:30		62.2		< 1.00		337	
4/20/2009 10:45		54.6		< 1.00		108	
9/4/2009 10:05		90.8		< 5.00		255	
4/15/2010 11:30		73.5		< 5.00		187	
8/26/2010 10:00		72.9		< 5.00		318	
5/5/2011 7:55		83.6		< 5.00		261	
9/7/2011 15:00		87.2		< 5.00		420	
3/29/2012 8:00		44.4		< 5.00		327	
7/24/2012 16:25		78.8		< 5.00		387	
Number of Records: 674	51	85	47	64	37	94	44
Maximum	13.0					1,300	480
75th %tile	3.0					350	360
Median	2.0					300	330
25th %tile	2.0					218	268
Minimum	1.0					70	110
% Non-detect Records	2.0%	32.9%	31.9%	95.3%	81.1%	6.4%	0.0%

USGS Surface Water Station 063

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
105 parameters USGS Parameter Code:	Filtered -1025	Unfiltered -1027	Filtered -1030	Unfiltered -1034	Filtered -1035	Unfiltered -1037	Filtered -1040
10/20/1949							
3/24/1950							
3/26/1950							
4/15/1950							
4/19/1950							
4/22/1950							
5/18/1950							
6/15/1950							
8/8/1950							
8/14/1950							
9/5/1950							
10/2/1950							
10/31/1950							
1/15/1951							
2/6/1951							
3/31/1951							
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15							
10/14/1969 16:00							
11/12/1969 13:30							
12/9/1969 14:45							
1/7/1970 15:30							
2/5/1970 14:50							
3/4/1970 15:05							
4/17/1970 11:35							
5/12/1970 15:25							
6/11/1970 11:45							
7/6/1970 13:40							
8/3/1970 14:30							
10/20/1970 14:45							
11/16/1970 15:00							
12/15/1970 15:00							
1/12/1971 15:05							
2/11/1971 14:45							
3/19/1971 15:05							
4/13/1971 17:15							
5/4/1971 11:15							
6/3/1971 13:10							
7/7/1971 18:30							
8/4/1971 16:10							
9/8/1971 15:00							
10/6/1971 10:05							
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
5/17/1972 14:15							
6/23/1972 12:40							
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00							
5/23/1973 18:00							
6/22/1973 10:50							
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30							20
5/17/1974 10:00							
6/25/1974 9:50							20
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15							
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00	< 2	< 20	< 20	< 20	< 2	< 100	M
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25							
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35	< 2	< 20	< 20	20	< 2	< 100	
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30							
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00	< 2	20	< 20	< 20	< 2	< 100	M
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45							
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00	< 2	< 20	< 20	< 20			M
7/23/1975 11:00							
7/23/1975 11:00							
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20							
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00	< 2	< 20	< 20	< 20			M
10/9/1975 10:50							
10/22/1975 14:00							
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30							
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15	< 2	< 20	< 20	< 20			< 2
1/21/1976 12:00							
1/21/1976 12:00							
2/18/1976 14:30							
2/18/1976 14:30							
3/30/1976 13:15							
3/30/1976 13:15	< 2	< 20	< 20	< 20			M
4/21/1976 12:30							
4/21/1976 12:30							
5/18/1976 12:30							
5/18/1976 12:30							
6/22/1976 11:30							
6/22/1976 11:30	< 2	< 20	< 20	< 20			< 2
7/8/1976 9:45							
7/8/1976 9:45							
7/20/1976 11:10							
7/20/1976 11:10							
8/26/1976 10:15							
8/26/1976 10:15							
9/22/1976 12:00							
9/22/1976 12:00	< 2	< 20	< 20	50			M
10/20/1976 11:00							
10/20/1976 11:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
11/30/1976 12:40							
11/30/1976 12:40							
12/21/1976 13:10							
12/21/1976 13:10	< 2	< 20	< 20	< 20	M	< 100	M
1/18/1977 12:20							
1/18/1977 12:20							
2/15/1977 12:20							
2/15/1977 12:20							
3/15/1977 14:05							
3/22/1977 12:50	< 2	< 20	< 20	< 20	< 2	< 100	M
4/19/1977 12:00		< 20		< 20		< 100	
5/25/1977 12:45							
5/25/1977 12:45		< 20		< 20		< 100	
6/23/1977 12:00							
6/23/1977 12:00	< 2	< 20	< 20	< 20	< 2	< 100	M
7/20/1977 13:00							
7/20/1977 13:00		< 20		< 20		< 100	
8/23/1977 11:35							
8/23/1977 11:35							
9/22/1977 10:20							
9/22/1977 10:20	< 2	< 20	< 20	< 20	< 2	< 100	< 2
10/26/1977 12:30							
11/25/1977 13:00							
12/22/1977 12:40	< 2	< 20	< 20	< 20	< 2	< 100	M
1/24/1978 15:45							
2/22/1978 10:45							
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	M	M	< 20	< 20	10	M	40
4/27/1978 13:25		< 2		20		M	
5/23/1978 13:35							
5/23/1978 13:35		< 2		20		< 2	
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	< 2	< 2	< 20	< 20	< 2	< 2	M
7/26/1978 12:00							
7/26/1978 12:00		M		< 20		M	
8/22/1978 11:00							
8/22/1978 11:00		< 2		< 20		< 2	
9/26/1978 12:20							
9/26/1978 12:20	< 2	M	< 20	< 20	M	M	M
10/24/1978 12:20		< 2		< 20		< 2	
11/30/1978 13:20							
11/30/1978 13:20							
12/19/1978 13:00	< 2	< 2	20	20	< 2	M	M

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
1/23/1979 13:45							
2/21/1979 13:20							
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10							
4/18/1979 15:05			< 20	20	< 3	10	M
5/24/1979 9:00							
5/24/1979 9:00		< 2		< 20		< 2	
6/27/1979 13:30							
6/27/1979 13:30	< 2	< 2	< 20	20	< 3	M	M
7/26/1979 13:20							
7/26/1979 13:20		< 2		< 20		M	
8/29/1979 12:20							
8/29/1979 12:20		< 2		< 20		< 2	
9/20/1979 12:35							
9/20/1979 12:35	< 2	< 2	< 20	< 20	< 3	< 2	< 2
10/23/1979 8:40		< 2		< 2		< 2	
11/20/1979 14:35							
11/20/1979 14:35							
12/20/1979 12:10	< 2	M	< 2	16	< 2	< 2	< 2
1/22/1980 12:25							
2/26/1980 16:45							
3/24/1980 12:55							
3/24/1980 12:55	< 1	M	< 2	20	< 3	M	M
4/23/1980 12:30		M		< 2		< 2	
5/28/1980 11:25							
5/28/1980 11:25		M		< 2		M	
6/24/1980 11:00							
6/24/1980 11:00	< 1	M	< 2	10	< 3	M	M
7/22/1980 10:35							
7/22/1980 10:35		< 2		< 2		M	
7/22/1980 11:35							
8/21/1980 8:25							
8/21/1980 8:25		< 2		< 2		< 2	
9/23/1980 11:35							
9/23/1980 11:35	< 1	< 2	20	10	< 3	M	M
10/21/1980 12:25							
11/25/1980 12:05							
11/25/1980 12:05							
12/23/1980 13:00	< 2	< 2	< 2	20	< 2	< 2	M
2/4/1981 11:35							
2/20/1981 11:05							
2/24/1981 13:10							
3/24/1981 12:40							
3/24/1981 12:40	< 1	< 2	< 2	10	< 3	< 2	M
4/21/1981 12:10							
5/19/1981 12:40							
5/19/1981 12:40							
7/1/1981 16:30							
7/1/1981 16:30	< 2	< 2	10	< 2	< 2	M	M

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
7/21/1981 12:15							
7/21/1981 12:15							
8/27/1981 9:20							
8/27/1981 9:20							
9/30/1981 14:05							
9/30/1981 14:05	< 1	< 2	< 2	20	< 3	M	M
11/17/1981 10:25	< 1	< 1	< 10	< 10	< 3	< 1	M
1/12/1982 13:10							
2/9/1982 14:40	M	< 1	< 10	10	< 1	M	M
3/15/1982 17:40							
3/23/1982 14:10	< 1	< 1	< 10	10	< 1	M	M
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35	< 3	< 1	< 10	10	< 1	< 1	M
6/15/1982 14:30							
8/10/1982 10:45	< 1	M	< 10	10	< 1	< 1	M
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45	< 1		< 1		< 3		M
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00	< 1		< 1		< 3		M
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06	< 1		< 1		M		M
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26	< 1		< 1		< 3		M
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36	< 1			M		< 3	M
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10	< 1			< 1		< 1	M
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08	< 1			< 1		M	M
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51	4		< 1		< 3.0		3
12/10/1985 9:46							
1/28/1986 10:25	1		< 1		1		2
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41	< 1.0		< 1		< 3.0		5
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13	< 1.0		< 1		< 3.0		3
12/16/1986 11:14							
1/27/1987 11:27	< 1		< 1		1		3
4/27/1987 12:27							
5/5/1987 10:21	< 1.0		< 1		< 3.0		4
6/10/1987 13:01							
7/28/1987 10:36	< 1.0		< 1		< 3.0		6
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00	< 1.0		< 1		< 3.0		3
1/7/1988 10:30							
2/23/1988 12:45	< 1.0		3		< 3.0		5
3/30/1988 9:08							
4/12/1988 10:53	< 1.0		< 1		< 3.0		3

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19	< 1.0		< 1		< 3.0		1
10/11/1988 13:15							
11/15/1988 11:45	3		2		< 3.0		4
1/4/1989 12:43							
2/28/1989 11:20	3		2		< 1		150
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49	< 1.0		< 1		< 3.0		2
6/22/1989 9:46							
8/1/1989 10:10	< 1.0		< 1		< 3.0		< 1.0
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	2		< 1		< 1.0		5
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50	< 1.0		1		1		3
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	< 1.0		3		1		12
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	1		< 1		< 3.0		2
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	< 1.0		1		< 3.0		2
1/8/1991 11:45							
2/12/1991 10:40	2		< 1		1		6
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	< 1.0		1		< 3.0		1
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
7/15/1991 12:50							
9/10/1991 8:30	< 1.0		< 1		< 3.0		< 1.0
10/8/1991 14:18							
11/19/1991 11:32					< 1.0		
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50					< 1.0		
4/7/1992 13:30							
6/2/1992 12:50					< 3.0		
7/14/1992 15:35							
8/10/1992 13:30					< 3.0		
10/7/1992 11:30					< 3.0		
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15					< 1.0		
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30					< 3.0		
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55					< 3.0		
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35					< 3.0		
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30							
5/25/1994 17:05							
8/16/1994 14:17							
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45							
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30							
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15							
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35							
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35							
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35							
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15							
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40							
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l
3/15/1999 17:00							
3/18/1999 9:30							
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00							
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50							
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10							
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15							
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55							
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30							
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15							
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15							
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30							
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40							
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00							
9/23/2004 15:30							
3/29/2005 12:00	< 1		< 1.0				3.6

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Cadmium ug/l	Cadmium ug/l	Chromium ug/l	Chromium ug/l	Cobalt ug/l	Cobalt ug/l	Copper ug/l	
8/9/2005 15:45	< 1		1				6.4	
4/24/2006 12:15	< 1.00		< 1.0				7.5	
7/10/2006 13:45	< 1.00		1.2				3.7	
3/27/2007 11:50	< 1.00		< 1.0				4.1	
7/24/2007 10:40	< 1.00		< 1.0				4.4	
4/10/2008 12:05	< 1.00		6.4				2.8	
7/17/2008 8:30	< 1.00		1.3				3.8	
4/20/2009 10:45	< 1.00		3.6				1.9	
9/4/2009 10:05	< 5.00		< 5.0				< 5.0	
4/15/2010 11:30	< 5.00		< 5.0				< 5.0	
8/26/2010 10:00	< 5.00		< 5.0				< 5.0	
5/5/2011 7:55	< 5.00		< 5.0				< 5.0	
9/7/2011 15:00	< 5.00		< 5.0				< 5.0	
3/29/2012 8:00	< 5.00		< 5.0				< 5.0	
7/24/2012 16:25	< 5.00		< 5.0				< 5.0	
Number of Records:	674	79	49	80	50	67	44	81
Maximum								
75th %tile								
Median								
25th %tile								
Minimum								
% Non-detect Records	91.1%	98.0%	81.3%	64.0%	91.0%	97.7%	59.3%	

USGS Surface Water Station 063

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
105 parameters USGS Parameter Code:	Unfiltered -1042	Unfiltered -1045	Filtered -1046	Filtered -1049	Unfiltered -1051	Unfiltered -1055	Filtered -1056
10/20/1949		60					
3/24/1950		240					
3/26/1950		200					
4/15/1950							
4/19/1950		20					
4/22/1950		20					
5/18/1950		100					
6/15/1950		20					
8/8/1950		40					
8/14/1950		40					
9/5/1950		60					
10/2/1950		100					
10/31/1950		40					
1/15/1951		60					
2/6/1951		40					
3/31/1951		400					
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15							
10/14/1969 16:00							
11/12/1969 13:30							
12/9/1969 14:45							
1/7/1970 15:30							
2/5/1970 14:50							
3/4/1970 15:05							
4/17/1970 11:35							
5/12/1970 15:25							
6/11/1970 11:45							
7/6/1970 13:40							
8/3/1970 14:30							
10/20/1970 14:45			520				10
11/16/1970 15:00			360				10
12/15/1970 15:00			< 10				20
1/12/1971 15:05			< 10				10
2/11/1971 14:45			< 10				10
3/19/1971 15:05			460				10
4/13/1971 17:15			200				50
5/4/1971 11:15			200				10
6/3/1971 13:10			100				10
7/7/1971 18:30			< 10				30
8/4/1971 16:10			< 10				20
9/8/1971 15:00			< 10				30
10/6/1971 10:05			< 10				10
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
5/17/1972 14:15							
6/23/1972 12:40			740				60
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00			360				40
5/23/1973 18:00							
6/22/1973 10:50			40				20
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30	30			M	< 200		
5/17/1974 10:00			20				20
6/25/1974 9:50	20			M	< 200		
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15				M	< 200		
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00	< 20	880	520	< 2	< 200	300	130
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25							
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35		820	30	M	< 200	30	30
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30							
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00	20	1100	110	< 2	< 200	80	80
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45							
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00	< 20	3700	50	< 2	< 200	280	< 10
7/23/1975 11:00							
7/23/1975 11:00							
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20							
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00	< 20	160	40	M	< 200	210	30
10/9/1975 10:50							
10/22/1975 14:00							
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30							
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15	< 20	650	20	< 2	< 200	170	140
1/21/1976 12:00							
1/21/1976 12:00							
2/18/1976 14:30							
2/18/1976 14:30							
3/30/1976 13:15							
3/30/1976 13:15	20	5800	130	M	< 200	210	40
4/21/1976 12:30							
4/21/1976 12:30							
5/18/1976 12:30							
5/18/1976 12:30							
6/22/1976 11:30							
6/22/1976 11:30	< 20	2200	30	M	M	240	M
7/8/1976 9:45							
7/8/1976 9:45							
7/20/1976 11:10							
7/20/1976 11:10							
8/26/1976 10:15							
8/26/1976 10:15							
9/22/1976 12:00							
9/22/1976 12:00	50	38000	80	M	< 200	940	< 10
10/20/1976 11:00							
10/20/1976 11:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
11/30/1976 12:40							
11/30/1976 12:40			30				
12/21/1976 13:10							
12/21/1976 13:10	< 20	640	30	M	< 200	160	170
1/18/1977 12:20							
1/18/1977 12:20			50				
2/15/1977 12:20							
2/15/1977 12:20			30				
3/15/1977 14:05							
3/22/1977 12:50	20	3500	180	M	< 200	130	50
4/19/1977 12:00	20	1600	60		< 200	240	
5/25/1977 12:45							
5/25/1977 12:45	< 20	1500	30		< 200	220	
6/23/1977 12:00							
6/23/1977 12:00	20	13000	100	M	< 200	340	M
7/20/1977 13:00							
7/20/1977 13:00	< 20	2200	50		< 200	180	
8/23/1977 11:35							
8/23/1977 11:35			30				
9/22/1977 10:20							
9/22/1977 10:20	< 20	2100	20	< 2	< 200	220	< 10
10/26/1977 12:30			90				
11/25/1977 13:00			30				
12/22/1977 12:40	M	630	40	< 2	M	90	70
1/24/1978 15:45			40				
2/22/1978 10:45			70				
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	40	15000	230			560	40
4/27/1978 13:25	M	1900	30		M	140	
5/23/1978 13:35							
5/23/1978 13:35	M	1700	40		M	150	
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	M	2000	20	M		200	20
7/26/1978 12:00							
7/26/1978 12:00	10	1600	40		M	220	
8/22/1978 11:00							
8/22/1978 11:00	M	650	< 10		M	140	
9/26/1978 12:20							
9/26/1978 12:20	M	2300	30	< 2	M	120	20
10/24/1978 12:20	M	490			M	100	
11/30/1978 13:20							
11/30/1978 13:20							
12/19/1978 13:00	M	710	40	M	M	160	180

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
1/23/1979 13:45							
2/21/1979 13:20							
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10							
4/18/1979 15:05	90	24000	160			840	60
5/24/1979 9:00							
5/24/1979 9:00	< 20	1500			M	180	
6/27/1979 13:30							
6/27/1979 13:30	30	230	70	< 2	M	600	< 10
7/26/1979 13:20							
7/26/1979 13:20	10	2200			M	160	
8/29/1979 12:20							
8/29/1979 12:20	M	820			M	120	
9/20/1979 12:35							
9/20/1979 12:35	< 2	800	< 10	< 2	< 2	160	30
10/23/1979 8:40	< 2	330			< 2	120	
11/20/1979 14:35							
11/20/1979 14:35							
12/20/1979 12:10	M	580	20	< 2	< 2	170	120
1/22/1980 12:25							
2/26/1980 16:45							
3/24/1980 12:55							
3/24/1980 12:55	M	2100	140	< 2	M	160	80
4/23/1980 12:30	M	1600			M	300	
5/28/1980 11:25							
5/28/1980 11:25	M	910			M	280	
6/24/1980 11:00							
6/24/1980 11:00	20	7600	30	< 2	M	190	M
7/22/1980 10:35							
7/22/1980 10:35	M	730			M	130	
7/22/1980 11:35							
8/21/1980 8:25							
8/21/1980 8:25	M	630			M	160	
9/23/1980 11:35							
9/23/1980 11:35	M	660	10	< 2	M	150	50
10/21/1980 12:25							
11/25/1980 12:05							
11/25/1980 12:05							
12/23/1980 13:00	M	500	30	< 2	M	170	160
2/4/1981 11:35							
2/20/1981 11:05							
2/24/1981 13:10							
3/24/1981 12:40							
3/24/1981 12:40	M	1700	50	M	M	130	70
4/21/1981 12:10							
5/19/1981 12:40							
5/19/1981 12:40							
7/1/1981 16:30							
7/1/1981 16:30	M	1300	< 10	M	M	220	< 10

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
7/21/1981 12:15							
7/21/1981 12:15							
8/27/1981 9:20							
8/27/1981 9:20							
9/30/1981 14:05							
9/30/1981 14:05	M	1200	20	< 2	M	150	20
11/17/1981 10:25	M	670	20	< 1	M	120	70
1/12/1982 13:10							
2/9/1982 14:40	M	500	70	M	M	210	220
3/15/1982 17:40							
3/23/1982 14:10	20	7200	280	< 1	M	190	30
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35	M	1400	30	< 1	M	150	M
6/15/1982 14:30							
8/10/1982 10:45	M	2200	20	< 1	M	200	10
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45			20	< 1			110
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00			200	< 1			30
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06			40	M			10
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26			230	< 1			70
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36			M	< 1			20
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10			70	M			90
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08			30	< 1			250
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51			54	< 1			21
12/10/1985 9:46							
1/28/1986 10:25			20	< 1			140
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41			200	< 5			14
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13			13	< 5			36
12/16/1986 11:14							
1/27/1987 11:27			20	< 5			140
4/27/1987 12:27							
5/5/1987 10:21			9	< 5			14
6/10/1987 13:01							
7/28/1987 10:36			28	< 5			1
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00			11	< 5			91
1/7/1988 10:30							
2/23/1988 12:45			130	< 5			320
3/30/1988 9:08							
4/12/1988 10:53			12	< 5			66

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19			8	< 5			81
10/11/1988 13:15							
11/15/1988 11:45			26	< 5			99
1/4/1989 12:43							
2/28/1989 11:20			40	< 5			230
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49			21	< 5			20
6/22/1989 9:46							
8/1/1989 10:10			7	< 1			13
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03			16	1			95
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50			30	< 1			150
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12			14	3			66
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07			7	< 1			17
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52			13	< 1			110
1/8/1991 11:45							
2/12/1991 10:40			190	1			170
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24			12	< 1			42
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
7/15/1991 12:50							
9/10/1991 8:30			< 3.0	< 1			86
10/8/1991 14:18							
11/19/1991 11:32			< 10				20
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50			130				74
4/7/1992 13:30							
6/2/1992 12:50			< 3.0				21
7/14/1992 15:35							
8/10/1992 13:30			8				48
10/7/1992 11:30			9				45
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15			30				170
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30			29				12
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55			27				4
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35			15				64
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30			200	< 1			60
5/25/1994 17:05							
8/16/1994 14:17			20	< 1			30
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45			5200	M			300
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30			30	< 1			10
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15			150	M			50
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35			20	< 1			80
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35			90	< 1			70
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35			30	< 1			20
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15			90	< 1			80
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40			30	M			30
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
3/15/1999 17:00							
3/18/1999 9:30			330	< 1			70
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00			60	< 1			30
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50			60	M			60
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10			50	< 1			40
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15			170				100
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55			10	M			10
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30			90	< 1			40
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15			70	1			10
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15			630	1			80
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30			420	< 1			280
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40			220	< 1			60
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00			30	< 1			30
9/23/2004 15:30			30	< 1			50
3/29/2005 12:00			260	< 1.00			70

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Copper ug/l	Iron ug/l	Iron ug/l	Lead ug/l	Lead ug/l	Manganese ug/l	Manganese ug/l
8/9/2005 15:45			40	< 1			20
4/24/2006 12:15			40	< 1.00			< 10
7/10/2006 13:45			< 10	< 1.00			50
3/27/2007 11:50			59	< 1.00			95
7/24/2007 10:40			< 50.0	< 1.00			35
4/10/2008 12:05			< 50.0	< 1.00			70
7/17/2008 8:30			< 50.0	< 1.00			113
4/20/2009 10:45			< 50.0	< 1.00			71
9/4/2009 10:05			< 50.0	< 5.00			11
4/15/2010 11:30			114	< 5.00			45
8/26/2010 10:00			< 50.0	< 5.00			41
5/5/2011 7:55			< 50.0	< 5.00			14
9/7/2011 15:00			68	< 5.00			22
3/29/2012 8:00			83	< 5.00			86
7/24/2012 16:25			60	< 5.00			73
Number of Records: 674	51	65	144	103	50	50	129
Maximum		38,000				940	320
75th %tile		2,000				220	80
Median		820				170	48
25th %tile		330				143	20
Minimum		20				30	1
% Non-detect Records	70.6%	0.0%	15.3%	95.1%	100.0%	0.0%	7.8%

USGS Surface Water Station 063

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
105 parameters USGS Parameter Code:	Filtered -1057	Filtered -1060	Unfiltered -1062	Filtered -1065	Unfiltered -1067	Filtered -1075	Unfiltered -1077
10/20/1949							
3/24/1950							
3/26/1950							
4/15/1950							
4/19/1950							
4/22/1950							
5/18/1950							
6/15/1950							
8/8/1950							
8/14/1950							
9/5/1950							
10/2/1950							
10/31/1950							
1/15/1951							
2/6/1951							
3/31/1951							
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15							
10/14/1969 16:00							
11/12/1969 13:30							
12/9/1969 14:45							
1/7/1970 15:30							
2/5/1970 14:50							
3/4/1970 15:05							
4/17/1970 11:35							
5/12/1970 15:25							
6/11/1970 11:45							
7/6/1970 13:40							
8/3/1970 14:30							
10/20/1970 14:45							
11/16/1970 15:00							
12/15/1970 15:00							
1/12/1971 15:05							
2/11/1971 14:45							
3/19/1971 15:05							
4/13/1971 17:15							
5/4/1971 11:15							
6/3/1971 13:10							
7/7/1971 18:30							
8/4/1971 16:10							
9/8/1971 15:00							
10/6/1971 10:05							
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
5/17/1972 14:15							
6/23/1972 12:40							
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00							
5/23/1973 18:00							
6/22/1973 10:50							
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30							
5/17/1974 10:00							
6/25/1974 9:50							
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15							
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00							
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25							
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35							
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30							
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00							
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45							
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00		3	3	M	< 50		
7/23/1975 11:00							
7/23/1975 11:00							
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20							
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00		4	3	M			
10/9/1975 10:50							
10/22/1975 14:00							
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30							
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15		3	3	M	< 50		
1/21/1976 12:00							
1/21/1976 12:00							
2/18/1976 14:30							
2/18/1976 14:30							
3/30/1976 13:15							
3/30/1976 13:15		2	1	M	< 50		
4/21/1976 12:30							
4/21/1976 12:30							
5/18/1976 12:30							
5/18/1976 12:30							
6/22/1976 11:30							
6/22/1976 11:30		4	4	M	M		
7/8/1976 9:45							
7/8/1976 9:45							
7/20/1976 11:10							
7/20/1976 11:10							
8/26/1976 10:15							
8/26/1976 10:15							
9/22/1976 12:00							
9/22/1976 12:00		2	3	M	M		
10/20/1976 11:00							
10/20/1976 11:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
11/30/1976 12:40							
11/30/1976 12:40							
12/21/1976 13:10							
12/21/1976 13:10		1	2	M	< 50		< 20.0
1/18/1977 12:20							
1/18/1977 12:20							
2/15/1977 12:20							
2/15/1977 12:20							
3/15/1977 14:05							
3/22/1977 12:50		< 1	2	M	M		< 20.0
4/19/1977 12:00			1		< 50		< 20.0
5/25/1977 12:45							
5/25/1977 12:45			2		< 50		< 20.0
6/23/1977 12:00							
6/23/1977 12:00		2	2	M	< 50		< 20.0
7/20/1977 13:00							
7/20/1977 13:00			3		< 50		< 20.0
8/23/1977 11:35							
8/23/1977 11:35							
9/22/1977 10:20							
9/22/1977 10:20		2	2	< 2	< 50		< 20.0
10/26/1977 12:30							
11/25/1977 13:00							
12/22/1977 12:40		1	1	M	M	< 2	< 20.0
1/24/1978 15:45							
2/22/1978 10:45							
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30		< 1	4	M	M	< 2	< 2.00
4/27/1978 13:25			5		M		< 2.00
5/23/1978 13:35							
5/23/1978 13:35			5		M		< 2.00
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25		< 1	3	M	M	< 2	< 2.00
7/26/1978 12:00							
7/26/1978 12:00			5		M		< 2.00
8/22/1978 11:00							
8/22/1978 11:00			7		M		< 2.00
9/26/1978 12:20							
9/26/1978 12:20			5		M	< 2	< 2.00
10/24/1978 12:20			1		M		< 2.00
11/30/1978 13:20							
11/30/1978 13:20							
12/19/1978 13:00						< 2	4

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
1/23/1979 13:45							
2/21/1979 13:20							
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10							
4/18/1979 15:05		< 1	< 1	< 2	M	< 2	< 2.00
5/24/1979 9:00							
5/24/1979 9:00			1		M		< 2.00
6/27/1979 13:30							
6/27/1979 13:30			< 1		M	< 2	< 2.00
7/26/1979 13:20							
7/26/1979 13:20			2		M		< 2.00
8/29/1979 12:20							
8/29/1979 12:20			5		M		< 2.00
9/20/1979 12:35							
9/20/1979 12:35			2	M	M	< 2	< 2.00
10/23/1979 8:40			< 1		M		< 2.00
11/20/1979 14:35							
11/20/1979 14:35							
12/20/1979 12:10		< 1	< 1	M	M	< 2	< 2.00
1/22/1980 12:25							< 2.00
2/26/1980 16:45							
3/24/1980 12:55							
3/24/1980 12:55		< 10	2	M	M	< 2	1
4/23/1980 12:30			3		M		< 2.00
5/28/1980 11:25							
5/28/1980 11:25			4		M		< 2.00
6/24/1980 11:00							
6/24/1980 11:00		3	4	M	M	< 2	< 2.00
7/22/1980 10:35							
7/22/1980 10:35			3		M		< 2.00
7/22/1980 11:35							< 2.00
8/21/1980 8:25							
8/21/1980 8:25			3		M		< 2.00
9/23/1980 11:35							
9/23/1980 11:35		< 10	2	M	M	< 2	< 2.00
10/21/1980 12:25							
11/25/1980 12:05							
11/25/1980 12:05							
12/23/1980 13:00				M	M	< 2	< 2.00
2/4/1981 11:35							
2/20/1981 11:05							
2/24/1981 13:10							
3/24/1981 12:40							
3/24/1981 12:40				M	M	< 2	< 2.00
4/21/1981 12:10							
5/19/1981 12:40							
5/19/1981 12:40							
7/1/1981 16:30							
7/1/1981 16:30				M	M	1	< 2.00

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
7/21/1981 12:15							
7/21/1981 12:15							
8/27/1981 9:20							
8/27/1981 9:20							
9/30/1981 14:05							
9/30/1981 14:05				M	M	< 2	1
11/17/1981 10:25				M	M	< 1	< 1.00
1/12/1982 13:10							
2/9/1982 14:40				M	M	< 1	< 1.00
3/15/1982 17:40							
3/23/1982 14:10				M	M	< 1	1
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35				M	M	< 1	< 1.00
6/15/1982 14:30							
8/10/1982 10:45				M	M	< 1	1
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45		< 10		M		< 1	
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00		< 10		M		< 1	
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06		3		M		< 1	
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26		< 10		M		< 1	
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36		< 10				< 1	
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10		2		M		< 1	
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08		1		M		< 1	
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51		< 10.0		6		< 1	
12/10/1985 9:46							
1/28/1986 10:25		2		2		< 1	
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41		< 10.0		4		< 1	
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13		< 10.0		< 1		< 1	
12/16/1986 11:14							
1/27/1987 11:27		3		< 1		< 1	
4/27/1987 12:27							
5/5/1987 10:21		< 10.0		2		< 1	
6/10/1987 13:01							
7/28/1987 10:36		< 10.0		8		< 1	
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00		< 10.0		3		< 1	
1/7/1988 10:30							
2/23/1988 12:45		< 10.0		< 1		< 1	
3/30/1988 9:08							
4/12/1988 10:53		< 10.0		3		1	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19		< 10.0		3		< 1	
10/11/1988 13:15							
11/15/1988 11:45		< 10.0		4		2	
1/4/1989 12:43							
2/28/1989 11:20		1		4		2	
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49		< 10.0		4		< 1	
6/22/1989 9:46							
8/1/1989 10:10		< 10.0		3		< 1.0	
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03		2		3		3	
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50		2		3		< 1.0	
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12		2		3		1	
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07		< 10.0		4		< 1.0	
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52		< 10.0		2		< 1.0	
1/8/1991 11:45							
2/12/1991 10:40		2		3		1	
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24		< 10.0		1		< 1.0	
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
7/15/1991 12:50							
9/10/1991 8:30		< 10.0		3		< 1.0	
10/8/1991 14:18							
11/19/1991 11:32		< 1		< 1.0		< 1.0	
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50		1		4		< 1.0	
4/7/1992 13:30							
6/2/1992 12:50		< 10.0		3		< 1.0	
7/14/1992 15:35							
8/10/1992 13:30		< 10.0		2		< 1.0	
10/7/1992 11:30		10		3		< 1.0	
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15		2		3		< 1.0	
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30		10		3		< 1.0	
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55		10		5		< 1.0	
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35		< 10.0		3		< 1.0	
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30		< 1					
5/25/1994 17:05							
8/16/1994 14:17		< 1					
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45		< 1					
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30		2					
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15		< 1					
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35		< 1					
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35		< 1					
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35		2					
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15		< 1					
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40		< 1					
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
3/15/1999 17:00							
3/18/1999 9:30		< 1					
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00		3					
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50		1					
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10		3					
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15							
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55		3					
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30		2					
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15		3					
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15		< 1					
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30		4					
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40		1					
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00		4					
9/23/2004 15:30		4					
3/29/2005 12:00	< 1.0			4.4		< 1	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Thallium ug/l	Molybdenum ug/l	Molybdenum ug/l	Nickel ug/l	Nickel ug/l	Silver ug/l	Silver ug/l
8/9/2005 15:45	< 1.0			6.69		< 1	
4/24/2006 12:15	< 1.0			7.2		< 1	
7/10/2006 13:45	< 1.0			8.56		< 1	
3/27/2007 11:50	< 1.00			5.9		< 1.00	
7/24/2007 10:40	< 1.00			5.2		< 1.00	
4/10/2008 12:05	< 1.00			2.5		< 1.00	
7/17/2008 8:30	< 1.00			5		< 1.00	
4/20/2009 10:45	< 1.00			3.6		< 1.00	
9/4/2009 10:05	< 5.00			5.5		< 5.00	
4/15/2010 11:30	< 5.00			5.6		< 5.00	
8/26/2010 10:00	< 5.00			< 5.0		< 5.00	
5/5/2011 7:55	< 5.00			6.1		< 5.00	
9/7/2011 15:00	< 5.00			6.8		< 5.00	
3/29/2012 8:00	< 5.00			6.9		< 5.00	
7/24/2012 16:25	< 5.00			< 5.0		< 5.00	
Number of Records: 674	16	79	37	82	45	76	43
Maximum							
75th %tile							
Median							
25th %tile							
Minimum							
% Non-detect Records	100.0%	51.9%	10.8%	48.8%	100.0%	90.8%	88.4%

USGS Surface Water Station 063

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
105 parameters USGS Parameter Code:	Filtered -1080	Unfiltered -1082	Filtered -1085	Filtered -1090	Unfiltered -1092	Filtered -1095	Unfiltered -1105
10/20/1949							
3/24/1950							
3/26/1950							
4/15/1950							
4/19/1950							
4/22/1950							
5/18/1950							
6/15/1950							
8/8/1950							
8/14/1950							
9/5/1950							
10/2/1950							
10/31/1950							
1/15/1951							
2/6/1951							
3/31/1951							
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15							
10/14/1969 16:00							
11/12/1969 13:30							
12/9/1969 14:45							
1/7/1970 15:30							
2/5/1970 14:50							
3/4/1970 15:05							
4/17/1970 11:35							
5/12/1970 15:25							
6/11/1970 11:45							
7/6/1970 13:40							
8/3/1970 14:30							
10/20/1970 14:45							
11/16/1970 15:00							
12/15/1970 15:00							
1/12/1971 15:05							
2/11/1971 14:45							
3/19/1971 15:05							
4/13/1971 17:15							
5/4/1971 11:15							
6/3/1971 13:10							
7/7/1971 18:30							
8/4/1971 16:10							
9/8/1971 15:00							
10/6/1971 10:05							
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
5/17/1972 14:15							
6/23/1972 12:40							
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00							
5/23/1973 18:00							
6/22/1973 10:50							
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30				20	50		2500
5/17/1974 10:00							
6/25/1974 9:50				20	50		1200
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15							
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00				60	40		400
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25							
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35							500
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30							
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00				20	50		600
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45							
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00	960	1000	3.6	M	40		2300
7/23/1975 11:00							
7/23/1975 11:00							
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20							
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00	910	900	1.2	< 20	70		400
10/9/1975 10:50							
10/22/1975 14:00							
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30							
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15	1400	1400	0.6	< 20	30		100
1/21/1976 12:00							
1/21/1976 12:00							
2/18/1976 14:30							
2/18/1976 14:30							
3/30/1976 13:15							
3/30/1976 13:15	420	400	2.7	< 20	30		2300
4/21/1976 12:30							
4/21/1976 12:30							
5/18/1976 12:30							
5/18/1976 12:30							
6/22/1976 11:30							
6/22/1976 11:30	940	910	< 0.1	< 20	30		1200
7/8/1976 9:45							
7/8/1976 9:45							
7/20/1976 11:10							
7/20/1976 11:10							
8/26/1976 10:15							
8/26/1976 10:15							
9/22/1976 12:00							
9/22/1976 12:00	390	440	2.6	< 20	140		24000
10/20/1976 11:00							
10/20/1976 11:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
11/30/1976 12:40							
11/30/1976 12:40							
12/21/1976 13:10							
12/21/1976 13:10	1500	1400	< 0.1	< 20	< 20		100
1/18/1977 12:20							
1/18/1977 12:20							
2/15/1977 12:20							
2/15/1977 12:20							
3/15/1977 14:05							
3/22/1977 12:50	470	440	1.8	< 20	40		1600
4/19/1977 12:00					< 20		700
5/25/1977 12:45							
5/25/1977 12:45					< 20		700
6/23/1977 12:00							
6/23/1977 12:00	440	400	0.7	M	50		6900
7/20/1977 13:00							
7/20/1977 13:00					< 20		1100
8/23/1977 11:35							
8/23/1977 11:35							
9/22/1977 10:20							
9/22/1977 10:20			< 0.1	< 20	< 20		1100
10/26/1977 12:30							
11/25/1977 13:00							
12/22/1977 12:40			0.1	< 20	< 20		200
1/24/1978 15:45							
2/22/1978 10:45							
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30			2	30	140		M
4/27/1978 13:25					20		1000
5/23/1978 13:35							
5/23/1978 13:35					30		500
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25			0.1	< 20	20		700
7/26/1978 12:00							
7/26/1978 12:00					30		700
8/22/1978 11:00							
8/22/1978 11:00					< 20		300
9/26/1978 12:20							
9/26/1978 12:20				< 20	20		1000
10/24/1978 12:20					< 20		200
11/30/1978 13:20							
11/30/1978 13:20							
12/19/1978 13:00				< 20	< 20		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
1/23/1979 13:45							
2/21/1979 13:20							
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10							
4/18/1979 15:05			1.3	< 20	100		11000
5/24/1979 9:00							
5/24/1979 9:00					20		700
6/27/1979 13:30							
6/27/1979 13:30				< 20	90		15000
7/26/1979 13:20							
7/26/1979 13:20					30		1100
8/29/1979 12:20							
8/29/1979 12:20					< 20		400
9/20/1979 12:35							
9/20/1979 12:35			< 0.1	< 3	< 20		400
10/23/1979 8:40					< 2		100
11/20/1979 14:35							
11/20/1979 14:35							
12/20/1979 12:10			< 0.1	20	30		< 100
1/22/1980 12:25							
2/26/1980 16:45							
3/24/1980 12:55							
3/24/1980 12:55			2	20	60		1000
4/23/1980 12:30					30		300
5/28/1980 11:25							
5/28/1980 11:25					30		400
6/24/1980 11:00							
6/24/1980 11:00			7	< 3	140		1400
7/22/1980 10:35							
7/22/1980 10:35					30		300
7/22/1980 11:35							300
8/21/1980 8:25							
8/21/1980 8:25					40		200
9/23/1980 11:35							
9/23/1980 11:35			4	< 3	50		200
10/21/1980 12:25							
11/25/1980 12:05							
11/25/1980 12:05							
12/23/1980 13:00				10	20		
2/4/1981 11:35							
2/20/1981 11:05							
2/24/1981 13:10							
3/24/1981 12:40							
3/24/1981 12:40				120	180		
4/21/1981 12:10							
5/19/1981 12:40							
5/19/1981 12:40							
7/1/1981 16:30							
7/1/1981 16:30				10	10		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
7/21/1981 12:15							
7/21/1981 12:15							
8/27/1981 9:20							
8/27/1981 9:20							
9/30/1981 14:05							
9/30/1981 14:05				190	350		
11/17/1981 10:25				< 3	20		
1/12/1982 13:10							
2/9/1982 14:40				10	10		
3/15/1982 17:40							
3/23/1982 14:10				< 4	50		
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35				< 10	20		
6/15/1982 14:30							
8/10/1982 10:45				10	30		
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45	1100		< 6.0	M			
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00	520		< 6.0	20			
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06	1200		4.1	20			
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26	760		< 6.0	20			
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36	1000		< 6.0	< 3			
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10	1200		1	10			
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08	1700		1	260			
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51	1100		< 6.0	10			
12/10/1985 9:46							
1/28/1986 10:25	1500		2	40			
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41	750		< 6.0	5			
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13	1100		< 6.0	13			
12/16/1986 11:14							
1/27/1987 11:27	1700		2	20			
4/27/1987 12:27							
5/5/1987 10:21	1000		< 6.0	5			
6/10/1987 13:01							
7/28/1987 10:36	700		< 6.0	< 3.0			
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00	1300		< 6.0	5			
1/7/1988 10:30							
2/23/1988 12:45	1500		< 6.0	24			
3/30/1988 9:08							
4/12/1988 10:53	900		< 6.0	< 3.0			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19	1100		< 6.0	7			
10/11/1988 13:15							
11/15/1988 11:45	1300		< 6.0	11			
1/4/1989 12:43							
2/28/1989 11:20	1600		1	60			
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49	890		< 6.0	4			
6/22/1989 9:46							
8/1/1989 10:10	890		< 6.0	< 3.0			
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	1300		1	19			
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50	1600		1	10			
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	950		< 1	8			
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	1000		< 6.0	< 3.0			
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	1300		< 6.0	24			
1/8/1991 11:45							
2/12/1991 10:40	930		6	9			
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	1000		< 6.0	7			
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
7/15/1991 12:50							
9/10/1991 8:30	940		< 6.0	9			
10/8/1991 14:18							
11/19/1991 11:32	420		2				
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	1100		7				
4/7/1992 13:30							
6/2/1992 12:50	1100		< 6.0				
7/14/1992 15:35							
8/10/1992 13:30	950		< 6.0				
10/7/1992 11:30	980		< 6.0				
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15	1600		2				
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30	810		< 6.0				
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55	720		< 6.0				
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35	1200		< 6.0				
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30	390						
5/25/1994 17:05							
8/16/1994 14:17	970						
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45	370						
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30	740						
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15	200						
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35	1000						
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35	560						
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35	800						
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15	680						
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40	880						
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
3/15/1999 17:00							
3/18/1999 9:30	270						
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00	1200						
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50	1200						
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10	1200						
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15	490						
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55	1100						
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30	1500						
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15	830						
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15	200						
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30	1020						
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40	390						
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00	990						
9/23/2004 15:30	1070						
3/29/2005 12:00				4.7		< 1	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Strontium ug/l	Strontium ug/l	Vanadium ug/l	Zinc ug/l	Zinc ug/l	Antimony ug/l	Aluminum ug/l
8/9/2005 15:45				2.1		< 1	
4/24/2006 12:15				3.6		< 1	
7/10/2006 13:45				3.5		< 1	
3/27/2007 11:50				3.3		< 1.00	
7/24/2007 10:40				1.9		< 1.00	
4/10/2008 12:05				1.4		< 1.00	
7/17/2008 8:30				1.1		< 1.00	
4/20/2009 10:45				1.6		< 1.00	
9/4/2009 10:05				< 5.0		< 5.00	
4/15/2010 11:30				7		< 5.00	
8/26/2010 10:00				< 5.0		< 5.00	
5/5/2011 7:55				< 5.0		< 5.00	
9/7/2011 15:00				5.2		< 5.00	
3/29/2012 8:00				< 5.0		< 5.00	
7/24/2012 16:25				< 5.0		< 5.00	
Number of Records: 674	71	9	58	81	51	16	43
Maximum	1,700	1,400					
75th %tile	1,200	1,000					
Median	980	900					
25th %tile	745	440					
Minimum	200	400					
% Non-detect Records	0.0%	0.0%	55.2%	40.7%	23.5%	100.0%	4.7%

USGS Surface Water Station 063

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
105 parameters USGS Parameter Code:	Filtered -1106	Filtered -1130	Unfiltered -1132	Filtered -1145	Unfiltered -1147	Filtered -1515	Filtered -3515
10/20/1949							
3/24/1950							
3/26/1950							
4/15/1950							
4/19/1950							
4/22/1950							
5/18/1950							
6/15/1950							
8/8/1950							
8/14/1950							
9/5/1950							
10/2/1950							
10/31/1950							
1/15/1951							
2/6/1951							
3/31/1951							
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15							
10/14/1969 16:00							
11/12/1969 13:30							
12/9/1969 14:45							
1/7/1970 15:30							
2/5/1970 14:50							
3/4/1970 15:05							
4/17/1970 11:35							
5/12/1970 15:25							
6/11/1970 11:45							
7/6/1970 13:40							
8/3/1970 14:30							
10/20/1970 14:45							
11/16/1970 15:00							
12/15/1970 15:00							
1/12/1971 15:05							
2/11/1971 14:45							
3/19/1971 15:05							
4/13/1971 17:15							
5/4/1971 11:15							
6/3/1971 13:10							
7/7/1971 18:30							
8/4/1971 16:10							
9/8/1971 15:00							
10/6/1971 10:05							
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
5/17/1972 14:15							
6/23/1972 12:40							
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00							
5/23/1973 18:00							
6/22/1973 10:50							
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30	20			6	6		
5/17/1974 10:00							
6/25/1974 9:50	10			1	1		
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15	20			< 1	< 1		
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00	10			< 1	< 1		
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25							
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25							
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35	30			< 1	1		
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30							
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00	< 10			< 1	< 1		
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30							
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45							
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00	< 100	40	40	< 1	1		
7/23/1975 11:00							
7/23/1975 11:00							
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20							
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00	10	30	30	< 1	< 1		14
10/9/1975 10:50							
10/22/1975 14:00							
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30							
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15	< 100	50	60	< 1	< 1		
1/21/1976 12:00							
1/21/1976 12:00							
2/18/1976 14:30							
2/18/1976 14:30							
3/30/1976 13:15							
3/30/1976 13:15	40	20	20	< 1	< 1		
4/21/1976 12:30							
4/21/1976 12:30							
5/18/1976 12:30							
5/18/1976 12:30							
6/22/1976 11:30							
6/22/1976 11:30	20	40	40	< 1	1		
7/8/1976 9:45							
7/8/1976 9:45							
7/20/1976 11:10							
7/20/1976 11:10							
8/26/1976 10:15							
8/26/1976 10:15							
9/22/1976 12:00							
9/22/1976 12:00	50	20	50	1	1		
10/20/1976 11:00							
10/20/1976 11:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
11/30/1976 12:40							
11/30/1976 12:40							
12/21/1976 13:10							
12/21/1976 13:10	20	70	60	< 1	1		
1/18/1977 12:20							
1/18/1977 12:20							
2/15/1977 12:20							
2/15/1977 12:20							
3/15/1977 14:05							
3/22/1977 12:50	30	20	20	1	1		
4/19/1977 12:00			40		< 1		
5/25/1977 12:45							
5/25/1977 12:45			50		< 1		
6/23/1977 12:00							
6/23/1977 12:00	40	20	20	< 1	2		
7/20/1977 13:00							
7/20/1977 13:00			30		2		
8/23/1977 11:35							
8/23/1977 11:35							
9/22/1977 10:20							
9/22/1977 10:20	20	50	40	< 1	< 1		17
10/26/1977 12:30							
11/25/1977 13:00							
12/22/1977 12:40	< 100	60	60	< 1	< 1		
1/24/1978 15:45							
2/22/1978 10:45							
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	10	< 10	< 10	< 1	4		
4/27/1978 13:25			50		< 1		
5/23/1978 13:35							
5/23/1978 13:35			40		< 1		
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	< 100	50	40	< 1	< 1		
7/26/1978 12:00							
7/26/1978 12:00			40		< 1		
8/22/1978 11:00							
8/22/1978 11:00			50		< 1		
9/26/1978 12:20							
9/26/1978 12:20			30	< 1	< 1		11
10/24/1978 12:20			40		< 1		
11/30/1978 13:20							
11/30/1978 13:20							
12/19/1978 13:00				< 1	< 1		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
1/23/1979 13:45							
2/21/1979 13:20							
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10							
4/18/1979 15:05	20	< 10	30	< 1	1		
5/24/1979 9:00							
5/24/1979 9:00			40		1		
6/27/1979 13:30							
6/27/1979 13:30			30	< 1	1		
7/26/1979 13:20							
7/26/1979 13:20			30		< 1		
8/29/1979 12:20							
8/29/1979 12:20			40		< 1		
9/20/1979 12:35							
9/20/1979 12:35	< 100		40	< 1	< 1	< 9.5	9
10/23/1979 8:40			50		< 1		
11/20/1979 14:35							
11/20/1979 14:35							
12/20/1979 12:10	10	60	60	< 1	< 1		
1/22/1980 12:25							
2/26/1980 16:45							
3/24/1980 12:55							
3/24/1980 12:55	< 100	40	40	< 1	< 1		
4/23/1980 12:30			40		< 1		
5/28/1980 11:25							
5/28/1980 11:25			50		< 1		
6/24/1980 11:00							
6/24/1980 11:00	20	20	30	< 1	1		
7/22/1980 10:35							
7/22/1980 10:35			50		< 1		
7/22/1980 11:35							
8/21/1980 8:25							
8/21/1980 8:25			50		< 1		
9/23/1980 11:35							
9/23/1980 11:35	10	50	50	< 1	< 1	< 8.8	12
10/21/1980 12:25							
11/25/1980 12:05							
11/25/1980 12:05							
12/23/1980 13:00				< 1	< 1		
2/4/1981 11:35							
2/20/1981 11:05							
2/24/1981 13:10							
3/24/1981 12:40							
3/24/1981 12:40				< 1	< 1		
4/21/1981 12:10							
5/19/1981 12:40							
5/19/1981 12:40							
7/1/1981 16:30							
7/1/1981 16:30				< 1	< 1		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
7/21/1981 12:15							
7/21/1981 12:15							
8/27/1981 9:20							
8/27/1981 9:20							
9/30/1981 14:05							
9/30/1981 14:05				< 1	1		
11/17/1981 10:25				< 1	< 1		
1/12/1982 13:10							
2/9/1982 14:40				< 1	< 1		
3/15/1982 17:40							
3/23/1982 14:10				< 1	< 1		
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35				< 1	1		
6/15/1982 14:30							
8/10/1982 10:45				1	< 1		
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45	10	60		1			
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00	150	30		< 1			
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06	30	50		1			
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26	70	40		< 1			
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36	< 10	60		< 1			
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10	10	50		< 1			
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08	20	70		< 1			
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51		58		< 1			
12/10/1985 9:46							
1/28/1986 10:25	10	60		< 1			
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41	130	38		< 1			
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13	10	50		< 1			
12/16/1986 11:14							
1/27/1987 11:27	< 10	60		< 1			
4/27/1987 12:27							
5/5/1987 10:21	< 10	44		< 1			
6/10/1987 13:01							
7/28/1987 10:36	20	41		< 1			
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00	< 10	60		< 1			
1/7/1988 10:30							
2/23/1988 12:45	< 10	66		< 1			
3/30/1988 9:08							
4/12/1988 10:53	< 10	41		< 1			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19	< 10	58		< 1			
10/11/1988 13:15							
11/15/1988 11:45	< 10	59		< 1			
1/4/1989 12:43							
2/28/1989 11:20	< 10	70		< 1			
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49	10	36		< 1			
6/22/1989 9:46							
8/1/1989 10:10	20	39		< 1			
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	20	61		< 1			
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50	< 10	60		< 1			
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	< 10	44		< 1			
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	10	48		< 1			
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	< 10	71		< 1			
1/8/1991 11:45							
2/12/1991 10:40	30	42		< 1			
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	10	39		< 1			
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
7/15/1991 12:50							
9/10/1991 8:30	< 10	48		< 1			
10/8/1991 14:18							
11/19/1991 11:32	< 10	30		< 1			
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	40	53		< 1			
4/7/1992 13:30							
6/2/1992 12:50	10	51		< 1			
7/14/1992 15:35							
8/10/1992 13:30	< 10	51		< 1			
10/7/1992 11:30	< 10	52		< 1			
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15	< 10	60		< 1			
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30	30	36		< 1			
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55	< 10	29		< 1			
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35	< 10	49		< 1			
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30		10		< 1			
5/25/1994 17:05							
8/16/1994 14:17		50		< 1			
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45		10		< 1			
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30		30		< 1			
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15		10		1			
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35		50		< 1			
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35		20		2			
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35		30		< 1			
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15		30		< 1			
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40		40		< 1			
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
3/15/1999 17:00							
3/18/1999 9:30		10		< 1			
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00		50		< 1			
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50		50		< 1			
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10		70		< 1			
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15		20					
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55		100		3			
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30		50		< 1			
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15		30		< 1			
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15		10		< 1			
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30		50		2			
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40		10		< 1			
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00		60		< 1			
9/23/2004 15:30		60		5			
3/29/2005 12:00	125			< 1			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Aluminum ug/l	Lithium ug/l	Lithium ug/l	Selenium ug/l	Selenium ug/l	alpha Radioactivity U-nat pCi/l	beta Radioactivity Cs-137 pCi/l
8/9/2005 15:45	< 50			9.5			
4/24/2006 12:15	< 50			1.1			
7/10/2006 13:45	86			1			
3/27/2007 11:50	< 50			< 1.0			
7/24/2007 10:40	< 50			< 1.0			
4/10/2008 12:05	< 50			< 1.0			
7/17/2008 8:30	< 50			< 1.0			
4/20/2009 10:45	< 50			1.3			
9/4/2009 10:05	< 50			< 5.0			
4/15/2010 11:30	< 50			< 5.0			
8/26/2010 10:00	< 50			< 5.0			
5/5/2011 7:55	< 50			< 5.0			
9/7/2011 15:00	< 50			< 5.0			
3/29/2012 8:00	< 50			< 5.0			
7/24/2012 16:25	< 50			< 5.0			
Number of Records:	674	79	80	37	114	53	2
Maximum		100	60				17.00
75th %tile		59	50				14.00
Median		50	40				12.00
25th %tile		30	30				11.00
Minimum		10	20				9.00
% Non-detect Records	50.6%	2.5%	2.7%	86.0%	67.9%	100.0%	0.0%

USGS Surface Water Station 063

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
105 parameters USGS Parameter Code:	Filtered -9511	Filtered -22703	-60050	Unfiltered -70299	Filtered -70300	-70301	-70302
10/20/1949					868		86.7
3/24/1950					186		778.0
3/26/1950					164		1140.0
4/15/1950					162		2060.0
4/19/1950					150		4250.0
4/22/1950					268		1250.0
5/18/1950					600		578.0
6/15/1950					886		280.0
8/8/1950					962		130.0
8/14/1950					930	917	181.0
9/5/1950					904		107.0
10/2/1950					942		1.3
10/31/1950					980		1.3
1/15/1951					1200	1170	1.6
2/6/1951					1150	1140	1.6
3/31/1951					128		0.2
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15					858	861	71.8
10/14/1969 16:00					885	901	83.6
11/12/1969 13:30					967	954	99.2
12/9/1969 14:45					1130	1140	104.0
1/7/1970 15:30					1240	1240	83.7
2/5/1970 14:50					1320	1280	82.0
3/4/1970 15:05					1270	1260	85.7
4/17/1970 11:35					640	647	370.0
5/12/1970 15:25					379	334	6070.0
6/11/1970 11:45					1210	1200	477.0
7/6/1970 13:40					893	936	256.0
8/3/1970 14:30					901	837	484.0
10/20/1970 14:45					1080	1080	149.0
11/16/1970 15:00					1180	1190	159.0
12/15/1970 15:00					1550	1510	147.0
1/12/1971 15:05					1390	1470	78.8
2/11/1971 14:45					1290	1320	45.3
3/19/1971 15:05					219	204	1650.0
4/13/1971 17:15					652	616	599.0
5/4/1971 11:15					913	950	38.5
6/3/1971 13:10					1130	1120	214.0
7/7/1971 18:30					915	921	227.0
8/4/1971 16:10					902	979	87.7
9/8/1971 15:00					978	1000	156.0
10/6/1971 10:05					1190	1190	543.0
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
5/17/1972 14:15							
6/23/1972 12:40					531	546	437.0
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00					1020	1030	218.0
5/23/1973 18:00							
6/22/1973 10:50					1440	1390	206.0
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30				130			
5/17/1974 10:00				65	1070	1090	321.0
6/25/1974 9:50				65			
7/16/1974 12:50				48			
8/21/1974 10:30				37			
9/17/1974 16:15				37			
10/1/1974 13:30					1090	1010	41.2
10/22/1974 13:00							
10/22/1974 13:00			53000	46			
11/5/1974 12:15					1110	1040	78.0
11/30/1974 10:25							
11/30/1974 10:25			1900	12			
12/4/1974 11:30					822	1250	51.0
12/18/1974 12:25							
12/18/1974 12:25			5200	13			
1/15/1975 12:15					1610	1570	52.2
1/16/1975 11:35							
1/16/1975 11:35			430	12			
2/6/1975 13:30					1570	1620	42.4
2/12/1975 12:30							
2/12/1975 12:30			760	8			
3/5/1975 10:45					1290	1200	55.8
4/2/1975 13:00							
4/2/1975 13:00			590	24			
4/17/1975 10:30					382	321	11.3

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30			710	2350			
5/21/1975 12:00					926	863	550.0
5/21/1975 12:45							
5/21/1975 12:45			4300	208			
6/23/1975 12:45					1070	972	1250.0
6/27/1975 11:00							
6/27/1975 11:00			22000	108			
7/23/1975 11:00							
7/23/1975 11:00			96000		940	884	168.0
7/24/1975 11:00					940	845	157.0
8/26/1975 12:20							
8/26/1975 12:20			150000	80			
9/23/1975 11:45					880	837	73.7
10/1/1975 12:00							
10/1/1975 12:00	0.08	3	43000	32			
10/9/1975 10:50					1010	911	95.4
10/22/1975 14:00			54000	52			
10/23/1975 14:00							
10/23/1975 14:00			54000				
11/13/1975 11:15					1170	1130	126.0
11/25/1975 13:30							
11/25/1975 13:30			11000	5			
12/11/1975 9:45					1370	1330	144.0
12/30/1975 14:15							
12/30/1975 14:15			1000	8			
1/21/1976 12:00							
1/21/1976 12:00			410	6			
2/18/1976 14:30							
2/18/1976 14:30			6700	129			
3/30/1976 13:15							
3/30/1976 13:15			2600	146			
4/21/1976 12:30							
4/21/1976 12:30			14000	43			
5/18/1976 12:30							
5/18/1976 12:30			65000	53			
6/22/1976 11:30							
6/22/1976 11:30			46000				
7/8/1976 9:45							
7/8/1976 9:45			14000	35			
7/20/1976 11:10							
7/20/1976 11:10			43000	33			
8/26/1976 10:15							
8/26/1976 10:15			58000	49			
9/22/1976 12:00							
9/22/1976 12:00			18000	752			
10/20/1976 11:00							
10/20/1976 11:00			20000	3			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
11/30/1976 12:40							
11/30/1976 12:40			16000		1410	1350	68.5
12/21/1976 13:10							
12/21/1976 13:10			540		1510	1470	73.4
1/18/1977 12:20							
1/18/1977 12:20			200		1440	1430	54.4
2/15/1977 12:20							
2/15/1977 12:20			160		1430	1430	81.1
3/15/1977 14:05							
3/22/1977 12:50					581	528	267.0
4/19/1977 12:00					1090	1060	200.0
5/25/1977 12:45							
5/25/1977 12:45			660000		1240	1210	104.0
6/23/1977 12:00							
6/23/1977 12:00			7900		525	523	248.0
7/20/1977 13:00							
7/20/1977 13:00			14000		812	824	98.7
8/23/1977 11:35							
8/23/1977 11:35			16000		952	952	30.8
9/22/1977 10:20							
9/22/1977 10:20	0.13	3	230000		1040	1020	110.0
10/26/1977 12:30					957	954	77.5
11/25/1977 13:00					1160	1170	78.3
12/22/1977 12:40					1480	1440	128.0
1/24/1978 15:45					1530	1570	62.0
2/22/1978 10:45					1420	1410	53.7
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30					358	375	1810.0
4/27/1978 13:25					967	973	642.0
5/23/1978 13:35							
5/23/1978 13:35			42000		1080	1110	467.0
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25			30000		1040	1080	312.0
7/26/1978 12:00							
7/26/1978 12:00			44000		950	954	186.0
8/22/1978 11:00							
8/22/1978 11:00			8800		994	990	91.3
9/26/1978 12:20							
9/26/1978 12:20	0.1	2.8	4100		683	680	116.0
10/24/1978 12:20					1000	1040	109.0
11/30/1978 13:20							
11/30/1978 13:20			1500		1310	1290	122.0
12/19/1978 13:00					1490	1520	110.0

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
1/23/1979 13:45					1390	1350	97.6
2/21/1979 13:20					1360	1360	73.4
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10			2400		380	365	1620.0
4/18/1979 15:05					238	245	3430.0
5/24/1979 9:00							
5/24/1979 9:00			9700		1140	1120	314.0
6/27/1979 13:30							
6/27/1979 13:30			340		646	665	466.0
7/26/1979 13:20							
7/26/1979 13:20			24000		970	908	136.0
8/29/1979 12:20							
8/29/1979 12:20			43000		996	1020	109.0
9/20/1979 12:35							
9/20/1979 12:35	0.13	5	24000		1030	715	77.9
10/23/1979 8:40						1080	77.0
11/20/1979 14:35							
11/20/1979 14:35			3800		1280	1260	238.0
12/20/1979 12:10					1480	1490	96.3
1/22/1980 12:25					1610	1460	69.1
2/26/1980 16:45					1520	1530	78.4
3/24/1980 12:55							
3/24/1980 12:55			2100		927	938	451.0
4/23/1980 12:30					1020	1020	146.0
5/28/1980 11:25							
5/28/1980 11:25			89000		1160	1120	54.5
6/24/1980 11:00							
6/24/1980 11:00			2800		708	712	117.0
7/22/1980 10:35							
7/22/1980 10:35			29000				
7/22/1980 11:35			29000		983	987	45.1
8/21/1980 8:25							
8/21/1980 8:25			36000		1000	955	51.8
9/23/1980 11:35							
9/23/1980 11:35	0.08	3.5	45000		1150	1020	47.8
10/21/1980 12:25					1080	1120	223.0
11/25/1980 12:05							
11/25/1980 12:05			5400		1350	1310	102.0
12/23/1980 13:00					1470	1500	59.5
2/4/1981 11:35					1660	1590	80.7
2/20/1981 11:05							
2/24/1981 13:10					447	431	281.0
3/24/1981 12:40							
3/24/1981 12:40			13000		620	628	83.7
4/21/1981 12:10					971	973	60.3
5/19/1981 12:40							
5/19/1981 12:40			14000		1060	1050	54.4
7/1/1981 16:30							
7/1/1981 16:30			140000		1470	1570	92.1

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
7/21/1981 12:15							
7/21/1981 12:15			16000		734	741	115.0
8/27/1981 9:20							
8/27/1981 9:20			24000		769	723	164.0
9/30/1981 14:05							
9/30/1981 14:05			14000		909	836	51.5
11/17/1981 10:25					1050	1090	52.4
1/12/1982 13:10					1520	1570	41.0
2/9/1982 14:40					1470	1490	41.3
3/15/1982 17:40							
3/23/1982 14:10					200	192	184.0
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35					819	784	336.0
6/15/1982 14:30					634	619	765.0
8/10/1982 10:45					891	901	195.0
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45					1250	1160	243.0
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00					643	639	233.0
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06					1890	1700	1740.0
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24							
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26					868	868	120.0
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
4/4/1984 11:20							
4/24/1984 8:47							
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36						1210	98.1
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10					1330	1330	129.0
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08					1700	1700	32.6
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51					1330	1060	254.0
12/10/1985 9:46							
1/28/1986 10:25					1660	1660	138.0
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41					1020	966	705.0
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13					1120	1090	174.0
12/16/1986 11:14							
1/27/1987 11:27					1600	1600	146.0
4/27/1987 12:27							
5/5/1987 10:21					1060	1040	289.0
6/10/1987 13:01							
7/28/1987 10:36					1270	1230	696.0
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00					1380	1350	182.0
1/7/1988 10:30							
2/23/1988 12:45					1410	1410	91.4
3/30/1988 9:08							
4/12/1988 10:53					1010	1020	186.0

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19					1250	1240	34.1
10/11/1988 13:15							
11/15/1988 11:45					1330	1370	86.2
1/4/1989 12:43							
2/28/1989 11:20					1540	1590	58.2
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49					1010	999	145.0
6/22/1989 9:46							
8/1/1989 10:10					841	832	32.7
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03					1370	1350	63.6
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50					1710	1720	72.0
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12					1100	1120	77.2
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07					982	1020	19.3
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52					1180	1250	51.9
1/8/1991 11:45							
2/12/1991 10:40					946	978	61.0
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24					980	1010	79.9
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
7/15/1991 12:50							
9/10/1991 8:30					1010	1100	10.5
10/8/1991 14:18							
11/19/1991 11:32					1430	1050	142.0
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50					1400	1240	60.5
4/7/1992 13:30							
6/2/1992 12:50					1080	1070	28.8
7/14/1992 15:35							
8/10/1992 13:30					980	1010	17.8
10/7/1992 11:30					1050	1030	13.7
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15					1580	1590	36.2
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30					986	903	103.0
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55					714	716	199.0
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35					1100	1130	64.7
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30					374	405	1330.0
5/25/1994 17:05							
8/16/1994 14:17					1050	1060	38.0
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45					421	423	1150.0
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30					1130	1110	360.0
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15					209	177	533.0
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35					1190	1200	57.8
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35					564	525	1670.0
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35					816	799	204.0
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15					882	861	1260.0
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40					1150	1150	117.0
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Ra-226 Radon Method pCi/l	Uranium Natural ug/l	Phytoplankton cells/ml	Suspnd. Solids @110degC mg/l	Dissolved Solids @180degC mg/l	Dissolved Solids summation mg/l	Dissolved Solids ton/day
3/15/1999 17:00							
3/18/1999 9:30					271	235	3240.0
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00					1270	1250	163.0
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50					1340	1310	242.0
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10					1430	1350	74.1
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15					525	505	892.0
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55					1160	1130	194.0
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30					1400	1380	312.0
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15					906	890	56.5
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15					242	225	2510.0
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30						1140	29.1
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40						427	912.0
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00						1130	54.6
9/23/2004 15:30						1190	52.7
3/29/2005 12:00						437	853.0

USGS Surface Water Station 063

Date Time	Dissolved Solids ton/ac-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
105 parameters USGS Parameter Code:	-70303	Unfiltered -70507	Unfiltered -71830	Unfiltered -71845	Filtered -71846	Unfiltered -71850	Filtered -71851
10/20/1949	1.18					1.7	
3/24/1950	0.25					4.9	
3/26/1950	0.22					4.7	
4/15/1950	0.22					1.4	
4/19/1950	0.20					3.6	
4/22/1950	0.36					3.3	
5/18/1950	0.82					2.8	
6/15/1950	1.20					1.3	
8/8/1950	1.31					1.4	
8/14/1950	1.26					1.9	
9/5/1950	1.23					1.2	
10/2/1950	1.28					1.4	
10/31/1950	1.33					0.9	
1/15/1951	1.63					3.9	
2/6/1951	1.56					3.4	
3/31/1951	0.17					2.9	
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15	1.17						1
10/14/1969 16:00	1.20						1
11/12/1969 13:30	1.32						1
12/9/1969 14:45	1.54						1
1/7/1970 15:30	1.69						1
2/5/1970 14:50	1.80						1
3/4/1970 15:05	1.73						1.7
4/17/1970 11:35	0.87						0
5/12/1970 15:25	0.52						2.5
6/11/1970 11:45	1.65						0
7/6/1970 13:40	1.21						0
8/3/1970 14:30	1.23						1
10/20/1970 14:45	1.47						1
11/16/1970 15:00	1.61						1
12/15/1970 15:00	2.11						1
1/12/1971 15:05	1.89						2.4
2/11/1971 14:45	1.76						1
3/19/1971 15:05	0.30						5.7
4/13/1971 17:15	0.89						1
5/4/1971 11:15	1.24						1
6/3/1971 13:10	1.54						0
7/7/1971 18:30	1.24						0
8/4/1971 16:10	1.23						1
9/8/1971 15:00	1.33						2
10/6/1971 10:05	1.62						1
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
5/17/1972 14:15							
6/23/1972 12:40	0.72						2
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00	1.39						1
5/23/1973 18:00							
6/22/1973 10:50	1.96						2
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30				0.245			
5/17/1974 10:00	1.46			0.103			2
6/25/1974 9:50				0.335			
7/16/1974 12:50				0.618			
8/21/1974 10:30				0.103			
9/17/1974 16:15				0.155			
10/1/1974 13:30	1.48						
10/22/1974 13:00							
10/22/1974 13:00				0.167			
11/5/1974 12:15	1.51						
11/30/1974 10:25							
11/30/1974 10:25				0.142			
12/4/1974 11:30	1.12						
12/18/1974 12:25							
12/18/1974 12:25				0.232			
1/15/1975 12:15	2.19						
1/16/1975 11:35							
1/16/1975 11:35				0.27			
2/6/1975 13:30	2.14						
2/12/1975 12:30							
2/12/1975 12:30				0.322			
3/5/1975 10:45	1.76						
4/2/1975 13:00							
4/2/1975 13:00				0.167			
4/17/1975 10:30	0.52						

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30				0.348			
5/21/1975 12:00	1.26						
5/21/1975 12:45							
5/21/1975 12:45				0.064			
6/23/1975 12:45	1.46						
6/27/1975 11:00							
6/27/1975 11:00				0.026			
7/23/1975 11:00							
7/23/1975 11:00	1.28			0.039			
7/24/1975 11:00	1.28						
8/26/1975 12:20							
8/26/1975 12:20				< 0.013			
9/23/1975 11:45	1.20						
10/1/1975 12:00							
10/1/1975 12:00				0.116			
10/9/1975 10:50	1.37						
10/22/1975 14:00				0.077			
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15	1.59						
11/25/1975 13:30							
11/25/1975 13:30				0.116			
12/11/1975 9:45	1.86						
12/30/1975 14:15							
12/30/1975 14:15				0.167			
1/21/1976 12:00							
1/21/1976 12:00				0.193			
2/18/1976 14:30							
2/18/1976 14:30				0.18			
3/30/1976 13:15							
3/30/1976 13:15				0.219			
4/21/1976 12:30							
4/21/1976 12:30				0.039			
5/18/1976 12:30							
5/18/1976 12:30				0.013			
6/22/1976 11:30							
6/22/1976 11:30				0.155			
7/8/1976 9:45							
7/8/1976 9:45				0.103			
7/20/1976 11:10							
7/20/1976 11:10				< 0.013			
8/26/1976 10:15							
8/26/1976 10:15				0.013			
9/22/1976 12:00							
9/22/1976 12:00				0.064			
10/20/1976 11:00							
10/20/1976 11:00				0.039			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
11/30/1976 12:40							
11/30/1976 12:40	1.92			0.052			
12/21/1976 13:10							
12/21/1976 13:10	2.05			0.232			
1/18/1977 12:20							
1/18/1977 12:20	1.96			0.798			
2/15/1977 12:20							
2/15/1977 12:20	1.94			0.193			
3/15/1977 14:05							
3/22/1977 12:50	0.79			0.309			
4/19/1977 12:00	1.48			0.026			
5/25/1977 12:45							
5/25/1977 12:45	1.69			0.013			
6/23/1977 12:00							
6/23/1977 12:00	0.71			0.142			
7/20/1977 13:00							
7/20/1977 13:00	1.10			0.013			
8/23/1977 11:35							
8/23/1977 11:35	1.29			0.013			
9/22/1977 10:20							
9/22/1977 10:20	1.41	0.01		0.052			
10/26/1977 12:30	1.30			0.064			
11/25/1977 13:00	1.58			0.155			
12/22/1977 12:40	2.01			0.232			
1/24/1978 15:45	2.08			0.155			
2/22/1978 10:45	1.93			0.18			
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	0.49			0.361			
4/27/1978 13:25	1.32			0.039			
5/23/1978 13:35							
5/23/1978 13:35	1.47			0.013			
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	1.41			0.026			
7/26/1978 12:00							
7/26/1978 12:00	1.29			0.013			
8/22/1978 11:00							
8/22/1978 11:00	1.35			0.026			
9/26/1978 12:20							
9/26/1978 12:20	0.93			0.013			
10/24/1978 12:20	1.36			0.013			
11/30/1978 13:20							
11/30/1978 13:20	1.78			0.052			
12/19/1978 13:00	2.03			0.142			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
1/23/1979 13:45	1.89			0.322			
2/21/1979 13:20	1.85			0.155			
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10	0.52			0.142			
4/18/1979 15:05	0.32			0.35			
5/24/1979 9:00							
5/24/1979 9:00	1.55			0.11			
6/27/1979 13:30							
6/27/1979 13:30	0.88			0.12			
7/26/1979 13:20							
7/26/1979 13:20	1.32			0.01			
8/29/1979 12:20							
8/29/1979 12:20	1.35			0.01			
9/20/1979 12:35							
9/20/1979 12:35	1.40			0			
10/23/1979 8:40	1.47			0.05	0.04		
11/20/1979 14:35							
11/20/1979 14:35	1.74			0.13	0.08		
12/20/1979 12:10	2.01			0.18	0.15		
1/22/1980 12:25	2.19			0.29	0.31		
2/26/1980 16:45	2.07			0.33	0.33		
3/24/1980 12:55							
3/24/1980 12:55	1.26			0.36	0.35		
4/23/1980 12:30	1.39			0.07	0		
5/28/1980 11:25							
5/28/1980 11:25	1.58			0.01	0.04		
6/24/1980 11:00							
6/24/1980 11:00	0.96			0.01	0.01		
7/22/1980 10:35							
7/22/1980 10:35							
7/22/1980 11:35	1.34			0	0		
8/21/1980 8:25							
8/21/1980 8:25	1.36			0	0		
9/23/1980 11:35							
9/23/1980 11:35	1.56			0	0		
10/21/1980 12:25	1.47			0.01	0		
11/25/1980 12:05							
11/25/1980 12:05	1.84			0.21	0.23		
12/23/1980 13:00	2.00			0	0		
2/4/1981 11:35	2.26			0.232	0.23		
2/20/1981 11:05							
2/24/1981 13:10	0.61			0.515	0.52		
3/24/1981 12:40							
3/24/1981 12:40	0.84			0.077	0.04		
4/21/1981 12:10	1.32			0.116	0.18		
5/19/1981 12:40							
5/19/1981 12:40	1.44			0.167	0.13		
7/1/1981 16:30							
7/1/1981 16:30	2.00			0.129	0.13		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
7/21/1981 12:15							
7/21/1981 12:15	1.00			0.309	0.26		
8/27/1981 9:20							
8/27/1981 9:20	1.05			0.245	0.15		
9/30/1981 14:05							
9/30/1981 14:05	1.24			0.142	0.09		
11/17/1981 10:25	1.43				0.19		
1/12/1982 13:10	2.07				0.43		
2/9/1982 14:40	2.00				0.44		
3/15/1982 17:40							
3/23/1982 14:10	0.27				0.46		
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35	1.11				0.13		
6/15/1982 14:30	0.86				0.08		
8/10/1982 10:45	1.21				0.13		
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45	1.70				0.3		
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00	0.87				0.43		
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06	2.57				< 0.077		
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/ac-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24					0.103		
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26	1.18				0.283		
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/ac-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
4/4/1984 11:20							
4/24/1984 8:47					0.142		
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36	1.65				0.052		
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10	1.81						
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08	2.31						
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/ac-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
3/21/1985 13:46							
4/30/1985 8:54					0.06		
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51	1.81			0.206	0.219		0.974
12/10/1985 9:46							
1/28/1986 10:25	2.26			0.155	0.167		2.17
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41	1.39			0.103	0.064		0.797
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13	1.52			0.039	0.258		0.797
12/16/1986 11:14							
1/27/1987 11:27	2.18			0.18	0.167		1.99
4/27/1987 12:27							
5/5/1987 10:21	1.44			0.155	0.142		0.487
6/10/1987 13:01							
7/28/1987 10:36	1.73			0.103	0.09		0.885
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00	1.88			0.052	0.129		< 0.398
1/7/1988 10:30							
2/23/1988 12:45	1.92			0.412	0.373		1.15
3/30/1988 9:08							
4/12/1988 10:53	1.37			0.026	0.013		< 0.443

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19	1.70			0.039	0.064		< 0.443
10/11/1988 13:15							
11/15/1988 11:45	1.81			0.064	0.103		0.531
1/4/1989 12:43							
2/28/1989 11:20	2.09			0.27	0.258		1.68
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49	1.37			0.052	0.052		< 0.443
6/22/1989 9:46							
8/1/1989 10:10	1.14			< 0.013	0.013		< 0.443
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	1.86			0.052	0.052		< 0.310
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50	2.33			0.052	0.052		< 0.443
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	1.50			0.013	0.026		< 0.443
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	1.34			0.013	< 0.013		< 0.443
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	1.60	0.01		0.103	0.064		< 0.443
1/8/1991 11:45							
2/12/1991 10:40	1.29	0.1		0.219	0.206		2.26
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	1.33	0.02		0.026	0.026		0.39
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
7/15/1991 12:50							
9/10/1991 8:30	1.37	< 0.01		0.026	0.039		< 0.221
10/8/1991 14:18							
11/19/1991 11:32	1.94	< 0.01		0.116	0.129		0.283
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	1.90	0.11		0.219	0.219		2.88
4/7/1992 13:30							
6/2/1992 12:50	1.47	0.02		0.039	0.013		< 0.221
7/14/1992 15:35							
8/10/1992 13:30	1.33	0.02		0.026	0.013		< 0.221
10/7/1992 11:30	1.43	< 0.01		0.026	< 0.013		< 0.221
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15	2.15				0.167		1.28
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30	1.34				0.013		< 0.221
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55	0.97				0.039		< 0.221
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35	1.50				0.052		< 0.221
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30	0.51						
5/25/1994 17:05							
8/16/1994 14:17	1.43						
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45	0.57						
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30	1.54						
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15	0.28						
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35	1.62						
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35	0.77						
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35	1.11						
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15	1.20						
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40	1.56						
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
3/15/1999 17:00							
3/18/1999 9:30	0.37						
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00	1.73						
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50	1.82						
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10	1.94						
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15	0.71						
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55	1.58						
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30	1.90						
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15	1.23						
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15	0.33						
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30	1.55		< 1				
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40	0.58		< 1				
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30				< 0.013	< 0.013		
8/25/2004 15:00	1.54		< 1	< 0.013	< 0.013		
9/23/2004 15:30	1.62		< 1				
3/29/2005 12:00	0.59		< 1				

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Dissolved Solids ton/acre-ft	Ortho-phosphate as P mg/l	Hydroxide mg/l	Ammonia mg/l	Ammonia mg/l	Nitrate mg/l	Nitrate mg/l
8/9/2005 15:45	1.41		< 1				
4/24/2006 12:15	1.46		< 1				
7/10/2006 13:45	1.50		< 1				
3/27/2007 11:50	0.84		< 1				
7/24/2007 10:40	1.37		< 1				
4/10/2008 12:05	1.26		< 1				
7/17/2008 8:30	1.26		< 1				
4/20/2009 10:45	0.58		< 1				
9/4/2009 10:05	1.32		< 1				
4/15/2010 11:30	1.16		< 1				
8/26/2010 10:00	1.29		< 1				
5/5/2011 7:55	1.66		< 1				
9/7/2011 15:00	1.84		< 1				
3/29/2012 8:00	1.84		< 1				
7/24/2012 16:25	1.66		< 1				
Number of Records: 674	204	10	20	121	73	16	61
Maximum	2.57					4.9	
75th %tile	1.73					3.5	
Median	1.41					2.4	
25th %tile	1.20					1.4	
Minimum	0.17					0.9	
% Non-detect Records	0.0%	30.0%	100.0%	4.1%	6.8%	0.0%	27.9%

USGS Surface Water Station 063

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
105 parameters USGS Parameter Code:	Filtered -71856	Filtered -71870	Unfiltered -71883	Unfiltered -71885	Unfiltered -71886	Unfiltered -71887	Filtered -71890
10/20/1949							
3/24/1950							
3/26/1950							
4/15/1950							
4/19/1950							
4/22/1950							
5/18/1950							
6/15/1950							
8/8/1950							
8/14/1950							
9/5/1950							
10/2/1950							
10/31/1950							
1/15/1951							
2/6/1951							
3/31/1951							
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15			M	0			
10/14/1969 16:00			10	480			
11/12/1969 13:30			10	0			
12/9/1969 14:45			30	420			
1/7/1970 15:30			30	100			
2/5/1970 14:50			20	460			
3/4/1970 15:05			20	180			
4/17/1970 11:35			20	860			
5/12/1970 15:25			30	300			
6/11/1970 11:45			30	1200			
7/6/1970 13:40			20	1300			
8/3/1970 14:30			70	7000			
10/20/1970 14:45							
11/16/1970 15:00							
12/15/1970 15:00							
1/12/1971 15:05							
2/11/1971 14:45							
3/19/1971 15:05							
4/13/1971 17:15							
5/4/1971 11:15							
6/3/1971 13:10							
7/7/1971 18:30							
8/4/1971 16:10							
9/8/1971 15:00							
10/6/1971 10:05							
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
5/17/1972 14:15							
6/23/1972 12:40							
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00							
5/23/1973 18:00							
6/22/1973 10:50							
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30						6.4	< 0.50
5/17/1974 10:00						5.4	
6/25/1974 9:50						8.3	< 0.50
7/16/1974 12:50						8.5	
8/21/1974 10:30						8.5	
9/17/1974 16:15						7	< 0.50
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00						5	< 0.50
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25						2.7	
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25						4.1	
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35						5.7	< 0.50
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30						5.6	
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00						5.3	< 0.50
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
4/17/1975 15:45							
4/22/1975 11:10							
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30						33	
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45						8	
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00						3	< 0.50
7/23/1975 11:00							
7/23/1975 11:00		0				3.6	
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20						3.2	
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00						9.3	< 0.50
10/9/1975 10:50							
10/22/1975 14:00						5	
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30						9.2	
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15						5.3	< 0.50
1/21/1976 12:00							
1/21/1976 12:00						7.9	
2/18/1976 14:30							
2/18/1976 14:30						14	
3/30/1976 13:15							
3/30/1976 13:15						9.3	< 0.50
4/21/1976 12:30							
4/21/1976 12:30						4.9	
5/18/1976 12:30							
5/18/1976 12:30						3.9	
6/22/1976 11:30							
6/22/1976 11:30						5.9	0.7
7/8/1976 9:45							
7/8/1976 9:45						4.5	
7/20/1976 11:10							
7/20/1976 11:10						4.2	
8/26/1976 10:15							
8/26/1976 10:15						2.4	
9/22/1976 12:00							
9/22/1976 12:00						3.1	< 0.50
10/20/1976 11:00							
10/20/1976 11:00						2.7	

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
11/30/1976 12:40							
11/30/1976 12:40						2.8	
12/21/1976 13:10							
12/21/1976 13:10						3.7	0.8
1/18/1977 12:20							
1/18/1977 12:20						7.5	
2/15/1977 12:20							
2/15/1977 12:20						5.4	
3/15/1977 14:05							
3/22/1977 12:50						7.5	< 0.50
4/19/1977 12:00						4.1	
5/25/1977 12:45							
5/25/1977 12:45						4.5	
6/23/1977 12:00							
6/23/1977 12:00						8	< 0.50
7/20/1977 13:00							
7/20/1977 13:00						3.7	
8/23/1977 11:35							
8/23/1977 11:35						6.2	
9/22/1977 10:20							
9/22/1977 10:20						3.5	< 0.50
10/26/1977 12:30						3.9	
11/25/1977 13:00						7.1	
12/22/1977 12:40						3.8	< 0.50
1/24/1978 15:45						2.2	
2/22/1978 10:45						4.2	
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30						12	< 0.10
4/27/1978 13:25						3.4	
5/23/1978 13:35							
5/23/1978 13:35						3.9	
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25						3.3	< 0.10
7/26/1978 12:00							
7/26/1978 12:00						5.4	
8/22/1978 11:00							
8/22/1978 11:00						2.8	
9/26/1978 12:20							
9/26/1978 12:20						5	< 0.10
10/24/1978 12:20						3.1	
11/30/1978 13:20							
11/30/1978 13:20						3.2	
12/19/1978 13:00						3.9	< 0.10

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
1/23/1979 13:45						4.3	
2/21/1979 13:20						4.1	
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10						11	
4/18/1979 15:05					1.80	17	< 0.10
5/24/1979 9:00							
5/24/1979 9:00					0.12	4.4	
6/27/1979 13:30							
6/27/1979 13:30					1.20	5.3	< 0.10
7/26/1979 13:20							
7/26/1979 13:20					0.21	4.2	
8/29/1979 12:20							
8/29/1979 12:20					0.12	1.9	
9/20/1979 12:35							
9/20/1979 12:35					0.12	3.3	< 0.10
10/23/1979 8:40					0.06	5	
11/20/1979 14:35							
11/20/1979 14:35					0.12	5.4	
12/20/1979 12:10					0.25	6.5	< 0.10
1/22/1980 12:25					0.06	5.9	
2/26/1980 16:45					0.00	3.1	
3/24/1980 12:55							
3/24/1980 12:55					1.00	11	< 0.10
4/23/1980 12:30					0.25	6.2	
5/28/1980 11:25							
5/28/1980 11:25					0.31	4.5	
6/24/1980 11:00							
6/24/1980 11:00					0.58	9.5	< 0.10
7/22/1980 10:35							
7/22/1980 10:35							
7/22/1980 11:35					0.25	4.9	
8/21/1980 8:25							
8/21/1980 8:25					0.18	2.6	
9/23/1980 11:35							
9/23/1980 11:35					0.21	4.5	< 0.10
10/21/1980 12:25					0.83	5.9	
11/25/1980 12:05							
11/25/1980 12:05					0.21	5.3	
12/23/1980 13:00					0.09	4.7	< 0.10
2/4/1981 11:35					0.09	5.3	
2/20/1981 11:05							
2/24/1981 13:10					1.10	15	
3/24/1981 12:40							
3/24/1981 12:40					0.28	5.4	< 0.10
4/21/1981 12:10					0.18	5.3	
5/19/1981 12:40							
5/19/1981 12:40					0.21	4.9	
7/1/1981 16:30							
7/1/1981 16:30					0.31	7.7	< 0.10

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
7/21/1981 12:15							
7/21/1981 12:15					0.67	10	
8/27/1981 9:20							
8/27/1981 9:20					0.58	9.2	
9/30/1981 14:05							
9/30/1981 14:05					0.18	6.7	< 0.10
11/17/1981 10:25					0.09		< 0.10
1/12/1982 13:10					0.09		
2/9/1982 14:40							< 0.10
3/15/1982 17:40							
3/23/1982 14:10					0.46		< 0.10
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35					0.12		< 0.10
6/15/1982 14:30					0.67		
8/10/1982 10:45					0.46		< 0.10
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45					0.74		< 0.10
1/11/1983 11:25							
3/3/1983 10:40							
3/3/1983 11:00					0.64		< 0.10
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06					0.43		0.3
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10							
10/6/1983 10:24					0.15		
11/8/1983 16:05							
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26					0.34		< 0.10
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
4/4/1984 11:20							
4/24/1984 8:47					0.18		
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36							0.2
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10							< 0.10
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08							< 0.10
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
3/21/1985 13:46							
4/30/1985 8:54							
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49							
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51	0.131						< 0.1
12/10/1985 9:46							
1/28/1986 10:25	0.033						< 0.1
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41	0.066						< 0.1
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13	< 0.033						< 0.1
12/16/1986 11:14							
1/27/1987 11:27	< 0.033						< 0.1
4/27/1987 12:27							
5/5/1987 10:21	< 0.033						< 0.1
6/10/1987 13:01							
7/28/1987 10:36	0.066						< 0.1
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00	0.033						< 0.1
1/7/1988 10:30							
2/23/1988 12:45	0.033						< 0.1
3/30/1988 9:08							
4/12/1988 10:53	< 0.033						< 0.1

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19	< 0.033						< 0.1
10/11/1988 13:15							
11/15/1988 11:45	< 0.033						< 0.1
1/4/1989 12:43							
2/28/1989 11:20	0.033						< 0.1
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49	< 0.033						< 0.1
6/22/1989 9:46							
8/1/1989 10:10	< 0.033						0.2
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03	0.099						< 0.1
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50	< 0.033						< 0.1
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12	< 0.033						< 0.1
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07	< 0.033						0.2
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52	< 0.033					< 2.7	< 0.1
1/8/1991 11:45							
2/12/1991 10:40	0.099					10	0.2
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24	< 0.033					< 1.3	< 0.1
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
7/15/1991 12:50							
9/10/1991 8:30	< 0.033					< 4.2	< 0.1
10/8/1991 14:18							
11/19/1991 11:32	< 0.033					< 2.0	
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50	0.066					9.6	
4/7/1992 13:30							
6/2/1992 12:50	< 0.033					2.9	
7/14/1992 15:35							
8/10/1992 13:30	< 0.033					< 3.8	
10/7/1992 11:30	< 0.033					< 2.0	
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15	0.066						
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30	< 0.033						
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55	< 0.033						
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35	< 0.033						
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30							< 0.10
5/25/1994 17:05							
8/16/1994 14:17							< 0.10
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45							< 0.10
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30							< 0.10
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15							< 0.10
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35							< 0.10
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35							< 0.10
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35							0.4
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15							< 0.10
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40							< 0.10
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
3/15/1999 17:00							
3/18/1999 9:30							< 0.10
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00							< 0.10
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50							< 0.10
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10							< 0.10
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15							< 0.10
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55							< 0.10
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30							< 0.10
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15							< 0.10
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15							< 0.10
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30							< 0.20
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40							< 0.20
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30						3.1	
8/25/2004 15:00						< 2.5	< 0.20
9/23/2004 15:30							< 0.20
3/29/2005 12:00							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Nitrite mg/l	Bromide mg/l	Manganese ug/l	Iron ug/l	Phosporus as PO4 mg/l	Total Nitrogen as NO3 mg/l	Mercury ug/l
8/9/2005 15:45							
4/24/2006 12:15							
7/10/2006 13:45							
3/27/2007 11:50							
7/24/2007 10:40							
4/10/2008 12:05							
7/17/2008 8:30							
4/20/2009 10:45							
9/4/2009 10:05							
4/15/2010 11:30							
8/26/2010 10:00							
5/5/2011 7:55							
9/7/2011 15:00							
3/29/2012 8:00							
7/24/2012 16:25							
Number of Records: 674	32	1	12	12	42	102	90
Maximum				7,000	1.80		
75th %tile				945	0.55		
Median				440	0.23		
25th %tile				160	0.12		
Minimum				0	0.00		
% Non-detect Records	65.6%	0.0%	8.3%	0.0%	0.0%	6.9%	91.1%

USGS Surface Water Station 063

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
105 parameters USGS Parameter Code:	Unfiltered -71900	Unfiltered -80154	-80155	Unfiltered -90095	Unfiltered -95440	Unfiltered -95445	-95902
10/20/1949							
3/24/1950							
3/26/1950							
4/15/1950							
4/19/1950							
4/22/1950							
5/18/1950							
6/15/1950							
8/8/1950							
8/14/1950							
9/5/1950							
10/2/1950							
10/31/1950							
1/15/1951							
2/6/1951							
3/31/1951							
4/6/1951							
4/9/1951							
6/8/1951							
9/6/1951							
9/29/1969 16:15							
10/14/1969 16:00							
11/12/1969 13:30							
12/9/1969 14:45							
1/7/1970 15:30							
2/5/1970 14:50							
3/4/1970 15:05							
4/17/1970 11:35							
5/12/1970 15:25							
6/11/1970 11:45							
7/6/1970 13:40							
8/3/1970 14:30							
10/20/1970 14:45							
11/16/1970 15:00							
12/15/1970 15:00							
1/12/1971 15:05							
2/11/1971 14:45							
3/19/1971 15:05							
4/13/1971 17:15							
5/4/1971 11:15							
6/3/1971 13:10							
7/7/1971 18:30							
8/4/1971 16:10							
9/8/1971 15:00							
10/6/1971 10:05							
3/22/1972 13:40							
4/21/1972 16:35							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
5/17/1972 14:15							
6/23/1972 12:40							
7/13/1972 10:35							
8/22/1972 14:25							
9/20/1972 10:45							
10/16/1972 15:05							
11/21/1972 15:40							
12/21/1972 12:00							
1/22/1973 13:10							
2/23/1973 16:30							
3/1/1973 17:15							
3/7/1973 14:45							
3/15/1973 16:05							
4/18/1973 14:00							
5/23/1973 18:00							
6/22/1973 10:50							
7/17/1973 15:40							
8/21/1973 12:20							
9/18/1973 8:50							
10/24/1973 10:05							
11/19/1973 15:55							
12/17/1973 16:10							
1/22/1974 14:00							
2/13/1974 16:35							
3/21/1974 9:30							
4/18/1974 15:40							
4/26/1974 8:30							
5/17/1974 10:00							
6/25/1974 9:50							
7/16/1974 12:50							
8/21/1974 10:30							
9/17/1974 16:15	< 0.5						
10/1/1974 13:30							
10/22/1974 13:00							
10/22/1974 13:00	0.5	60	2.3				
11/5/1974 12:15							
11/30/1974 10:25							
11/30/1974 10:25		172	14				
12/4/1974 11:30							
12/18/1974 12:25							
12/18/1974 12:25		114	7.1				
1/15/1975 12:15							
1/16/1975 11:35							
1/16/1975 11:35	< 0.5	25	0.81				
2/6/1975 13:30							
2/12/1975 12:30							
2/12/1975 12:30		77	1.6				
3/5/1975 10:45							
4/2/1975 13:00							
4/2/1975 13:00	< 0.5	43	2.6				
4/17/1975 10:30							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
4/17/1975 15:45							
4/22/1975 11:10		2290	38400				
4/24/1975 13:20							
4/29/1975 13:30							
4/29/1975 13:30		3780	59600				
5/21/1975 12:00							
5/21/1975 12:45							
5/21/1975 12:45		146	88				
6/23/1975 12:45							
6/27/1975 11:00							
6/27/1975 11:00	< 0.5	137	68				
7/23/1975 11:00							
7/23/1975 11:00		172	31				
7/24/1975 11:00							
8/26/1975 12:20							
8/26/1975 12:20		150	54				
9/23/1975 11:45							
10/1/1975 12:00							
10/1/1975 12:00	< 0.5	61	6.3				
10/9/1975 10:50							
10/22/1975 14:00		40	5				
10/23/1975 14:00							
10/23/1975 14:00							
11/13/1975 11:15							
11/25/1975 13:30							
11/25/1975 13:30		35	4.3				
12/11/1975 9:45							
12/30/1975 14:15							
12/30/1975 14:15	< 0.5	28	2.7				
1/21/1976 12:00							
1/21/1976 12:00		26	2.5				
2/18/1976 14:30							
2/18/1976 14:30							
3/30/1976 13:15							
3/30/1976 13:15	< 0.5	148	99				
4/21/1976 12:30							
4/21/1976 12:30		92	40				
5/18/1976 12:30							
5/18/1976 12:30		73	9.9				
6/22/1976 11:30							
6/22/1976 11:30	2.5	85	13				
7/8/1976 9:45							
7/8/1976 9:45		66	5.9				
7/20/1976 11:10							
7/20/1976 11:10		72	5.1				
8/26/1976 10:15							
8/26/1976 10:15		52	2.2				
9/22/1976 12:00							
9/22/1976 12:00	< 0.5	990	257				
10/20/1976 11:00							
10/20/1976 11:00		36	1.9				

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
11/30/1976 12:40							
11/30/1976 12:40		8	0.39				
12/21/1976 13:10							
12/21/1976 13:10	0.8	42	2				
1/18/1977 12:20							
1/18/1977 12:20		80	3				
2/15/1977 12:20							
2/15/1977 12:20		12	0.68				
3/15/1977 14:05							
3/22/1977 12:50	< 0.5	100	46				
4/19/1977 12:00	< 0.5	104	19				
5/25/1977 12:45							
5/25/1977 12:45	< 0.5	122	10				
6/23/1977 12:00							
6/23/1977 12:00	< 0.5	437	206				
7/20/1977 13:00							
7/20/1977 13:00	< 0.5	83	10				
8/23/1977 11:35							
8/23/1977 11:35		68	2.2				
9/22/1977 10:20							
9/22/1977 10:20	< 0.5	105	11				
10/26/1977 12:30		55	4.5				
11/25/1977 13:00		11	0.74				
12/22/1977 12:40	< 0.1	29	2.5				
1/24/1978 15:45		15	0.61				
2/22/1978 10:45		8	0.3				
3/20/1978 15:15							
3/23/1978 13:30							
3/25/1978 12:30							
3/28/1978 15:50							
3/29/1978 16:10							
3/30/1978 13:20							
4/4/1978 15:30							
4/4/1978 15:30	< 0.1	969	4890				
4/27/1978 13:25	< 0.1	78	52				
5/23/1978 13:35							
5/23/1978 13:35	< 0.1	84	36				
6/9/1978 11:20							
6/19/1978							
6/28/1978 12:25							
6/28/1978 12:25	< 0.1	95	28				
7/26/1978 12:00							
7/26/1978 12:00	< 0.1	64	13				
8/22/1978 11:00							
8/22/1978 11:00	< 0.1	32	2.9				
9/26/1978 12:20							
9/26/1978 12:20	< 0.1	68	12				
10/24/1978 12:20	< 0.1	32	3.5				
11/30/1978 13:20							
11/30/1978 13:20		17	1.6				
12/19/1978 13:00	< 0.1	30	2.2				

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
1/23/1979 13:45		18	1.3				
2/21/1979 13:20		22	1.2				
3/21/1979 11:10							
3/30/1979 10:10							
4/11/1979 13:10							
4/11/1979 13:10		754	3220				
4/18/1979 15:05	< 0.5	1320	19000				
5/24/1979 9:00							
5/24/1979 9:00	< 0.5	86	24				
6/27/1979 13:30							
6/27/1979 13:30	< 0.5	662	477				
7/26/1979 13:20							
7/26/1979 13:20	< 0.5	92	13				
8/29/1979 12:20							
8/29/1979 12:20	< 0.1	41	4.5				
9/20/1979 12:35							
9/20/1979 12:35	< 0.1	52	3.9				
10/23/1979 8:40	0.1	11	0.78				
11/20/1979 14:35							
11/20/1979 14:35		55	10				
12/20/1979 12:10	0.8	9	0.59				
1/22/1980 12:25		12	0.52				
2/26/1980 16:45		19	0.98				
3/24/1980 12:55							
3/24/1980 12:55	< 0.1	76	37				
4/23/1980 12:30	0.1	51	7.3				
5/28/1980 11:25							
5/28/1980 11:25	0.2	34	1.6				
6/24/1980 11:00							
6/24/1980 11:00	0.1	270	44				
7/22/1980 10:35							
7/22/1980 10:35	0.1	30	1.4				
7/22/1980 11:35		30	1.4				
8/21/1980 8:25							
8/21/1980 8:25	0.1	63	3.3				
9/23/1980 11:35							
9/23/1980 11:35	0.1	36	1.5				
10/21/1980 12:25		77	16	1630			
11/25/1980 12:05							
11/25/1980 12:05		26	2	1920			
12/23/1980 13:00	0.1	42	1.7	2120			
2/4/1981 11:35		34	1.7	2350			
2/20/1981 11:05							
2/24/1981 13:10		110	69	689			
3/24/1981 12:40							
3/24/1981 12:40	0.2	38	5.1	963			
4/21/1981 12:10		44	2.7	1430			
5/19/1981 12:40							
5/19/1981 12:40		30	1.5	1520			
7/1/1981 16:30							
7/1/1981 16:30	0.3	108	6.8	2160			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
7/21/1981 12:15							
7/21/1981 12:15		598	94	1090			
8/27/1981 9:20							
8/27/1981 9:20		596	127	1180			
9/30/1981 14:05							
9/30/1981 14:05	0.2	42	2.4	1390			
11/17/1981 10:25	0.1	42	2.1	1580			
1/12/1982 13:10		176	4.8	1910			
2/9/1982 14:40	0.1	70	2	1890			
3/15/1982 17:40							
3/23/1982 14:10	0.1	220	202	295			
3/31/1982 17:10							
4/12/1982 16:55							
4/14/1982 12:40							
4/23/1982 14:40							
5/5/1982 13:35	0.1	70	29	1050			
6/15/1982 14:30		639	771	960			
8/10/1982 10:45	< 0.1	122	27	1330			
9/14/1982 13:45							
10/20/1982 14:10							
12/1/1982 12:45		76	15	1800			
1/11/1983 11:25							
3/3/1983 10:40		62	22				
3/3/1983 11:00				948			
3/16/1983 10:30							
4/6/1983 16:45							
5/18/1983 10:06		220	202	2460			
7/6/1983 12:30							
7/6/1983 13:06							
7/6/1983 13:07							
7/6/1983 13:08							
7/6/1983 13:09							
7/6/1983 13:10							
7/6/1983 13:11							
7/6/1983 13:12							
7/6/1983 13:13							
7/6/1983 13:14							
7/6/1983 13:15							
7/6/1983 13:16							
7/6/1983 13:17							
7/6/1983 13:18							
7/6/1983 13:19							
7/6/1983 13:20							
7/6/1983 13:21							
7/6/1983 13:22							
7/6/1983 13:23							
7/6/1983 13:24							
7/6/1983 13:25							
7/6/1983 13:26							
7/6/1983 13:27							
7/6/1983 13:28							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
7/6/1983 13:29							
7/6/1983 13:30							
7/6/1983 13:31							
7/6/1983 13:32							
7/6/1983 13:33							
7/6/1983 13:34							
7/6/1983 13:35							
7/6/1983 13:36							
7/6/1983 13:37							
7/6/1983 13:38							
7/6/1983 13:39							
7/6/1983 13:40							
7/6/1983 13:41							
7/6/1983 13:42							
7/6/1983 13:43							
7/6/1983 13:44							
7/6/1983 13:45							
7/6/1983 13:46							
8/17/1983 9:10		54	4.8				
10/6/1983 10:24							
11/8/1983 16:05		52	5.8				
12/22/1983 12:50							
1/24/1984 14:50							
2/3/1984 14:34							
3/13/1984 9:26		12	1.7	1280			
3/13/1984 10:40							
3/13/1984 10:43							
3/13/1984 10:45							
3/13/1984 10:47							
3/13/1984 10:50							
3/13/1984 10:51							
3/13/1984 10:52							
3/13/1984 10:53							
3/13/1984 10:55							
3/13/1984 10:57							
3/13/1984 11:00							
3/13/1984 11:02							
3/13/1984 11:05							
3/13/1984 11:07							
3/13/1984 11:10							
3/13/1984 11:13							
3/13/1984 11:15							
3/13/1984 11:17							
3/13/1984 11:20							
3/13/1984 11:23							
3/13/1984 11:25							
3/13/1984 11:30							
3/13/1984 11:32							
3/13/1984 11:35							
3/23/1984 8:48							
3/27/1984 10:58							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
4/4/1984 11:20							
4/24/1984 8:47		47	11				
4/24/1984 10:05							
4/24/1984 10:10							
4/24/1984 10:13							
4/24/1984 10:15							
4/24/1984 10:18							
4/24/1984 10:20							
4/24/1984 10:23							
4/24/1984 10:25							
4/24/1984 10:28							
4/24/1984 10:30							
4/24/1984 10:33							
4/24/1984 10:37							
4/24/1984 10:40							
4/24/1984 10:42							
6/7/1984 9:48							
7/11/1984 12:28							
8/28/1984 8:36		107	8.7	1730			
8/28/1984 9:00							
8/28/1984 9:03							
8/28/1984 9:07							
8/28/1984 9:10							
8/28/1984 9:14							
8/28/1984 9:17							
8/28/1984 9:21							
8/28/1984 9:24							
8/28/1984 9:28							
8/28/1984 9:31							
8/28/1984 9:33							
10/3/1984 10:25							
11/6/1984 9:10							
11/6/1984 9:50							
11/6/1984 9:53							
11/6/1984 9:57							
11/6/1984 10:00							
11/6/1984 10:03							
11/6/1984 10:07							
11/6/1984 10:10							
11/6/1984 10:14							
11/6/1984 10:17							
11/6/1984 10:21							
11/6/1984 10:26							
12/19/1984 13:40							
2/6/1985 10:08		79	1.5	2380			
2/6/1985 10:15							
2/6/1985 10:17							
2/6/1985 10:19							
2/6/1985 10:21							
2/28/1985 10:36							
3/15/1985 8:48					19		

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
3/21/1985 13:46							
4/30/1985 8:54		63	11				
4/30/1985 9:20							
4/30/1985 9:24							
4/30/1985 9:28							
4/30/1985 9:32							
4/30/1985 9:36							
4/30/1985 9:40							
4/30/1985 9:44							
4/30/1985 9:48							
4/30/1985 9:52							
4/30/1985 9:56							
4/30/1985 10:00							
4/30/1985 10:04							
6/11/1985 9:01							
8/5/1985 10:31							
9/10/1985 8:49		69	3.2				
9/10/1985 9:20							
9/10/1985 9:25							
9/10/1985 9:30							
9/10/1985 9:34							
9/10/1985 9:39							
9/10/1985 9:44							
9/10/1985 9:49							
9/10/1985 9:54							
9/10/1985 9:58							
10/22/1985 9:51		84	16	1940			
12/10/1985 9:46							
1/28/1986 10:25		14	1.2	2350			
3/1/1986 12:18							
3/5/1986 11:46							
3/11/1986 9:10							
4/22/1986 8:55							
6/10/1986 11:28							
7/22/1986 9:41		608	420	1460			
8/19/1986 9:23							
9/3/1986 13:55							
10/28/1986 10:13				1590			
12/16/1986 11:14							
1/27/1987 11:27		40	3.7	2240			
4/27/1987 12:27							
5/5/1987 10:21		70	19	1610			
6/10/1987 13:01							
7/28/1987 10:36		165	90	1810			
9/9/1987 8:46							
10/6/1987 13:27							
11/24/1987 11:00		42	5.5	1990			
1/7/1988 10:30							
2/23/1988 12:45		118	7.6	1960			
3/30/1988 9:08							
4/12/1988 10:53		65	12	1450			

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
5/31/1988 14:36							
7/5/1988 14:23							
8/16/1988 10:19		55	1.5	1780			
10/11/1988 13:15							
11/15/1988 11:45		53	3.4	1900			
1/4/1989 12:43							
2/28/1989 11:20				2180			
3/10/1989 14:39							
3/13/1989 11:37							
4/3/1989 12:00							
4/25/1989 10:49		62	8.9	1470			
6/22/1989 9:46							
8/1/1989 10:10		99	3.8	1240			
9/5/1989 12:00							
10/2/1989 14:00							
11/28/1989 12:03		56	2.6	1950			
11/28/1989 12:25							
11/28/1989 12:27							
11/28/1989 12:30							
11/28/1989 12:32							
11/28/1989 12:35							
11/28/1989 12:37							
11/28/1989 12:40							
11/28/1989 12:42							
11/28/1989 12:45							
1/9/1990 11:42							
2/13/1990 11:50		83	3.5	2320			
3/14/1990 11:55							
3/20/1990 10:50							
4/4/1990 12:39							
4/10/1990 11:12		66	4.6	1590			
5/29/1990 10:19							
6/1/1990 8:05							
6/20/1990 12:31							
6/26/1990 13:45							
8/21/1990 9:07		116	2.3	1480			
8/21/1990 10:24							
8/21/1990 10:26							
8/21/1990 10:28							
8/21/1990 10:30							
8/21/1990 10:32							
8/21/1990 10:34							
8/21/1990 10:36							
8/21/1990 10:38							
11/27/1990 11:52		45	2	1750			
1/8/1991 11:45							
2/12/1991 10:40		15	0.97	1420			
3/19/1991 11:07							
3/27/1991 10:10							
4/9/1991 10:24		38	3.1	1510			
6/4/1991 11:04							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
7/15/1991 12:50							
9/10/1991 8:30		103	1.1	1550			
10/8/1991 14:18							
11/19/1991 11:32		89	8.9	2020			
1/21/1992 11:08							
2/4/1992 12:13							
2/18/1992 12:50				1970			
4/7/1992 13:30							
6/2/1992 12:50				1680			
7/14/1992 15:35							
8/10/1992 13:30		64	1.2	1480			
10/7/1992 11:30		74	0.97	1570			
10/7/1992 11:32							
10/7/1992 11:34							
10/7/1992 11:36							
10/7/1992 11:38							
10/7/1992 11:40							
10/7/1992 11:42							
10/7/1992 11:44							
10/7/1992 11:46							
10/7/1992 11:48							
10/13/1992 11:50							
11/17/1992 16:30							
1/4/1993 15:10							
2/18/1993 12:15		106	2.4	2280			
2/18/1993 14:00							
2/18/1993 14:02							
2/18/1993 14:04							
2/18/1993 14:06							
2/18/1993 14:08							
3/5/1993 10:50							
4/20/1993 12:30		54	5.7	1470			
4/20/1993 12:35							
4/20/1993 12:37							
4/20/1993 12:39							
4/20/1993 12:41							
4/20/1993 12:43							
4/20/1993 12:45							
4/20/1993 12:47							
4/20/1993 12:49							
5/27/1993 13:45							
7/22/1993 11:25							
7/23/1993 17:45							
8/16/1993 12:55		86	24	1080			
8/16/1993 13:00							
8/16/1993 13:02							
8/16/1993 13:04							
8/16/1993 13:06							
8/16/1993 13:08							
8/16/1993 13:10							
8/16/1993 13:12							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
8/16/1993 13:14							
8/16/1993 13:16							
8/16/1993 13:18							
10/13/1993 13:35		43	2.5	1650			
11/15/1993 12:45							
1/13/1994 14:15							
3/2/1994 11:45							
3/10/1994 15:00							
3/15/1994 12:00							
3/21/1994 14:30				620			
5/25/1994 17:05							
8/16/1994 14:17				1540			
10/6/1994 14:15							
10/19/1994 12:35							
11/17/1994 11:10							
1/4/1995 15:45							
3/16/1995 11:45				659			
3/21/1995 12:40							
5/24/1995 13:40							
7/19/1995 11:20							
8/31/1995 11:30				1610			
10/2/1995 10:50							
11/8/1995 12:45							
1/2/1996 16:00							
2/22/1996 12:15				306			
4/8/1996 12:50							
4/13/1996 9:45							
5/15/1996 16:30							
6/27/1996 12:20							
8/6/1996 15:55							
9/5/1996 10:35				1750			
10/22/1996 14:35							
12/19/1996 14:50							
2/28/1997 15:50							
3/23/1997 15:35							
3/26/1997 17:15							
4/2/1997 15:35				796			
4/18/1997 17:15							
6/18/1997 9:55							
7/28/1997 13:35				1220			
8/27/1997 10:25							
10/20/1997 15:20							
12/12/1997 12:30							
2/6/1998 12:10							
3/28/1998 14:15				1270			
5/5/1998 15:05							
6/16/1998 13:40							
7/20/1998 10:40				1650			
9/10/1998 14:25							
10/6/1998 13:50							
1/14/1999 14:15							

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
3/15/1999 17:00							
3/18/1999 9:30				402			
3/19/1999 16:45							
4/6/1999 14:10							
5/24/1999 15:05							
7/16/1999 17:05							
9/20/1999 12:00				1750			
10/21/1999 11:30							
1/18/2000 11:50							
4/6/2000 12:50				1830			
5/3/2000 11:30							
5/31/2000 11:30							
8/21/2000 13:10				2060			
9/27/2000 11:00							
11/27/2000 13:20							
2/28/2001 13:05							
3/23/2001 16:15				791			
4/23/2001 13:30							
6/6/2001 11:35							
7/17/2001 12:55				1620			
9/11/2001 13:00							
10/22/2001 13:15							
12/10/2001 13:30							
1/24/2002 12:25							
4/2/2002 16:45							
4/12/2002 11:45							
5/9/2002 11:30				1980			7
6/12/2002 10:35							
7/12/2002 11:00							
8/15/2002 11:15							0
9/24/2002 13:40							
11/18/2002 13:10							
1/16/2003 13:30							
2/26/2003 12:40							
3/18/2003 14:15				393			< 1
3/24/2003 11:50							
4/28/2003 11:35							
6/13/2003 14:30							
7/16/2003 13:30							
9/3/2003 13:30				1660	561	14	< 1
9/30/2003 11:10							
11/19/2003 13:20							
1/9/2004 13:50							
2/25/2004 11:15							
3/22/2004 11:40				673	157	< 1	15
4/8/2004 14:45							
5/19/2004 12:30							
6/28/2004 14:30							
8/25/2004 15:00				1700	536	16	0
9/23/2004 15:30				1740	573	11	0
3/29/2005 12:00				728	184	< 1	0

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Date Time	Mercury ug/l	Suspend. Sediment mg/l	Suspend. Sediment ton/day	SC uS/cm @ 25degC	Bicarbonate Lab mg/l	Carbonate Lab mg/l	Noncarb. Hardness as CaCO3 mg/l
8/9/2005 15:45				1570	531	14	0
4/24/2006 12:15				1720	408	6	0
7/10/2006 13:45				1780	549	19	0
3/27/2007 11:50				992	268	< 1	
7/24/2007 10:40				1630	521	8	0
4/10/2008 12:05				1500	421	7	
7/17/2008 8:30				1490	478	3	0
4/20/2009 10:45				685	177	< 1	22
9/4/2009 10:05				1570	537	5	0
4/15/2010 11:30				1380	307	< 1	100
8/26/2010 10:00				1530	500	10	0
5/5/2011 7:55				1960	360	2	200
9/7/2011 15:00				2170	486	13	100
3/29/2012 8:00				2170	470	< 1	150
7/24/2012 16:25				1960	528	5	0
Number of Records: 674	51	132	132	95	21	20	21
Maximum		3,780	59,600	2,460	573		
75th %tile		104	20	1,905	531		
Median		66	5	1,590	478		
25th %tile		40	2	1,305	307		
Minimum		8	0	295	19		
% Non-detect Records	62.7%	0.0%	0.0%	0.0%	0.0%	30.0%	9.5%

Site	Date	Flow	Temp	pH	Fld-pH	SC	Fld-SC	SAR	TDS	TSS	Ca
Coyote Creek - SW1/4 Sec. 13, T143N, R89W, ca. 1 mile S of mouth (previously determined area)											
13CCC-W/ST	6/30/2009	1000	24.5	8.3	8.6	2008	2060	8.14	1800	2	78.6
13CCC-W/ST	9/23/2009	200	14.7	8.1	8.6	2243	2230	9.37	1910	5	61.6
13CCC-W/ST	11/17/2009	200	7.6	8.2	8.6	2425	2600	10.10	2110	7	71.9
13CCC-W/ST	3/9/2010	200	2.4	8.2	8.4	2527	2750	8.62	1900	2	97.9
13CCC-W/ST	6/29/2010	3,000	22.1	8.2	8.7	2431	2230	6.58	2120	4	102.0
13CCC-W/ST	9/22/2010	1,000	14.2	8.3	8.5	2327	2540	7.63	2160	5	108.0
13CCC-W/ST	11/18/2010	1,000	38.0	8.4	8.1	2422	2630	7.98	1920	6	84.8
13CCC-W/ST	3/30/2011	10,000	5.2	8.0	8.1	1316	1440	4.03	954	34	66.3
13CCC-W/ST	6/28/2011	5,000	19.7	8.5	8.4	2427	2270	4.84	1930	30	163.0
13CCC-W/ST	9/22/2011	5,000	14.4	8.1	8.1	2615	2780	6.03	2690	23	155.0
13CCC-W/ST	12/13/2011	1,000	3.5	8.1	7.8	3681	3780	6.80	2910	10	208.0
	Maximum	10,000	38.0	8.5	8.7	3,681	3,780	10.10	2,910	34	208.0
	75th %tile	4,000	20.9	8.3	8.6	2,479	2,690	8.38	2,140	17	131.5
	Median	1,000	14.4	8.2	8.4	2,425	2,540	7.63	1,930	6	97.9
	25th %tile	600	6.4	8.1	8.1	2,285	2,230	6.31	1,905	5	75.3
	Minimum	200	2.4	8.0	7.8	1,316	1,440	4.03	954	2	61.6
Brush Creek - SE1/4 Sec. 25, T143N, R88W, (previously determined area) ca. 0.50 miles E. AVF study area											
25DCC-E/ST	6/30/2009	1000	23.0	8.1	8.4	2362	2390	7.03	2130	1	91.9
25DCC-E/ST	9/17/2009	200	20.9	8.0	8.3	2114	2040	5.98	1580	1	78.1
25DCC-E/ST	11/17/2009	200	5.7	7.9	8.3	2318	2390	6.70	1830	2	93.5
25DCC-E/ST	3/30/2010	10,000	2.4	6.8	8.3	442	500	1.56	357	15	23.8
25DCC-E/ST	6/28/2010	5,000	23.1	8.0	8.6	2034	1920	4.83	1580	2	87.8
25DCC-E/ST	9/21/2010	800	11.7	7.6	7.8	2261	2260	6.10	1820	7	87.4
25DCC-E/ST	11/17/2010	1,000	4.1	8.3	7.7	2550	2640	5.58	2050	5	106.0
25DCC-E/ST	3/30/2011	5,000	2.1	7.5	7.7	1327	1470	2.96	881	1	87.5
25DCC-E/ST	6/29/2011	10,000	20.6	7.8	8.1	1947	1890	3.35	1520	8	155.0
25DCC-E/ST	9/29/2011	1500	13.3	7.8	7.9	2887	2770	5.46	2320	6	173.0
25DCC-E/ST	12/12/2011	1,000	2.2	8.0	8.1	3144	3320	5.09	2660	6	239.0
25DCC-E/ST	11/28/2005	100	0.0	8.1	8.1	2390	2450	5.49	1960	15	140.0
25DCC-E/ST	12/21/2006	5	0.1	8.0	7.7	3457	4810	13.30	3680	14	133.0
25DCC-E/ST	11/20/2007	20	1.6	8.2	6.5	1783	2290	5.04	1450	<1	94.1
25DCC-E/ST	12/23/2008	10	0.1	8.1	9.0	6610	7710	20.00	7120	61	156.0
	Maximum	10,000	23.1	8.3	9.0	6,610	7,710	20.00	7,120	61	239.0
	75th %tile	3,250	17.0	8.1	8.3	2,719	2,705	6.40	2,225	13	147.5
	Median	1,000	4.1	8.0	8.1	2,318	2,390	5.49	1,830	6	94.1
	25th %tile	150	1.9	7.8	7.8	1,991	1,980	4.94	1,550	2	87.7
	Minimum	5	0.0	6.8	6.5	442	500	1.56	357	1	23.8
Coyote Creek - SE1/4 Sec. 31, T143N, R88W, (previously determined area) ca. 0.25 miles N. of AVF study area											
31DBD-W/ST	6/30/2009	1000	22.1	8.0	8.5	2234	2330	8.85	1950	1	84.5
31DBD-W/ST	9/22/2009	200	15.8	8.2	8.6	2457	2440	12.00	2270	3	52.8
31DBD-W/ST	11/18/2009	200	2.7	8.2	8.5	2392	2600	11.10	1870	<1	59.3
31DBD-W/ST	3/9/2010	200	1.8	8.1	8.6	2458	2750	8.92	1960	1	98.5
31DBD-W/ST	6/29/2010	3,000	23.5	7.2	8.4	2108	2010	6.27	1680	6	80.8

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Site	Date	Flow	Temp	pH	Fld-pH	SC	Fld-SC	SAR	TDS	TSS	Ca
Coyote Creek - SW1/4 Sec. 13, T143N, R89W, ca. 1 mile S of mouth (previously determined area)											
31DBD-W/ST	9/22/2010	3,000	13.0	8.2	8.2	2116	2250	6.74	1830	9	83.2
31DBD-W/ST	11/18/2010	3,000	3.1	8.4	8.0	2515	2710	7.79	2030	5	92.5
31DBD-W/ST	3/30/2011		4.2	7.5	7.7	1400	1500	3.92	871	22	68.2
31DBD-W/ST	6/28/2011		20.9	8.4	8.4	2593	2550	4.97	2100	29	174.0
31DBD-W/ST	9/22/2011		15.7	8.1	8.1	2738	2910	6.61	2300	16	149.0
31DBD-W/ST	12/14/2011	1,000	5.5	8.0	7.9	3707	3840	6.98	2920	48	212.0
	Maximum	3,000	23.5	8.4	8.6	3,707	3,840	12.00	2,920	48	212.0
	75th %tile	3,000	18.4	8.2	8.5	2,554	2,730	8.89	2,185	21	123.8
	Median	1,000	13.0	8.1	8.4	2,457	2,550	6.98	1,960	8	84.5
	25th %tile	200	3.7	8.0	8.1	2,175	2,290	6.44	1,850	4	74.5
	Minimum	200	1.8	7.2	7.7	1,400	1,500	3.92	871	1	52.8

Site	Date	Mg	Na	K	Cl	SO4	NO3	Hard
Coyote Creek - SW1/4 Sec.								
13CCC-W/ST	6/30/2009	55.1	385	10.5	10.8	803	0.11	423
13CCC-W/ST	9/23/2009	51.5	412	10.1	14.4	730	<0.1	366
13CCC-W/ST	11/17/2009	53.0	464	9.2	12.5	762	<0.1	398
13CCC-W/ST	3/9/2010	589.0	437	8.9	13.7	872	0.31	487
13CCC-W/ST	6/29/2010	77.5	362	12.8	10.2	980	<0.1	574
13CCC-W/ST	9/22/2010	84.1	435	13.8	14.3	1070	<0.1	616
13CCC-W/ST	11/18/2010	61.9	396	10.6	12.0	951	<0.1	467
13CCC-W/ST	3/30/2011	43.7	172	14.0	7.6	520	1.05	346
13CCC-W/ST	6/28/2011	121.0	335	13.4	9.2	1130	<0.1	905
13CCC-W/ST	9/22/2011	125.0	416	13.6	14.9	1180	<0.1	902
13CCC-W/ST	12/13/2011	153.0	530	11.8	18.0	1620	0.34	1150
	Maximum	589.0	530	14.0	18.0	1,620		1,150
	75th %tile	123.0	436	13.5	14.4	1,100		759
	Median	77.5	412	11.8	12.5	951		487
	25th %tile	54.1	374	10.3	10.5	783		411
	Minimum	43.7	172	8.9	7.6	520		346
Brush Creek - SE1/4 Sec. 25,								
25DCC-E/ST	6/30/2009	100.0	409	11.7	14.4	1020	<0.1	641
25DCC-E/ST	9/17/2009	77.7	312	15.2	13.9	685	<0.1	515
25DCC-E/ST	11/17/2009	88.9	377	11.2	16.4	925	<0.1	600
25DCC-E/ST	3/30/2010	15.1	39.6	11.6	4.0	113	0.4	122
25DCC-E/ST	6/28/2010	84.9	265	11.1	11.4	880	<0.1	569
25DCC-E/ST	9/21/2010	88.0	338	14.7	19.7	799	<0.1	581
25DCC-E/ST	11/17/2010	96.7	330	13.6	24.0	970	<0.1	663
25DCC-E/ST	3/30/2011	54.5	143	15.0	9.3	458	0.68	443
25DCC-E/ST	6/29/2011	103.0	219	11.1	10.1	929	<0.1	811
25DCC-E/ST	9/29/2011	144.0	402	16.6	23.5	1230	<0.1	1020
25DCC-E/ST	12/12/2011	171.0	422	16.8	26.0	1450	0.39	1300
25DCC-E/ST	11/28/2005	116.0	363	15.9	24.0	878	<0.1	827
25DCC-E/ST	12/21/2006	147.0	935	23.7	31.1	2080	<0.1	937
25DCC-E/ST	11/20/2007	94.2	289	16.4	16.2	710	<0.1	623
25DCC-E/ST	12/23/2008	298.0	1850	47.7	67.9	4000	0.15	1620
	Maximum	298.0	1,850	47.7	67.9	4,000		1,620
	75th %tile	130.0	406	16.5	24.0	1,125		882
	Median	96.7	338	15.0	16.4	925		641
	25th %tile	86.5	277	11.7	12.7	755		575
	Minimum	15.1	40	11.1	4.0	113		122
Coyote Creek - SE1/4 Sec. 3 area								
31DBD-W/ST	6/30/2009	61.4	438	10.7	9.5	922	<0.1	464
31DBD-W/ST	9/22/2009	45.6	491	10.6	9.6	809	<0.1	320
31DBD-W/ST	11/18/2009	44.5	463	8.6	9.0	764	<0.1	331
31DBD-W/ST	3/9/2010	56.7	449	8.7	11.9	887	0.24	479
31DBD-W/ST	6/29/2010	62.8	309	10.7	7.8	875	<0.1	460

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Site	Date	Mg	Na	K	Cl	SO4	NO3	Hard
Coyote Creek - SW1/4 Sec.								
31DBD-W/ST	9/22/2010	61.8	333	9.4	10.7	881	<0.1	462
31DBD-W/ST	11/18/2010	66.4	402	10.4	11.3	992	<0.1	504
31DBD-W/ST	3/30/2011	46.2	171	14.5	7.6	554	1.13	361
31DBD-W/ST	6/28/2011	129.0	355	13.0	9.6	1240	<0.1	966
31DBD-W/ST	9/22/2011	123.0	450	12.8	14.2	1260	<0.1	879
31DBD-W/ST	12/14/2011	153.0	546	12.0	17.7	1600	0.39	1160
	Maximum	153.0	546	14.5	17.7	1,600		1,160
	75th %tile	94.7	457	12.4	11.6	1,116		692
	Median	61.8	438	10.7	9.6	887		464
	25th %tile	51.5	344	9.9	9.3	842		411
	Minimum	44.5	171	8.6	7.6	554		320

Site	Date	Bicarb	Carb	Total Fe	Dis-Fe
Coyote Creek - SW1/4 Sec.					
13CCC-W/ST	6/30/2009	378	<4	0.18	
13CCC-W/ST	9/23/2009	435	<4	0.18	
13CCC-W/ST	11/17/2009	478	<4	0.48	
13CCC-W/ST	3/9/2010	488	<4	0.31	<0.1
13CCC-W/ST	6/29/2010	363	<4	0.41	0.17
13CCC-W/ST	9/22/2010	372	<4	0.22	<0.1
13CCC-W/ST	11/18/2010	424	24	0.35	<0.1
13CCC-W/ST	3/30/2011	179	<4	0.76	
13CCC-W/ST	6/28/2011	292	38	0.43	<0.1
13CCC-W/ST	9/22/2011	397	<4	0.80	0.13
13CCC-W/ST	12/13/2011	472	<4	0.50	<0.1
	Maximum	488		0.80	
	75th %tile	454		0.49	
	Median	397		0.41	
	25th %tile	368		0.27	
	Minimum	179		0.18	
Brush Creek - SE1/4 Sec. 25					
25DCC-E/ST	6/30/2009	390	<4	<0.1	
25DCC-E/ST	9/17/2009	437	<4	0.13	
25DCC-E/ST	11/17/2009	381	<4	0.2	
25DCC-E/ST	3/30/2010	94	<4	0.81	0.27
25DCC-E/ST	6/28/2010	352	<4	0.19	<0.1
25DCC-E/ST	9/21/2010	470	<4	0.46	11
25DCC-E/ST	11/17/2010	522	14	0.23	<0.1
25DCC-E/ST	3/30/2011	240	<4	0.28	
25DCC-E/ST	6/29/2011	340	<4	0.27	<0.1
25DCC-E/ST	9/29/2011	447	<4	0.33	<0.1
25DCC-E/ST	12/12/2011	527	<4	0.37	<0.1
25DCC-E/ST	11/28/2005	539	0	0.98	
25DCC-E/ST	12/21/2006	800	<4	0.71	
25DCC-E/ST	11/20/2007	429	<4	<0.1	
25DCC-E/ST	12/23/2008	997	<4	0.97	
	Maximum	997		0.98	
	75th %tile	525		0.71	
	Median	437		0.33	
	25th %tile	367		0.23	
	Minimum	94		0.13	
Coyote Creek - SE1/4 Sec. 3					
31DBD-W/ST	6/30/2009	374	<4	0.18	
31DBD-W/ST	9/22/2009	469	<4	0.46	
31DBD-W/ST	11/18/2009	448	<4	0.38	
31DBD-W/ST	3/9/2010	492	<4	0.27	<0.1
31DBD-W/ST	6/29/2010	301	<4	0.40	0.15

Exhibit E - Basic Data: USGS 06339550, 06340010, 06340500 flow & quality; DWC Beulah Mine Coyote & Brush Creeks quality

Site	Date	Bicarb	Carb	Total Fe	Dis-Fe
Coyote Creek - SW1/4 Sec.					
31DBD-W/ST	9/22/2010	345	<4	0.40	<0.1
31DBD-W/ST	11/18/2010	430	22	0.33	<0.1
31DBD-W/ST	3/30/2011	173	<4	0.60	
31DBD-W/ST	6/28/2011	298	28	0.54	<0.1
31DBD-W/ST	9/22/2011	376	<4	0.66	<0.1
31DBD-W/ST	12/14/2011	455	<4	1.34	<0.1
	Maximum	492		1.34	
	75th %tile	452		0.57	
	Median	376		0.40	
	25th %tile	323		0.36	
	Minimum	173		0.18	