



# Rio Algom

Rio Algom Mining Corp.  
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**Certified Mail - 7099 3220 0002 1632 0448**  
**Return Receipt Requested**

January 16, 2001

Mr. Steve Ingle  
WDEQ/LQD  
Herschler Building  
122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

**RE: 4<sup>th</sup> Quarter 2000 MIT/Water Quality Report**  
**Permit to Mine 633**  
**NRC License SUA-1548, Docket 40-8964**

Dear Mr. Ingle:

Please find attached the MIT/Water Quality Report for the 4<sup>th</sup> Quarter of 2000. All results are within the acceptable ranges. During the quarter a total of 58 well MITs were performed with only 2 failures. The failed wells will be plugged and abandoned.

If you have questions regarding this submittal, please feel free to contact me at (307) 358-3744 ext. 62.

Sincerely,

John Cash  
Manager EHS & Regulatory Affairs

xc: Bill Ferdinand - w/attachments  
Marvin Freeman - w/o attachments  
Paul Goranson - w/attachments  
John Mays - w/attachments  
John Lusher - w/attachments (U.S. NRC)  
**Certified Mail-7099 3220 0002 1632 0462**  
Phillip Ting - w/attachments (U.S. NRC)  
**Certified Mail-7099 3220 0002 1632 0455**  
file

*NMSSOIPublic*

QUARTERLY MIT REPORT

10/1/00-12/31/00

WELL NUMBER	MIT DATE	PASS	FAIL	CERTIFICATION	COMMENTS
3I-134	10/24/00	X			WORKOVER
3I-192	12/19/00		X	"	TO PLUG AND ABANDON
4P-282	10/10/00	X		"	
4P-283	10/2/00	X		"	
4I-432	10/9/200	X		"	
4I-433	10/12/00	X		"	
4I-434	10/9/00	X		"	
4I-435	10/13/00	X		"	
4I-438	10/2/00	X		"	
4P-262	12/7/00	X		"	
4P-263	12/1/00	X		"	
4P-264	12/6/00		X	"	TO PLUG AND ABANDON
4P-266	11/22/00	X		"	
4P-267	11/22/00	X		"	
4P-268	11/22/00	X		"	
4P-269	11/21/00	X		"	
4P-270	11/21/00	X		"	
4P-271	11/20/00	X		"	
4P-272	11/21/00	X		"	
4P-273	11/16/00	X		"	
4P-274	11/16/00	X		"	
4P-276	11/15/00	X		"	
4P-277	10/19/00	X		"	
4P-278	10/20/00	X		"	
4P-279	10/16/00	X		"	
4P-281	10/12/00	X		"	
4I-398	12/7/00	X		"	
4I-399	12/8/00	X		"	
4I-400	12/7/00	X		"	
4I-401	12/7/00	X		"	
4I-402	12/5/00	X		"	
4I-403	12/1/00	X		"	
4I-404	11/30/00	X		"	
4I-405	11/30/00	X		"	
4I-406	11/28/00	X		"	
4I-407	11/27/00	X		"	
4I-408	11/27/00	X		"	
4I-409	11/22/00	X		"	
4I-410	11/21/00	X		"	
4I-416	11/30/00	X		"	

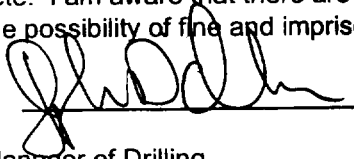
QUARTERLY MIT REPORT

10/1/00-12/31/00

WELL NUMBER	MIT DATE	PASS	FAIL	CERTIFICATION	COMMENTS
4I-417	11/17/00	X			
4I-418	11/16/00	X		"	
4I-419	10/25/00	X		"	
4I-420	11/15/00	X		"	
4I-421	11/16/00	X		"	
4I-422	12/8/00	X		"	
4I-423	10/20/00	X		"	
4I-424	10/19/00	X		"	
4I-425	10/17/00	X		"	
4I-426	10/16/00	X		"	
4I-427	10/19/00	X		"	
4I-428	10/16/00	X		"	
4I-429	10/16/00	X		"	
4I-430	10/13/00	X		"	
4I-431	10/12/00	X		"	
4P-261	12/8/00	X		"	
4I-396	12/13/00	X		"	
4I-397	12/8/00	X		"	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed:



Manager of Drilling

Date:

1/14/01

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M1**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5201.54	7.52	602	3.6	195
10/27/00	5197.56	7.61	602	3.6	194
11/10/00	5189.06	7.59	602	3.5	193
11/22/00	5206.91	7.70	586	3.5	194
12/8/00	5194.91	7.54	585	3.6	193
12/21/00	5196.01	7.49	587	3.6	191

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M2**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5201.97	7.55	591	4.3	195
10/27/00	5197.62	7.67	591	4.3	195
11/10/00	5191.57	7.60	589	4.1	193
11/22/00	5207.87	7.69	576	4.1	194
12/8/00	5196.12	7.50	577	4.2	194
12/21/00	5198.27	7.53	574	4.0	191

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M3**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5200.63	7.77	598	4.2	196
10/27/00	5195.73	7.59	598	4.4	196
11/10/00	5192.33	7.58	592	4.6	195
11/22/00	5207.70	7.62	582	4.8	196
12/8/00	5195.48	7.56	581	4.4	195
12/21/00	5199.13	7.46	586	4.4	193

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M4**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5197.30	7.82	544	4.2	196
10/27/00	5192.82	7.64	603	4.5	196
11/10/00	5193.77	7.58	601	4.4	195
11/22/00	5207.67	7.46	586	4.5	195
12/8/00	5194.17	7.54	592	4.3	195
12/21/00	5200.27	7.57	588	4.2	192

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M5**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5193.91	7.64	608	5.1	199
10/27/00	5189.75	7.64	608	4.8	199
11/10/00	5190.95	7.54	606	4.8	197
11/22/00	5201.85	7.43	595	5.0	200
12/8/00	5192.05	7.52	595	5.1	199
12/21/00	5196.75	7.50	597	4.8	196



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M6A**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5194.28	7.81	592	3.9	190
10/27/00	5189.84	7.64	591	3.8	190
11/10/00	5192.19	7.56	591	3.9	188
11/22/00	5193.55	7.43	578	4.2	189
12/8/00	5193.24	7.51	576	4.3	189
12/21/00	5193.79	7.50	580	3.6	187

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M7**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5191.13	7.72	575	3.3	182
10/27/00	5185.83	7.63	575	3.5	182
11/10/00	5187.93	7.59	575	3.4	181
11/22/00	5189.11	7.45	559	3.7	181
12/8/00	5188.93	7.52	559	3.4	181
12/21/00	5189.48	7.58	559	3.3	180

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M8**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5194.23	7.68	548	4.4	167
10/27/00	5189.53	7.67	546	4.2	166
11/10/00	5190.43	7.47	546	4.6	165
11/22/00	5191.33	7.50	534	3.9	167
12/8/00	5192.13	7.58	534	4.4	166
12/21/00	5192.63	7.61	525	4.4	165

**RIO ALGOM MINING CORP.  
Smith Ranch Facility  
Monitor Wells - Wellfield #1**

**Monitor Well - M9**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5195.90	7.68	539	3.7	175
10/27/00	5191.11	7.66	539	3.5	171
11/10/00	5191.26	7.58	539	3.5	173
11/22/00	5191.70	7.45	527	3.8	174
12/8/00	5192.46	7.59	526	3.6	173
12/21/00	5192.96	7.62	526	3.4	173

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M10**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5200.65	7.82	544	3.3	173
10/27/00	5195.51	7.67	541	3.5	173
11/10/00	5194.86	7.70	542	3.6	171
11/22/00	5194.64	7.61	529	3.5	172
12/8/00	5195.51	7.67	527	3.1	171
12/21/00	5196.01	7.56	527	3.3	171

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M11**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5201.52	7.66	538	4.1	173
10/27/00	5196.75	7.64	536	3.7	171
11/10/00	5195.55	7.56	535	3.8	173
11/22/00	5195.20	7.50	525	3.8	173
12/8/00	5196.00	7.58	525	4.0	173
12/21/00	5196.60	7.69	522	3.9	173

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M12**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5203.14	7.67	542	3.4	173
10/27/00	5198.84	7.71	542	3.4	172
11/10/00	5196.49	7.61	541	3.5	171
11/22/00	5197.40	7.58	532	3.7	171
12/8/00	5197.84	7.63	528	3.6	171
12/21/00	5198.64	7.47	525	3.5	169

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M13**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5201.60	7.60	557	3.2	170
10/27/00	5198.31	7.66	555	3.2	171
11/10/00	5194.81	7.69	554	3.2	168
11/22/00	5196.95	7.55	549	3.0	168
12/8/00	5196.26	7.63	538	3.5	169
12/21/00	5197.76	7.48	539	3.1	166



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M14**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5201.03	7.55	562	3.3	178
10/27/00	5198.93	7.67	561	2.9	174
11/10/00	5195.53	7.65	563	3.5	173
11/22/00	5203.71	7.54	557	3.8	173
12/8/00	5198.88	7.62	546	3.3	173
12/21/00	5203.18	7.46	548	3.5	171

**RIO ALGOM MINING CORP.  
Smith Ranch Facility  
Monitor Wells - Wellfield #1**

**Monitor Well - M15**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5200.29	7.48	564	3.4	178
10/27/00	5198.13	7.62	566	3.7	179
11/10/00	5194.73	7.59	564	3.6	176
11/22/00	5205.49	7.68	549	3.6	177
12/8/00	5198.23	7.61	556	3.5	177
12/21/00	5203.93	7.50	550	3.6	174

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M16**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5202.90	7.45	581	3.7	186
10/27/00	5208.64	7.70	580	3.7	186
11/10/00	5194.44	7.65	580	3.8	184
11/22/00	5206.94	7.70	563	4.1	185
12/8/00	5199.61	7.53	568	4.1	185
12/21/00	5205.64	7.52	566	3.8	183

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M17**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5203.40	7.52	581	3.9	187
10/27/00	5198.24	7.62	581	4.0	187
11/10/00	5192.59	7.62	579	4.0	185
11/22/00	5203.65	7.72	565	4.0	186
12/8/00	5197.54	7.53	566	4.1	185
12/21/00	5201.49	7.71	565	4.0	185

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M18**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5203.91	7.45	629	4.5	202
10/27/00	5198.91	7.57	630	4.7	203
11/10/00	5193.36	7.54	628	4.9	201
11/22/00	5203.09	7.62	612	4.7	201
12/8/00	5198.46	7.48	615	4.6	201
12/21/00	5201.01	7.44	614	4.7	199

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M19**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5208.15	7.48	632	4.8	203
10/27/00	5204.89	7.60	631	4.7	203
11/10/00	5200.34	7.52	630	4.8	201
11/22/00	5207.59	7.61	616	4.6	202
12/8/00	5204.89	7.51	616	4.7	202
12/21/00	5205.94	7.43	615	4.6	200

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M20**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5208.58	7.43	624	5.0	202
10/27/00	5205.04	7.54	622	4.8	203
11/10/00	5201.64	7.51	622	4.9	200
11/22/00	5208.04	7.57	604	5.0	201
12/8/00	5205.34	7.45	606	4.8	201
12/21/00	5206.34	7.43	607	4.6	198

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M21**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5208.69	7.41	610	4.8	199
10/27/00	5205.22	7.60	609	4.8	199
11/10/00	5201.77	7.48	606	4.9	197
11/22/00	5208.17	7.58	592	4.9	197
12/8/00	5205.52	7.52	596	4.7	197
12/21/00	5207.22	7.43	593	4.7	195



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M22**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5201.84	7.42	623	4.7	202
10/27/00	5197.77	7.62	621	4.8	202
11/10/00	5189.57	7.52	622	4.7	200
11/22/00	5201.42	7.58	604	4.7	200
12/8/00	5192.52	7.45	604	4.6	201
12/21/00	5193.92	7.39	603	4.8	197

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M23**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5201.02	7.67	610	3.0	189
10/27/00	5198.73	7.63	610	2.9	186
11/10/00	5186.38	7.65	610	3.0	188
11/22/00	5204.63	7.65	588	3.1	185
12/8/00	5190.83	7.42	595	3.2	188
12/21/00	5191.03	7.51	593	3.1	186

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M24**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5202.48	7.48	601	3.7	191
10/27/00	5199.63	7.57	601	3.9	191
11/10/00	5186.78	7.65	600	3.7	189
11/22/00	5206.93	7.63	585	4.0	189
12/8/00	5192.93	7.51	587	3.7	189
12/21/00	5192.98	7.45	589	3.6	187

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - M25**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=692</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=236</b>
10/13/00	5204.68	7.55	601	3.7	194
10/27/00	5201.25	7.63	599	3.8	195
11/10/00	5189.02	7.66	598	3.7	192
11/22/00	5209.63	7.77	584	3.9	193
12/8/00	5196.10	7.61	585	3.6	193
12/21/00	5197.13	7.53	585	3.8	189

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MT1**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5208.29	7.47	630	5.1	202
10/27/00	5204.65	7.56	628	5.4	202
11/10/00	5200.30	7.53	628	5.3	200
11/22/00	5207.63	7.58	614	5.8	200
12/8/00	5204.90	7.47	614	5.5	200
12/21/00	5206.85	7.45	613	5.3	197

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MT2A**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=692</b>	<b>UCL=19</b>	<b>UCL=236</b>
10/13/00	5200.84	7.49	575	4.2	180
10/27/00	5198.80	7.65	573	4.2	181
11/10/00	5194.45	7.65	580	4.1	180
11/22/00	5206.55	7.77	557	5.0	177
12/8/00	5199.05	7.54	561	4.3	179
12/21/00	5204.95	7.45	561	4.0	178

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD1**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1259</b>	<b>UCL=17</b>	<b>UCL=239</b>
10/13/00	5202.16	7.44	927	2.1	189
10/27/00	5202.87	7.36	927	2.3	186
11/10/00	5204.12	7.25	925	2.6	188
11/22/00	5204.57	7.25	904	2.4	188
12/8/00	5205.72	7.28	904	1.8	188
12/21/00	5206.22	7.28	894	2.4	187

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD2**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1259</b>	<b>UCL=17</b>	<b>UCL=239</b>
10/13/00	5202.30	7.47	817	2.2	181
10/27/00	5202.95	7.44	817	2.2	178
11/10/00	5204.20	7.32	816	1.8	180
11/22/00	5204.85	7.29	798	2.0	180
12/8/00	5205.90	7.34	796	2.2	180
12/21/00	5206.45	7.35	790	2.2	179



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD3A**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1259</b>	<b>UCL=17</b>	<b>UCL=239</b>
10/13/00	5200.20	7.45	780	2.5	184
10/27/00	5202.05	7.55	783	2.9	180
11/10/00	5203.95	7.35	778	2.5	182
11/22/00	5203.85	7.35	763	2.7	183
12/8/00	5204.95	7.38	763	2.7	183
12/21/00	5205.50	7.34	754	2.6	182

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD4**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1259</b>	<b>UCL=17</b>	<b>UCL=239</b>
10/13/00	5200.94	7.50	776	2.6	182
10/27/00	5203.34	7.50	774	2.5	179
11/10/00	5205.19	7.33	772	2.3	180
11/22/00	5205.19	7.29	753	2.6	181
12/8/00	5206.29	7.35	756	2.6	180
12/21/00	5206.89	7.34	750	2.6	180

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD5**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1259</b>	<b>Cl (mg/l) UCL=17</b>	<b>Alkalinity CaCO3 (mg/l) UCL=239</b>
10/13/00	5202.26	7.45	836	2.1	179
10/27/00	5202.83	7.42	835	1.7	177
11/10/00	5204.23	7.30	833	2.4	177
11/22/00	5204.83	7.46	819	2.0	178
12/8/00	5205.28	7.32	816	2.0	176
12/21/00	5206.53	7.28	807	1.8	178

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD6**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1259</b>	<b>UCL=17</b>	<b>UCL=239</b>
10/13/00	5197.64	7.41	938	2.2	187
10/27/00	5201.37	7.34	939	2.3	184
11/10/00	5203.37	7.27	936	2.1	186
11/22/00	5203.17	7.22	916	2.2	186
12/8/00	5204.22	7.27	915	2.3	185
12/21/00	5204.82	7.27	916	2.0	186

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD7**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1259</b>	<b>Cl (mg/l) UCL=17</b>	<b>Alkalinity CaCO3 (mg/l) UCL=239</b>
10/13/00	5200.68	7.44	905	2.4	186
10/27/00	5202.42	7.36	909	2.2	182
11/10/00	5203.32	7.31	908	2.3	184
11/22/00	5203.29	7.20	884	2.2	185
12/8/00	5205.07	7.28	887	1.8	184
12/21/00	5205.72	7.32	878	1.9	184

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD8A**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1259</b>	<b>UCL=17</b>	<b>UCL=239</b>
10/13/00	5196.95	7.47	678	2.9	197
10/27/00	5197.93	7.44	673	2.8	193
11/10/00	5199.58	7.40	672	3.0	195
11/22/00	5199.43	7.29	659	2.8	195
12/8/00	5198.88	7.35	658	2.8	194
12/21/00	5199.33	7.36	653	3.1	195

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD9**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1259</b>	<b>Cl (mg/l) UCL=17</b>	<b>Alkalinity CaCO3 (mg/l) UCL=239</b>
10/13/00	5200.17	7.49	741	2.8	190
10/27/00	5200.67	7.42	740	2.7	186
11/10/00	5203.47	7.39	740	2.7	188
11/22/00	5203.39	7.27	727	2.6	189
12/8/00	5203.02	7.32	728	2.6	187
12/21/00	5203.52	7.31	724	3.2	188

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD10**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1259</b>	<b>Cl (mg/l) UCL=17</b>	<b>Alkalinity CaCO3 (mg/l) UCL=239</b>
10/13/00	5199.89	7.49	619	3.2	204
10/27/00	5201.91	7.56	617	3.1	201
11/10/00	5203.11	7.49	615	3.5	203
11/22/00	5203.86	7.28	603	3.1	204
12/8/00	5203.66	7.35	604	3.1	202
12/21/00	5204.01	7.37	601	3.0	204



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MD11**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1259</b>	<b>UCL=17</b>	<b>UCL=239</b>
10/13/00	5199.69	7.47	867	2.1	183
10/27/00	5201.66	7.38	866	2.0	180
11/10/00	5203.51	7.24	867	1.9	181
11/22/00	5203.61	7.26	845	2.2	182
12/8/00	5204.61	7.32	848	2.1	180
12/21/00	5205.16	7.35	845	2.5	182

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS1**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=765</b>	<b>UCL=20</b>	<b>UCL=247</b>
10/13/00	5275.72	7.53	667	6.9	201
10/27/00	5276.43	7.48	667	7.1	197
11/10/00	5278.38	7.30	663	6.8	199
11/22/00	5278.38	7.36	650	7.0	201
12/8/00	5278.73	7.30	646	6.7	200
12/21/00	5278.78	7.37	648	6.8	200

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS2**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=765</b>	<b>Cl (mg/l) UCL=20</b>	<b>Alkalinity CaCO3 (mg/l) UCL=247</b>
10/13/00	5277.18	7.48	675	8.6	199
10/27/00	5278.01	7.46	675	9.1	195
11/10/00	5279.51	7.31	672	9.1	197
11/22/00	5279.56	7.34	658	9.2	197
12/8/00	5279.86	7.36	660	9.3	198
12/21/00	5279.96	7.34	651	9.5	197

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS3**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=765</b>	<b>UCL=20</b>	<b>UCL=247</b>
10/13/00	5274.49	7.55	688	6.6	213
10/27/00	5274.81	7.45	692	6.6	207
11/10/00	5276.91	7.28	689	6.5	208
11/22/00	5276.36	7.28	679	6.9	210
12/8/00	5276.71	7.27	674	6.7	209
12/21/00	5276.81	7.36	670	6.5	209

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS4**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=765</b>	<b>UCL=20</b>	<b>UCL=247</b>
10/13/00	5276.18	7.64	680	7.1	208
10/27/00	5276.27	7.48	681	7.2	204
11/10/00	5278.17	7.36	679	6.9	206
11/22/00	5277.52	7.61	664	7.1	208
12/8/00	5277.82	7.30	660	6.7	207
12/21/00	5277.97	7.36	661	6.8	207

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS5**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=765</b>	<b>UCL=20</b>	<b>UCL=247</b>
10/13/00	5277.55	7.44	681	6.2	204
10/27/00	5277.38	7.45	683	6.1	201
11/10/00	5279.58	7.37	678	6.0	202
11/22/00	5279.58	7.36	663	6.2	203
12/8/00	5278.73	7.51	670	6.4	202
12/21/00	5280.03	7.33	656	6.2	203

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS6**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=765</b>	<b>UCL=20</b>	<b>UCL=247</b>
10/13/00	5273.96	7.46	676	6.2	203
10/27/00	5274.85	7.43	675	6.1	199
11/10/00	5276.65	7.37	673	6.6	201
11/22/00	5275.95	7.33	658	6.1	203
12/8/00	5276.20	7.29	659	6.3	202
12/21/00	5276.30	7.35	652	5.9	202

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS7**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=765</b>	<b>Cl (mg/l) UCL=20</b>	<b>Alkalinity CaCO3 (mg/l) UCL=247</b>
10/13/00	5277.11	7.59	615	4.7	173
10/27/00	5277.31	7.47	613	4.4	170
11/10/00	5278.01	7.41	614	4.4	172
11/22/00	5277.15	7.31	599	4.6	172
12/8/00	5277.61	7.45	602	4.4	172
12/21/00	5278.46	7.64	601	4.4	173



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS8**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=765</b>	<b>Cl (mg/l) UCL=20</b>	<b>Alkalinity CaCO3 (mg/l) UCL=247</b>
10/13/00	5277.13	7.53	600	4.8	184
10/27/00	5277.40	7.48	597	5.0	181
11/10/00	5279.00	7.47	596	4.9	182
11/22/00	5278.08	7.35	583	5.0	183
12/8/00	5277.60	7.36	585	4.9	182
12/21/00	5278.15	7.45	582	5.1	183

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS9**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=765</b>	<b>UCL=20</b>	<b>UCL=247</b>
10/13/00	5275.13	7.73	654	5.6	194
10/27/00	5274.25	7.47	655	5.5	190
11/10/00	5275.15	7.42	651	5.5	191
11/22/00	5274.35	7.31	637	5.9	192
12/8/00	5274.85	7.46	637	5.6	192
12/21/00	5275.16	7.37	630	5.6	192

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS10**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=765</b>	<b>Cl (mg/l) UCL=20</b>	<b>Alkalinity CaCO3 (mg/l) UCL=247</b>
10/13/00	5313.61	7.60	616	5.0	186
10/27/00	5312.71	7.75	615	4.8	183
11/10/00	5313.46	7.51	614	4.4	185
11/22/00	5313.41	7.50	604	4.9	185
12/8/00	5314.61	7.52	599	4.9	184
12/21/00	5315.76	7.50	595	5.3	186

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #1**

**Monitor Well - MS11**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=765</b>	<b>UCL=20</b>	<b>UCL=247</b>
10/13/00	5274.48	7.46	668	5.5	203
10/27/00	5274.90	7.44	666	5.7	199
11/10/00	5276.80	7.32	667	5.8	201
11/22/00	5276.15	7.33	649	5.4	202
12/8/00	5276.45	7.35	651	5.7	200
12/21/00	5276.50	7.40	649	5.5	201

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M301**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5213.71	7.43	901	2.5	198
10/19/00	5212.11	7.32	935	2.3	198
11/2/00	5216.66	7.31	930	2.1	196
11/15/00	5214.41	7.54	932	2.0	196
11/30/00	5211.81	7.38	916	2.1	199
12/14/00	5216.41	7.40	918	2.4	198
12/28/00	5211.91	7.33	917	2.3	199

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M302**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5213.30	7.49	745	2.5	164
10/19/00	5212.05	7.39	773	2.6	164
11/2/00	5216.90	7.57	770	2.4	161
11/15/00	5213.85	7.79	775	2.1	163
11/30/00	5212.05	7.43	760	4.2	166
12/14/00	5216.30	7.45	757	2.5	163
12/28/00	5212.30	7.51	763	2.5	164

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M303**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5214.26	7.48	787	1.9	168
10/19/00	5213.21	7.37	815	2.1	168
11/2/00	5216.26	7.36	816	2.2	167
11/15/00	5214.36	7.46	816	2.2	167
11/30/00	5212.91	7.42	797	2.4	167
12/14/00	5216.71	7.45	800	2.2	167
12/28/00	5213.06	7.34	794	2.5	167

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M304**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5214.71	7.40	932	2.0	201
10/19/00	5214.81	7.33	964	2.1	200
11/2/00	5213.56	7.32	967	2.3	200
11/15/00	5214.76	7.38	966	2.0	200
11/30/00	5214.31	7.34	947	2.3	201
12/14/00	5216.71	7.39	948	2.1	200
12/28/00	5214.21	7.28	946	2.3	201



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M305**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5213.88	7.38	926	1.9	197
10/19/00	5214.68	7.31	958	1.9	196
11/2/00	5211.98	7.32	958	2.0	196
11/15/00	5214.73	7.30	961	2.1	195
11/30/00	5215.08	7.37	937	2.2	196
12/14/00	5216.53	7.36	939	2.0	195
12/28/00	5215.38	7.24	934	1.9	196

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M306**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5213.12	7.37	918	2.0	201
10/19/00	5213.92	7.35	949	2.1	200
11/2/00	5216.12	7.32	950	1.9	200
11/15/00	5214.27	7.30	951	2.0	199
11/30/00	5214.97	7.36	932	2.1	202
12/14/00	5216.17	7.39	934	1.9	201
12/28/00	5215.32	7.22	925	2.1	200

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M307**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5213.23	7.66	890	2.2	192
10/19/00	5213.83	7.49	940	2.1	194
11/2/00	5209.73	7.52	940	2.0	193
11/15/00	5214.33	7.45	928	2.1	191
11/30/00	5215.48	7.58	903	2.3	191
12/14/00	5216.48	7.50	896	2.1	189
12/28/00	5215.68	7.35	891	1.9	191

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M308**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5213.22	7.54	768	2.0	165
10/19/00	5212.37	7.46	794	1.8	165
11/2/00	5208.92	7.48	793	1.9	165
11/15/00	5214.27	7.36	794	2.1	164
11/30/00	5216.02	7.54	773	2.2	164
12/14/00	5216.27	7.49	775	2.0	163
12/28/00	5216.27	7.35	777	2.2	164

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M309**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5212.94	7.51	732	2.0	164
10/19/00	5210.64	7.45	753	2.0	163
11/2/00	5208.84	7.47	750	1.9	162
11/15/00	5214.34	7.37	754	2.0	162
11/30/00	5215.99	7.51	748	2.0	163
12/14/00	5215.49	7.50	746	2.1	162
12/28/00	5216.24	7.34	746	2.0	163

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M310**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5213.99	7.50	822	2.0	172
10/19/00	5210.69	7.42	850	2.2	171
11/2/00	5208.94	7.44	853	2.1	171
11/15/00	5215.79	7.36	852	2.1	171
11/30/00	5217.64	7.47	835	1.7	172
12/14/00	5216.44	7.46	834	1.9	171
12/28/00	5218.19	7.31	832	2.3	172

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M311**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5211.24	7.51	871	2.2	177
10/19/00	5209.53	7.42	905	2.0	176
11/2/00	5208.44	7.46	907	2.0	176
11/15/00	5214.19	7.37	903	2.2	175
11/30/00	5215.84	7.43	883	2.2	176
12/14/00	5213.34	7.42	884	2.0	175
12/28/00	5215.94	7.30	880	2.2	176

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M312**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5210.56	7.53	822	1.9	168
10/19/00	5209.22	7.42	854	1.7	167
11/2/00	5208.11	7.45	850	1.8	166
11/15/00	5213.46	7.39	856	2.0	167
11/30/00	5215.16	7.44	836	2.1	167
12/14/00	5213.81	7.46	836	2.0	166
12/28/00	5214.96	7.30	832	2.0	167



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M313**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5210.05	7.50	834	1.9	171
10/19/00	5209.99	7.39	864	1.9	171
11/2/00	5206.55	7.40	862	2.0	170
11/15/00	5213.15	7.39	862	1.8	170
11/30/00	5215.45	7.42	845	2.0	170
12/14/00	5213.75	7.44	842	2.0	169
12/28/00	5214.15	7.28	843	2.1	170

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M314**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5212.20	7.49	848	1.9	174
10/19/00	5214.43	7.37	879	2.0	173
11/2/00	5207.75	7.40	884	2.1	173
11/15/00	5215.40	7.36	879	2.0	173
11/30/00	5218.25	7.42	862	2.1	173
12/14/00	5216.55	7.42	857	2.1	173
12/28/00	5216.45	7.30	861	2.3	174

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M315**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5212.50	7.49	821	2.5	170
10/19/00	5215.27	7.37	849	2.3	169
11/2/00	5211.00	7.43	853	2.2	170
11/15/00	5215.45	7.35	852	2.1	169
11/30/00	5216.75	7.43	830	2.5	169
12/14/00	5216.30	7.45	833	2.3	169
12/28/00	5215.60	7.31	831	2.2	169

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M316**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5212.94	7.51	806	2.0	165
10/19/00	5213.28	7.40	835	2.0	165
11/2/00	5213.44	7.44	831	1.8	165
11/15/00	5215.84	7.36	839	1.7	164
11/30/00	5215.79	7.42	818	2.0	164
12/14/00	5216.19	7.45	822	1.8	164
12/28/00	5214.94	7.31	819	2.1	165

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M317**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5213.81	7.45	920	1.9	187
10/19/00	5215.40	7.37	952	1.7	186
11/2/00	5215.11	7.41	953	1.8	186
11/15/00	5216.51	7.38	949	2.0	185
11/30/00	5215.41	7.40	935	2.1	186
12/14/00	5216.66	7.44	936	2.0	185
12/28/00	5214.71	7.25	933	1.9	187

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M318**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1131</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=222</b>
10/5/00	5214.92	7.44	951	2.4	191
10/19/00	5215.65	7.31	986	2.2	190
11/2/00	5217.22	7.38	985	2.8	190
11/15/00	5217.42	7.30	983	2.4	189
11/30/00	5215.57	7.35	965	2.2	190
12/14/00	5217.37	7.38	965	2.5	189
12/28/00	5214.87	7.22	962	2.4	191

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M319**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5214.86	7.49	836	1.9	167
10/19/00	5215.08	7.41	865	2.1	166
11/2/00	5218.01	7.42	868	1.9	166
11/15/00	5217.26	7.29	866	2.0	165
11/30/00	5214.56	7.39	848	2.1	165
12/14/00	5217.01	7.49	853	2.0	165
12/28/00	5214.01	7.29	844	1.8	166

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - M320**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1131</b>	<b>UCL=18</b>	<b>UCL=222</b>
10/5/00	5214.16	7.48	829	2.4	174
10/19/00	5215.86	7.41	858	2.2	174
11/2/00	5217.66	7.40	852	2.1	173
11/15/00	5216.27	7.34	855	2.2	172
11/30/00	5213.36	7.47	845	3.0	172
12/14/00	5216.31	7.43	843	2.6	173
12/28/00	5212.66	7.26	847	3.0	174



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD301**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5226.47	7.62	420	2.8	159
10/19/00	5226.47	7.59	437	3.0	161
11/2/00	5227.87	7.75	435	2.5	161
11/15/00	5228.32	7.64	434	2.8	160
11/30/00	5225.77	7.64	425	2.7	161
12/14/00	5230.32	7.63	425	3.0	160
12/28/00	5229.82	7.32	424	2.5	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD302**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5226.38	7.65	424	2.8	160
10/19/00	5226.33	7.61	441	3.0	161
11/2/00	5227.58	7.75	439	2.8	161
11/15/00	5228.48	7.60	437	2.9	160
11/30/00	5226.03	7.63	431	3.0	161
12/14/00	5230.03	7.68	430	3.1	160
12/28/00	5229.93	7.52	429	3.0	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD303**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5224.93	7.68	425	2.8	161
10/19/00	5224.88	7.49	440	3.1	162
11/2/00	5226.18	7.76	440	3.0	161
11/15/00	5226.98	7.62	438	3.1	161
11/30/00	5224.63	7.47	428	2.9	161
12/14/00	5228.58	7.67	428	3.0	161
12/28/00	5228.48	7.51	434	2.8	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD304**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5220.84	7.70	428	2.9	163
10/19/00	5220.84	7.62	444	3.0	162
11/2/00	5222.24	7.77	444	2.7	161
11/15/00	5223.24	7.66	440	3.2	161
11/30/00	5221.14	7.63	434	2.9	161
12/14/00	5224.14	7.68	434	2.8	161
12/28/00	5224.74	7.51	428	3.0	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD305**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=496</b>	<b>UCL=18</b>	<b>UCL=171</b>
10/5/00	5224.60	7.65	429	2.8	161
10/19/00	5225.25	7.59	445	2.6	161
11/2/00	5226.70	7.75	442	3.0	161
11/15/00	5227.25	7.34	442	3.1	160
11/30/00	5224.70	7.48	433	2.9	160
12/14/00	5228.10	7.65	431	2.9	161
12/28/00	5228.15	7.47	432	3.0	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD306**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5218.61	7.62	431	3.2	161
10/19/00	5219.36	7.64	448	2.8	161
11/2/00	5220.91	7.73	445	3.0	161
11/15/00	5221.61	7.72	446	3.1	160
11/30/00	5219.51	7.64	434	3.2	161
12/14/00	5222.06	7.62	436	3.0	160
12/28/00	5222.56	7.53	437	3.3	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD309**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5218.54	7.67	431	2.8	161
10/19/00	5219.17	7.61	447	2.7	162
11/2/00	5220.54	7.78	444	2.8	161
11/15/00	5221.34	7.78	444	3.0	161
11/30/00	5219.04	7.60	434	2.8	161
12/14/00	5221.19	7.49	434	2.9	161
12/28/00	5222.29	7.53	433	2.6	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD310**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5216.72	7.63	434	3.0	162
10/19/00	5217.40	7.59	448	2.7	162
11/2/00	5218.52	7.85	448	2.8	161
11/15/00	5219.67	7.58	449	2.9	161
11/30/00	5217.87	7.63	437	3.3	162
12/14/00	5218.92	7.68	436	2.8	161
12/28/00	5220.77	7.52	438	2.9	162



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MD311**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5216.13	7.62	437	3.0	162
10/19/00	5216.70	7.58	451	2.9	162
11/2/00	5217.88	7.76	458	2.9	162
11/15/00	5218.03	7.59	449	3.1	161
11/30/00	5217.33	7.60	441	3.1	162
12/14/00	5215.18	7.67	440	3.1	162
12/28/00	5220.28	7.51	442	3.2	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - OMM1**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=496</b>	<b>Cl (mg/l) UCL=18</b>	<b>Alkalinity CaCO3 (mg/l) UCL=171</b>
10/5/00	5219.49	7.70	431	3.0	162
10/19/00	5220.24	7.61	445	2.8	162
11/2/00	5222.09	7.71	447	2.8	161
11/15/00	5222.19	7.49	431	3.2	154
11/30/00	5220.29	7.63	411	2.8	151
12/14/00	5222.39	7.69	434	2.9	160
12/28/00	5222.99	7.48	434	3.0	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS301**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5229.13	7.44	735	8.0	225
10/19/00	5229.13	7.22	756	8.6	224
11/2/00	5229.28	7.44	761	7.5	224
11/15/00	5229.38	7.34	763	7.9	223
11/30/00	5229.28	7.35	746	7.8	224
12/14/00	5229.48	7.37	744	7.8	223
12/28/00	5229.78	7.21	743	8.0	224

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS302**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5228.94	7.45	708	7.0	224
10/19/00	5228.94	7.31	732	7.4	223
11/2/00	5229.09	7.49	733	6.9	222
11/15/00	5229.19	7.29	731	6.6	222
11/30/00	5229.09	7.38	723	6.3	223
12/14/00	5230.14	7.40	717	6.7	222
12/28/00	5229.54	7.22	718	7.1	223

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS303**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5229.98	7.48	604	5.4	189
10/19/00	5230.08	7.32	623	5.7	189
11/2/00	5230.18	7.55	623	5.4	188
11/15/00	5230.28	7.27	623	5.7	187
11/30/00	5230.18	7.43	609	5.4	188
12/14/00	5230.38	7.40	609	5.5	187
12/28/00	5230.68	7.24	611	5.7	188

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS304**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5306.78	7.55	813	7.2	236
10/19/00	5306.87	7.21	837	7.3	239
11/2/00	5306.97	7.40	844	7.0	238
11/15/00	5307.17	7.23	841	7.4	237
11/30/00	5307.07	7.52	827	7.2	239
12/14/00	5307.17	7.60	825	7.0	238
12/28/00	5305.42	7.19	824	7.3	239

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS305**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1321</b>	<b>UCL=22</b>	<b>UCL=353</b>
10/5/00	5311.53	7.74	814	7.7	241
10/19/00	5312.39	7.28	836	7.6	242
11/2/00	5312.53	7.58	841	7.6	240
11/15/00	5312.48	7.23	839	7.7	239
11/30/00	5312.48	7.56	824	7.5	240
12/14/00	5311.78	7.39	823	7.7	240
12/28/00	5312.29	7.45	819	7.5	241

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS306**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1321</b>	<b>UCL=22</b>	<b>UCL=353</b>
10/5/00	5310.33	7.53	815	7.5	234
10/19/00	5311.07	7.19	836	7.4	233
11/2/00	5311.53	7.47	844	7.5	232
11/15/00	5311.28	7.54	843	7.5	231
11/30/00	5311.18	7.32	821	7.8	232
12/14/00	5310.43	7.31	819	7.1	231
12/28/00	5310.93	7.25	818	7.5	232



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS307**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5221.41	7.62	580	4.6	184
10/19/00	5221.82	7.43	592	4.5	186
11/2/00	5223.01	7.60	599	4.3	184
11/15/00	5223.41	7.65	597	4.8	184
11/30/00	5221.91	7.72	588	4.8	185
12/14/00	5223.71	7.67	578	4.6	185
12/28/00	5222.51	7.63	589	4.9	185

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

Monitor Well - MS309

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5315.33	7.58	831	8.3	234
10/19/00	5316.23	7.16	859	7.9	235
11/2/00	5316.73	7.57	861	7.9	233
11/15/00	5316.43	7.22	860	7.6	233
11/30/00	5316.38	7.26	840	7.6	229
12/14/00	5315.53	7.35	842	8.2	233
12/28/00	5316.08	7.18	843	8.3	233

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS310**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1321</b>	<b>UCL=22</b>	<b>UCL=353</b>
10/5/00	5233.43	7.62	608	4.2	172
10/19/00	5234.03	7.47	628	3.7	172
11/2/00	5233.93	7.59	627	4.0	171
11/15/00	5234.18	7.46	628	3.6	171
11/30/00	5234.43	7.51	616	4.7	171
12/14/00	5234.08	7.50	613	4.3	170
12/28/00	5234.03	7.28	611	4.3	170

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS311**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=1321</b>	<b>UCL=22</b>	<b>UCL=353</b>
10/5/00	5233.93	7.64	625	4.8	194
10/19/00	5234.43	7.35	647	4.3	194
11/2/00	5234.13	7.70	645	5.2	191
11/15/00	5234.58	7.44	643	4.6	191
11/30/00	5234.68	7.46	633	4.5	193
12/14/00	5234.48	7.64	630	5.1	191
12/28/00	5234.43	7.38	631	4.4	193

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS312**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5233.33	7.75	576	2.8	145
10/19/00	5233.38	7.55	590	2.5	148
11/2/00	5233.43	7.88	592	2.4	146
11/15/00	5233.53	7.66	581	5.4	136
11/30/00	5233.78	7.79	580	3.1	148
12/14/00	5234.03	7.71	580	2.6	146
12/28/00	5233.38	7.45	578	2.6	147

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - MS313**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5234.20	7.71	594	3.7	182
10/19/00	5234.25	7.42	613	3.3	181
11/2/00	5233.15	7.56	614	3.8	180
11/15/00	5234.50	7.48	616	3.7	180
11/30/00	5234.60	7.33	599	3.7	180
12/14/00	5234.90	7.68	600	3.9	180
12/28/00	5234.30	7.45	602	3.7	181

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #3**

**Monitor Well - OMS1**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=1321</b>	<b>Cl (mg/l) UCL=22</b>	<b>Alkalinity CaCO3 (mg/l) UCL=353</b>
10/5/00	5314.01	7.41	826	7.6	234
10/19/00	5314.06	7.39	852	7.3	234
11/2/00	5315.31	7.53	849	7.5	232
11/15/00	5314.51	7.25	858	7.5	233
11/30/00	5313.71	7.33	843	7.4	235
12/14/00	5314.01	7.39	846	7.4	233
12/28/00	5313.41	7.29	836	7.7	223

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M401**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=708</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=177</b>
10/6/00	5233.46	7.68	494	3.5	163
10/20/00	5236.00	7.44	510	3.7	163
11/3/00	5199.33	7.55	511	3.4	160
11/16/00	5210.08	7.62	497	3.5	163
12/1/00	5228.23	7.58	500	3.5	163
12/15/00	5240.83	7.75	501	3.5	162
12/29/00	5218.53	7.44	500	3.6	163



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M402**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5231.02	7.78	471	3.5	161
10/20/00	5238.36	7.48	484	3.6	161
11/3/00	5197.50	7.65	484	3.4	160
11/16/00	5208.50	7.63	474	3.6	161
12/1/00	5227.35	7.57	472	3.4	161
12/15/00	5238.10	7.63	471	3.5	160
12/29/00	5215.95	7.41	473	3.4	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M403**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5232.32	7.65	453	3.0	161
10/20/00	5243.23	7.48	469	3.5	163
11/3/00	5203.62	7.65	468	3.3	162
11/16/00	5208.67	7.62	458	3.2	162
12/1/00	5228.27	7.60	456	3.1	162
12/15/00	5236.17	7.60	457	3.2	162
12/29/00	5215.17	7.39	457	3.0	163

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M404**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5236.13	7.60	448	3.1	162
10/20/00	5250.62	7.47	464	3.0	164
11/3/00	5212.65	7.70	462	3.2	163
11/16/00	5208.25	7.61	452	2.8	163
12/1/00	5229.10	7.62	455	3.1	163
12/15/00	5233.40	7.63	451	3.1	162
12/29/00	5215.20	7.38	451	3.3	163

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M405**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5234.82	7.59	448	2.9	160
10/20/00	5249.02	7.65	466	3.3	163
11/3/00	5217.07	7.66	463	3.1	161
11/16/00	5206.97	7.67	454	3.1	162
12/1/00	5228.57	7.61	453	3.0	163
12/15/00	5231.22	7.75	456	3.2	161
12/29/00	5215.52	7.42	452	2.9	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M406**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5234.01	7.58	450	3.5	160
10/20/00	5248.21	7.62	466	3.1	162
11/3/00	5217.66	7.65	465	3.0	162
11/16/00	5203.31	7.63	455	3.2	162
12/1/00	5228.56	7.60	456	3.2	162
12/15/00	5229.36	7.67	455	3.1	160
12/29/00	5215.01	7.40	459	3.1	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M407**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=708</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=177</b>
10/6/00	5228.75	7.57	464	3.3	160
10/20/00	5236.85	7.62	480	3.4	162
11/3/00	5217.20	7.68	479	3.2	161
11/16/00	5202.00	7.60	470	3.4	161
12/1/00	5226.60	7.63	469	3.3	161
12/15/00	5226.80	7.64	470	3.3	160
12/29/00	5215.90	7.37	470	3.2	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M408**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5225.64	7.54	479	3.2	160
10/20/00	5227.09	7.60	496	3.5	162
11/3/00	5222.24	7.68	493	3.4	161
11/16/00	5205.49	7.62	486	3.3	161
12/1/00	5226.29	7.64	484	3.6	161
12/15/00	5228.04	7.60	482	3.5	160
12/29/00	5219.99	7.35	481	3.5	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M409**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5226.99	7.55	481	3.1	160
10/20/00	5227.19	7.61	496	3.5	161
11/3/00	5227.74	7.62	495	3.5	160
11/16/00	5211.94	7.64	482	3.5	160
12/1/00	5228.14	7.60	482	3.4	161
12/15/00	5230.19	7.62	483	3.1	159
12/29/00	5222.29	7.39	484	3.7	160



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M410**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5229.46	7.56	481	3.5	159
10/20/00	5230.26	7.64	495	3.3	160
11/3/00	5234.01	7.61	494	3.1	159
11/16/00	5219.56	7.64	484	3.2	160
12/1/00	5229.81	7.54	484	3.2	160
12/15/00	5233.06	7.62	482	3.1	158
12/29/00	5225.11	7.38	482	3.3	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M411**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=708</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=177</b>
10/6/00	5230.85	7.56	483	3.4	159
10/20/00	5231.45	7.63	503	3.4	160
11/3/00	5240.45	7.63	501	3.3	160
11/16/00	5227.30	7.63	491	3.4	164
12/1/00	5229.50	7.59	490	3.7	160
12/15/00	5233.95	7.61	490	3.3	159
12/29/00	5227.10	7.37	489	3.7	160

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M412**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=708</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=177</b>
10/6/00	5231.26	7.77	497	3.6	159
10/20/00	5231.56	7.70	514	3.5	160
11/3/00	5243.86	7.59	513	3.3	159
11/16/00	5229.91	7.71	510	3.6	159
12/1/00	5229.46	7.62	500	3.6	160
12/15/00	5233.51	7.60	504	3.6	158
12/29/00	5226.21	7.44	501	3.5	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M413**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5232.49	7.71	510	3.5	160
10/20/00	5231.64	7.67	530	3.5	160
11/3/00	5245.89	7.73	526	3.7	160
11/16/00	5230.99	7.71	526	3.3	160
12/1/00	5229.79	7.65	515	3.8	160
12/15/00	5233.89	7.62	517	3.3	159
12/29/00	5226.69	7.48	516	3.5	160

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M414**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5232.14	7.66	525	3.6	160
10/20/00	5231.14	7.65	544	3.7	161
11/3/00	5245.54	7.72	544	3.5	160
11/16/00	5233.04	7.71	541	3.5	160
12/1/00	5230.69	7.71	532	3.8	160
12/15/00	5235.04	7.62	531	3.4	159
12/29/00	5228.54	7.51	532	3.6	160

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M415**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5231.03	7.63	545	3.3	159
10/20/00	5230.68	7.67	564	3.2	160
11/3/00	5243.48	7.66	560	3.6	159
11/16/00	5234.63	7.70	559	3.7	159
12/1/00	5230.63	7.77	550	3.5	159
12/15/00	5235.78	7.67	550	3.3	158
12/29/00	5228.68	7.62	551	3.4	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M416**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5230.31	7.59	558	3.1	159
10/20/00	5232.51	7.60	578	3.3	159
11/3/00	5242.71	7.71	575	3.2	158
11/16/00	5236.36	7.65	575	3.0	159
12/1/00	5230.66	7.55	562	3.3	158
12/15/00	5235.86	7.53	563	3.2	157
12/29/00	5229.41	7.38	561	3.3	158

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M417**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=708</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=177</b>
10/6/00	5229.75	7.60	566	2.8	159
10/20/00	5230.20	7.61	587	2.8	160
11/3/00	5241.00	7.69	583	3.4	159
11/16/00	5236.65	7.67	581	3.2	159
12/1/00	5229.75	7.57	572	3.4	159
12/15/00	5236.60	7.54	572	2.9	158
12/29/00	5229.20	7.39	571	3.1	159



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M418**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5230.47	7.58	569	3.3	160
10/20/00	5230.87	7.62	589	2.9	160
11/3/00	5239.87	7.67	588	3.0	159
11/16/00	5236.47	7.67	583	2.9	159
12/1/00	5229.67	7.54	574	3.0	159
12/15/00	5235.07	7.53	576	3.2	158
12/29/00	5229.97	7.34	573	3.0	158

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M419**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=708</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=177</b>
10/6/00	5229.30	7.54	584	2.7	162
10/20/00	5229.75	7.57	605	2.7	163
11/3/00	5237.96	7.62	602	3.3	162
11/16/00	5235.25	7.65	600	2.8	162
12/1/00	5228.30	7.55	592	2.7	162
12/15/00	5232.50	7.52	591	2.8	161
12/29/00	5228.55	7.34	588	2.8	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M420**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5229.08	7.53	586	2.8	163
10/20/00	5229.48	7.56	608	2.9	162
11/3/00	5237.93	7.59	606	3.1	162
11/16/00	5234.83	7.62	604	2.8	162
12/1/00	5227.53	7.51	592	2.5	162
12/15/00	5232.18	7.50	592	2.6	161
12/29/00	5227.83	7.31	590	2.6	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M421**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5229.05	7.51	582	2.8	162
10/20/00	5229.65	7.55	602	2.9	163
11/3/00	5238.95	7.57	600	2.7	162
11/16/00	5234.90	7.62	597	3.0	162
12/1/00	5226.95	7.51	586	2.9	162
12/15/00	5232.90	7.50	588	2.7	161
12/29/00	5227.20	7.31	586	3.1	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M422**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5229.35	7.47	575	3.0	162
10/20/00	5230.05	7.52	597	2.7	161
11/3/00	5240.95	7.75	593	3.1	161
11/16/00	5235.40	7.68	585	3.0	161
12/1/00	5227.55	7.54	581	2.8	161
12/15/00	5234.70	7.50	584	3.1	160
12/29/00	5227.35	7.32	582	3.1	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M423**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=708</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=177</b>
10/6/00	5229.55	7.50	569	3.2	160
10/20/00	5230.05	7.52	590	3.2	161
11/3/00	5243.15	7.65	591	3.1	160
11/16/00	5234.15	7.75	576	2.8	160
12/1/00	5229.20	7.55	575	3.3	160
12/15/00	5234.95	7.51	577	3.1	159
12/29/00	5227.80	7.32	577	3.0	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M424**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5229.62	7.50	560	3.3	158
10/20/00	5230.02	7.55	582	3.3	160
11/3/00	5243.97	7.64	579	3.1	159
11/16/00	5231.17	7.65	567	3.1	159
12/1/00	5229.47	7.61	567	3.5	160
12/15/00	5233.92	7.54	566	3.3	158
12/29/00	5227.72	7.35	569	3.5	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M425**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5231.17	7.53	555	3.4	159
10/20/00	5231.18	7.54	575	3.5	159
11/3/00	5242.97	7.61	572	3.7	159
11/16/00	5228.67	7.63	560	3.4	159
12/1/00	5229.42	7.75	560	3.4	159
12/15/00	5233.22	7.58	561	3.3	158
12/29/00	5226.42	7.38	560	3.5	159



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M426**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5231.00	7.53	551	3.3	159
10/20/00	5231.51	7.58	568	3.8	160
11/3/00	5241.86	7.54	568	3.4	159
11/16/00	5227.11	7.60	558	3.6	159
12/1/00	5229.36	7.52	554	3.3	159
12/15/00	5232.96	7.51	557	3.4	157
12/29/00	5225.16	7.34	556	3.6	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M427**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5230.56	7.55	523	3.6	159
10/20/00	5231.42	7.45	536	3.6	161
11/3/00	5239.72	7.55	540	3.7	160
11/16/00	5224.62	7.58	530	4.0	160
12/1/00	5229.47	7.49	527	3.8	160
12/15/00	5233.12	7.51	528	3.8	158
12/29/00	5224.57	7.37	530	3.8	160

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M428**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5233.88	7.52	522	3.5	160
10/20/00	5235.01	7.41	538	3.8	162
11/3/00	5235.81	7.55	540	3.7	161
11/16/00	5220.56	7.56	527	3.5	161
12/1/00	5232.91	7.49	528	3.7	161
12/15/00	5236.01	7.49	527	3.6	160
12/29/00	5226.16	7.33	526	3.7	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M429**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5232.61	7.53	525	3.5	161
10/20/00	5234.57	7.42	541	3.4	162
11/3/00	5229.06	7.53	542	3.5	161
11/16/00	5214.06	7.57	531	3.7	161
12/1/00	5232.11	7.47	531	3.6	161
12/15/00	5234.91	7.55	530	3.4	160
12/29/00	5223.96	7.37	529	3.7	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M430**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5229.42	7.56	506	3.7	159
10/20/00	5236.96	7.46	516	3.5	161
11/3/00	5215.64	7.56	526	3.6	161
11/16/00	5204.09	7.56	514	3.5	161
12/1/00	5228.09	7.51	518	3.7	161
12/15/00	5229.69	7.57	517	3.5	159
12/29/00	5217.59	7.36	519	3.6	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M431**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5236.84	7.56	504	3.5	159
10/20/00	5242.22	7.49	519	3.7	161
11/3/00	5209.45	7.56	521	3.6	160
11/16/00	5208.80	7.57	511	3.3	160
12/1/00	5231.55	7.52	510	3.5	160
12/15/00	5233.80	7.58	512	3.7	159
12/29/00	5216.15	7.36	511	3.6	160

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M432**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5239.40	7.51	522	3.6	160
10/20/00	5239.64	7.41	540	3.7	162
11/3/00	5208.35	7.55	537	3.6	161
11/16/00	5211.95	7.58	522	3.7	161
12/1/00	5231.90	7.50	524	3.6	161
12/15/00	5238.30	7.57	525	3.7	160
12/29/00	5219.45	7.36	525	3.7	161

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M433**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5239.26	7.53	530	4.0	160
10/20/00	5239.26	7.42	542	3.8	162
11/3/00	5201.86	7.56	546	3.7	161
11/16/00	5212.61	7.57	536	3.8	161
12/1/00	5231.56	7.52	536	3.5	161
12/15/00	5240.91	7.59	535	3.9	160
12/29/00	5220.31	7.37	533	3.7	161



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - M434**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=708</b>	<b>UCL=19</b>	<b>UCL=177</b>
10/6/00	5236.36	7.59	517	3.8	160
10/20/00	5237.21	7.45	522	3.7	162
11/3/00	5198.89	7.58	534	3.5	161
11/16/00	5211.49	7.55	523	3.6	161
12/1/00	5229.79	7.56	523	3.4	161
12/15/00	5241.19	7.70	522	3.7	160
12/29/00	5219.79	7.39	519	3.5	162

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD401**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=579</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=176</b>
10/6/00	5229.49	7.57	516	4.3	160
10/20/00	5229.61	7.65	533	4.2	159
11/3/00	5231.14	7.62	531	3.8	159
11/16/00	5231.78	7.72	529	4.3	159
12/1/00	5230.39	7.54	521	4.1	158
12/15/00	5231.09	7.63	519	3.9	156
12/29/00	5230.99	7.39	520	4.0	157

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD402**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5228.64	7.55	513	4.2	160
10/20/00	5228.84	7.66	532	4.0	160
11/3/00	5230.04	7.64	532	4.1	160
11/16/00	5230.39	7.75	528	4.4	160
12/1/00	5229.44	7.52	519	4.1	159
12/15/00	5230.29	7.62	520	4.1	157
12/29/00	5230.04	7.39	518	4.3	158

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD403**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5221.73	7.56	514	4.2	161
10/20/00	5222.03	7.63	533	4.3	161
11/3/00	5223.98	7.65	535	4.3	160
11/16/00	5224.08	7.69	530	4.3	160
12/1/00	5222.83	7.54	521	4.5	160
12/15/00	5223.83	7.57	519	4.2	158
12/29/00	5223.63	7.38	520	4.3	158

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD404**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5221.49	7.63	520	4.0	162
10/20/00	5221.98	7.67	536	4.4	161
11/3/00	5222.88	7.62	534	4.0	161
11/16/00	5223.08	7.69	533	4.4	161
12/1/00	5222.78	7.54	527	4.2	161
12/15/00	5222.18	7.66	522	4.2	159
12/29/00	5222.03	7.36	522	4.2	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD405**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5219.93	7.57	511	4.4	163
10/20/00	5220.28	7.64	529	4.3	162
11/3/00	5220.88	7.65	528	4.5	161
11/16/00	5221.18	7.73	525	4.5	161
12/1/00	5221.03	7.56	514	4.3	161
12/15/00	5220.58	7.74	515	4.3	160
12/29/00	5220.53	7.35	514	4.7	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD406**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5219.61	7.55	546	3.9	160
10/20/00	5219.72	7.66	566	4.2	160
11/3/00	5220.09	7.62	566	4.1	160
11/16/00	5220.40	7.72	562	4.4	159
12/1/00	5220.43	7.55	553	4.1	159
12/15/00	5220.84	7.60	554	4.2	156
12/29/00	5220.74	7.36	553	4.0	158

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD407**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5210.43	7.52	511	4.4	161
10/20/00	5210.37	7.62	529	4.3	161
11/3/00	5211.57	7.63	527	4.9	160
11/16/00	5211.82	7.77	528	4.6	160
12/1/00	5211.32	7.53	515	4.6	160
12/15/00	5212.37	7.50	514	4.4	157
12/29/00	5212.32	7.27	513	4.5	158



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD408**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5202.53	7.50	510	4.9	163
10/20/00	5202.55	7.62	528	5.1	163
11/3/00	5203.16	7.57	526	4.7	162
11/16/00	5203.36	7.75	525	4.7	160
12/1/00	5201.51	7.47	516	4.6	162
12/15/00	5203.56	7.58	515	4.7	159
12/29/00	5203.31	7.33	515	4.8	160

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD409**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5204.49	7.56	502	4.6	163
10/20/00	5204.56	7.55	517	4.6	164
11/3/00	5205.18	7.57	517	4.3	163
11/16/00	5205.28	7.76	515	4.4	162
12/1/00	5205.38	7.54	507	4.6	162
12/15/00	5205.63	7.59	508	4.5	159
12/29/00	5205.58	7.37	505	4.6	160

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD410**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=579</b>	<b>UCL=19</b>	<b>UCL=176</b>
10/6/00	5221.99	7.64	520	4.2	158
10/20/00	5222.39	7.64	540	4.5	160
11/3/00	5223.44	7.72	539	4.4	159
11/16/00	5223.59	7.45	534	4.5	160
12/1/00	5223.04	7.65	524	4.3	159
12/15/00	5222.79	7.58	524	4.2	158
12/29/00	5222.54	7.35	525	4.0	159

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MD411**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=579</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=176</b>
10/6/00	5230.86	7.58	519	3.7	159
10/20/00	5231.06	7.53	537	3.9	159
11/3/00	5232.46	7.64	536	4.2	159
11/16/00	5233.16	7.78	534	4.1	158
12/1/00	5231.56	7.45	525	4.3	159
12/15/00	5232.36	7.63	525	3.9	156
12/29/00	5231.91	7.39	520	4.0	156

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS401**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=637</b>	<b>UCL=19</b>	<b>UCL=178</b>
10/6/00	5221.94	7.44	569	2.5	160
10/20/00	5222.28	7.64	588	2.3	160
11/3/00	5224.09	7.53	587	2.0	157
11/16/00	5224.99	7.60	584	2.6	159
12/1/00	5223.54	7.45	575	2.3	159
12/15/00	5224.39	7.47	573	2.3	156
12/29/00	5224.24	7.27	572	2.7	157

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS402**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=637</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=178</b>
10/6/00	5220.66	7.44	564	2.5	162
10/20/00	5221.16	7.54	583	2.7	162
11/3/00	5222.16	7.53	584	2.1	158
11/16/00	5223.01	7.61	580	2.9	161
12/1/00	5222.41	7.44	570	2.9	165
12/15/00	5223.11	7.46	570	2.6	158
12/29/00	5223.06	7.26	568	2.7	158

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS403**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=637</b>	<b>UCL=19</b>	<b>UCL=178</b>
10/6/00	5218.53	7.47	556	2.6	162
10/20/00	5219.08	7.57	575	2.4	162
11/3/00	5220.63	7.56	578	2.0	159
11/16/00	5221.38	7.60	572	2.2	161
12/1/00	5220.43	7.44	561	2.6	161
12/15/00	5221.18	7.52	563	2.2	158
12/29/00	5220.93	7.27	561	2.1	158

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS404**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=637</b>	<b>UCL=19</b>	<b>UCL=178</b>
10/6/00	5218.14	7.56	550	3.0	162
10/20/00	5219.10	7.56	570	2.8	162
11/3/00	5219.91	7.69	566	3.0	161
11/16/00	5220.56	7.63	565	2.8	161
12/1/00	5220.56	7.40	556	2.8	160
12/15/00	5220.01	7.49	558	2.6	157
12/29/00	5219.81	7.23	556	2.8	157



**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS405**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=637</b>	<b>UCL=19</b>	<b>UCL=178</b>
10/6/00	5217.49	7.57	549	3.2	161
10/20/00	5217.99	7.64	570	3.0	161
11/3/00	5218.84	7.62	571	3.0	159
11/16/00	5219.34	7.62	565	3.0	160
12/1/00	5219.49	7.61	556	3.0	159
12/15/00	5219.54	7.48	554	3.2	158
12/29/00	5219.69	7.27	554	3.1	157

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS406**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=637</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=178</b>
10/6/00	5216.03	7.53	541	3.7	160
10/20/00	5216.56	7.56	560	3.5	161
11/3/00	5217.43	7.60	560	3.4	159
11/16/00	5217.98	7.61	558	3.5	160
12/1/00	5218.13	7.42	549	3.3	159
12/15/00	5218.03	7.50	549	3.3	156
12/29/00	5214.43	7.22	547	3.5	156

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS407**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=637</b>	<b>UCL=19</b>	<b>UCL=178</b>
10/6/00	5214.60	7.49	532	3.0	161
10/20/00	5214.92	7.62	551	3.5	161
11/3/00	5216.56	7.54	550	3.0	157
11/16/00	5217.11	7.68	546	3.5	160
12/1/00	5216.61	7.48	538	3.3	159
12/15/00	5216.61	7.63	541	3.3	157
12/29/00	5216.11	7.33	537	3.2	157

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS408**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=637</b>	<b>UCL=19</b>	<b>UCL=178</b>
10/6/00	5214.33	7.56	544	3.5	159
10/20/00	5214.81	7.56	560	3.2	159
11/3/00	5215.76	7.51	560	3.2	156
11/16/00	5216.36	7.60	558	3.3	158
12/1/00	5215.41	7.49	549	3.5	158
12/15/00	5217.56	7.54	548	3.3	156
12/29/00	5217.26	7.31	546	2.6	156

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS409**

<b>Date</b>			<b>SC @ 25 C</b>	<b>Cl</b>	<b>Alkalinity</b>
<b>Water Level</b>	<b>MSL</b>	<b>pH</b>	<b>(umoh/cm)</b>	<b>(mg/l)</b>	<b>CaCO3 (mg/l)</b>
			<b>UCL=637</b>	<b>UCL=19</b>	<b>UCL=178</b>
10/6/00	5213.74	7.49	546	2.6	161
10/20/00	5214.96	7.63	564	2.8	162
11/3/00	5215.89	7.54	562	2.9	158
11/16/00	5216.44	7.59	559	2.6	161
12/1/00	5215.74	7.43	549	2.8	160
12/15/00	5217.59	7.50	548	3.1	157
12/29/00	5217.14	7.26	547	3.0	157

**RIO ALGOM MINING CORP.**  
**Smith Ranch Facility**  
**Monitor Wells - Wellfield #4**

**Monitor Well - MS411**

<b>Date</b>	<b>MSL</b>	<b>pH</b>	<b>SC @ 25 C (umoh/cm) UCL=637</b>	<b>Cl (mg/l) UCL=19</b>	<b>Alkalinity CaCO3 (mg/l) UCL=178</b>
10/6/00	5223.53	7.45	587	2.1	166
10/20/00	5224.08	7.53	607	2.0	166
11/3/00	5225.73	7.54	606	2.1	162
11/16/00	5226.73	7.69	603	2.3	165
12/1/00	5225.08	7.50	593	2.1	164
12/15/00	5226.08	7.49	591	2.1	162
12/29/00	5225.93	7.26	593	2.2	162