



Rio Algom

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Return Receipt Requested

January 16, 2001

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

RE: 4th 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 4th 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

*Add Phillip Ting
to cc's*

NMSSD/PUBLIC

QUARTERLY MIT REPORT

10/1/00-12/31/00

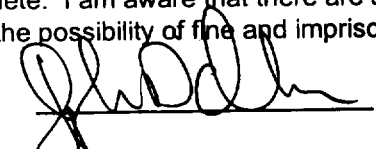
| WELL NUMBER | MIT DATE | PASS | FAIL | CERTIFICATION | COMMENTS |
|-------------|----------|------|------|---------------|---------------------|
| 3I-134 | 10/24/00 | X | | | WORKOVER |
| 3I-192 | 12/19/00 | | X | " | TO PLUG AND ABANDON |
| 4P-282 | 10/10/00 | X | | " | |
| 4P-283 | 10/2/00 | X | | " | |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=692 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=236 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=692 | UCL=19 | UCL=236 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1259 | UCL=17 | UCL=239 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1259 | Cl (mg/l) UCL=17 | Alkalinity CaCO3 (mg/l) UCL=239 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1259 | UCL=17 | UCL=239 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1259 | Cl (mg/l) UCL=17 | Alkalinity CaCO3 (mg/l) UCL=239 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1259 | UCL=17 | UCL=239 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1259 | UCL=17 | UCL=239 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1259 | UCL=17 | UCL=239 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1259 | Cl (mg/l) UCL=17 | Alkalinity CaCO3 (mg/l) UCL=239 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1259 | UCL=17 | UCL=239 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1259 | UCL=17 | UCL=239 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1259 | Cl (mg/l) UCL=17 | Alkalinity CaCO3 (mg/l) UCL=239 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=765 | Cl (mg/l) UCL=20 | Alkalinity CaCO3 (mg/l) UCL=247 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=765 | UCL=20 | UCL=247 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|--------------------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO₃ (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1131 | UCL=18 | UCL=222 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1131 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=222 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=496 | UCL=18 | UCL=171 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=496 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=171 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=496 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=171 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=496 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=171 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=496 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=171 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=496 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=171 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=496 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=171 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=496 | UCL=18 | UCL=171 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=496 | UCL=18 | UCL=171 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=496 | Cl (mg/l) UCL=18 | Alkalinity CaCO3 (mg/l) UCL=171 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1321 | UCL=22 | UCL=353 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1321 | UCL=22 | UCL=353 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1321 | UCL=22 | UCL=353 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=1321 | UCL=22 | UCL=353 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=1321 | Cl (mg/l) UCL=22 | Alkalinity CaCO3 (mg/l) UCL=353 |
|-------------|------------|-----------|---|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=708 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=177 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=708 | UCL=19 | UCL=177 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=579 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=176 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=579 | UCL=19 | UCL=176 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=579 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=176 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=579 | UCL=19 | UCL=176 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=579 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=176 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=579 | UCL=19 | UCL=176 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=579 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=176 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=579 | UCL=19 | UCL=176 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=579 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=176 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=579 | UCL=19 | UCL=176 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=579 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=176 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=637 | UCL=19 | UCL=178 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=637 | UCL=19 | UCL=178 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=637 | UCL=19 | UCL=178 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=637 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=178 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=637 | UCL=19 | UCL=178 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=637 | UCL=19 | UCL=178 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=637 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=178 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=637 | UCL=19 | UCL=178 |
| 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

| Date | | | SC @ 25 C | Cl | Alkalinity |
|--------------------|------------|-----------|------------------|---------------|---------------------|
| Water Level | MSL | pH | (umoh/cm) | (mg/l) | CaCO3 (mg/l) |
| | | | UCL=637 | UCL=19 | UCL=178 |
| 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

| Date | MSL | pH | SC @ 25 C (umoh/cm) UCL=637 | Cl (mg/l) UCL=19 | Alkalinity CaCO3 (mg/l) UCL=178 |
|-------------|------------|-----------|--|---------------------------------|--|
| 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 |