

Appendix B

Communiqués with the Division of Water Quality
UPDES, Stormwater & Groundwater Protection
Programs Pertaining to Permit Compliance

From: Daniel Hall
To: Douglas Bacon
Date: 3/10/2009 2:03 PM
Subject: UGW 350010

Doug,

Kennecott Utah Copper is in compliance with the Bingham Canyon Mine and Eastside Collection System, UGW 350010. The permit is up for renewal in approximately one year. I have already begun discussions with KUC on renewal and do not anticipate any major issues. UGW 350010 also includes the Bluewater Repository for which there been no compliance issues.

Dan

Dan Hall
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Douglas Bacon - RE: KUCC's compliance with storm water requirements in the area of Butterfield Canyon and up gradient waste rock disposal areas...

From: Michael George jr
To: Bacon, Douglas
Date: 3/23/2009 1:08 PM
Subject: RE: KUCC's compliance with storm water requirements in the area of Butterfield Canyon and up gradient waste rock disposal areas...

Hey Doug,
Sorry I haven't replied to you. Currently KUCC is in compliance with their storm water permit. There have been no discharges from the Butterfield Canyon area that I am aware of.
Thanks, Mike

Mike George
Environmental Scientist
Department of Environmental Quality
Division of Water Quality

From: Kim Shelley
To: Douglas Bacon
Date: 3/2/2009 4:50 PM
Subject: Fwd: RE: Butterfield Mine tunnel and creek,....
Attachments: 010 Storet Data.xls; Kennecott 010 DMR pull.xls; Butterfield Creek.xls

Hi Doug,

As per our phone conversation today, Kennecott has been in full compliance with its effluent limits at Outfall 010 from 2001 to date. Also, Butterfield Creek is currently fully supporting its beneficial use classifications at this time.

Thanks,

Kim Shelley
Environmental Engineer

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>>> Kim Shelley 2/23/2009 3:26 PM >>>

Hi Doug,

Attached are three spreadsheets with probably way more than you ever wanted to know about Kennecott's 010 outfall and Butterfield Creek. If I missed something or you need additional info just let me know.

The "Kennecott 010 DMR Pull" was downloaded directly from EPA's ISIS database and so it has some unusual characters. NODI=E means that the analysis wasn't conducted, NODI=C means that there was no discharge, NODI=9 means that it was not monitored. I hope that helps.

Thanks,
Kim

>>> Douglas Bacon 2/23/2009 12:35 PM >>>

Hi Kim,

Could you do me a favor and query your UPDES records for the Butterfield Mine Tunnel discharge and the downstream monitoring locations along Butterfield Creek and perhaps send me a spreadsheet that provides the monitoring data? If I could be so bold in asking, is it possible to get this data for the time frame of 2001 to 2009?

I am currently working on the CERCLA Five-year review for the Butterfield and Herriman operable unit sites under the Kennecott South Zone.

Thanks for any help you can provide on this matter,
Doug

EPA's ISIS database

Permit UT000051

Permit Name	Curr. Major Minor Status	Issue Date	Effective Date	Expiration Date
KENNECOTT COPPER CO	Major	5/23/2001	5/23/2001	4/30/2006
KENNECOTT COPPER CO.	Major	1/18/2007	2/1/2007	1/31/2012

Outfall 010A

00400 pH / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit	Standard Units	Standard Units
Limit Unit Desc	MINIMUM	MAXIMUM
Statistical Base Short Desc	6.5	9
Limit Value		
DMR Values		
3/31/07	7.94	7.94
6/30/07	NODI=C	NODI=C
9/30/07	7.29	7.29
12/31/07	7.89	7.89
3/31/08	7.87	7.87
6/30/08	7.93	7.93
9/30/08	7.7	7.7
12/31/08	8.15	8.15

00530 Solids, total suspended / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit	Milligrams per Liter	Milligrams per Li
Limit Unit Desc	30DA AVG	DAILY MX
Statistical Base Short Desc	20	30
Limit Value		
DMR Values		
3/31/07	3	3
6/30/07	NODI=C	NODI=C
9/30/07	3	3
12/31/07	3	3
3/31/08	3	3
6/30/08	3	3
9/30/08	3	3
12/31/08	3	3

Sample Type	Frequency of Analysis
GRAB	See Permit

Limit	
Limit Unit Desc	Milligrams per Liter
Statistical Base Short Desc	DAILY MX
Limit Value	10
DMR Values	
3/31/07	NODI=C
6/30/07	NODI=C
9/30/07	NODI=9
12/31/07	NODI=9
3/31/08	NODI=9
6/30/08	NODI=9
9/30/08	NODI=9
12/31/08	NODI=9

01002 Arsenic, total (as As) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value		0.1
DMR Values		
3/31/07	0.01	0.01
6/30/07	NODI=C	NODI=C
9/30/07	0.01	0.01
12/31/07	0.01	0.01
3/31/08	0.01	0.01
6/30/08	0.01	0.01
9/30/08	0.01	0.01
12/31/08	0.01	0.01

01027 Cadmium, total (as Cd) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.0044	0.015
DMR Values		
3/31/07	0	0
6/30/07	NODI=C	NODI=C
9/30/07	0	0
12/31/07	0	0
3/31/08	0	0
6/30/08	0	0
9/30/08	0	0
12/31/08	0	0

01042 Copper, total (as Cu) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.05	0.083
DMR Values		
3/31/07	0.02	0.02
6/30/07	NODI=C	NODI=C
9/30/07	0.02	0.02
12/31/07	0.02	0.02
3/31/08	0.02	0.02
6/30/08	0.02	0.02
9/30/08	0.02	0.02
12/31/08	0.02	0.02

01045 Iron, total (as Fe) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit	
Limit Unit Desc	Milligrams per Liter
Statistical Base Short Desc	DAILY MX
Limit Value	1.52
DMR Values	
3/31/07	0.08
6/30/07	NODI=C
9/30/07	0.11
12/31/07	0.06
3/31/08	0.06
6/30/08	0.05
9/30/08	0.02
12/31/08	0.02

01051 Lead, total (as Pb) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.023	0.1
DMR Values		
3/31/07	0.01	0.01
6/30/07	NODI=C	NODI=C
9/30/07	0.01	0.01
12/31/07	0.01	0.01
3/31/08	0.01	0.01
6/30/08	0.01	0.01
9/30/08	0.01	0.01
12/31/08	0.01	0.01

01092 Zinc, total (as Zn) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per L
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.446	0.493
DMR Values		
3/31/07	0.25	0.25
6/30/07	NODI=C	NODI=C
9/30/07	0.28	0.28
12/31/07	0.21	0.21
3/31/08	0.26	0.26
6/30/08	0.24	0.02
9/30/08	0.28	0.28
12/31/08	0.21	0.21

01147 Selenium, total (as Se) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per L
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.007	0.029
DMR Values		
3/31/07	0	0
6/30/07	NODI=C	NODI=C
9/30/07	0	0
12/31/07	0	0
3/31/08	0	0
6/30/08	0	0
9/30/08	0	0
12/31/08	0	0

Sample Type	Frequency of Analysis
MEASRD	Quarterly

Limit		
Limit Unit Desc	Million Gallons per	Million Gallons p
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value		
DMR Values		
3/31/07	0.1	0.1
6/30/07	NODI=C	NODI=C
9/30/07	0.17	0.17
12/31/07	0.11	0.11
3/31/08	0.12	0.01
6/30/08	0.13	0.13
9/30/08	0.09	0.09
12/31/08	0.11	0.11

70295 Solids, total dissolved / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit	
Limit Unit Desc	Milligrams per Liter
Statistical Base Short Desc	DAILY MX
Limit Value	1200
DMR Values	
3/31/07	942
6/30/07	NODI=C
9/30/07	1,070
12/31/07	958
3/31/08	976
6/30/08	930
9/30/08	934
12/31/08	944

71900 Mercury, total (as Hg) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Liter
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.00002	0.00023
DMR Values		
3/31/07	0	0
6/30/07	NODI=C	NODI=C
9/30/07	0	0
12/31/07	0	0
3/31/08	0	0
6/30/08	0	0
9/30/08	0	0
12/31/08	0	0

84066 Oil and grease visual / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
VISUAL	See Permit

Limit	
Limit Unit Desc	Yes=1; No=0
Statistical Base Short Desc	INST MAX
Limit Value	0
DMR Values	
3/31/07	0
6/30/07	NODI=C
9/30/07	NODI=C
12/31/07	0
3/31/08	0
6/30/08	0
9/30/08	0
12/31/08	0

Outfall 010A

00400 pH / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Standard Units	Standard Units
Statistical Base Short Desc	MINIMUM	MAXIMUM
Limit Value	6.5	9
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	7.48	7.48
3/31/02	7.25	7.61
6/30/02	NODI=C	NODI=C
9/30/02	7.9	7.9
12/31/02	7.27	7.27
3/31/03	7.26	7.26
6/30/03	7.43	7.43
9/30/03	NODI=E	NODI=E
12/31/03	7.33	7.33
3/31/04	7.78	7.78
6/30/04	7.22	7.22
9/30/04	7.9	7.9
12/31/04	7.1	7.1
3/31/05	7.62	7.62
6/30/05	7.38	7.38
9/30/05	7.01	7.01
12/31/05	7.24	7.24
3/31/06	7.06	7.06
6/30/06	7.64	7.64
9/30/06	7.49	7.49
12/31/06	7.48	7.48

00530 Solids, total suspended / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per L
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	20	30
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	3	3
3/31/02	3	3
6/30/02	NODI=C	NODI=C
9/30/02	5	5
12/31/02	3	3
3/31/03	3	3
6/30/03	3	3
9/30/03	NODI=E	NODI=E
12/31/03	3	3
3/31/04	3	3
6/30/04	3	3
9/30/04	3	3
12/31/04	3	3
3/31/05	3	3
6/30/05	3	3
9/30/05	3	3
12/31/05	3	3
3/31/06	3	3
6/30/06	3	3
9/30/06	3	3
12/31/06	3	3

Sample Type	Frequency of Analysis
GRAB	See Permit

Limit	
Limit Unit Desc	Milligrams per Liter
Statistical Base Short Desc	DAILY MX
Limit Value	10
DMR Values	
9/30/01	NODI=E
12/31/01	NODI=C
3/31/02	NODI=C
6/30/02	NODI=C
9/30/02	NODI=C
12/31/02	NODI=C
3/31/03	NODI=C
6/30/03	NODI=C
9/30/03	NODI=E
12/31/03	NODI=C
3/31/04	NODI=9
6/30/04	NODI=C
9/30/04	NODI=9
12/31/04	NODI=9
3/31/05	NODI=9
6/30/05	NODI=9
9/30/05	NODI=9
12/31/05	NODI=9
3/31/06	NODI=9
6/30/06	NODI=9
9/30/06	NODI=9
12/31/06	NODI=9

01002 Arsenic, total (as As) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per L
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value		0.1
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0.05	0.05
3/31/02	0.04	0.04
6/30/02	NODI=C	NODI=C
9/30/02	0.03	0.03
12/31/02	0.03	0.03
3/31/03	0.03	0.03
6/30/03	0.02	0.02
9/30/03	NODI=E	NODI=E
12/31/03	0.02	0.02
3/31/04	0.02	0.02
6/30/04	0.02	0.02
9/30/04	0.01	0.01
12/31/04	0.02	0.02
3/31/05	0.01	0.01
6/30/05	0.02	0.02
9/30/05	0.02	0.02
12/31/05	0.02	0.02
3/31/06	0.02	0.02
6/30/06	0.01	0.01
9/30/06	0.01	0.01
12/31/06	0.01	0.01

01027 Cadmium, total (as Cd) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.0044	0.015
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0	0
3/31/02	0	0
6/30/02	NODI=C	NODI=C
9/30/02	0	0
12/31/02	0	0
3/31/03	0	0
6/30/03	0	0
9/30/03	NODI=E	NODI=E
12/31/03	0	0
3/31/04	0	0
6/30/04	0	0
9/30/04	0	0
12/31/04	0	0
3/31/05	0	0
6/30/05	0	0
9/30/05	0	0
12/31/05	0	0
3/31/06	0	0
6/30/06	0	0
9/30/06	0	0
12/31/06	0	0

01042 Copper, total (as Cu) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.05	0.083
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0.02	0.02
3/31/02	0.02	0.02
6/30/02	NODI=C	NODI=C
9/30/02	0.02	0.02
12/31/02	0.02	0.02
3/31/03	0.02	0.02
6/30/03	0.02	0.02
9/30/03	NODI=E	NODI=E
12/31/03	0.02	0.02
3/31/04	0.02	0.02
6/30/04	0.03	0.03
9/30/04	0.02	0.02
12/31/04	0.02	0.02
3/31/05	0.02	0.02
6/30/05	0.02	0.02
9/30/05	0.02	0.02
12/31/05	0.02	0.02
3/31/06	0.02	0.02
6/30/06	0.02	0.02
9/30/06	0.02	0.02
12/31/06	0.02	0.02

01045 Iron, total (as Fe) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value		1.52
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0.28	0.28
3/31/02	0.27	0.3
6/30/02	NODI=C	NODI=C
9/30/02	0.14	0.14
12/31/02	0.24	0.24
3/31/03	0.27	0.27
6/30/03	0.44	0.44
9/30/03	NODI=E	NODI=E
12/31/03	0.09	0.09
3/31/04	0.12	0.12
6/30/04	0.14	0.14
9/30/04	0.05	0.05
12/31/04	0.25	0.25
3/31/05	0.16	0.16
6/30/05	0.3	0.3
9/30/05	0.14	0.14
12/31/05	0.17	0.17
3/31/06	0.15	0.15
6/30/06	0.06	0.06
9/30/06	0.07	0.07
12/31/06	0.13	0.13

01051 Lead, total (as Pb) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.023	0.1
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0.01	0.01
3/31/02	0.01	0.01
6/30/02	NODI=C	NODI=C
9/30/02	0.01	0.01
12/31/02	0.01	0.01
3/31/03	0.01	0.01
6/30/03	0.01	0.01
9/30/03	NODI=E	NODI=E
12/31/03	0.01	0.01
3/31/04	0.01	0.01
6/30/04	0.01	0.01
9/30/04	0.01	0.01
12/31/04	0.01	0.01
3/31/05	0.01	0.01
6/30/05	0.01	0.01
9/30/05	0.01	0.01
12/31/05	0.01	0.01
3/31/06	0.01	0.01
6/30/06	0.01	0.01
9/30/06	0.01	0.01
12/31/06	0.01	0.01

01092 Zinc, total (as Zn) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.446	0.493
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0.18	0.18
3/31/02	0.18	0.18
6/30/02	NODI=C	NODI=C
9/30/02	0.13	0.13
12/31/02	0.19	0.19
3/31/03	0.2	0.2
6/30/03	0.13	0.13
9/30/03	NODI=E	NODI=E
12/31/03	0.18	0.18
3/31/04	0.16	0.16
6/30/04	0.2	0.2
9/30/04	0.21	0.21
12/31/04	0.2	0.2
3/31/05	0.18	0.18
6/30/05	0.22	0.22
9/30/05	0.26	0.26
12/31/05	0.24	0.24
3/31/06	0.23	0.23
6/30/06	0.24	0.24
9/30/06	0.22	0.22
12/31/06	0.22	0.22

01147 Selenium, total (as Se) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.007	0.029
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0	0
3/31/02	0	0
6/30/02	NODI=C	NODI=C
9/30/02	0	0
12/31/02	0	0
3/31/03	0	0
6/30/03	0	0
9/30/03	NODI=E	NODI=E
12/31/03	0	0
3/31/04	0	0
6/30/04	0	0
9/30/04	0	0
12/31/04	0	0
3/31/05	0	0
6/30/05	0	0
9/30/05	0	0
12/31/05	0	0
3/31/06	0	0
6/30/06	0	0
9/30/06	0	0
12/31/06	0	0

Sample Type	Frequency of Analysis
MEASRD	Quarterly

Limit		
Limit Unit Desc	Million Gallons per	Million Gallons p
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value		
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	0.36	0.36
3/31/02	0.21	0.21
6/30/02	NODI=C	NODI=C
9/30/02	0.13	0.13
12/31/02	0.18	0.18
3/31/03	0.15	0.15
6/30/03	0.19	0.19
9/30/03	NODI=E	NODI=E
12/31/03	0.14	0.14
3/31/04	0.14	0.14
6/30/04	0.14	0.14
9/30/04	0.12	0.12
12/31/04	0.12	0.12
3/31/05	0.11	0.11
6/30/05	0.11	0.11
9/30/05	0.17	0.17
12/31/05	0.12	0.12
3/31/06	0.15	0.15
6/30/06	0.15	0.15
9/30/06	0.13	0.13
12/31/06	0.1	0.1

70295 Solids, total dissolved / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per L
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value		1200
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	730	730
3/31/02	740	759
6/30/02	NODI=C	NODI=C
9/30/02	693	693
12/31/02	759	759
3/31/03	770	770
6/30/03	800	800
9/30/03	NODI=E	NODI=E
12/31/03	750	750
3/31/04	770	770
6/30/04	800	800
9/30/04	770	770
12/31/04	840	840
3/31/05	830	830
6/30/05	790	790
9/30/05	877	877
12/31/05	808	808
3/31/06	875	875
6/30/06	896	896
9/30/06	1,040	1,040
12/31/06	996	996

71900 Mercury, total (as Hg) / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
GRAB	Quarterly

Limit		
Limit Unit Desc	Milligrams per Liter	Milligrams per Li
Statistical Base Short Desc	30DA AVG	DAILY MX
Limit Value	0.00002	0.00023
DMR Values		
9/30/01	NODI=E	NODI=E
12/31/01	NODI=L	NODI=L
3/31/02	0	0
6/30/02	NODI=C	NODI=C
9/30/02	0	0
12/31/02	0	0
3/31/03	0	0
6/30/03	0	0
9/30/03	NODI=E	NODI=E
12/31/03	0	0
3/31/04	0	0
6/30/04	0	0
9/30/04	0	0
12/31/04	0	0
3/31/05	0	0
6/30/05	0	0
9/30/05	0	0
12/31/05	0	0
3/31/06	0	0
6/30/06	0	0
9/30/06	0	0
12/31/06	0	0

84066 Oil and grease visual / Location 1 / Season 0 / Base

Sample Type	Frequency of Analysis
VISUAL	See Permit

Limit	
Limit Unit Desc	Yes=1; No=0
Statistical Base Short Desc	INST MAX
Limit Value	0
DMR Values	
9/30/01	NODI=E
12/31/01	0
3/31/02	0
6/30/02	NODI=C
9/30/02	0
12/31/02	0
3/31/03	0
6/30/03	0
9/30/03	NODI=E
12/31/03	0
3/31/04	0
6/30/04	0
9/30/04	0
12/31/04	0
3/31/05	0
6/30/05	0
9/30/05	0
12/31/05	0
3/31/06	0
6/30/06	0
9/30/06	0
12/31/06	0

name	identificatio	tsrsvst_is	tsrfact_is	tsrrslt_is	tsrchar_is	arrival_dat	start_time	value_text	value_status	id_code	short_form	id_code	display_name	min_detect	max_quant	min_quant	field_value
Butterfield/Midas Ck ab Jordan River	4994420	211591	475441	5756882	239	#####	1/1/0001 12:43:01	4.94 F		64502007 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	211747	475655	5756888	239	#####	1/1/0001 11:05:33	4.38 F		65412007 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	213491	481292	5847947	239	#####	1/1/0001 11:49:21	4.751 F		7352008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	213954	482714	5866935	239	#####	1/1/0001 11:01:25	2.67 F		12912008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	214393	483705	5876848	239	#####	1/1/0001 10:21:44	0.56 F		18662008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	214596	483914	5878093	239	#####	1/1/0001 11:19:55	0.768 F		21522008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	215245	484912	5888703	239	#####	1/1/0001 10:27:14	1.724 F		31862008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	215403	485135	5891016	239	#####	1/1/0001 12:21:50	2.6 F		45552008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	216126	486165	5902363	239	#####	1/1/0001 10:27:34	1.15 F		68242008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	217793	489367	5957138	239	#####	1/1/0001 09:40:25	0.012 F		64462008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	218171	489829	5963785	239	#####	1/1/0001 14:48:00	0.3 F		73732008 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	218467	490172	5965905	239	#####	1/1/0001 13:00:57	0.394 F		122009 cfs		4	Flow				Total
Butterfield/Midas Ck ab Jordan River	4994420	211591	482151	5859181	11797	#####	1/1/0001 12:45:00	1740 F		200708097 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	211747	482402	5862919	11797	#####	1/1/0001 11:00:00	1718 F		200708604 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	213491	482996	5870055	11797	#####	1/1/0001 11:45:00	1734 F		200800645 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	213954	483353	5874937	11797	#####	1/1/0001 11:00:00	1708 F		20080098c mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	214596	487640	5922967	11797	#####	1/1/0001 11:55:00	29.2 F		200802417 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	215245	488036	5930704	11797	#####	1/1/0001 11:20:00	35.2 F		200803305 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	215403	488331	5938645	11797	#####	1/1/0001 10:45:00	30.4 F		200803822 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	216126	490759	5968757	11797	#####	1/1/0001 12:05:00	21.6 F		200805071 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	218954	491916	5994418	456	#####	1/1/0001 10:25:00	65.2 F		200807081 mg/l		4	Solids, Dissolved				Total
Butterfield/Midas Ck ab Jordan River	4994420	211591	475441	5756878	1	#####	1/1/0001 12:43:01	7.27 F		64502007 None		4	PH				Total
Butterfield/Midas Ck ab Jordan River	4994420	211591	482151	5859166	1	#####	1/1/0001 12:45:00	8.23 F		200708097 None		4	PH				Total
Butterfield/Midas Ck ab Jordan River	4994420	211747	482402	5862904	1	#####	1/1/0001 11:00:00	8.43 F		200708604 None		4	PH				Total
Butterfield/Midas Ck ab Jordan River	4994420	213491	483353	5874937	1	#####	1/1/0001 11:00:00	43.6 F		20080098c mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	214596	487640	5922967	1	#####	1/1/0001 11:55:00	29.2 F		200802417 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	215245	488036	5930704	1	#####	1/1/0001 11:20:00	35.2 F		200803305 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	215403	488331	5938645	1	#####	1/1/0001 10:45:00	30.4 F		200803822 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	216126	490759	5968757	1	#####	1/1/0001 12:05:00	21.6 F		200805071 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	218954	491916	5994418	456	#####	1/1/0001 10:25:00	65.2 F		200807081 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	211591	475441	5756878	1	#####	1/1/0001 12:43:01	7.27 F		64502007 None		4	PH				Total
Butterfield/Midas Ck ab Jordan River	4994420	211591	482151	5859166	1	#####	1/1/0001 12:45:00	8.23 F		200708097 None		4	PH				Total
Butterfield/Midas Ck ab Jordan River	4994420	211747	482402	5862904	1	#####	1/1/0001 11:00:00	8.43 F		200708604 None		4	PH				Total
Butterfield/Midas Ck ab Jordan River	4994420	213491	483353	5874937	1	#####	1/1/0001 11:00:00	43.6 F		20080098c mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	214596	487640	5922967	1	#####	1/1/0001 11:55:00	29.2 F		200802417 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	215245	488036	5930704	1	#####	1/1/0001 11:20:00	35.2 F		200803305 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	215403	488331	5938645	1	#####	1/1/0001 10:45:00	30.4 F		200803822 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	216126	490759	5968757	1	#####	1/1/0001 12:05:00	21.6 F		200805071 mg/l		4	Solids, Total Suspended (TSS)				Total
Butterfield/Midas Ck ab Jordan River	4994420	218954	491916	5994418	456	#####	1/1/0001 10:25:00	65.2 F		200807081 mg/l		4	Solids, Total Suspended (TSS)				Total

Butterfield/Midas Ck ab Jordan River	4994420	218171	489829	5963781	1	#####	1/1/0001 14:48:00	8.31 F	73732008	None	4	pH	Total
Butterfield Ck. AT MOUTH OF CA	4994440	218467	490172	5965901	1	#####	1/1/0001 13:00:57	8.24 F	122009	None	4	pH	Total
Butterfield Ck. AT MOUTH OF CA	4994440	165297	382824	4267928	29	#####	12/1/2001 9:30	6 F	20010280E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	169492	389845	4374540	29	#####	3/1/2002 15:04	9.6 F	20010623E	ug/l	4	Arsenic	Total
Butterfield Ck. AT MOUTH OF CA	4994440	170894	391431	4399199	29	#####	4/1/2002 8:49	10 F	20010860C	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	168349	393103	4434505	29	#####	4/1/2002 12:30	8.6 F	200200667	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	173568	394831	4480989	29	#####	5/1/2002 10:00	6.9 F	20020259E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	175584	400610	4637241	29	#####	10/1/2002 12:00	11 F	20020534E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	177863	403619	4690324	29	#####	1/1/0001 14:05:00	8.9 F	20020885E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	179758	407891	4764144	29	#####	1/1/0001 14:15:00	7.3 F	20030016E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	183081	415652	4892380	29	#####	1/1/0001 11:45:00	8.9 F	200306137	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	186323	421347	4992926	29	#####	1/1/0001 12:00:00	5.6 F	20040017E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	190346	431496	5166757	29	#####	1/1/0001 13:15:00	6.35 F	200405717	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	192677	434754	5215208	29	#####	1/1/0001 12:45:00	5.61 F	20040951E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	193778	436436	5238598	29	#####	1/1/0001 09:55:00	5.26 F	20050053E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	194833	442968	5323136	29	#####	1/1/0001 09:55:00	3.68 F	20050197E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	196981	446066	5368512	29	#####	1/1/0001 15:50:00	5.54 F	200505841	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	198798	448341	5397675	29	#####	1/1/0001 14:10:00	4.21 F	20050830E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	200032	455366	5465957	29	#####	1/1/0001 11:25:00	3.7 F	20060043E	ug/l	4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	203685	458655	5516893	29	#####	1/1/0001 12:45:00	*Non-detect F	200603175C		4	Arsenic	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	165297	382824	4267927	74	#####	12/1/2001 9:30	*Non-detect F	200102808C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	169492	389845	4374539	74	#####	3/1/2002 15:04	*Non-detect F	200106238C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	170894	391431	4399198	74	#####	4/1/2002 8:49	*Non-detect F	200108600C		4	Cadmium	Total
Butterfield Ck. AT MOUTH OF CA	4994440	168349	393103	4434504	74	#####	4/1/2002 12:30	*Non-detect F	200200667C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	173568	394831	4480988	74	#####	5/1/2002 10:00	*Non-detect F	200202599C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	175584	400610	4637239	74	#####	10/1/2002 12:00	*Non-detect F	20020534E		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	177863	403619	4690322	74	#####	1/1/0001 14:05:00	*Non-detect F	200208855C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	179758	407891	4764142	74	#####	1/1/0001 14:15:00	*Non-detect F	200300163C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	183081	415652	4892378	74	#####	1/1/0001 11:45:00	*Non-detect F	200306137C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	186323	421347	4992924	74	#####	1/1/0001 12:00:00	*Non-detect F	200400179C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	190346	431496	5166755	74	#####	1/1/0001 13:15:00	*Non-detect F	200405717C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	192677	434754	5215211	74	#####	1/1/0001 12:45:00	*Non-detect F	200409518C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	193778	436436	5238601	74	#####	1/1/0001 09:30:00	*Non-detect F	20050053E		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	194833	442968	5323139	74	#####	1/1/0001 09:55:00	*Non-detect F	20050197E		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	196981	446066	5368515	74	#####	1/1/0001 15:50:00	*Non-detect F	200505841C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	198798	448341	5397678	74	#####	1/1/0001 14:10:00	*Non-detect F	20050830E		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	200032	455366	5465960	74	#####	1/1/0001 11:25:00	*Non-detect F	20060043E		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	203685	458655	5516896	74	#####	1/1/0001 12:45:00	*Non-detect F	200603175C		4	Cadmium	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	165297	382824	4267925	140	#####	12/1/2001 9:30	*Non-detect F	200102808C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	169492	389845	4374538	140	#####	3/1/2002 15:04	*Non-detect F	200106238C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	170894	391431	4399196	140	#####	4/1/2002 8:49	*Non-detect F	200108600C		4	Copper	Total
Butterfield Ck. AT MOUTH OF CA	4994440	168349	393103	4434502	140	#####	4/1/2002 12:30	*Non-detect F	200200667C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	173568	394831	4480986	140	#####	5/1/2002 10:00	*Non-detect F	200202599C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	175584	400610	4637236	140	#####	10/1/2002 12:00	*Non-detect F	20020534E		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	177863	403619	4690319	140	#####	1/1/0001 14:05:00	*Non-detect F	200208855C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	179758	407891	4764139	140	#####	1/1/0001 14:15:00	*Non-detect F	200300163C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	183081	415652	4892376	140	#####	1/1/0001 11:45:00	*Non-detect F	200306137C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	186323	421347	4992922	140	#####	1/1/0001 12:00:00	*Non-detect F	200400179C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	190346	431496	5166753	140	#####	1/1/0001 13:15:00	*Non-detect F	200405717C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	192677	434754	5215218	140	#####	1/1/0001 12:45:00	*Non-detect F	200409518C		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	193778	436436	5238608	140	#####	1/1/0001 09:30:00	*Non-detect F	20050053E		4	Copper	Dissolved
Butterfield Ck. AT MOUTH OF CA	4994440	194833	442968	5323146	140	#####	1/1/0001 09:55:00	*Non-detect F	20050197E		4	Copper	Dissolved

BUTTERFIELD CK. AT MOUTH OF CA	49944440	196981	446066	5368518	140	#####	1/1/0001 15:50:00	*Non-detect F	200505841C	4	Copper	12	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	198798	448341	5397681	140	#####	1/1/0001 14:10:00	*Non-detect F	200508302C	4	Copper	12	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	200032	455366	5465963	140	#####	1/1/0001 11:25:00	*Non-detect F	200600432C	4	Copper	12	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	203685	458655	5516899	140	#####	1/1/0001 12:45:00	*Non-detect F	200603175C	4	Copper	12	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	165297	377539	4160718	239	#####	5/1/2001 9:26	2.5 F	9882001 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	169492	386052	4335916	239	#####	3/1/2002 15:01	2 F	34912001 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	170894	387700	4346231	239	#####	3/1/2002 8:46	2.5 F	52082001 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	168349	387700	4346231	239	#####	2/1/2002 12:36	1 F	942002 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	173568	393512	4443462	239	#####	5/1/2002 10:09	3 F	18922002 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	175584	396733	4544560	239	#####	7/1/2002 11:10	1 F	35632002 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	177863	400466	4634612	239	#####	10/1/2002 14:03	0.7 F	60362002 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	179758	404188	4701515	239	#####	1/1/0001 14:15:00	1.2 F	3612003 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	183081	412264	4842014	239	#####	1/1/0001 11:51:00	1 F	39472003 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	186323	419217	4964602	239	#####	1/1/0001 11:50:00	3 F	972004 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	190346	427242	5113278	239	#####	1/1/0001 13:14:00	0.5 F	44472004 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	191693	430843	5158555	239	#####	1/1/0001 12:32:00	0.5 F	57742004 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	192348	432349	5181376	239	#####	1/1/0001 13:07:00	0.5 F	66762004 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	192677	433122	5192960	239	#####	1/1/0001 12:42:00	2 F	70092004 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	193258	433931	5202317	239	#####	1/1/0001 12:18:10	1 F	78602004 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	193778	435052	5220120	239	#####	1/1/0001 09:31:44	1.5 F	2062005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	194207	435988	5233291	239	#####	1/1/0001 15:46:59	0.5 F	5512005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	194694	436704	5242880	239	#####	1/1/0001 14:49:36	1.5 F	9972005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	194833	436843	5243660	239	#####	1/1/0001 09:57:47	2.5 F	13802005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	194926	436941	5244220	239	#####	1/1/0001 11:16:29	3 F	14422005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	195293	438141	5255418	239	#####	1/1/0001 14:54:02	8.13 F	16692005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	195505	438364	5256794	239	#####	1/1/0001 14:19:21	4.27 F	22552005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	195631	438557	5259091	239	#####	1/1/0001 14:07:31	4.5 F	24742005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	195841	438934	5265705	239	#####	1/1/0001 10:23:49	1.4 F	28962005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	196981	441596	5304277	239	#####	1/1/0001 15:51:50	3 F	52442005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	198798	446383	5374087	239	#####	1/1/0001 13:59:40	2 F	80012005 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	200032	449112	5408807	239	#####	1/1/0001 11:36:41	2 F	2852006 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	203685	457142	5489678	239	#####	1/1/0001 12:37:07	4.5 F	36832006 cfs	4	Flow		
BUTTERFIELD CK. AT MOUTH OF CA	49944440	165297	382824	4267924	279	#####	12/1/2001 9:30	*Non-detect F	200102808C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	169492	389845	4374537	279	#####	3/1/2002 15:04	7.4 F	200106238C	4	Iron	Total	
BUTTERFIELD CK. AT MOUTH OF CA	49944440	170894	391431	4399195	279	#####	4/1/2002 8:49	*Non-detect F	200108600C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	168349	393103	4434501	279	#####	4/1/2002 12:30	*Non-detect F	200200667C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	173568	394831	4480985	279	#####	5/1/2002 10:00	*Non-detect F	200202599C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	175584	400610	4637235	279	#####	10/1/2002 12:00	*Non-detect F	200205342C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	177863	403619	4690318	279	#####	1/1/0001 14:05:00	*Non-detect F	200208855C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	179758	407891	4764138	279	#####	1/1/0001 14:15:00	*Non-detect F	200300163C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	183081	415652	4892385	279	#####	1/1/0001 11:45:00	*Non-detect F	200306137C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	186323	421347	4992931	279	#####	1/1/0001 12:00:00	*Non-detect F	200400179C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	190346	431496	5166762	279	#####	1/1/0001 13:15:00	*Non-detect F	200405717C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	192677	434754	5215220	279	#####	1/1/0001 12:45:00	*Non-detect F	200409518C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	193778	436436	5238610	279	#####	1/1/0001 09:30:00	*Non-detect F	200500532C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	194833	442968	5323148	279	#####	1/1/0001 09:55:00	20 F	200501972 ug/l	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	196981	446066	5368520	279	#####	1/1/0001 15:50:00	*Non-detect F	200505841C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	198798	448341	5397683	279	#####	1/1/0001 14:10:00	*Non-detect F	200508302C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	200032	455366	5465965	279	#####	1/1/0001 11:25:00	*Non-detect F	200600432C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	203685	458655	5516901	279	#####	1/1/0001 12:45:00	*Non-detect F	200603175C	4	Iron	20	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	165297	382824	4267923	285	#####	12/1/2001 9:30	*Non-detect F	200102808C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	49944440	169492	389845	4374536	285	#####	3/1/2002 15:04	*Non-detect F	200106238C	4	Lead	3	Total

BUTTERFIELD CK. AT MOUTH OF CA	4994440	170894	391431	4399194	285	#####	4/1/2002 8:49	*Non-detect F	200108600C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	168349	393103	4434500	285	#####	4/1/2002 12:30	*Non-detect F	200200667C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	173568	394831	4480984	285	#####	5/1/2002 10:00	*Non-detect F	200202599C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	175584	400610	4637294	285	#####	10/1/2002 12:00	*Non-detect F	200205342C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	177863	403619	4690317	285	#####	1/1/0001 14:05:00	*Non-detect F	200208855C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	179758	407891	4764157	285	#####	1/1/0001 14:15:00	*Non-detect F	200300163C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	183081	415662	4892375	285	#####	1/1/0001 11:45:00	*Non-detect F	200306137C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	186323	421347	4992921	285	#####	1/1/0001 12:00:00	*Non-detect F	200400179C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	190346	431496	5166752	285	#####	1/1/0001 13:15:00	*Non-detect F	200405717C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	434754	5215221	285	#####	1/1/0001 12:45:00	*Non-detect F	200409518C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	436436	5238611	285	#####	1/1/0001 09:30:00	*Non-detect F	200500532C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323149	285	#####	1/1/0001 09:55:00	*Non-detect F	200501972C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	196981	446066	5368521	285	#####	1/1/0001 15:50:00	*Non-detect F	200505841C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	198798	448341	5397684	285	#####	1/1/0001 14:10:00	*Non-detect F	200508302C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	200032	455366	5465966	285	#####	1/1/0001 11:25:00	*Non-detect F	200600432C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	165297	382824	4267916	285	#####	1/1/0001 12:45:00	*Non-detect F	200603175C	4	Lead	3	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	169492	389845	4374535	301	#####	12/1/2001 9:30	*Non-detect F	200102808C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	170894	391431	4399187	301	#####	3/1/2002 15:04	*Non-detect F	200106238C	4	Mercury	0.2	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	168349	393103	4434493	301	#####	4/1/2002 8:49	*Non-detect F	200108600C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	173568	394831	4480978	301	#####	4/1/2002 12:30	*Non-detect F	200200667C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	175584	400610	4637223	301	#####	5/1/2002 10:00	*Non-detect F	200202599C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	177863	403619	4690306	301	#####	10/1/2002 12:00	*Non-detect F	200205342C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	179758	407891	4764146	301	#####	1/1/0001 14:05:00	*Non-detect F	200208855C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	183081	415662	4892369	301	#####	1/1/0001 14:15:00	*Non-detect F	200300163C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	186323	421347	4992915	301	#####	1/1/0001 11:45:00	*Non-detect F	200306137C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	190346	431496	5166770	301	#####	1/1/0001 13:15:00	*Non-detect F	200400179C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	434754	5215224	301	#####	1/1/0001 12:45:00	*Non-detect F	200409518C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	436436	5238614	301	#####	1/1/0001 09:30:00	*Non-detect F	200500532C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323152	301	#####	1/1/0001 09:55:00	*Non-detect F	200501972C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	196981	446066	5368524	301	#####	1/1/0001 15:50:00	*Non-detect F	200505841C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	198798	448341	5397687	301	#####	1/1/0001 14:10:00	*Non-detect F	200508302C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	200032	455366	5465969	301	#####	1/1/0001 11:25:00	*Non-detect F	200600432C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	203685	458655	5516905	301	#####	1/1/0001 12:45:00	*Non-detect F	200603175C	4	Mercury	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	165297	382824	4267921	438	#####	12/1/2001 9:30	1.5 F	200102808C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	169492	389845	4374533	438	#####	3/1/2002 15:04	*Non-detect F	200106238C	4	Selenium	1	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	170894	391431	4399192	438	#####	4/1/2002 8:49	1.3 F	200108600C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	168349	393103	4434498	438	#####	4/1/2002 12:30	1.2 F	200200667C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	173568	394831	4480982	438	#####	5/1/2002 10:00	1.4 F	200202599C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	175584	400610	4637230	438	#####	10/1/2002 12:00	1.3 F	200205342C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	177863	403619	4690313	438	#####	1/1/0001 14:05:00	1.2 F	200208855C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	179758	407891	4764153	438	#####	1/1/0001 14:15:00	1.5 F	200300163C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	183081	415662	4892373	438	#####	1/1/0001 11:45:00	1.1 F	200306137C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	186323	421347	4992919	438	#####	1/1/0001 12:00:00	1.3 F	200400179C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	190346	431496	5166750	438	#####	1/1/0001 13:15:00	1.39 F	200405717C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	434754	5215228	438	#####	1/1/0001 12:45:00	4.47 F	200409518C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	436436	5238618	438	#####	1/1/0001 09:30:00	1.7 F	200500532C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323155	438	#####	1/1/0001 09:55:00	1.55 F	200501972C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	196981	446066	5368527	438	#####	1/1/0001 15:50:00	1.42 F	200505841C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	198798	448341	5397690	438	#####	1/1/0001 14:10:00	1.45 F	200508302C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	200032	455366	5465972	438	#####	1/1/0001 11:25:00	1.47 F	200600432C	4	Selenium	0.2	Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	203685	458655	5516908	438	#####	1/1/0001 12:45:00	1.29 F	200603175C	4	Selenium	0.2	Dissolved

BUTTERFIELD CK. AT MOUTH OF CA	4994440	165297	382824	4267918	11797	#####	12/1/2001 9:30	458 F	200102806 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	169492	389845	4374541	11797	#####	3/1/2002 15:04	636 F	200106236 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	170894	391431	4399189	11797	#####	4/1/2002 8:49	766 F	200108600 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	168349	393103	4434495	11797	#####	4/1/2002 12:30	536 F	200200667 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	173568	394831	4480979	11797	#####	5/1/2002 10:00	608 F	200202595 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	175584	400610	4637225	11797	#####	10/1/2002 12:00	546 F	200205342 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	177863	403619	4690308	11797	#####	1/1/0001 14:05:00	648 F	200208855 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	179758	407891	4764148	11797	#####	1/1/0001 14:15:00	570 F	200300166 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	183081	415652	4892387	11797	#####	1/1/0001 11:45:00	562 F	200306137 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	186323	421347	4992933	11797	#####	1/1/0001 12:00:00	556 F	200400175 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	190346	431496	5166771	11797	#####	1/1/0001 13:15:00	582 F	200405717 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	191693	432240	5180154	11797	#####	1/1/0001 12:40:00	568 F	200407022 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192348	433400	5195799	11797	#####	1/1/0001 13:05:00	624 F	200408012 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	434754	5215238	11797	#####	1/1/0001 12:45:00	644 F	200409518 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193258	435186	5222335	11797	#####	1/1/0001 12:15:00	608 F	200410145 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	436436	5238628	11797	#####	1/1/0001 09:30:00	538 F	200500532 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194207	437102	5245792	11797	#####	1/1/0001 15:40:00	544 F	200501093 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194694	440929	5291382	11797	#####	1/1/0001 14:00:00	530 F	200501532 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	532054	11797	#####	1/1/0001 09:55:00	416 F	200502224 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	443136	5326528	11797	#####	1/1/0001 13:55:00	69.3 F	200502553 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195209	4433720	5336458	11797	#####	1/1/0001 14:50:00	134.7 F	200502746 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195293	4433720	5336458	11797	#####	1/1/0001 14:50:00	134.7 F	200502746 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195505	443874	5339512	11797	#####	1/1/0001 14:15:00	450 F	200503120 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195293	443720	5336464	11797	#####	1/1/0001 13:55:00	366 F	200502555 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	442968	532054	11797	#####	1/1/0001 11:20:00	476 F	200501972 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323165	11797	#####	1/1/0001 09:55:00	366 F	200502224 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	443136	5326534	11797	#####	1/1/0001 13:55:00	416 F	200501972 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195209	4433720	5336464	11797	#####	1/1/0001 14:50:00	338 F	200502746 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195505	443874	5339512	11797	#####	1/1/0001 14:15:00	450 F	200503120 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195293	443720	5336464	11797	#####	1/1/0001 13:55:00	366 F	200502555 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	442968	532054	11797	#####	1/1/0001 09:55:00	416 F	200501972 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323165	11797	#####	1/1/0001 11:20:00	476 F	200501972 mg/l	4 Solids, Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	443136	5326528	11797	#####	1/1/0001 13:55:00	69.3 F	200502553 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195209	4433720	5336458	11797	#####	1/1/0001 14:50:00	134.7 F	200502746 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195293	4433720	5336458	11797	#####	1/1/0001 14:50:00	134.7 F	200502746 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195505	443874	5339506	11797	#####	1/1/0001 14:15:00	62.8 F	200503120 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195297	382824	4267929	11797	#####	12/1/2001 9:30	8 F	200102806 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	169492	389845	4374545	11797	#####	3/1/2002 15:04	8 F	200106236 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	170894	391431	4399200	11797	#####	4/1/2002 8:49	4 F	200108600 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	168349	393103	4434506	11797	#####	4/1/2002 12:30	4 F	200200667 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	173568	394831	4480990	11797	#####	5/1/2002 10:00	4 F	200202595 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	175584	400610	4637242	11797	#####	10/1/2002 12:00	4 F	200205342 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	177863	403619	4690325	11797	#####	1/1/0001 14:05:00	648 F	200208855 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	179758	407891	4764145	11797	#####	1/1/0001 14:15:00	570 F	200300166 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	183081	415652	4892388	11797	#####	1/1/0001 11:45:00	562 F	200306137 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	186323	421347	4992934	11797	#####	1/1/0001 12:00:00	556 F	200400175 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	190346	431496	5166779	11797	#####	1/1/0001 13:15:00	41.6 F	200405717 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	191693	432240	5180162	11797	#####	1/1/0001 12:40:00	107.2 F	200407022 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192348	433400	5195793	11797	#####	1/1/0001 13:05:00	14.4 F	200408012 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	434754	5215231	11797	#####	1/1/0001 12:45:00	14.4 F	200409518 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193258	435186	5222329	11797	#####	1/1/0001 12:15:00	24.8 F	200410145 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	436436	5238621	11797	#####	1/1/0001 09:30:00	18.4 F	200500532 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194207	437102	5245786	11797	#####	1/1/0001 15:40:00	37.6 F	200501093 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194694	440929	5291376	11797	#####	1/1/0001 14:00:00	28.8 F	200501532 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323158	11797	#####	1/1/0001 09:55:00	70.4 F	200501972 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	443136	5326528	11797	#####	1/1/0001 11:20:00	94.4 F	200502224 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195209	4433720	5336458	11797	#####	1/1/0001 13:55:00	69.3 F	200502553 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195293	4433720	5336458	11797	#####	1/1/0001 14:50:00	134.7 F	200502746 mg/l	4 Solids, Total Suspended (TSS)
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195505	443874	5339506	11797	#####	1/1/0001 14:15:00	62.8 F	200503120 mg/l	4 Solids, Total Suspended (TSS)

BUTTERFIELD CK. AT MOUTH OF CA	4994440	195631	444010	5341457	456	#####	1/1/0001 14:00:00	60.8 F	20050354C mg/l	4 Solids, Total Suspended (TSS)	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195841	444419	5345641	456	#####	1/1/0001 10:20:00	9.2 F	200503951 mg/l	4 Solids, Total Suspended (TSS)	30 Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	196981	446066	5368530	456	#####	1/1/0001 15:50:00	5.6 F	200505841 mg/l	4 Solids, Total Suspended (TSS)	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	198798	448341	5397693	456	#####	1/1/0001 14:10:00	4 F	200508392 mg/l	4 Solids, Total Suspended (TSS)	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	200032	453366	5465975	456	#####	1/1/0001 11:25:00	16.4 F	200600432 mg/l	4 Solids, Total Suspended (TSS)	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	203685	458655	5516911	456	#####	1/1/0001 12:45:00	36 F	200603175 mg/l	4 Solids, Total Suspended (TSS)	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	165297	382824	4267920	545	#####	12/1/2001 9:30	*Non-detect F	200102808C	4 Zinc	30 Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	169492	389845	4374532	545	#####	3/1/2002 15:04	*Non-detect F	200106238C	4 Zinc	30 Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	170894	391431	4399191	545	#####	4/1/2002 8:49	*Non-detect F	200108600C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	168349	393103	4434497	545	#####	4/1/2002 12:30	38.2 F	200200667 ug/l	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	173568	394831	4480981	545	#####	5/1/2002 10:00	*Non-detect F	200202599C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	175584	400610	4637227	545	#####	10/1/2002 12:00	*Non-detect F	200205342C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	177863	403619	4690310	545	#####	1/1/0001 14:05:00	*Non-detect F	200208855C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	179758	407891	4764150	545	#####	1/1/0001 14:15:00	53.6 F	200300165 ug/l	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	183081	415652	4892371	545	#####	1/1/0001 11:45:00	*Non-detect F	200306137C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	186323	421347	4992917	545	#####	1/1/0001 12:00:00	*Non-detect F	200400179C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	190346	431496	5166748	545	#####	1/1/0001 13:15:00	*Non-detect F	200405717C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	434754	5215234	545	#####	1/1/0001 12:45:00	*Non-detect F	200409518C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	436436	5238624	545	#####	1/1/0001 09:30:00	*Non-detect F	200500532C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323161	545	#####	1/1/0001 09:55:00	*Non-detect F	200501972C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	196981	446066	5368531	545	#####	1/1/0001 15:50:00	55.7 F	200505841 ug/l	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	198798	448341	5397694	545	#####	1/1/0001 14:10:00	*Non-detect F	200508392C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	200032	455366	5465976	545	#####	1/1/0001 11:25:00	41.2 F	200600432 ug/l	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	203685	458655	5516912	545	#####	1/1/0001 12:45:00	*Non-detect F	200603175C	4 Zinc	30 Dissolved
BUTTERFIELD CK. AT MOUTH OF CA	4994440	165297	377539	4160716	1	#####	5/1/2001 9:26	8.18 F	9882001 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	169492	386052	4335914	1	#####	3/1/2002 15:01	8.3 F	34912001 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	170894	387700	4346229	1	#####	3/1/2002 8:46	8.33 F	52082001 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	168349	384691	4311309	1	#####	2/1/2002 12:36	8.57 F	942002 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	173568	393512	4443460	1	#####	5/1/2002 10:09	8.69 F	18922002 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	175584	396733	4544558	1	#####	7/1/2002 11:10	8.26 F	35632002 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	177863	400466	4634610	1	#####	10/1/2002 14:03	8.47 F	60362002 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	179758	404188	4701513	1	#####	1/1/0001 14:15:00	8.3 F	3612003 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	183081	412264	4842012	1	#####	1/1/0001 11:51:00	8.27 F	39472003 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	186323	419217	4964600	1	#####	1/1/0001 11:50:00	8.39 F	972004 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	190346	427242	5113276	1	#####	1/1/0001 13:14:00	8.26 F	44472004 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	191693	430843	5158553	1	#####	1/1/0001 12:32:00	8.27 F	57742004 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	191693	431496	5166777	1	#####	1/1/0001 13:15:00	8.27 F	200405717 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192348	432240	5180160	1	#####	1/1/0001 12:40:00	8.27 F	200407023 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192348	433400	5195779	1	#####	1/1/0001 13:05:00	7.93 F	200408012 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	433122	5192958	1	#####	1/1/0001 13:07:00	8.47 F	66762004 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	192677	434754	5215205	1	#####	1/1/0001 12:42:00	8.34 F	70092004 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193258	435186	5222315	1	#####	1/1/0001 12:45:00	8.49 F	200409518 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193258	433931	5202313	1	#####	1/1/0001 12:18:10	8.19 F	78602004 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	436436	5238595	1	#####	1/1/0001 09:30:00	8.59 F	200500532 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	193778	435052	5220116	1	#####	1/1/0001 09:31:44	8.41 F	2062005 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194207	437102	5245772	1	#####	1/1/0001 15:40:00	8.03 F	200501093 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194207	435988	5233287	1	#####	1/1/0001 15:46:59	8.66 F	5512005 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194694	440929	5291363	1	#####	1/1/0001 14:00:00	8.46 F	200501532 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194694	436704	5242876	1	#####	1/1/0001 14:49:36	8.48 F	9972005 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	442968	5323133	1	#####	1/1/0001 09:55:00	8.53 F	200501972 None	4 pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194833	436843	5243656	1	#####	1/1/0001 09:57:47	8.54 F	13802005 None	4 pH	Total

BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	436941	5244216	1	#####	1/1/0001 11:16:29	8.37	F	14422005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	194926	442906	5322035	1	#####	1/1/0001 11:20:00	8.58	F	200502224	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195209	437419	5252200	1	#####	1/1/0001 13:53:50	8.49	F	15442005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195209	443136	5326515	1	#####	1/1/0001 13:55:00	8.43	F	20050255C	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195293	443720	5336445	1	#####	1/1/0001 14:50:00	8.54	F	20050274E	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195293	438141	5255414	1	#####	1/1/0001 14:54:02	8.51	F	16692005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195505	443874	5339493	1	#####	1/1/0001 14:15:00	8.6	F	20050312C	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195505	438364	5256790	1	#####	1/1/0001 14:19:21	8.36	F	22552005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195631	444010	5341444	1	#####	1/1/0001 14:00:00	8.61	F	20050354C	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195631	438557	5259087	1	#####	1/1/0001 14:07:31	8.45	F	24742005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195841	444419	5345628	1	#####	1/1/0001 10:20:00	8.6	F	200503951	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	195841	438934	5265701	1	#####	1/1/0001 10:23:49	8.65	F	28962005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	196981	441596	5304273	1	#####	1/1/0001 15:51:50	7.86	F	52442005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	198798	446383	5374083	1	#####	1/1/0001 13:59:40	7.61	F	80012005	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	200032	449112	5408803	1	#####	1/1/0001 11:36:41	8.03	F	2852006	None	4	pH	Total
BUTTERFIELD CK. AT MOUTH OF CA	4994440	203685	457142	5489674	1	#####	1/1/0001 12:37:07	8.33	F	36832006	None	4	pH	Total

O10 Storet Data

name	identificatorstsvst_is	tsrfact_is	tsrsult_is	tsrchar_is	arrival_data	start_time	value	text	status	id_code	short_form	id_code	display_na	min_detect	max_quant	min_quant	field_value
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268464	29	#####	12/1/2001 10:01	28.5 F		200102812C	ugl/	200102812C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375230	29	#####	3/1/2002 14:17	15.8 F		200106242C	ugl/	200106242C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399602	29	#####	4/1/2002 9:17	17.7 F		200108599C	ugl/	200108599C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413369	29	#####	4/1/2002 14:30	16.6 F		200110152C	ugl/	200110152C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434969	29	#####	4/1/2002 12:00	17.1 F		200200671C	ugl/	200200671C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456755	29	#####	5/1/2002 9:15	15.8 F		200201602C	ugl/	200201602C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508136	29	#####	6/1/2002 10:30	*Non-detec F		200202610C	ugl/	200202610C	4 Arsenic			5 Total	
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597009	29	#####	8/1/2002 9:15	16.4 F		200204059C	ugl/	200204059C	4 Arsenic				Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637869	29	#####	10/1/2002 12:15	16 F		200205347C	ugl/	200205347C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690561	29	#####	1/1/2002 14:23:00	33 F		200208859C	ugl/	200208859C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764421	29	#####	1/1/2002 13:50:00	22.5 F		200300165C	ugl/	200300165C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764434	29	#####	1/1/2002 11:30:00	12 F		200301114C	ugl/	200301114C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892897	29	#####	1/1/2002 11:30:00	18.7 F		200306140C	ugl/	200306140C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917884	29	#####	1/1/2001 11:00:00	*Non-detec F		200307518C	ugl/	200307518C	4 Arsenic			25 Total	
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027841	29	#####	1/1/2001 12:25:00	18 F		200401658C	ugl/	200401658C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151557	29	#####	1/1/2001 12:50:00	11.7 F		200405720C	ugl/	200405720C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180308	29	#####	1/1/2001 12:15:00	12 F		200407025C	ugl/	200407025C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186844	29	#####	1/1/2001 12:55:00	12.1 F		200408021C	ugl/	200408021C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203188	29	#####	1/1/2001 13:40:00	15.7 F		200409515C	ugl/	200409515C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426588	29	#####	1/1/2001 10:10:00	11.4 F		200506155C	ugl/	200506155C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397643	29	#####	1/1/2001 13:30:00	15.1 F		200508305C	ugl/	200508305C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520168	29	#####	1/1/2001 16:00:00	14.1 F		200600436C	ugl/	200600436C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	458750	5519289	29	#####	1/1/2001 12:25:00	12.8 F		200601790C	ugl/	200601790C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506822	29	#####	1/1/2001 12:20:00	9.4 F		200603178C	ugl/	200603178C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5579785	29	#####	1/1/2001 12:30:00	8.19 F		200605690C	ugl/	200605690C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	464480	5593216	29	#####	1/1/2001 12:00:00	10.8 F		200608132C	ugl/	200608132C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612808	29	#####	1/1/2001 09:00:00	10.3 F		200608911C	ugl/	200608911C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786102	29	#####	1/1/2001 10:35:00	10.1 F		200700641C	ugl/	200700641C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	476940	5783764	29	#####	1/1/2001 13:15:00	10.4 F		200701251C	ugl/	200701251C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	477100	5787209	29	#####	1/1/2001 10:10:00	8.58 F		200703733C	ugl/	200703733C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814450	29	#####	1/1/2001 10:15:00	8.79 F		200704807C	ugl/	200704807C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831419	29	#####	1/1/2001 10:30:00	10.5 F		200706716C	ugl/	200706716C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838434	29	#####	1/1/2001 10:25:00	8.71 F		200707831C	ugl/	200707831C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482562	5864923	29	#####	1/1/2001 09:30:00	10.1 F		200800245C	ugl/	200800245C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894877	29	#####	1/1/2001 14:20:00	8.07 F		200802033C	ugl/	200802033C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918155	29	#####	1/1/2001 12:35:00	7.92 F		200803374C	ugl/	200803374C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968161	29	#####	1/1/2001 12:50:00	6.34 F		200805797C	ugl/	200805797C	4 Arsenic				Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268463	74	#####	12/1/2001 10:01	*Non-detec F		200102812C	ugl/	200102812C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375229	74	#####	3/1/2002 14:17	*Non-detec F		200106242C	ugl/	200106242C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399601	74	#####	4/1/2002 9:17	*Non-detec F		200108599C	ugl/	200108599C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413368	74	#####	4/1/2002 14:30	*Non-detec F		200110152C	ugl/	200110152C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434968	74	#####	4/1/2002 12:00	*Non-detec F		200200671C	ugl/	200200671C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456754	74	#####	5/1/2002 9:15	*Non-detec F		200201602C	ugl/	200201602C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508135	74	#####	6/1/2002 10:30	*Non-detec F		200202610C	ugl/	200202610C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597008	74	#####	8/1/2002 9:15	*Non-detec F		200204059C	ugl/	200204059C	4 Cadmium				1 Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637868	74	#####	10/1/2002 12:15	*Non-detec F		200205347C	ugl/	200205347C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690560	74	#####	1/1/2001 14:23:00	*Non-detec F		200208859C	ugl/	200208859C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764420	74	#####	1/1/2001 13:50:00	*Non-detec F		200300165C	ugl/	200300165C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764433	74	#####	1/1/2001 11:30:00	*Non-detec F		200301114C	ugl/	200301114C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892896	74	#####	1/1/2001 11:30:00	*Non-detec F		200306140C	ugl/	200306140C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917883	74	#####	1/1/2001 11:00:00	*Non-detec F		200307518C	ugl/	200307518C	4 Cadmium				1 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027842	74	#####	1/1/2001 12:50:00	*Non-detec F		200401658C	ugl/	200401658C	4 Cadmium				2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151556	74	#####	1/1/2001 12:50:00	*Non-detec F		200405720C	ugl/	200405720C	4 Cadmium				2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180307	74	#####	1/1/2001 12:15:00	*Non-detec F		200407025C	ugl/	200407025C	4 Cadmium				2 Total

KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186843	74	#####	1/1/0001 12:55:00	*Non-detect F	200408021C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203189	74	#####	1/1/0001 13:40:00	*Non-detect F	200409515C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426589	74	#####	1/1/0001 10:10:00	*Non-detect F	200506155C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397644	74	#####	1/1/0001 13:30:00	*Non-detect F	200508305C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520169	74	#####	1/1/0001 16:00:00	*Non-detect F	200600436C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	458750	5519290	74	#####	1/1/0001 12:25:00	*Non-detect F	200601790C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506823	74	#####	1/1/0001 12:20:00	*Non-detect F	200603178C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5579787	74	#####	1/1/0001 12:00:00	*Non-detect F	200605690C	4	Cadmium	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	464480	5593218	74	#####	1/1/0001 12:00:00	*Non-detect F	200608132C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612810	140	#####	1/1/0001 09:00:00	*Non-detect F	200608911C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786104	140	#####	1/1/0001 10:35:00	*Non-detect F	200700641C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	476940	5783766	140	#####	1/1/0001 13:15:00	*Non-detect F	200701251C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	477100	5787211	140	#####	1/1/0001 10:10:00	*Non-detect F	200703733C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814452	140	#####	1/1/0001 10:15:00	4.23 F	200704807C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831429	140	#####	1/1/0001 10:30:00	1.13 F	200706716C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838436	140	#####	1/1/0001 10:25:00	*Non-detect F	200707831C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482562	5864924	140	#####	1/1/0001 09:30:00	*Non-detect F	20080245C	4	Cadmium	4 Cadmium
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894878	74	#####	1/1/0001 14:20:00	*Non-detect F	200802033C	4	Cadmium	4 Cadmium
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918156	74	#####	1/1/0001 12:35:00	*Non-detect F	200803374C	4	Cadmium	4 Cadmium
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968162	74	#####	1/1/0001 12:50:00	*Non-detect F	200805797C	4	Cadmium	4 Cadmium
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268462	140	#####	12/1/2001 10:01	*Non-detect F	200102812C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375228	140	#####	3/1/2002 14:17	*Non-detect F	200106242C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399600	140	#####	4/1/2002 9:17	*Non-detect F	200108599C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413367	140	#####	4/1/2002 14:30	*Non-detect F	200110152C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434967	140	#####	4/1/2002 12:00	*Non-detect F	200200671C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456753	140	#####	5/1/2002 9:15	*Non-detect F	200201602C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508134	140	#####	6/1/2002 10:30	*Non-detect F	200202610C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597007	140	#####	8/1/2002 9:15	*Non-detect F	200204059C	4	Copper	12 Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637867	140	#####	10/1/2002 12:15	*Non-detect F	200205347C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690559	140	#####	1/1/0001 14:23:00	*Non-detect F	200208859C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764419	140	#####	1/1/0001 13:50:00	*Non-detect F	200300165C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764432	140	#####	1/1/0001 11:30:00	*Non-detect F	200301114C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892895	140	#####	1/1/0001 11:30:00	*Non-detect F	200306140C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917882	140	#####	1/1/0001 11:00:00	*Non-detect F	200307518C	4	Copper	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027843	140	#####	1/1/0001 11:00:00	*Non-detect F	200401658C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151555	140	#####	1/1/0001 12:50:00	*Non-detect F	200405720C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180306	140	#####	1/1/0001 12:15:00	*Non-detect F	200407025C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186842	140	#####	1/1/0001 12:55:00	*Non-detect F	200408021C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203190	140	#####	1/1/0001 13:40:00	*Non-detect F	200409515C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426590	140	#####	1/1/0001 10:10:00	*Non-detect F	200506155C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397645	140	#####	1/1/0001 13:30:00	*Non-detect F	200508305C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520170	140	#####	1/1/0001 16:00:00	*Non-detect F	200600436C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	458750	5519291	140	#####	1/1/0001 12:25:00	*Non-detect F	200601790C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506824	140	#####	1/1/0001 12:20:00	*Non-detect F	200603178C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5579787	140	#####	1/1/0001 12:00:00	*Non-detect F	200605690C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	464480	5593218	140	#####	1/1/0001 12:00:00	*Non-detect F	200608132C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612810	140	#####	1/1/0001 09:00:00	*Non-detect F	200608911C	4	Copper	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786104	140	#####	1/1/0001 10:35:00	*Non-detect F	200700641C	4	Copper	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	476940	5783766	140	#####	1/1/0001 13:15:00	*Non-detect F	200701251C	4	Copper	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	477100	5787211	140	#####	1/1/0001 10:10:00	*Non-detect F	200703733C	4	Copper	2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814452	140	#####	1/1/0001 10:15:00	4.23 F	200704807C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831429	140	#####	1/1/0001 10:30:00	1.13 F	200706716C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838436	140	#####	1/1/0001 10:25:00	*Non-detect F	200707831C	4	Copper	4 Copper
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482562	5864924	140	#####	1/1/0001 09:30:00	*Non-detect F	20080245C	4	Cadmium	4 Cadmium
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894878	74	#####	1/1/0001 14:20:00	*Non-detect F	200802033C	4	Cadmium	4 Cadmium
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918156	74	#####	1/1/0001 12:35:00	*Non-detect F	200803374C	4	Cadmium	4 Cadmium
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968162	74	#####	1/1/0001 12:50:00	*Non-detect F	200805797C	4	Cadmium	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268462	140	#####	12/1/2001 10:01	*Non-detect F	200102812C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375228	140	#####	3/1/2002 14:17	*Non-detect F	200106242C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399600	140	#####	4/1/2002 9:17	*Non-detect F	200108599C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413367	140	#####	4/1/2002 14:30	*Non-detect F	200110152C	4	Cadmium	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434967	140	#####	4/1/2002 12:00	*Non-detect F	200200671C	4	Cadmium	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456753	140	#####	5/1/2002 9:15	*Non-detect F	200201602C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508134	140	#####	6/1/2002 10:30	*Non-detect F	200202610C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597007	140	#####	8/1/2002 9:15	*Non-detect F	200204059C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637867	140	#####	10/1/2002 12:15	*Non-detect F	200205347C	4	Cadmium	12 Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690559	140	#####	1/1/0001 14:23:00	*Non-detect F	200208859C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764419	140	#####	1/1/0001 13:50:00	*Non-detect F	200300165C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764432	140	#####	1/1/0001 11:30:00	*Non-detect F	200301114C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892895	140	#####	1/1/0001 11:30:00	*Non-detect F	200306140C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917882	140	#####	1/1/0001 11:00:00	*Non-detect F	200307518C	4	Cadmium	12 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027843	140	#####	1/1/0001 11:00:00	*Non-detect F	200401658C	4	Cadmium	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151555	140	#####	1/1/0001 12:50:00	*Non-detect F	200405720C	4	Cadmium	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180306	140	#####	1/1/0001 12:15:00	*Non-detect F	200407025C	4	Cadmium	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186842	140	#####	1/1/0001 12:55:00	*Non-detect F	200408021C	4	Cadmium	24 Total
KENNECOTT 010 BUTTERFIELD TUNNEL												

KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918157	140	#####	1/1/0001 12:35:00	*Non-detect F		200803374C	4	Copper	2	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968163	140	#####	1/1/0001 12:50:00	*Non-detect F		200805797C	4	Copper	2	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	377580	4160982	239	#####	5/1/2001 9:59	0.41 F		9902001 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	386095	4336156	239	#####	3/1/2002 14:13	1.5 F		35352001 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	388381	4351708	239	#####	3/1/2002 14:25	280 F		60062001 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	384732	4311496	239	#####	2/1/2002 12:26	0.32 F		932002 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	387033	4342292	239	#####	3/1/2002 9:10	145 F		10172002 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	393550	4443698	239	#####	5/1/2002 10:31	200 F		18932002 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	395138	4493535	239	#####	6/1/2002 9:14	0.31 F		26142002 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	396737	4544582	239	#####	7/1/2002 11:20	0.31 F		35642002 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	400470	4634628	239	#####	10/1/2002 14:08	0.14 F		60372002 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	404190	4701525	239	#####	1/1/0001 14:00:00	0.31 F		3592003 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	405489	4724975	239	#####	1/1/0001 11:34:31	103 F		9382003 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	412268	4842030	239	#####	1/1/0001 11:26:00	100 F		39512003 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	413630	4859297	239	#####	1/1/0001 11:15:00	0.175 F		49582003 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	421521	4994559	239	#####	1/1/0001 11:21:00	100 F		13542004 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	427246	5113294	239	#####	1/1/0001 12:59:00	0.23 F		44452004 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	430892	5158855	239	#####	1/1/0001 12:16:00	85 F		57732004 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432398	5181667	239	#####	1/1/0001 12:57:00	85 F		66752004 g/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	433183	5193344	239	#####	1/1/0001 13:28:00	0.175 F		70112004 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	441817	5306083	239	#####	1/1/0001 10:11:26	0.47 F		54572005 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	446385	5374105	239	#####	1/1/0001 13:28:52	1.5 F		79992005 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	449114	5408821	239	#####	1/1/0001 15:58:18	103 F		2832006 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	451838	5439668	239	#####	1/1/0001 12:23:45	0.29 F		9312006 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	457144	5489692	239	#####	1/1/0001 12:21:31	0.8 F		36812006 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	459819	5533460	239	#####	1/1/0001 12:32:00	90 F		55722006 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	462626	5572618	239	#####	1/1/0001 12:12:02	0.16 F		67602006 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	463716	5587907	239	#####	1/1/0001 09:01:42	72 F		77352006 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	468684	5664396	239	#####	1/1/0001 10:35:00	75 F		3912007 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	469137	5673926	239	#####	1/1/0001 13:11:50	80 F		6532007 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	472590	5723383	239	#####	1/1/0001 10:22:02	78 F		27672007 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	474218	5750141	239	#####	1/1/0001 10:17:51	0.24 F		45412007 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	474602	5753739	239	#####	1/1/0001 10:42:42	78 F		50092007 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	474956	5755855	239	#####	1/1/0001 10:23:19	0.162 F		56682007 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	479265	5821927	239	#####	1/1/0001 09:35:30	83 F		4112008 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	483671	5876594	239	#####	1/1/0001 14:15:13	88 F		17842008 gal/min	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	484840	5888253	239	#####	1/1/0001 12:38:04	0.149 F		31152008 mgd	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	486896	5914038	239	#####	1/1/0001 12:55:14	0.137 F		52262008 cfs	4	Flow		
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268461	279	#####	12/1/2001 10:01	0.156 F		200102812C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375227	279	#####	3/1/2002 14:17	8.9 F		200106242C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399599	279	#####	4/1/2002 9:17	*Non-detect F		200108599C	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413366	279	#####	4/1/2002 14:30	*Non-detect F		200110152C	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434966	279	#####	4/1/2002 12:00	*Non-detect F		200200671C	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456752	279	#####	5/1/2002 9:15	*Non-detect F		200201602C	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508133	279	#####	6/1/2002 10:30	*Non-detect F		200202610C	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597006	279	#####	8/1/2002 9:15	*Non-detect F		200204059C	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637866	279	#####	10/1/2002 12:15	*Non-detect F		200205347C	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764418	279	#####	1/1/0001 13:50:00	0.197 F		200300165C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892898	279	#####	1/1/0001 11:30:00	0.0729 F		200306140C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151558	279	#####	1/1/0001 12:50:00	0.0544 F		200405720C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203191	279	#####	1/1/0001 13:40:00	1.09 F		200409515C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426591	279	#####	1/1/0001 10:10:00	0.116 F		200506155C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397646	279	#####	1/1/0001 13:30:00	0.171 F		200508305C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520171	279	#####	1/1/0001 16:00:00	0.181 F		200600436C mg/l	4	Iron		Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506825	279	#####	1/1/0001 12:20:00	0.0696 F		200603178C mg/l	4	Iron		Total

KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5579788	279	#####	1/1/0001 12:30:00	0.0503 F	200605690C	mg/l	4 Iron	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612811	279	#####	1/1/0001 09:00:00	0.0775 F	200608911C	mg/l	4 Iron	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786105	279	#####	1/1/0001 10:35:00	0.0935 F	200700641C	mg/l	4 Iron	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814453	279	#####	1/1/0001 10:15:00	0.0534 F	200704807C	mg/l	4 Iron	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831431	279	#####	1/1/0001 10:30:00	46.3 F	200706716C	ug/l	4 Iron	Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838437	279	#####	1/1/0001 10:25:00	0.0541 F	200707831C	mg/l	4 Iron	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482562	5864926	279	#####	1/1/0001 09:30:00	0.073 F	200800245C	mg/l	4 Iron	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894880	279	#####	1/1/0001 14:20:00	0.0345 F	200802033C	mg/l	4 Iron	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268460	285	#####	12/1/2001 10:01	*Non-detect F	200102812C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375226	285	#####	3/1/2002 14:17	*Non-detect F	200106242C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399598	285	#####	4/1/2002 9:17	*Non-detect F	200108599C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413365	285	#####	4/1/2002 14:30	*Non-detect F	200110152C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434965	285	#####	4/1/2002 12:00	*Non-detect F	200200671C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456751	285	#####	5/1/2002 9:15	*Non-detect F	200201602C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508132	285	#####	6/1/2002 10:30	*Non-detect F	200202610C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597005	285	#####	8/1/2002 9:15	6.9 F	200204059C	ug/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637865	285	#####	10/1/2002 12:15	*Non-detect F	200205347C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690558	285	#####	1/1/0001 14:23:00	*Non-detect F	200208859C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764417	285	#####	1/1/0001 13:50:00	*Non-detect F	200300165C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764431	285	#####	1/1/0001 11:30:00	*Non-detect F	200301114C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892894	285	#####	1/1/0001 11:30:00	*Non-detect F	200306140C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917881	285	#####	1/1/0001 11:00:00	*Non-detect F	200307518C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027844	285	#####	1/1/0001 11:00:00	*Non-detect F	200401658C	mg/l	4 Lead	3 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151554	285	#####	1/1/0001 12:50:00	*Non-detect F	200405720C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180305	285	#####	1/1/0001 12:50:00	*Non-detect F	200407025C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186841	285	#####	1/1/0001 12:55:00	*Non-detect F	200408021C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203192	285	#####	1/1/0001 13:40:00	*Non-detect F	200409515C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426592	285	#####	1/1/0001 10:10:00	*Non-detect F	200506155C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397647	285	#####	1/1/0001 13:30:00	*Non-detect F	200508305C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520172	285	#####	1/1/0001 16:00:00	*Non-detect F	200600436C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	458750	5519292	285	#####	1/1/0001 12:25:00	*Non-detect F	200601790C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506826	285	#####	1/1/0001 12:20:00	*Non-detect F	200603178C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5579789	285	#####	1/1/0001 12:30:00	*Non-detect F	200605690C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	464480	5593219	285	#####	1/1/0001 12:30:00	*Non-detect F	200608132C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612812	285	#####	1/1/0001 12:00:00	*Non-detect F	200608132C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786106	285	#####	1/1/0001 09:00:00	*Non-detect F	200608911C	mg/l	4 Lead	6 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	476940	5783767	285	#####	1/1/0001 10:35:00	0.353 F	200700641C	ug/l	4 Lead	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	477100	5787212	285	#####	1/1/0001 13:15:00	0.334 F	200701251C	ug/l	4 Lead	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814454	285	#####	1/1/0001 10:10:00	0.272 F	200703733C	ug/l	4 Lead	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831432	285	#####	1/1/0001 10:15:00	0.287 F	200704807C	ug/l	4 Lead	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838438	285	#####	1/1/0001 10:30:00	0.153 F	200706716C	ug/l	4 Lead	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482562	5864927	285	#####	1/1/0001 10:25:00	*Non-detect F	200707831C	ug/l	4 Lead	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894881	285	#####	1/1/0001 09:30:00	0.293 F	200800245C	ug/l	4 Lead	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918158	285	#####	1/1/0001 14:20:00	0.213 F	200802033C	ug/l	4 Lead	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968164	285	#####	1/1/0001 12:35:00	0.29 F	200805797C	ug/l	4 Lead	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268459	301	#####	12/1/2001 10:01	*Non-detect F	200102812C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375225	301	#####	3/1/2002 14:17	*Non-detect F	200106242C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	391467	4399597	301	#####	4/1/2002 9:17	*Non-detect F	200108599C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	392183	4413364	301	#####	4/1/2002 14:30	*Non-detect F	200110152C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434964	301	#####	4/1/2002 12:00	*Non-detect F	200200671C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456750	301	#####	5/1/2002 9:15	*Non-detect F	200201602C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508131	301	#####	6/1/2002 10:30	*Non-detect F	200202610C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597001	301	#####	8/1/2002 9:15	*Non-detect F	200204059C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637864	301	#####	10/1/2002 12:15	*Non-detect F	200205347C	mg/l	4 Mercury	0.2 Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690557	301	#####	1/1/0001 14:23:00	*Non-detect F	200208859C	mg/l	4 Mercury	0.2 Total

KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399603	11797	#####	4/1/2002 9:17	914 F	200108599C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413370	11797	#####	4/1/2002 14:30	778 F	200110152C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434970	11797	#####	4/1/2002 12:00	768 F	200200671C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456756	11797	#####	5/1/2002 9:15	836 F	200201602C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508137	11797	#####	6/1/2002 10:30	1000 F	200202610C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597002	11797	#####	8/1/2002 9:15	822 F	200204059C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637870	11797	#####	10/1/2002 12:15	784 F	200205347C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690562	11797	#####	1/1/0001 14:23:00	862 F	200208859C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764422	11797	#####	1/1/0001 13:50:00	806 F	200300165C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764435	11797	#####	1/1/0001 11:30:00	818 F	200301114C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892899	11797	#####	1/1/0001 11:30:00	828 F	200306140C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917885	11797	#####	1/1/0001 11:00:00	752 F	200307518C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027849	11797	#####	1/1/0001 11:00:00	796 F	200401658C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151559	11797	#####	1/1/0001 12:50:00	800 F	200405720C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180309	11797	#####	1/1/0001 12:15:00	810 F	200407025C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186845	11797	#####	1/1/0001 12:55:00	864 F	200408021C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203197	11797	#####	1/1/0001 13:40:00	868 F	200409515C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426596	11797	#####	1/1/0001 10:10:00	838 F	200506155C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397651	11797	#####	1/1/0001 13:30:00	872 F	200508305C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520176	11797	#####	1/1/0001 16:00:00	862 F	200600436C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	458750	5519297	11797	#####	1/1/0001 12:25:00	838 F	200601790C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506830	11797	#####	1/1/0001 12:20:00	848 F	200603178C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5579793	11797	#####	1/1/0001 12:30:00	1072 F	200605690C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	464480	5593224	11797	#####	1/1/0001 12:00:00	952 F	200608132C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612816	11797	#####	1/1/0001 09:00:00	940 F	200608911C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786110	11797	#####	1/1/0001 10:35:00	954 F	200700641C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	476940	5783772	11797	#####	1/1/0001 13:15:00	942 F	200701251C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	477100	5787217	11797	#####	1/1/0001 10:10:00	990 F	200703733C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814458	11797	#####	1/1/0001 10:15:00	974 F	200704807C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831445	11797	#####	1/1/0001 10:30:00	900 F	200706716C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838442	11797	#####	1/1/0001 10:25:00	916 F	200707831C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482562	5864931	11797	#####	1/1/0001 09:30:00	996 F	200800245C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894885	11797	#####	1/1/0001 14:20:00	932 F	200802039C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918163	11797	#####	1/1/0001 12:35:00	952 F	200803374C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968169	11797	#####	1/1/0001 12:50:00	938 F	200805797C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268469	456	#####	12/1/2001 10:01	10 F	200102812C	mg/l	4 Solids, Dissolved
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375235	456	#####	3/1/2002 14:17	8 F	200106242C	mg/l	4 Solids, Total Suspended (TSS)
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399607	456	#####	4/1/2002 9:17	6 F	200108599C	mg/l	4 Solids, Total Suspended (TSS)
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413361	456	#####	4/1/2002 14:30	8 F	200110152C	mg/l	4 Solids, Total Suspended (TSS)
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434975	456	#####	4/1/2002 12:00	6 F	200200671C	mg/l	4 Solids, Total Suspended (TSS)
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456760	456	#####	5/1/2002 9:15	*Non-detect	200201602C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508141	456	#####	6/1/2002 10:30	*Non-detect	200202610C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597010	456	#####	8/1/2002 9:15	*Non-detect	200204059C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637874	456	#####	10/1/2002 12:15	*Non-detect	200205347C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690563	456	#####	1/1/0001 14:23:00	*Non-detect	200208859C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764424	456	#####	1/1/0001 13:50:00	*Non-detect	200300165C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764436	456	#####	1/1/0001 11:30:00	*Non-detect	200301114C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892900	456	#####	1/1/0001 11:30:00	*Non-detect	200306140C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917886	456	#####	1/1/0001 11:00:00	*Non-detect	200307518C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027847	456	#####	1/1/0001 11:00:00	*Non-detect	200401658C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151560	456	#####	1/1/0001 12:50:00	*Non-detect	200405720C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180310	456	#####	1/1/0001 12:15:00	*Non-detect	200407025C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186846	456	#####	1/1/0001 12:55:00	*Non-detect	200408021C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203195	456	#####	1/1/0001 13:40:00	*Non-detect	200409515C		4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426594	456	#####	1/1/0001 10:10:00	45.6 F	200506155C	mg/l	4 Solids, Total Suspended (TSS)

KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397649	456	#####	1/1/0001 13:30:00	*Non-detect F	200508305C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520174	456	#####	1/1/0001 16:00:00	*Non-detect F	200600436C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	458750	5519295	456	#####	1/1/0001 12:25:00	*Non-detect F	200601790C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506828	456	#####	1/1/0001 12:20:00	*Non-detect F	200603178C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5597971	456	#####	1/1/0001 12:30:00	*Non-detect F	200605690C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	464480	5593222	456	#####	1/1/0001 12:00:00	*Non-detect F	200608122C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612814	456	#####	1/1/0001 09:00:00	*Non-detect F	200608911C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786108	456	#####	1/1/0001 10:35:00	*Non-detect F	200700641C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	476940	5783770	456	#####	1/1/0001 13:15:00	*Non-detect F	200701251C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	477100	5787215	456	#####	1/1/0001 10:10:00	*Non-detect F	200703733C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814456	456	#####	1/1/0001 10:15:00	*Non-detect F	200704807C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831440	456	#####	1/1/0001 10:30:00	*Non-detect F	200706716C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838440	456	#####	1/1/0001 10:25:00	*Non-detect F	200707831C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482662	5864929	456	#####	1/1/0001 09:30:00	*Non-detect F	200800245C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894883	456	#####	1/1/0001 14:20:00	*Non-detect F	200802033C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918161	456	#####	1/1/0001 12:35:00	*Non-detect F	200803374C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968167	456	#####	1/1/0001 12:50:00	*Non-detect F	200805797C	4 Solids, Total Suspended (TSS)	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	382875	4268457	545	#####	12/1/2001 10:01	133 F	200102812C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	389897	4375223	545	#####	3/1/2002 14:17	108 F	200106242C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	391467	4399595	545	#####	4/1/2002 9:17	121 F	200108599C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	392183	4413362	545	#####	4/1/2002 14:30	109 F	200110152C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	393138	4434973	545	#####	4/1/2002 12:00	93.6 F	200200671C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	393993	4456748	545	#####	5/1/2002 9:15	120 F	200201602C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	395987	4508129	545	#####	6/1/2002 10:30	96.7 F	200202610C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	398183	4597003	545	#####	8/1/2002 9:15	107 F	200204059C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	400645	4637862	545	#####	10/1/2002 12:15	108 F	200205347C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	403646	4690555	545	#####	1/1/0001 14:23:00	159 F	200208859C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	407921	4764425	545	#####	1/1/0001 13:50:00	179 F	200300165C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	407922	4764428	545	#####	1/1/0001 11:30:00	158 F	200301144C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	415684	4892892	545	#####	1/1/0001 11:30:00	141 F	200306140C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	416441	4917879	545	#####	1/1/0001 11:00:00	*Non-detect F	200307518C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	422922	5027848	545	#####	1/1/0001 11:00:00	144 F	200401658C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	430254	5151552	545	#####	1/1/0001 12:50:00	160 F	200405720C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	432252	5180303	545	#####	1/1/0001 12:15:00	169 F	200407025C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432701	5186839	545	#####	1/1/0001 12:55:00	144 F	200408021C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	434052	5203196	545	#####	1/1/0001 13:40:00	174 F	200409515C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	450327	5426595	545	#####	1/1/0001 10:10:00	190 F	200506155C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	448339	5397650	545	#####	1/1/0001 13:30:00	187 F	200508305C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	458785	5520175	545	#####	1/1/0001 16:00:00	217 F	200600436C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	458750	5519296	545	#####	1/1/0001 12:25:00	196 F	200601790C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	458238	5506829	545	#####	1/1/0001 12:20:00	183 F	200603178C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	462989	5597972	545	#####	1/1/0001 12:30:00	186 F	200605690C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	464480	5593223	545	#####	1/1/0001 12:00:00	195 F	200608132C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	465550	5612815	545	#####	1/1/0001 09:00:00	195 F	200608911C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	477054	5786109	545	#####	1/1/0001 10:35:00	214 F	200700641C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	476940	5783771	545	#####	1/1/0001 13:15:00	226 F	200701251C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	477100	5787216	545	#####	1/1/0001 10:10:00	226 F	200703733C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	478723	5814457	545	#####	1/1/0001 10:15:00	224 F	200704807C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831443	545	#####	1/1/0001 10:30:00	203 F	200706716C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	480720	5838441	545	#####	1/1/0001 10:25:00	217 F	200707831C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	482662	5864930	545	#####	1/1/0001 09:30:00	220 F	200800245C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	485677	5894884	545	#####	1/1/0001 14:20:00	190 F	200802033C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	487404	5918162	545	#####	1/1/0001 12:35:00	231 F	200803374C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	490727	5968168	545	#####	1/1/0001 12:50:00	204 F	200805797C	4 Zinc	4
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	165337	377580	4160980	1	#####	5/1/2001 9:59	7.15 F	9902001 None	4 pH	4

130 Total

Dissolved

KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	169534	386095	4336154	1	#####	3/1/2002 14:13	7.65 F	35352001	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170898	387704	4346250	1	#####	3/1/2002 9:15	7.87 F	52102001	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	171545	388381	4351706	1	#####	3/1/2002 14:25	7.9 F	60062001	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	168390	384732	4311494	1	#####	2/1/2002 12:26	7.86 F	932002	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	170296	387033	4342290	1	#####	3/1/2002 9:10	7.56 F	10172002	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	173606	393550	4443696	1	#####	5/1/2002 10:31	8.06 F	18932002	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	174477	395138	4493533	1	#####	6/1/2002 9:14	7.86 F	26142002	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	175588	396737	4544580	1	#####	7/1/2002 11:20	7.7 F	35642002	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	177867	400470	4634626	1	#####	10/1/2002 14:08	7.78 F	60372002	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	179760	404190	4701523	1	#####	1/1/0001 14:00:00	7.9 F	3592003	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	180603	405489	4724973	1	#####	1/1/0001 11:34:31	8.25 F	9382003	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183085	412268	4842028	1	#####	1/1/0001 11:26:00	7.52 F	39512003	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	183788	413630	4859295	1	#####	1/1/0001 11:15:00	7.74 F	49582003	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	187438	421521	4994557	1	#####	1/1/0001 11:21:00	7.76 F	13542004	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	190350	427246	5113292	1	#####	1/1/0001 12:59:00	7.56 F	44452004	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	191742	430892	5158853	1	#####	1/1/0001 12:16:00	7.86 F	57732004	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192396	432398	5181665	1	#####	1/1/0001 12:57:00	8.01 F	66752004	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	192737	433183	5193342	1	#####	1/1/0001 13:28:00	7.88 F	70112004	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	197141	441817	5396079	1	#####	1/1/0001 10:11:26	7.7 F	54572005	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	198800	446385	5374101	1	#####	1/1/0001 13:28:52	7.33 F	79992005	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200034	449114	5408817	1	#####	1/1/0001 15:58:18	7 F	2832006	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	200786	451838	5439664	1	#####	1/1/0001 12:23:45	7.75 F	9312006	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	203687	457144	5489688	1	#####	1/1/0001 12:21:31	7.92 F	36812006	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	204932	459819	5533456	1	#####	1/1/0001 12:32:00	7.69 F	55722006	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	205831	462626	5572614	1	#####	1/1/0001 12:12:02	7.57 F	67602006	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	206358	463716	5587903	1	#####	1/1/0001 09:01:42	7.96 F	77352006	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	207723	468684	5664393	1	#####	1/1/0001 10:35:00	8.2 F	3912007	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	208070	469137	5673922	1	#####	1/1/0001 13:11:50	7.81 F	6532007	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	209534	472590	5723379	1	#####	1/1/0001 10:22:02	8.11 F	27672007	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210528	474218	5750137	1	#####	1/1/0001 10:17:51	7.88 F	45412007	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	479965	5831416	1	#####	1/1/0001 10:30:00	8.49 F	200706716C	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	210865	474602	5753735	1	#####	1/1/0001 10:42:42	7.66 F	50092007	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	211212	474956	5755851	1	#####	1/1/0001 10:23:19	7.67 F	56682007	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	212702	479265	5821923	1	#####	1/1/0001 09:35:30	7.84 F	4112008	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	214359	483671	5876590	1	#####	1/1/0001 14:15:13	7.97 F	17842008	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	215173	484840	5888249	1	#####	1/1/0001 12:38:04	8.08 F	31152008	None	4 pH	Total
KENNECOTT 010 BUTTERFIELD TUNNEL	4999420	216495	486896	5914034	1	#####	1/1/0001 12:55:14	7.69 F	52262008	None	4 pH	Total

From: Kim Shelley
To: Douglas Bacon
Date: 3/10/2009 11:04 AM
Subject: Hi Kim, RE: Middle Canyon Creek

Hi Doug,

DWQ monitored the creek as part of the "Jordan River Intensive" monitoring run. Intensive monitoring runs are when DWQ focuses on a specific watershed and monitors it more frequently in a given time period than it would normally. The Jordan River Intensive run was driven by the river not meeting its beneficial uses.

Middle Canyon Creek isn't technically in the Jordan River watershed but it was included in the run because it hadn't been monitored for some time. Based on the monitoring results the creek is meeting its beneficial use and so no further monitoring was deemed necessary.

Thanks,
Kim

>>> Douglas Bacon 3/9/2009 9:16 AM >>>
Hi Kim,

I am in for a little while today, Monday March 8th. Thanks for the response. Why did DWQ stop monitoring the creek, was there a decision made because of its perceived water quality?

Thanks,
Doug

>>> Kim Shelley 3/5/2009 3:28 PM >>>
Hi Doug,

Thanks for the email. My schedule is pretty crazy next week so here's the short and sweet version just in case we don't connect:

-The last time DWQ monitored Middle Canyon Creek was in 1994. If you would like the data just let me know and I can pull it. I am not aware of any other agency that would monitor the creek.

-DWQ doesn't have any info on the irrigation company. Sorry. Because it is a water rights issue, I would assume that DNR would have approved/reviewed the contract. Maybe they have contact info? Good luck!

If you need more info just let me know.

Best,
Kim

>>> Douglas Bacon 3/5/2009 12:44 PM >>>
Hi Kim,

Thanks for returning my call. Unfortunately I have run out of time today, so could I follow up with you either Wednesday or Thursday next week?

Have a great weekend,
Doug

From: Kim Shelley
To: Douglas Bacon
Date: 3/3/2009 4:06 PM
Subject: Compliance history for Kennecott Outfall 009, Pine Canyon Creek

Hi Doug,

Kennecott has maintained compliance with UDPES permit conditions for its 009 Outfall, Pine Canyon Tunnel, since 2001.

Please let me know if you need anything else.

Thanks,
Kim