60001826

Mining District File Summary Sheet

| | |
|---|---|
| DISTRICT | Rosebud |
| DIST_NO | 4010 |
| COUNTY<br>If different from written on document | Pershing |
| TITLE<br>If not obvious | Rosebud – Mother Lode Field Sheets |
| AUTHOR | Clayton, R; Lisle, R; Allen K; Vance R; Rogowski, P; Mackedon L; Langstaff G |
| DATE OF DOC(S) | 1998–1999 |
| MULTI_DIST Y / N?<br>Additional Dist_Nos: | |
| QUAD_NAME | Sulphur 7½' |
| P_M_C_NAME<br>(mine, claim & company names) | Rosebud Mine; Motherlode; Newmont Gold Co, East Dreamland |
| COMMODITY<br>If not obvious | gold; silver |
| NOTES | Geologic map; handwritten notes; assays; field sheets; Drill Log for RS-424; geology<br>46p. |

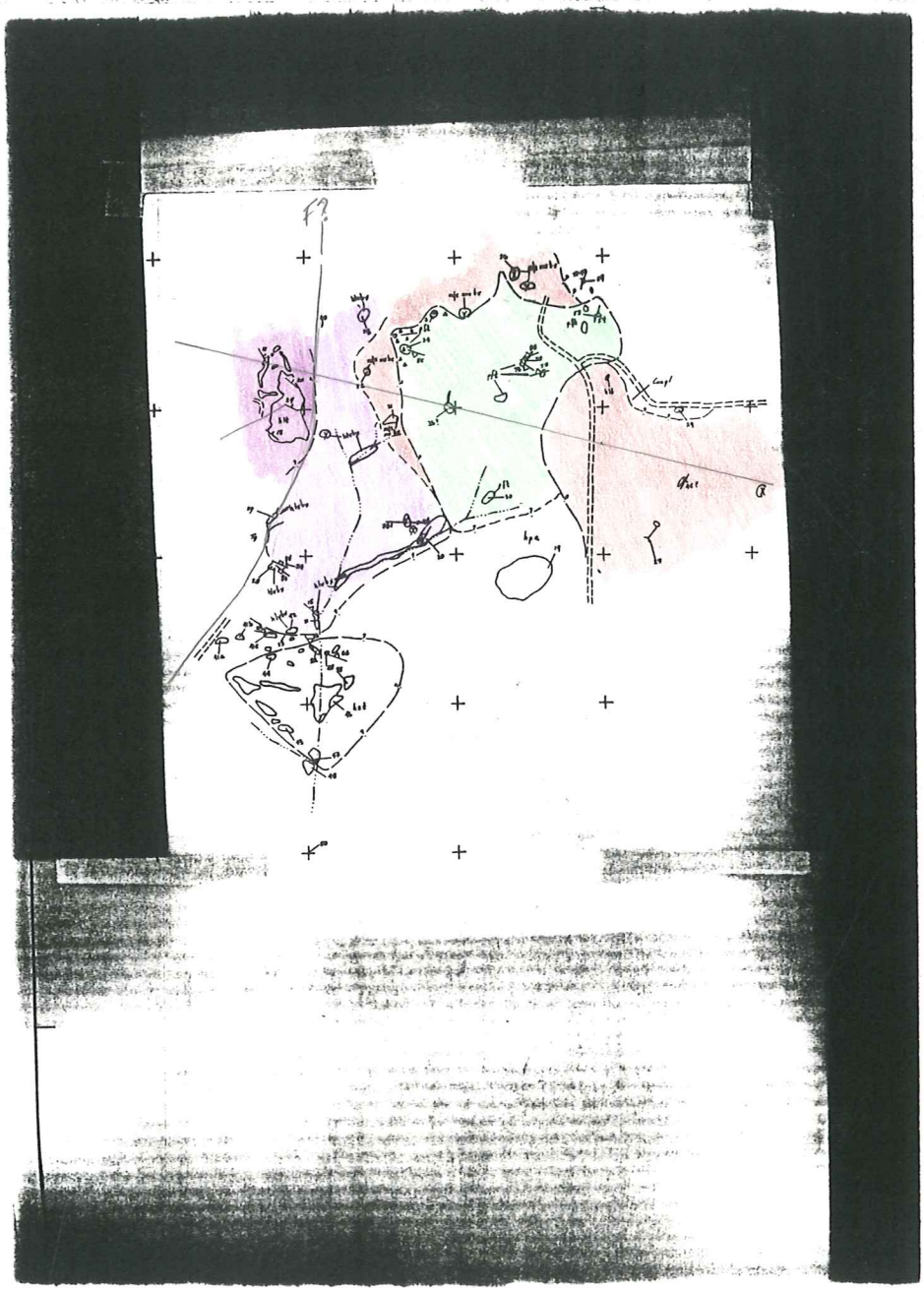
Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

SS: DP 7/31/08
Initials Date
DB:
Initials Date
SCANNED:
Initials Date

Revised: 1/22/08

ROSEBUD MOTHER LODE
FIELD SHEETS 1:2400
MOTHER LODE

6000 1826 400



1:6000 Cross section reduction

Mother Lode "NW"

center of the road

| | | | | |
|---|---|---|---|---|
| 1382 | 2206882.0 | 480690.1 | 5503.5 | RB9F |
| 1383 | 2206868.9 | 480689.1 | 5501.3 | RB9L |
| 1384 | 2206864.8 | 480682.8 | 5501.7 | RB9DB |
| 1385 | 2206877.0 | 480692.2 | 5502.6 | RANDYS RB9 |

Field Stk Out

Randys SWAG

| | | | | |
|---|---|---|---|---|
| RB9DB | 2206865 | 480683 | 5520 | COLLAR TABLE |
| RB9F | 2206882 | 480690 | 5508 | FREEPORT |
| RB9L | 2206869 | 480689 | 5502 | LAC |

Data base

0720- Rosebud Meeting Tuesday 27-4-99

Ron Clayton
Rick Lisle
Kurt Allen
Randy Vance
Pete Rogowski

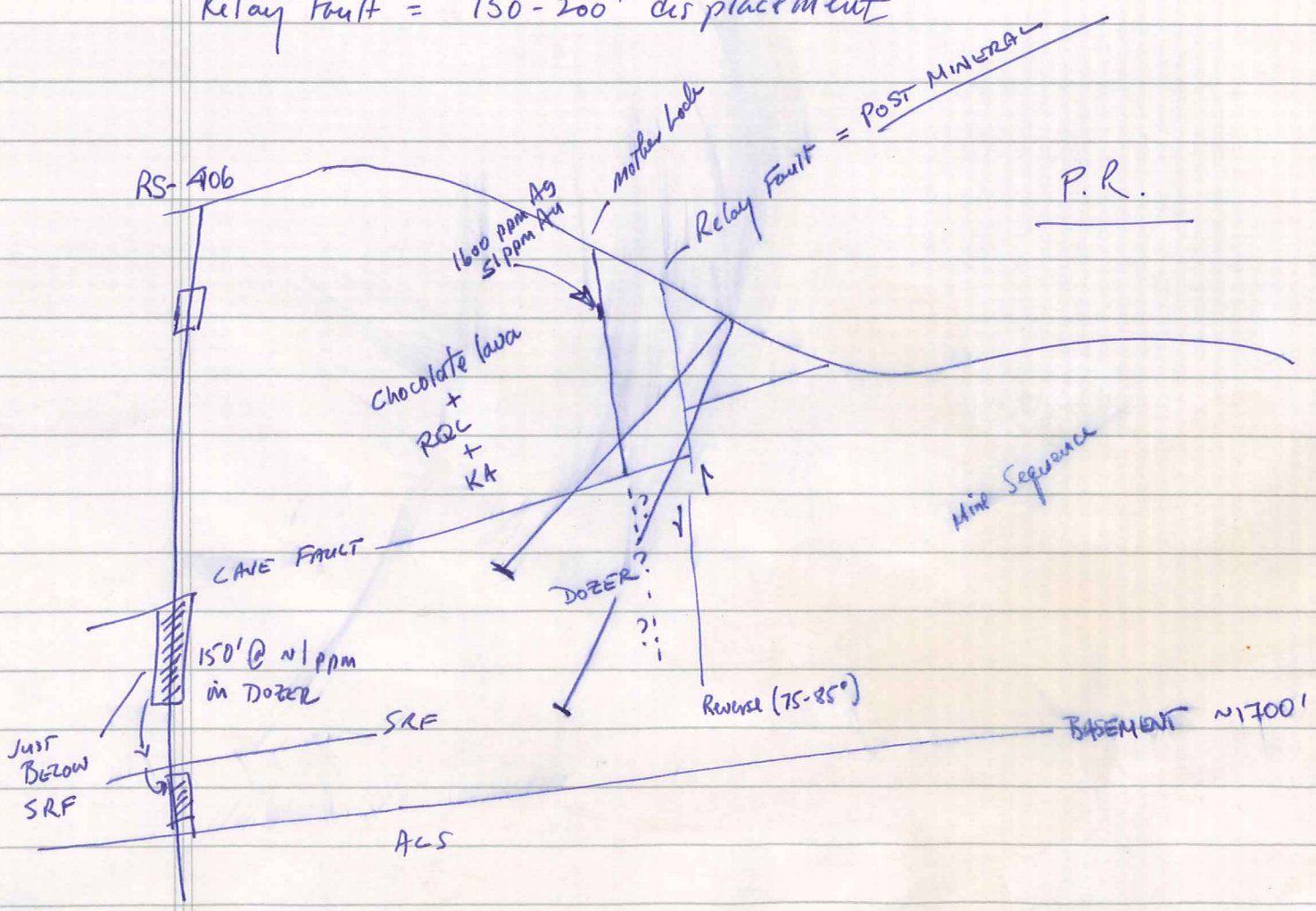
Craig Styles?
Holly? 20 days (3-4 weeks)

Max Kingsley

I Cave fault = 6800 feet displacement = KA
+3000 feet P.R.

Mother Lode = ?

Relay Fault = 150-200' displacement



| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RL-110C | 0 | 5 | 0.0005 | 0 |
| RL-110C | 5 | 10 | 0.003 | 0.17 |
| RL-110C | 10 | 15 | 0.002 | 0.11 |
| RL-110C | 15 | 20 | 0.002 | 0.12 |
| RL-110C | 20 | 25 | 0.001 | 0.13 |
| RL-110C | 25 | 30 | 0.002 | 0.14 |
| RL-110C | 30 | 35 | 0.0005 | 0.11 |
| RL-110C | 35 | 40 | 0.0005 | 0 |
| RL-110C | 40 | 45 | 0.0005 | 0 |
| RL-110C | 45 | 50 | 0.0005 | 0 |
| RL-110C | 50 | 55 | 0.0005 | 0.13 |
| RL-110C | 55 | 60 | 0.0005 | 0 |
| RL-110C | 60 | 65 | 0.0005 | 0 |
| RL-110C | 65 | 70 | 0.0005 | 0 |
| RL-110C | 70 | 75 | 0.0005 | 0 |
| RL-110C | 75 | 80 | 0.0005 | 0 |
| RL-110C | 80 | 85 | 0.0005 | 0 |
| RL-110C | 85 | 90 | 0.0005 | 0.14 |
| RL-110C | 90 | 95 | 0.0005 | 0 |
| RL-110C | 95 | 100 | 0.0005 | 0 |
| RL-110C | 100 | 105 | 0.0005 | 0 |
| RL-110C | 105 | 110 | 0.001 | 0 |
| RL-110C | 110 | 115 | 0.001 | 0 |
| RL-110C | 115 | 120 | 0.003 | 0 |
| RL-110C | 120 | 125 | 0.004 | 0 |
| RL-110C | 125 | 130 | 0.01 | 0 |
| RL-110C | 130 | 135 | 0.004 | 0 |
| RL-110C | 135 | 140 | 0.001 | 0 |
| RL-110C | 140 | 145 | 0.003 | 0 |
| RL-110C | 145 | 150 | 0.01 | 0 |
| RL-110C | 150 | 155 | 0.002 | 0 |
| RL-110C | 155 | 160 | 0.002 | 0.12 |
| RL-110C | 160 | 165 | 0.004 | 0.13 |
| RL-110C | 165 | 170 | 0.002 | 0 |
| RL-110C | 170 | 175 | 0.004 | 0 |
| RL-110C | 175 | 180 | 0.003 | 0 |
| RL-110C | 180 | 185 | 0.003 | 0.13 |
| RL-110C | 185 | 190 | 0.01 | 0 |
| RL-110C | 190 | 195 | 0.004 | 0.28 |
| RL-110C | 195 | 200 | 0.02 | 2.72 |
| RL-110C | 200 | 205 | 0.003 | 0.26 |
| RL-110C | 205 | 210 | 0.002 | 0.27 |
| RL-110C | 210 | 215 | 0.002 | 0.2 |
| RL-110C | 215 | 220 | 0.001 | 0.16 |
| RL-110C | 220 | 225 | 0.003 | 0 |
| RL-110C | 225 | 230 | 0.003 | 0.23 |
| RL-110C | 230 | 235 | 0.002 | 0 |
| RL-110C | 235 | 240 | 0.001 | 0.13 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS448 | 0 | 5 | 0.0005 | 0.01 |
| RS448 | 5 | 10 | 0.0005 | 0.01 |
| RS448 | 10 | 15 | 0.005 | 0.06 |
| RS448 | 15 | 20 | 0.011 | 0.08 |
| RS448 | 20 | 25 | 0.005 | 0.09 |
| RS448 | 25 | 30 | 0.002 | 0.17 |
| RS448 | 30 | 35 | 0.003 | 0.05 |
| RS448 | 35 | 40 | 0.001 | 0.05 |
| RS448 | 40 | 45 | 0.0005 | 0.04 |
| RS448 | 45 | 50 | 0.0005 | 0.04 |
| RS448 | 50 | 55 | 0.0005 | 0.04 |
| RS448 | 55 | 60 | 0.007 | 0.16 |
| RS448 | 60 | 65 | 0.002 | 0.06 |
| RS448 | 65 | 70 | 0.001 | 0.07 |
| RS448 | 70 | 75 | 0.002 | 0.09 |
| RS448 | 75 | 80 | 0.005 | 0.07 |
| RS448 | 80 | 85 | 0.008 | 0.08 |
| RS448 | 85 | 90 | 0.002 | 0.06 |
| RS448 | 90 | 95 | 0.002 | 0.04 |
| RS448 | 95 | 100 | 0.003 | 0.04 |
| RS448 | 100 | 105 | 0.004 | 0.08 |
| RS448 | 105 | 110 | 0.002 | 0.03 |
| RS448 | 110 | 115 | 0.002 | 0.01 |
| RS448 | 115 | 120 | 0.002 | 0.01 |
| RS448 | 120 | 125 | 0.002 | 0.01 |
| RS448 | 125 | 130 | 0.002 | 0.03 |
| RS448 | 130 | 135 | 0.002 | 0.06 |
| RS448 | 135 | 140 | 0.001 | 0.03 |
| RS448 | 140 | 145 | 0.0005 | 0.01 |
| RS448 | 145 | 150 | 0.002 | 0.05 |
| RS448 | 150 | 155 | 0.002 | 0.04 |
| RS448 | 155 | 160 | 0.001 | 0.01 |
| RS448 | 160 | 165 | 0.0005 | 0.02 |
| RS448 | 165 | 170 | 0.001 | 0.02 |
| RS448 | 170 | 175 | 0.001 | 0.03 |
| RS448 | 175 | 180 | 0.0005 | 0.01 |
| RS448 | 180 | 185 | 0.0005 | 0.01 |
| RS448 | 185 | 190 | 0.002 | 0.01 |
| RS448 | 190 | 195 | 0.004 | 0.06 |
| RS448 | 195 | 200 | 0.004 | 0.1 |
| RS448 | 200 | 205 | 0.003 | 0.12 |
| RS448 | 205 | 210 | 0.002 | 0.08 |
| RS448 | 210 | 215 | 0.004 | 0.07 |
| RS448 | 215 | 220 | 0.007 | 0.11 |
| RS448 | 220 | 225 | 0.005 | 0.13 |
| RS448 | 225 | 230 | 0.002 | 0.29 |
| RS448 | 230 | 235 | 0.002 | 0.12 |
| RS448 | 235 | 240 | 0.003 | 0.08 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RL-110C | 240 | 245 | 0.01 | 0 |
| RL-110C | 245 | 250 | 0.02 | 0.44 |
| RL-110C | 250 | 255 | 0.01 | 0 |
| RL-110C | 255 | 260 | 0.003 | 0 |
| RL-110C | 260 | 265 | 0.003 | 0 |
| RL-110C | 265 | 270 | 0.002 | 0 |
| RL-110C | 270 | 275 | 0.002 | 0 |
| RL-110C | 275 | 280 | 0.0005 | 0 |
| RL-110C | 280 | 285 | 0.0005 | 0 |
| RL-110C | 285 | 290 | 0.001 | 0 |
| RL-110C | 290 | 295 | 0.001 | 0 |
| RL-110C | 295 | 300 | 0.001 | 0.14 |
| RL-110C | 300 | 305 | 0.002 | 0 |
| RL-110C | 305 | 310 | 0.002 | 0.1 |
| RL-110C | 310 | 315 | 0.004 | 0.19 |
| RL-110C | 315 | 320 | 0.004 | 0 |
| RL-110C | 320 | 325 | 0.01 | 0 |
| RL-110C | 325 | 330 | 0.01 | 0.22 |
| RL-110C | 330 | 335 | 0.004 | 0.19 |
| RL-110C | 335 | 340 | 0.003 | 0.14 |
| RL-110C | 340 | 345 | 0.003 | 0.13 |
| RL-110C | 345 | 350 | 0.002 | 0.1 |
| RL-110C | 350 | 355 | 0.002 | 0 |
| RL-110C | 355 | 360 | 0.01 | 0.18 |
| RL-110C | 360 | 365 | 0.01 | 0.11 |
| RL-110C | 365 | 370 | 0.003 | 0 |
| RL-110C | 370 | 375 | 0.004 | 0 |
| RL-110C | 375 | 380 | 0.003 | 0.14 |
| RL-110C | 380 | 385 | 0.01 | 0.12 |
| RL-110C | 385 | 390 | 0.01 | 0.24 |
| RL-110C | 390 | 395 | 0.01 | 0 |
| RL-110C | 395 | 400 | 0.002 | 0 |
| RL-110C | 400 | 405 | 0.0005 | 0 |
| RL-110C | 405 | 410 | 0.001 | 0 |
| RL-110C | 410 | 415 | 0.002 | 0 |
| RL-110C | 415 | 420 | 0.0005 | 0.13 |
| RL-110C | 420 | 425 | 0.0005 | 0 |
| RL-110C | 425 | 430 | 0.0005 | 0 |
| RL-110C | 430 | 435 | 0.0005 | 0 |
| RL-110C | 435 | 440 | 0.0005 | 0 |
| RL-110C | 440 | 445 | 0.003 | 0 |
| RL-110C | 445 | 450 | 0.0005 | 0.14 |
| RL-110C | 450 | 455 | 0.001 | 0 |
| RL-110C | 455 | 460 | 0.002 | 0 |
| RL-110C | 460 | 465 | 0.001 | 0 |
| RL-110C | 555 | 560 | 0.0005 | 0 |
| RL-110C | 560 | 565 | 0.0005 | 0 |
| RL-110C | 565 | 570 | 0.0005 | 0 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS448 | 240 | 245 | 0.0005 | 0.02 |
| RS448 | 245 | 250 | 0.0005 | 0.01 |
| RS448 | 250 | 255 | 0.0005 | 0.01 |
| RS448 | 255 | 260 | 0.0005 | 0.02 |
| RS448 | 260 | 265 | 0.001 | 0.06 |
| RS448 | 265 | 270 | 0.001 | 0.05 |
| RS448 | 270 | 275 | 0.001 | 0.06 |
| RS448 | 275 | 280 | 0.0005 | 0.04 |
| RS448 | 280 | 285 | 0.0005 | 0.03 |
| RS448 | 285 | 290 | 0.0005 | 0.01 |
| RS448 | 290 | 295 | 0.0005 | 0.01 |
| RS448 | 295 | 300 | 0.0005 | 0.01 |
| RS448 | 300 | 305 | 0.0005 | 0.01 |
| RS448 | 305 | 310 | 0.0005 | 0.01 |
| RS448 | 310 | 315 | 0.0005 | 0.01 |
| RS448 | 315 | 320 | 0.0005 | 0.01 |
| RS448 | 320 | 325 | 0.0005 | 0.01 |
| RS448 | 325 | 330 | 0.0005 | 0.01 |
| RS448 | 330 | 335 | 0.002 | 0.02 |
| RS448 | 335 | 340 | 0.003 | 0.03 |
| RS448 | 340 | 345 | 0.003 | 0.02 |
| RS448 | 345 | 350 | 0.001 | 0.01 |
| RS448 | 350 | 355 | 0.0005 | 0.02 |
| RS448 | 355 | 360 | 0.0005 | 0.01 |
| RS448 | 360 | 365 | 0.0005 | 0.02 |
| RS448 | 365 | 370 | 0.0005 | 0.01 |
| RS448 | 370 | 375 | 0.001 | 0.01 |
| RS448 | 375 | 380 | 0.0005 | 0.01 |
| RS448 | 380 | 385 | 0.0005 | 0.01 |
| RS448 | 385 | 390 | 0.0005 | 0.01 |
| RS448 | 390 | 395 | 0.0005 | 0.01 |
| RS448 | 395 | 400 | 0.0005 | 0.01 |
| RS448 | 400 | 405 | 0.002 | 0.04 |
| RS448 | 405 | 410 | 0.0005 | 0.03 |
| RS448 | 410 | 415 | 0.002 | 0.01 |
| RS448 | 415 | 420 | 0.001 | 0.02 |
| RS448 | 420 | 425 | 0.0005 | 0.01 |
| RS448 | 425 | 430 | 0.003 | 0.05 |
| RS448 | 430 | 435 | 0.002 | 0.01 |
| RS448 | 435 | 440 | 0.0005 | 0.01 |
| RS448 | 440 | 445 | 0.0005 | 0.01 |
| RS448 | 445 | 450 | 0.002 | 0.01 |
| RS448 | 450 | 455 | 0.0005 | 0.01 |
| RS448 | 455 | 460 | 0.0005 | 0.01 |
| RS448 | 460 | 465 | 0.0005 | 0.01 |
| RS448 | 465 | 470 | 0.0005 | 0.01 |
| RS448 | 470 | 475 | 0.0005 | 0.01 |
| RS448 | 475 | 480 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RL-110C | 570 | 575 | 0.0005 | 0 |
| RL-110C | 575 | 580 | 0.0005 | 0.16 |
| RL-110C | 580 | 585 | 0.0005 | 0 |
| RL-110C | 861 | 867 | 0.0005 | 0 |
| RL-110C | 867 | 872 | 0.001 | 0 |
| RL-110C | 872 | 877 | 0.0005 | 0.13 |
| RL-110C | 877 | 882 | 0.0005 | 0.15 |
| RL-110C | 882 | 887 | 0.0005 | 0.11 |
| RL-110C | 887 | 892 | 0.0005 | 0 |
| RL-110C | 1142 | 1147 | 0.0005 | 0 |
| RL-110C | 1147 | 1152 | 0.0005 | 0 |
| RL-110C | 1152 | 1157 | 0.0005 | 0 |
| RL-110C | 1157 | 1162 | 0.0005 | 0 |
| RL-110C | 1162 | 1167.5 | 0.0005 | 0.11 |
| RL-110C | 1167.5 | 1174 | 0.0005 | 0 |
| RL-110C | 1174 | 1178 | 0.0005 | 0 |
| RL-110C | 1178 | 1182 | 0.01 | 0 |
| RL-110C | 1182 | 1187.5 | 0.004 | 0 |
| RL-110C | 1187.5 | 1193.5 | 0.004 | 0.15 |
| RL-110C | 1193.5 | 1197.5 | 0.08 | 0.24 |
| RL-110C | 1197.5 | 1202 | 0.02 | 0 |
| RL-110C | 1202 | 1207 | 0.01 | 0.15 |
| RL-110C | 1207 | 1211 | 0.0005 | 0.2 |
| RL-110C | 1211 | 1217 | 0.0005 | 0.2 |
| RL-110C | 1217 | 1222 | 0.0005 | 0.26 |
| RL-110C | 1222 | 1227 | 0.0005 | 0 |
| RL-110C | 1227 | 1232 | 0.0005 | 0.28 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS448 | 480 | 485 | 0.0005 | 0.01 |
| RS448 | 485 | 490 | 0.0005 | 0.01 |
| RS448 | 490 | 495 | 0.0005 | 0.01 |
| RS448 | 495 | 500 | 0.0005 | 0.01 |
| RS448 | 500 | 505 | 0.0005 | 0.01 |
| RS448 | 505 | 510 | 0.0005 | 0.01 |
| RS448 | 510 | 515 | 0.0005 | 0.01 |
| RS448 | 515 | 520 | 0.0005 | 0.01 |
| RS448 | 520 | 525 | 0.0005 | 0.01 |
| RS448 | 525 | 530 | 0.0005 | 0.01 |
| RS448 | 530 | 535 | 0.0005 | 0.01 |
| RS448 | 535 | 540 | 0.0005 | 0.01 |
| RS448 | 540 | 545 | 0.0005 | 0.01 |
| RS448 | 545 | 550 | 0.0005 | 0.01 |
| RS448 | 550 | 555 | 0.0005 | 0.01 |
| RS448 | 555 | 560 | 0.0005 | 0.01 |
| RS448 | 560 | 565 | 0.0005 | 0.01 |
| RS448 | 565 | 570 | 0.0005 | 0.01 |
| RS448 | 570 | 575 | 0.0005 | 0.01 |
| RS448 | 575 | 580 | 0.0005 | 0.01 |
| RS448 | 580 | 585 | 0.0005 | 0.01 |
| RS448 | 585 | 590 | 0.0005 | 0.01 |
| RS448 | 590 | 595 | 0.0005 | 0.01 |
| RS448 | 595 | 600 | 0.0005 | 0.01 |
| RS448 | 600 | 605 | 0.0005 | 0.01 |
| RS448 | 605 | 610 | 0.0005 | 0.01 |
| RS448 | 610 | 615 | 0.0005 | 0.01 |
| RS448 | 615 | 620 | 0.0005 | 0.01 |
| RS448 | 620 | 625 | 0.0005 | 0.01 |
| RS448 | 625 | 630 | 0.0005 | 0.01 |
| RS448 | 630 | 635 | 0.0005 | 0.01 |
| RS448 | 635 | 640 | 0.0005 | 0.01 |
| RS448 | 640 | 645 | 0.0005 | 0.01 |
| RS448 | 645 | 650 | 0.0005 | 0.01 |
| RS448 | 650 | 655 | 0.0005 | 0.01 |
| RS448 | 655 | 660 | 0.0005 | 0.01 |
| RS448 | 660 | 665 | 0.0005 | 0.01 |
| RS448 | 665 | 670 | 0.0005 | 0.01 |
| RS448 | 670 | 675 | 0.0005 | 0.01 |
| RS448 | 675 | 680 | 0.0005 | 0.01 |
| RS448 | 680 | 685 | 0.0005 | 0.01 |
| RS448 | 685 | 690 | 0.0005 | 0.01 |
| RS448 | 690 | 695 | 0.0005 | 0.01 |
| RS448 | 695 | 700 | 0.0005 | 0.01 |
| RS448 | 700 | 705 | 0.0005 | 0.01 |
| RS448 | 705 | 710 | 0.0005 | 0.01 |
| RS448 | 710 | 715 | 0.0005 | 0.01 |
| RS448 | 715 | 720 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS448 | 720 | 725 | 0.0005 | 0.01 |
| RS448 | 725 | 730 | 0.0005 | 0.01 |
| RS448 | 730 | 735 | 0.0005 | 0.01 |
| RS448 | 735 | 740 | 0.0005 | 0.01 |
| RS448 | 740 | 745 | 0.0005 | 0.01 |
| RS448 | 745 | 750 | 0.0005 | 0.01 |
| RS448 | 750 | 755 | 0.0005 | 0.01 |
| RS448 | 755 | 760 | 0.0005 | 0.01 |
| RS448 | 760 | 765 | 0.0005 | 0.01 |
| RS448 | 765 | 770 | 0.0005 | 0.01 |
| RS448 | 770 | 775 | 0.0005 | 0.01 |
| RS448 | 775 | 780 | 0.0005 | 0.01 |
| RS448 | 780 | 785 | 0.0005 | 0.01 |
| RS448 | 785 | 790 | 0.0005 | 0.01 |
| RS448 | 790 | 795 | 0.0005 | 0.01 |
| RS448 | 795 | 800 | 0.0005 | 0.01 |
| RS448 | 800 | 805 | 0.0005 | 0.01 |
| RS448 | 805 | 810 | 0.0005 | 0.01 |
| RS448 | 810 | 815 | 0.0005 | 0.01 |
| RS448 | 815 | 820 | 0.0005 | 0.01 |
| RS448 | 820 | 825 | 0.0005 | 0.01 |
| RS448 | 825 | 830 | 0.0005 | 0.01 |
| RS448 | 830 | 835 | 0.0005 | 0.01 |
| RS448 | 835 | 840 | 0.0005 | 0.01 |
| RS448 | 840 | 845 | 0.0005 | 0.01 |
| RS448 | 845 | 850 | 0.0005 | 0.01 |
| RS448 | 850 | 855 | 0.0005 | 0.01 |
| RS448 | 855 | 860 | 0.0005 | 0.01 |
| RS448 | 860 | 865 | 0.0005 | 0.01 |
| RS448 | 865 | 870 | 0.0005 | 0.01 |
| RS448 | 870 | 875 | 0.0005 | 0.01 |
| RS448 | 875 | 880 | 0.0005 | 0.01 |
| RS448 | 880 | 885 | 0.0005 | 0.01 |
| RS448 | 885 | 890 | 0.0005 | 0.01 |
| RS448 | 890 | 895 | 0.0005 | 0.01 |
| RS448 | 895 | 900 | 0.0005 | 0.01 |
| RS448 | 900 | 905 | 0.0005 | 0.01 |
| RS448 | 905 | 910 | 0.0005 | 0.01 |
| RS448 | 910 | 915 | 0.0005 | 0.01 |
| RS448 | 915 | 920 | 0.0005 | 0.01 |
| RS448 | 920 | 925 | 0.0005 | 0.01 |
| RS448 | 925 | 930 | 0.0005 | 0.01 |
| RS448 | 930 | 935 | 0.0005 | 0.01 |
| RS448 | 935 | 940 | 0.0005 | 0.01 |
| RS448 | 940 | 945 | 0.0005 | 0.01 |
| RS448 | 945 | 950 | 0.0005 | 0.01 |
| RS448 | 950 | 955 | 0.0005 | 0.01 |
| RS448 | 955 | 960 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS448 | 960 | 965 | 0.0005 | 0.01 |
| RS448 | 965 | 970 | 0.0005 | 0.01 |
| RS448 | 970 | 975 | 0.0005 | 0.01 |
| RS448 | 975 | 980 | 0.0005 | 0.01 |
| RS448 | 980 | 985 | 0.0005 | 0.01 |
| RS448 | 985 | 990 | 0.0005 | 0.01 |
| RS448 | 990 | 995 | 0.0005 | 0.01 |
| RS448 | 995 | 1000 | 0.0005 | 0.01 |
| RS448 | 1000 | 1005 | 0.0005 | 0.01 |
| RS448 | 1005 | 1010 | 0.0005 | 0.01 |
| RS448 | 1010 | 1015 | 0.0005 | 0.01 |
| RS448 | 1015 | 1020 | 0.0005 | 0.01 |
| RS448 | 1020 | 1025 | 0.0005 | 0.01 |
| RS448 | 1025 | 1030 | 0.0005 | 0.01 |
| RS448 | 1030 | 1035 | 0.0005 | 0.01 |
| RS448 | 1035 | 1040 | 0.0005 | 0.01 |
| RS448 | 1040 | 1045 | 0.0005 | 0.01 |
| RS448 | 1045 | 1050 | 0.0005 | 0.01 |
| RS448 | 1050 | 1055 | 0.0005 | 0.01 |
| RS448 | 1055 | 1060 | 0.0005 | 0.01 |
| RS448 | 1060 | 1065 | 0.0005 | 0.01 |
| RS448 | 1065 | 1070 | 0.0005 | 0.01 |
| RS448 | 1070 | 1075 | 0.0005 | 0.01 |
| RS448 | 1075 | 1080 | 0.0005 | 0.01 |
| RS448 | 1080 | 1085 | 0.0005 | 0.01 |
| RS448 | 1085 | 1090 | 0.0005 | 0.01 |
| RS448 | 1090 | 1095 | 0.0005 | 0.01 |
| RS448 | 1095 | 1100 | 0.0005 | 0.01 |
| RS448 | 1100 | 1105 | 0.0005 | 0.04 |
| RS448 | 1105 | 1110 | 0.0005 | 0.04 |
| RS448 | 1110 | 1115 | 0.0005 | 0.04 |
| RS448 | 1120 | 1125 | 0.0005 | 0.01 |
| RS448 | 1125 | 1130 | 0.0005 | 0.01 |
| RS448 | 1130 | 1135 | 0.0005 | 0.01 |
| RS448 | 1135 | 1140 | 0.0005 | 0.03 |
| RS448 | 1140 | 1145 | 0.0005 | 0.02 |
| RS448 | 1145 | 1150 | 0.0005 | 0.01 |
| RS448 | 1150 | 1155 | 0.0005 | 0.03 |
| RS448 | 1155 | 1160 | 0.0005 | 0.02 |
| RS448 | 1160 | 1165 | 0.0005 | 0.05 |
| RS448 | 1165 | 1170 | 0.0005 | 0.02 |
| RS448 | 1170 | 1175 | 0.0005 | 0.03 |
| RS448 | 1175 | 1180 | 0.0005 | 0.07 |
| RS448 | 1180 | 1185 | 0.0005 | 0.03 |
| RS448 | 1185 | 1190 | 0.0005 | 0.03 |
| RS448 | 1190 | 1195 | 0.0005 | 0.03 |
| RS448 | 1195 | 1200 | 0.0005 | 0.04 |
| RS448 | 1200 | 1205 | 0.004 | 0.01 |

Autum
Ms Mason - 303 692-9055
1.877 639 6677

AMERICAN ASSAY LABORATORIES

# PROVISIONAL REPORT SP053635

PO BOX 11530
RENO NV USA
Ph.(775) 356-0606, Fax.(775) 356-1413

## NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW
: R. VANCE
K. Allen

2nd Mother Lode hole

CLIENT REFERENCE No: RS-458 RECEIVED : 1 JUN 1999

No. SAMPLES : 85 REPORTED : 16 JUN 1999

MAIN SAMPLE TYPE : DRILL CUTTINGS

NEVADA LEGISLATIVE DISCLAIMER :
The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

| ANALYSIS | ANALYTICAL METHOD | QUALITY PARAMETER | UNIT | DETECTION |
|---|---|---|---|---|
| Au | FA30 | 15% | ppb | 5 |
| Au(R) | FA30 | 15% | ppb | 5 |
| Au(OZ) | FA30 | 15% | OPT | 0.001 |
| Au(RZ) | FA30 | 15% | OPT | 0.001 |
| Ag | D210 | 10% | ppm | 0.5 |
| Ag(OZ) | D210 | 10% | OPT | 0.02 |

SIGNATORY : Leonard E. Mackedon B.S.



06/16/1999 16:28 7023561413 AMERICAN ASSAY LABS PAGE 01
JUN-16-99 16:24 7023561413 P.01 R-360 Job-723

AMERICAN ASSAY LABORATORIES

# PROVISIONAL REPORT SP053635

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-458

REPORTED : 16 JUN 1999

| SAMPLES | Au | Au(R) | Au(OZ) | Au(RZ) | Ag | Ag(OZ) |
|---|---|---|---|---|---|---|
| RS-458 1350-1355 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1355-1360 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1360-1365 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1365-1370 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1370-1375 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1375-1380 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1380-1385 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1385-1390 | <5 | <5 | <0.001 | <0.001 | <0.5 | <0.02 |
| RS-458 1390-1395 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1395-1400 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1400-1405 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1405-1410 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1410-1415 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1415-1420 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1420-1425 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1425-1430 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1430-1435 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1435-1440 | 33 | 36 | <0.001 | 0.001 | 3.1 | 0.09 |
| ~~RS-458 1435-1440B~~ | ~~990~~ | | ~~0.029~~ | | ~~<0.5~~ | ~~<0.02~~ |
| RS-458 1440-1445 | 128 | 134 | 0.004 | 0.004 | 8.8 | 0.26 |
| RS-458 1445-1450 | <5 | | <0.001 | | 11.5 | 0.34 |
| RS-458 1450-1455 | <5 | | <0.001 | | 0.8 | 0.02 |
| RS-458 1455-1460 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1460-1465 | <5 | | <0.001 | | 0.5 | <0.02 |
| RS-458 1465-1470 | <5 | | <0.001 | | 0.6 | <0.02 |

AMERICAN ASSAY LABORATORIES

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PROJECT : ROSEBUD
REFERENCE : RS-458

REPORTED : 16 JUN 1999

| SAMPLES | Au | Au(R) | Au(OZ) | Au(RZ) | Ag | Ag(OZ) |
|---|---|---|---|---|---|---|
| RS-458 1470-1475 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1475-1480 | <5 | <5 | <0.001 | <0.001 | <0.5 | <0.02 |
| RS-458 1480-1485 | <5 | | <0.001 | | 0.6 | <0.02 |
| RS-458 1485-1490 | <5 | | <0.001 | | 1.0 | 0.03 |
| RS-458 1490-1495 | <5 | | <0.001 | | 2.0 | 0.06 |
| RS-458 1495-1500 | 35 | | 0.001 | | 1.9 | 0.06 |
| RS-458 1500-1505 | 51 | | 0.001 | | 1.0 | 0.03 |
| RS-458 1505-1510 | 23 | | <0.001 | | 1.5 | 0.04 |
| RS-458 1510-1515 | 10 | | <0.001 | | 0.5 | <0.02 |
| RS-458 1515-1520 | <5 | | <0.001 | | 0.9 | 0.03 |
| RS-458 1520-1525 | 24 | | <0.001 | | 0.6 | <0.02 |
| RS-458 1525-1530 | <5 | | <0.001 | | 0.5 | <0.02 |
| RS-458 1530-1535 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1535-1540 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1540-1545 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1545-1550 | 65 | | 0.002 | | 1.6 | 0.05 |
| RS-458 1550-1555 | <5 | | <0.001 | | 0.8 | 0.02 |
| RS-458 1555-1560 | 38 | | 0.001 | | 0.7 | 0.02 |
| RS-458 1560-1565 | 753 | | 0.022 | | 5.6 | 0.16 |
| RS-458 1565-1570 | 108 | | 0.003 | | 1.5 | 0.04 |
| RS-458 1570-1575 | 786 | | 0.023 | | 0.5 | <0.02 |
| RS-458 1575-1580 | 1286 | | 0.038 | | 1.0 | 0.03 |
| RS-458 1580-1585 | 112 | | 0.003 | | 2.4 | 0.07 |
| RS-458 1585-1590 | 18 | | <0.001 | | 2.8 | 0.08 |
| RS-458 1590-1595 | 24 | | <0.001 | | 2.5 | 0.07 |



06/16/1999 16:28 7023561413 AMERICAN ASSAY LABS PAGE 03
JUN-16-99 16:24 7023561413 P.03 R-360 Job-723

AMERICAN ASSAY LABORATORIES

# PROVISIONAL REPORT SP053635

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-458

REPORTED : 16 JUN 1999

| SAMPLES | Au | Au(R) | Au(OZ) | Au(RZ) | Ag | Ag(OZ) |
|---|---|---|---|---|---|---|
| RS-458 1595-1600 | 26 | | <0.001 | | 2.1 | 0.06 |
| ~~RS-458 1595-1600B~~ | ~~158~~ | ~~144~~ | ~~0.005~~ | ~~0.004~~ | ~~<0.5~~ | ~~<0.02~~ |
| RS-458 1600-1605 | <5 | | <0.001 | | 0.5 | <0.02 |
| RS-458 1605-1610 | 10 | | <0.001 | | 1.9 | 0.06 |
| RS-458 1610-1615 | 14 | | <0.001 | | 1.3 | 0.04 |
| RS-458 1615-1620 | 11 | | <0.001 | | 2.3 | 0.07 |
| RS-458 1620-1625 | 8 | | <0.001 | | 2.2 | 0.06 |
| RS-458 1625-1630 | 16 | | <0.001 | | 1.6 | 0.05 |
| RS-458 1630-1635 | 60 | | 0.002 | | 2.2 | 0.06 |
| RS-458 1635-1640 | <5 | | <0.001 | | 1.0 | 0.03 |
| RS-458 1640-1645 | 6 | | <0.001 | | 0.7 | 0.02 |
| RS-458 1645-1650 | 18 | | <0.001 | | 1.6 | 0.05 |
| RS-458 1650-1655 | 16 | | <0.001 | | 3.1 | 0.09 |
| RS-458 1655-1660 | 30 | | <0.001 | | 2.4 | 0.07 |
| RS-458 1660-1665 | <5 | | <0.001 | | 0.7 | 0.02 |
| RS-458 1665-1670 | <5 | | <0.001 | | 0.7 | 0.02 |
| RS-458 1670-1675 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1675-1680 | <5 | | <0.001 | | 0.8 | 0.02 |
| RS-458 1680-1685 | <5 | | <0.001 | | 1.1 | 0.03 |
| RS-458 1685-1690 | <5 | | <0.001 | | 0.8 | 0.02 |
| RS-458 1690-1695 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1695-1700 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1700-1705 | <5 | | <0.001 | | 1.8 | 0.05 |
| RS-458 1705-1710 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1710-1715 | <5 | | <0.001 | | <0.5 | <0.02 |

AMERICAN ASSAY LABORATORIES

# PROVISIONAL REPORT SP053635

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REFERENCE : RS-458

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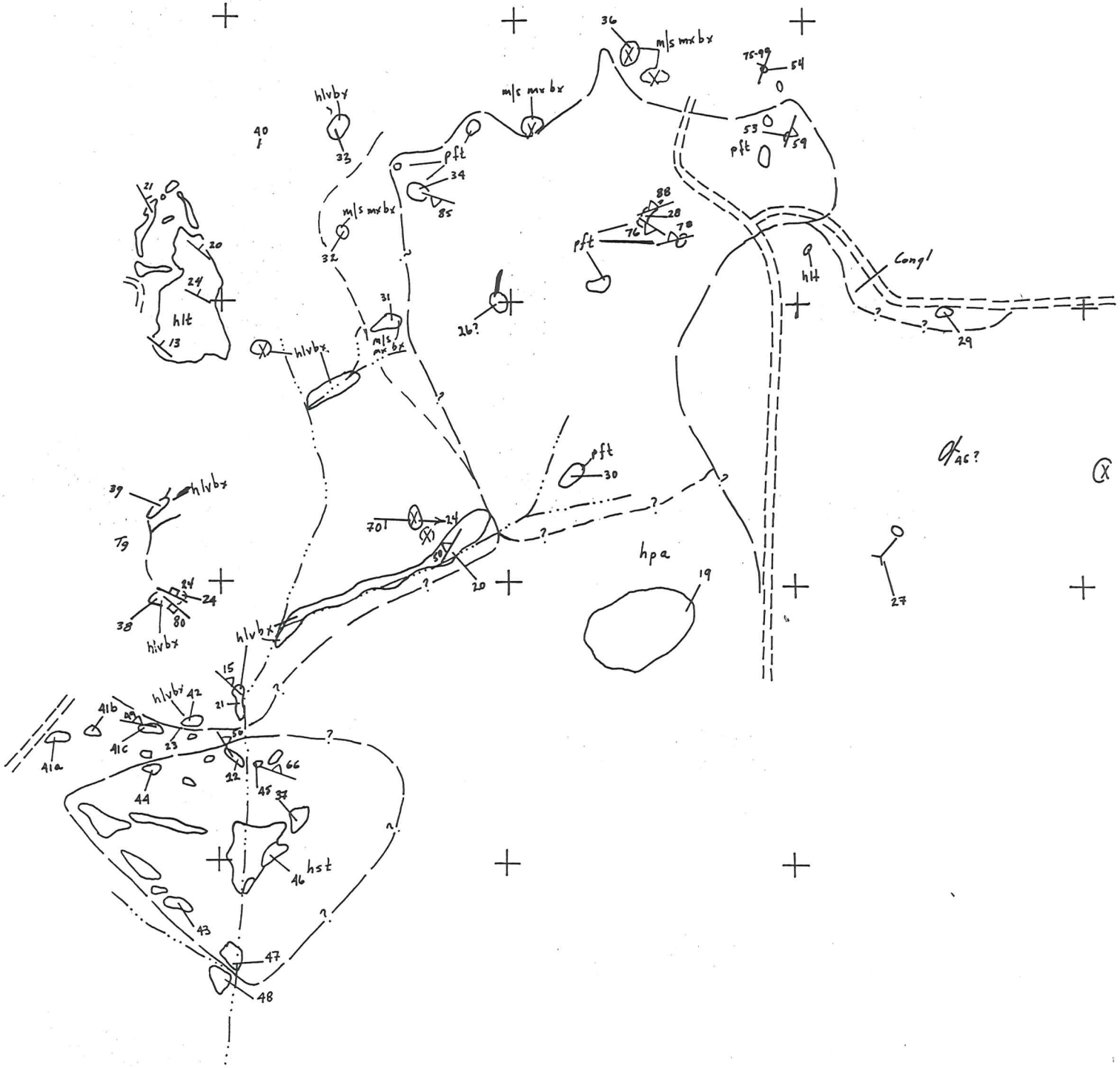
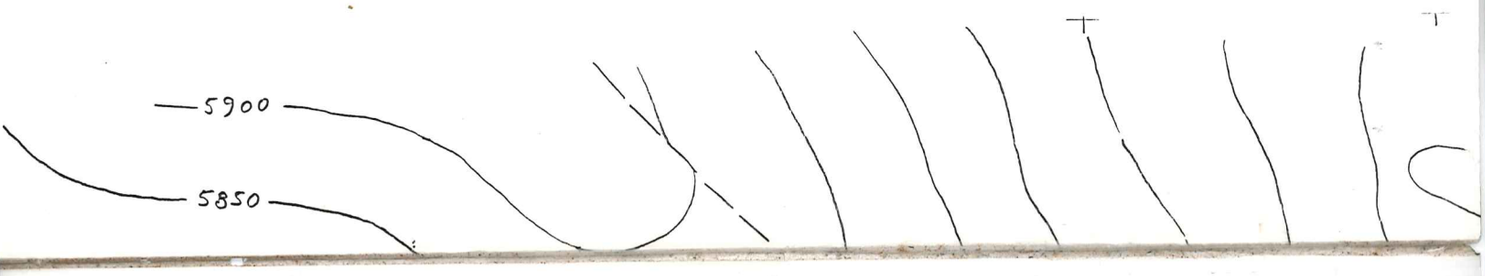
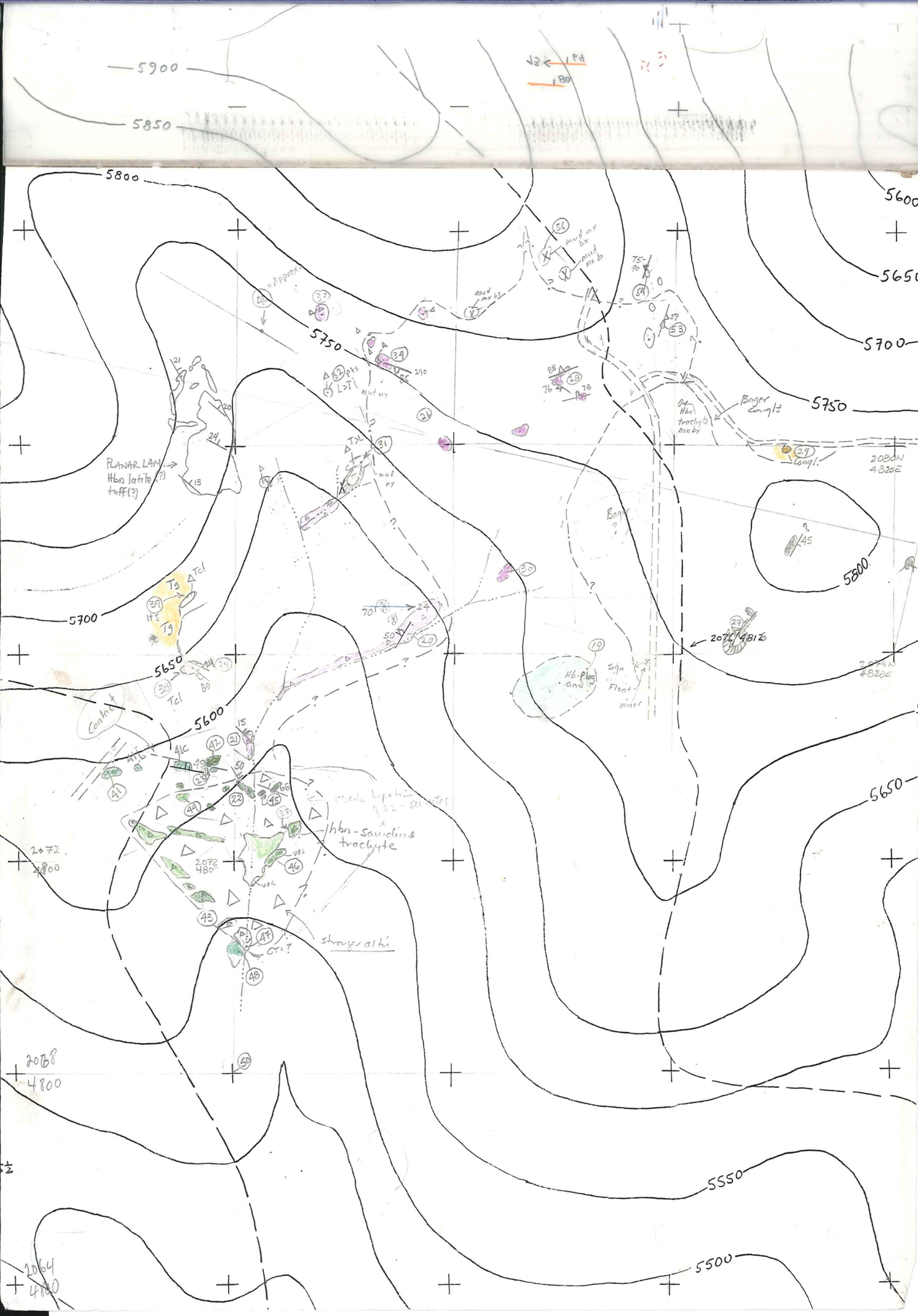
| SAMPLES | Au | Au(R) | Au(OZ) | Au(RZ) | Ag | Ag(OZ) |
|---|---|---|---|---|---|---|
| RS-458 1715-1720 | <5 | | <0.001 | | <0.5 | <0.02 |
| RS-458 1720-1725 | <5 | | <0.001 | | 0.6 | <0.02 |
| RS-458 1725-1730 | 12 | | <0.001 | | 1.5 | 0.04 |
| RS-458 1730-1735 | <5 | | <0.001 | | 1.2 | 0.04 |
| RS-458 1735-1740 | <5 | | <0.001 | | 2.3 | 0.07 |
| RS-458 1740-1745 | <5 | | <0.001 | | 2.3 | 0.07 |
| RS-458 1745-1750 | 14 | | <0.001 | | 2.3 | 0.07 |
| RS-458 1750-1755 | 8 | | <0.001 | | 2.1 | 0.06 |
| RS-458 1755-1760 | <5 | | <0.001 | | 2.5 | 0.07 |
| RS-458 1760-1765 | 8 | | <0.001 | | 1.9 | 0.06 |

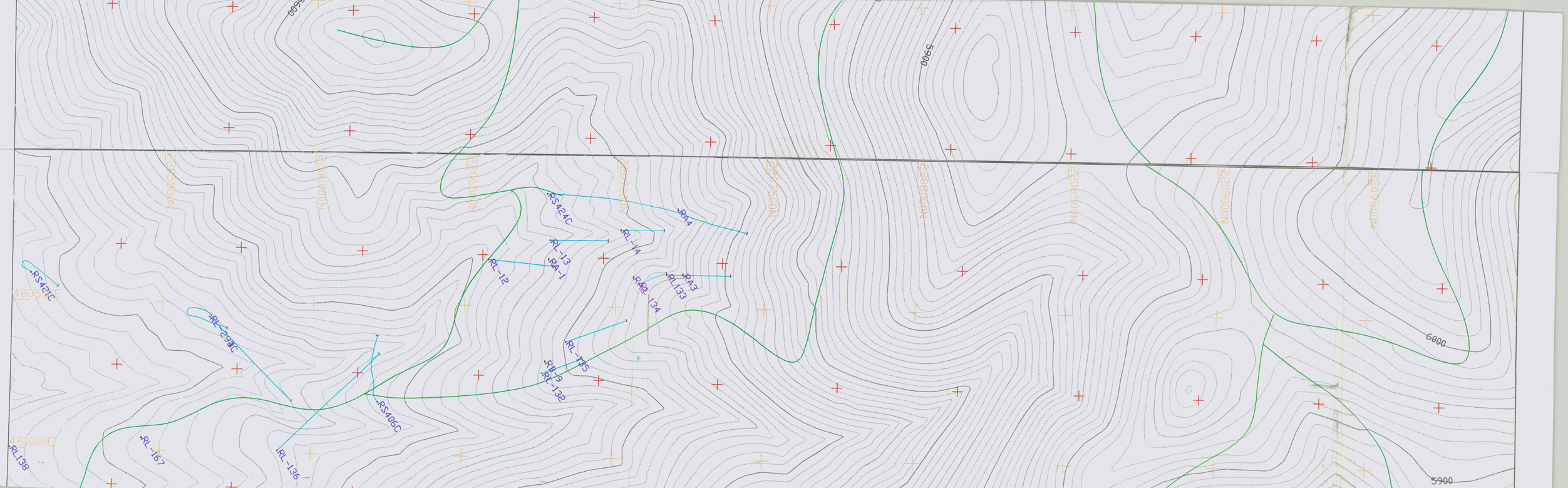

36
m/s mx bx
75-99
54
0
m/s mx bx
hlvbx
33
40
pft
34
85
53
59
pft
m/s mx bx
32
88
28
76
78
pft
hlt
Congl
21
20
24
hlt
13
31
m/s mx bx
26?
hlvbx
29
pft
30
46?
39
hlvbx
Tg
70
24
20
hpa
19
27
24
24
38
80
hlvbx
hlvbx
15
21
hlvbx
42
41b
80
41c
23
56
41a
44
22
45
66
37
46
hst
43
47
48


5900
5850

80
73
64
74
75
70
74
76


5900
5850
5800
5750
5700
5650
5600
5550
5500
PLANAR LAM.
Hbn latite
taff(?)
Tg
Tcl
Hbn-Sauriline
trachyte
stronger altn
Bager
Bager Congl±
Congl.
2080N
4820E
2072
4800
2088
4800
2064
4800

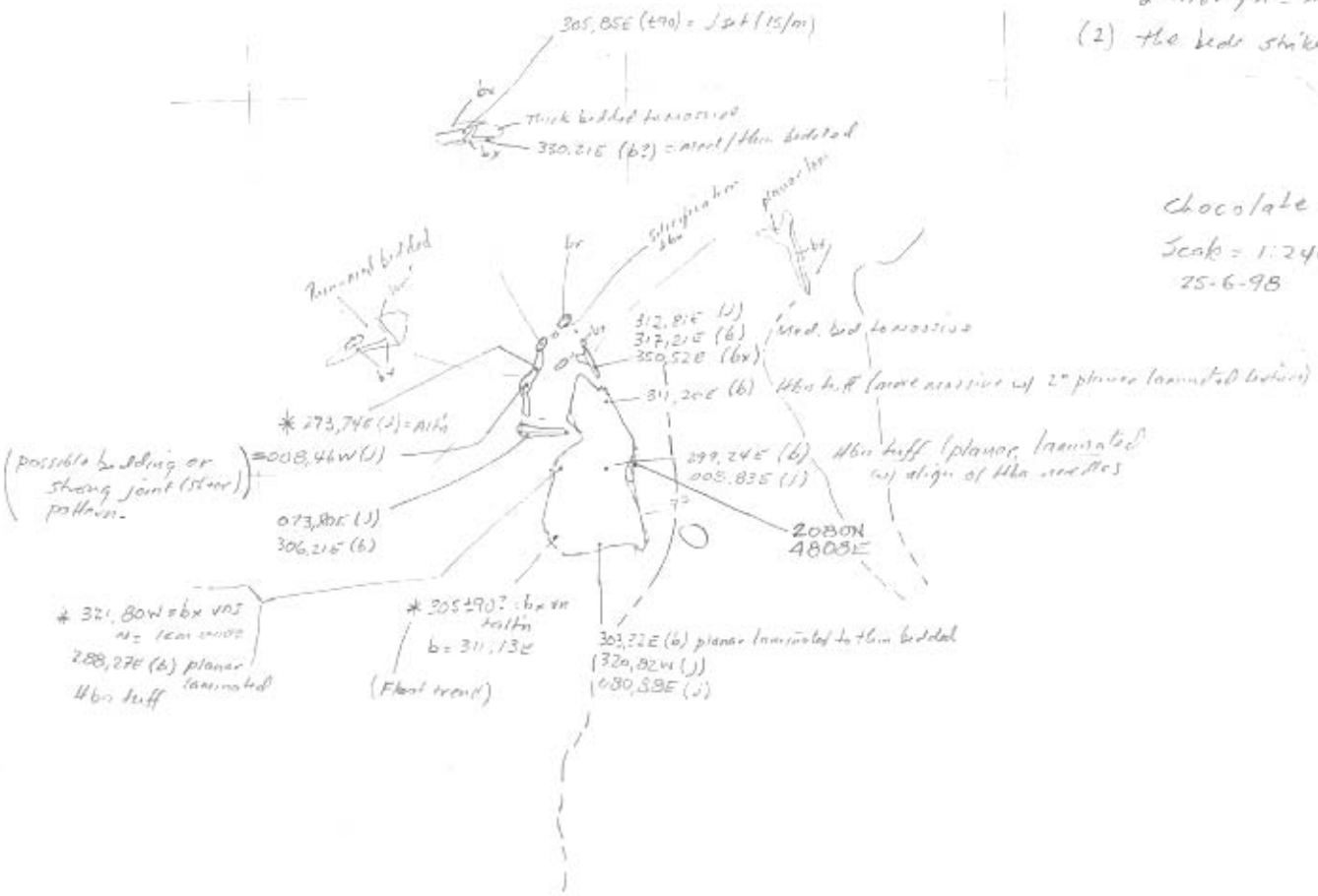
2064
4808


5600
5900
6000
5900
N0025500N
N0026000N
N0026500N
N0027000N
N0027500N
N0028000N
N0028500N
N0029000N
N0029500N
N0030000N
N0030500N
480500E
481000E
RS421C
RL-298C
RS406C
RL-167
RL-136
RL138
RS424C
RL-13
RA-1
RL-12
RL-14
RA4
RA3
RL133
RA2
RL-134
RL-135
RA-2
RL-132

This o/c is important because

(1) it can be seen that the breccias are, at least in part, 2° in origin = Hydrot, gas streaming or tectonic.

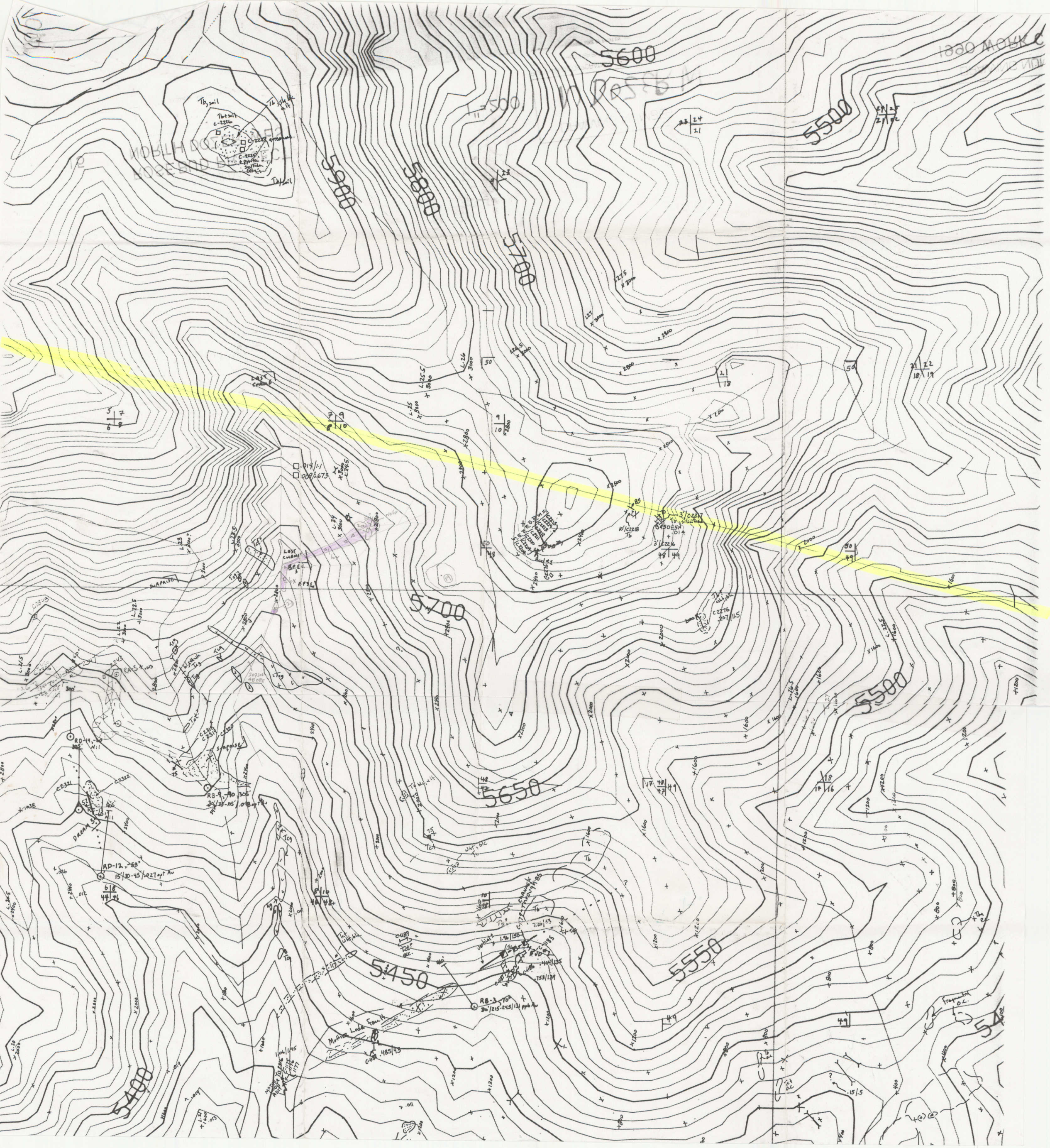
(2) the beds strike ⊥ to the regional trend of bedding

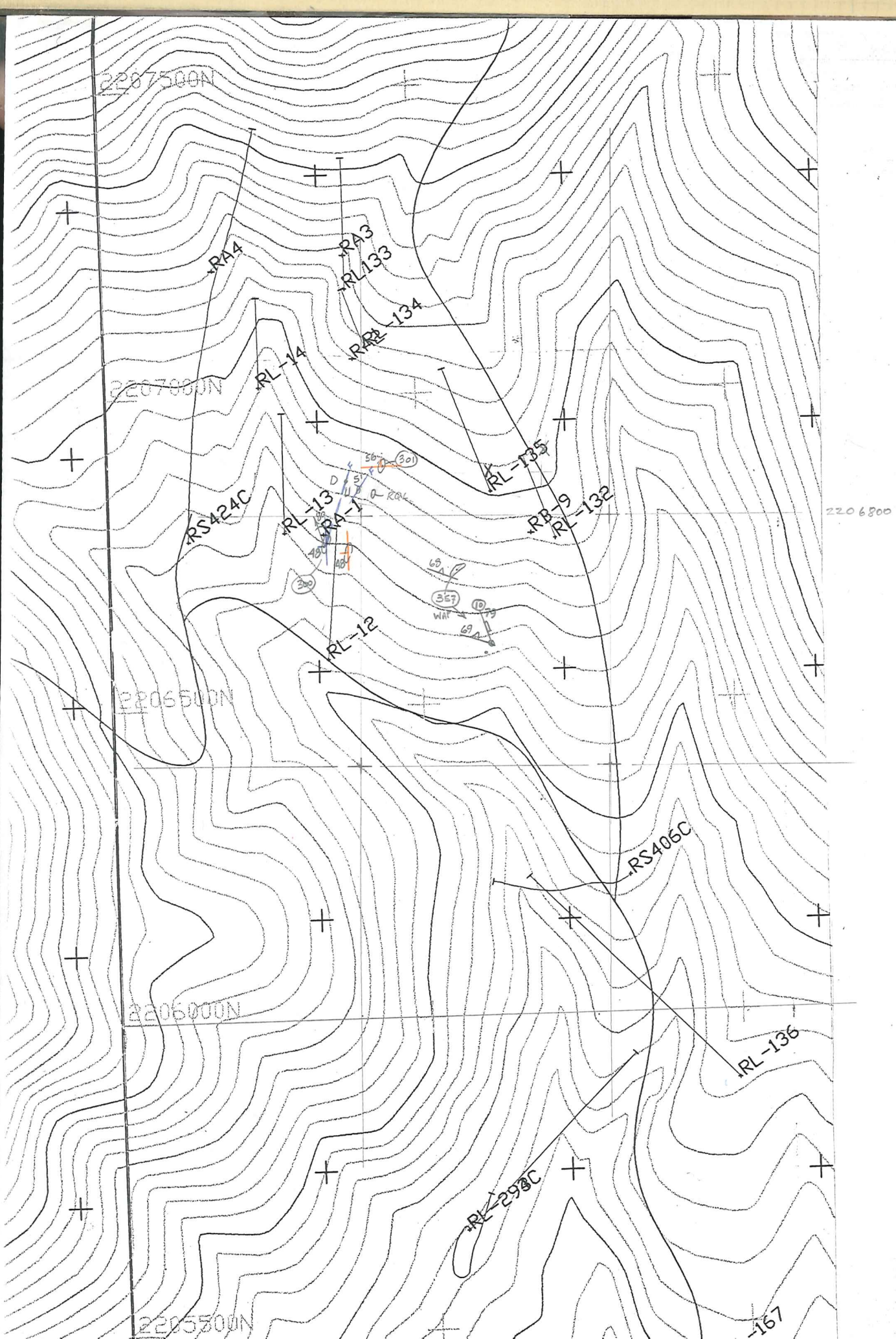


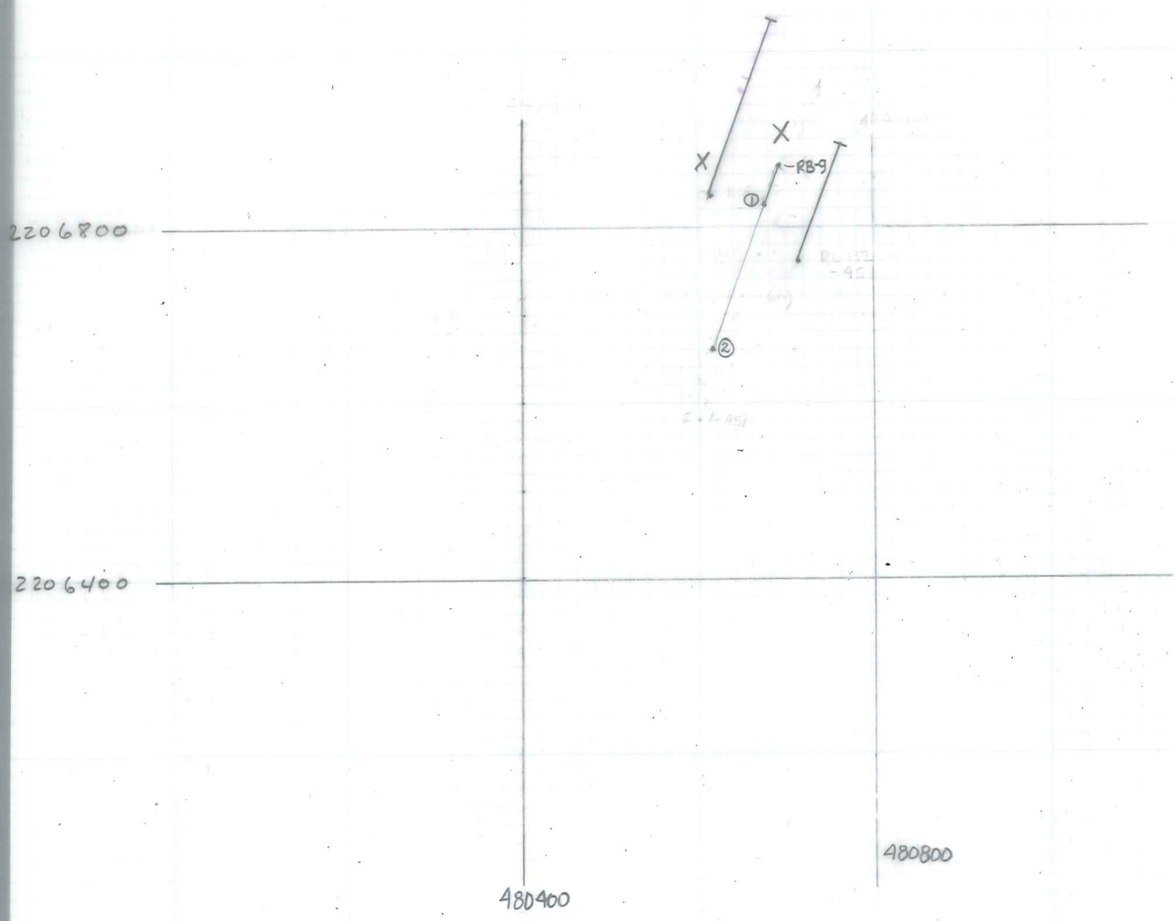

Chocolate Hbn tuff (?)

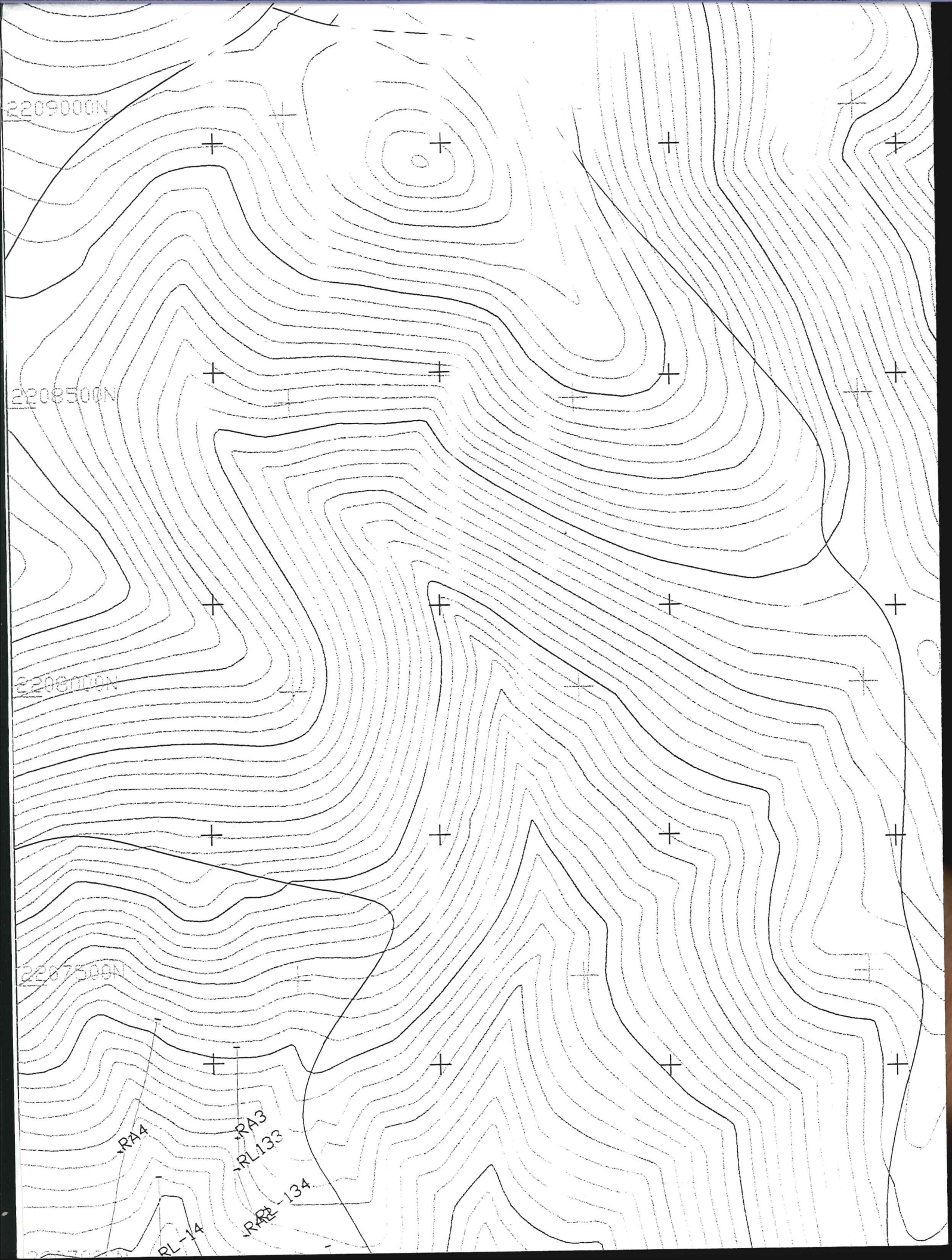
Scale = 1:2400

25-6-98


5600
5500
5900
5800
5700
5700
5500
5650
5550
5450
5400
Mother Lode Fault
RB-3
RB-9
RD-12
RD-14
Fragmental o.c.


2207500N
2207000N
2206500N
2206000N
2205500N
2206800
RA4
RA3
RL133
RL-134
RA2
RL-14
RL-135
RS424C
RL-13
RA-1
RB-9
RL-132
RL-12
RS406C
RL-136
RL-298C
-167


X
X
RB-9
①
②
2206800
2206400
480400
480800


2209000N
2208500N
2208000N
2207500N
RA4
RA3
RL133
RL-134
RL-14

2209000N
2208500N
2208000N
2207500N
RL-137
5800
5700
RA4
RA3
RL133
RL-134
RL-14

6000
2209
2209000N
2208500N
2208000N
RL-137
5800

RL-137
5800
5700

5900
5850
5800
5750
5700
5650
5600
5550
5500
5450
5400
5350
5300
5250
5200
5150
5100
5050
5000
4950
4900
4850
4800
4750
4700
4650
4600
2074/4812

313°, 13 E
300, 24 E
310, 20 E
332, 21 E

310, 21E ⇒ 17°E

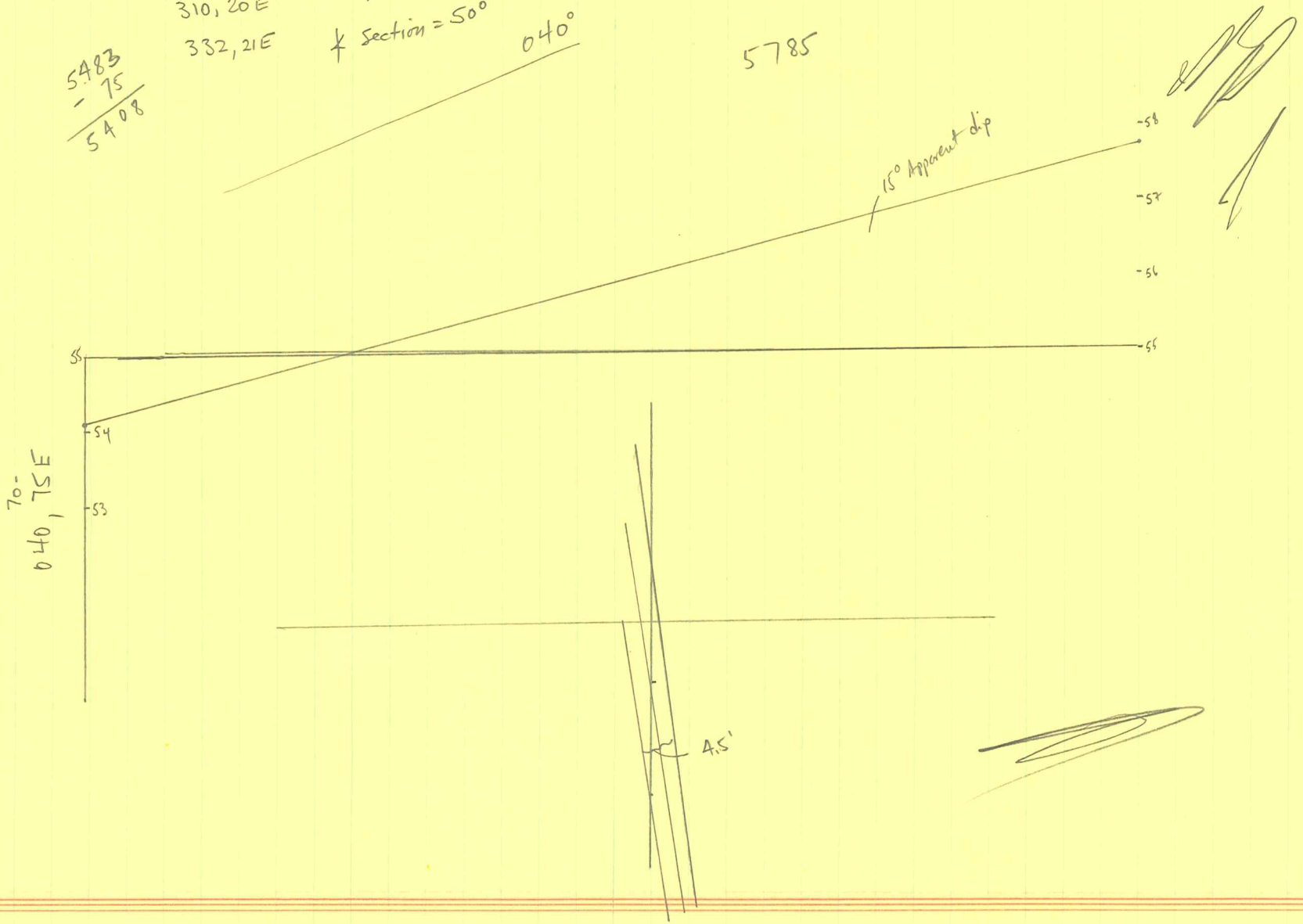
∡ Section = 50°

40°

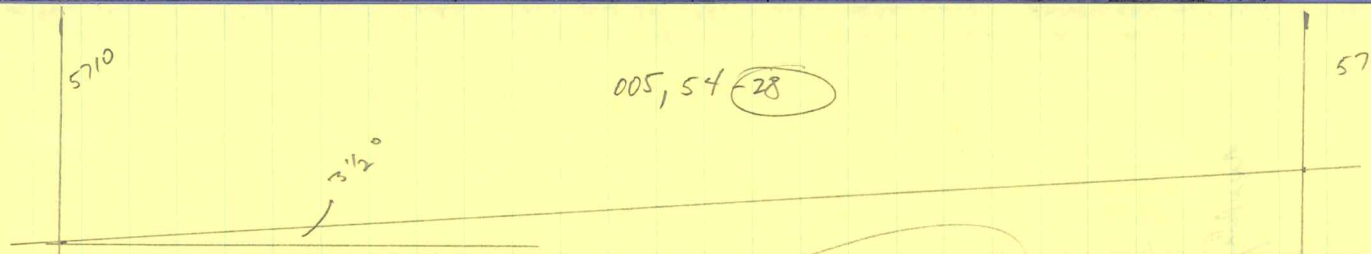
5483
− 75
5408

040°

5785




RB-9 75-105 30' = 0.099
75-90 15' = 0.186



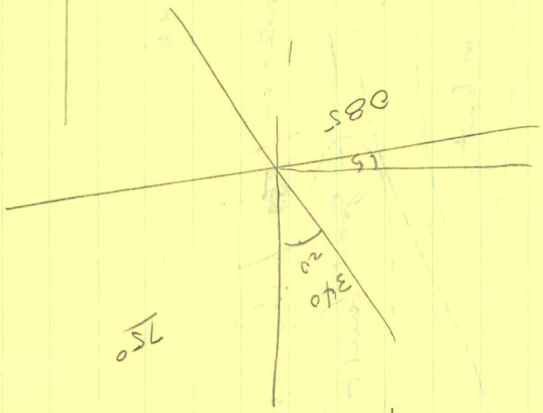

1. Precollar to RS 424C
2. dip on ACS = 10° N?
3. New Section =

Attitude - 005, 54 E
∡ Section/Bedding = 005
Apparent dip = 21.5°
if ∡ = 7°
so ∡ on Badger = ~5° North

b = 340 33

Vol 312 - 2444

B 285, 50E (33 - 54)




RS 406 CT = 3738' elevation
RS 424 CT = 3268' elevation
True

Apparent dip = 4°

424C

Badger (congl)

245

RQL

300

Badger? (Congl)

350

RQL

830

Congl NOT Badger (Rucl)

935

ignimbrite ?? bio phenos

960

Aphyric felsic volc

1045

felsic volc w/ more fsp phenos + mafics (white Alp MT?)

1250

Conglomerate

1295

Aphyric felsic volc

1325

muddy Sandstone

1330

Aphyric felsic volc w/ mafic

1375

mixed congls / clast supported bx / TSS / thin ignimbrites 10' thick

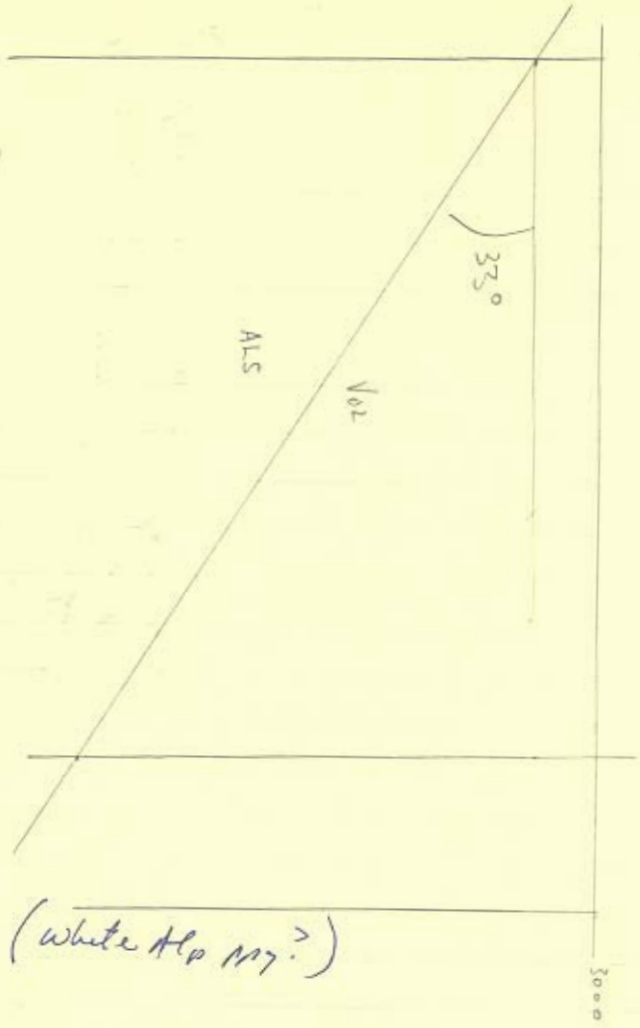
2200 — good fault

Aphyric felsic volc

2285

ALS — fault contact.

Further to west




424 - 127

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 0 | 5 | 0.0005 | 0.01 |
| RS424C | 5 | 10 | 0.0005 | 0.01 |
| RS424C | 10 | 15 | 0.0005 | 0.05 |
| RS424C | 15 | 20 | 0.002 | 0.04 |
| RS424C | 20 | 25 | 0.0005 | 0.02 |
| RS424C | 25 | 30 | 0.0005 | 0.01 |
| RS424C | 30 | 35 | 0.0005 | 0.03 |
| RS424C | 35 | 40 | 0.0005 | 0.03 |
| RS424C | 40 | 45 | 0.0005 | 0.04 |
| RS424C | 45 | 50 | 0.0005 | 0.06 |
| RS424C | 50 | 55 | 0.0005 | 0.03 |
| RS424C | 55 | 60 | 0.002 | 0.03 |
| RS424C | 60 | 65 | 0.005 | 0.11 |
| RS424C | 65 | 70 | 0.006 | 0.11 |
| RS424C | 70 | 75 | 0.002 | 0.11 |
| RS424C | 75 | 80 | 0.029 | 0.48 |
| RS424C | 80 | 85 | 0.004 | 0.14 |
| RS424C | 85 | 90 | 0.003 | 0.09 |
| RS424C | 90 | 95 | 0.004 | 0.22 |
| RS424C | 95 | 100 | 0.003 | 0.13 |
| RS424C | 100 | 105 | 0.01 | 0.29 |
| RS424C | 105 | 110 | 0.006 | 0.18 |
| RS424C | 110 | 115 | 0.006 | 0.22 |
| RS424C | 115 | 120 | 0.016 | 0.62 |
| RS424C | 120 | 125 | 0.004 | 0.18 |
| RS424C | 125 | 130 | 0.004 | 0.08 |
| RS424C | 130 | 135 | 0.004 | 0.12 |
| RS424C | 135 | 140 | 0.002 | 0.08 |
| RS424C | 140 | 145 | 0.002 | 0.09 |
| RS424C | 145 | 150 | 0.002 | 0.08 |
| RS424C | 150 | 155 | 0.002 | 0.09 |
| RS424C | 155 | 160 | 0.002 | 0.07 |
| RS424C | 160 | 165 | 0.004 | 0.16 |
| RS424C | 165 | 170 | 0.003 | 0.13 |
| RS424C | 170 | 175 | 0.002 | 0.07 |
| RS424C | 175 | 180 | 0.003 | 0.16 |
| RS424C | 180 | 185 | 0.004 | 0.24 |
| RS424C | 185 | 190 | 0.005 | 0.19 |
| RS424C | 190 | 195 | 0.034 | 0.11 |
| RS424C | 195 | 200 | 0.004 | 0.06 |
| RS424C | 200 | 205 | 0.004 | 0.13 |
| RS424C | 205 | 210 | 0.01 | 0.15 |
| RS424C | 210 | 215 | 0.003 | 0.06 |
| RS424C | 215 | 220 | 0.003 | 0.04 |
| RS424C | 220 | 225 | 0.002 | 0.03 |
| RS424C | 225 | 230 | 0.003 | 0.09 |
| RS424C | 230 | 235 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 235 | 240 | 0.001 | 0.02 |
| RS424C | 240 | 245 | 0.002 | 0.03 |
| RS424C | 245 | 250 | 0.0005 | 0.02 |
| RS424C | 250 | 255 | 0.0005 | 0.02 |
| RS424C | 255 | 260 | 0.005 | 0.07 |
| RS424C | 260 | 265 | 0.011 | 0.16 |
| RS424C | 265 | 270 | 0.003 | 0.07 |
| RS424C | 270 | 275 | 0.002 | 0.06 |
| RS424C | 275 | 280 | 0.001 | 0.03 |
| RS424C | 280 | 285 | 0.0005 | 0.01 |
| RS424C | 285 | 290 | 0.0005 | 0.01 |
| RS424C | 290 | 295 | 0.0005 | 0.01 |
| RS424C | 295 | 300 | 0.0005 | 0.01 |
| RS424C | 300 | 305 | 0.0005 | 0.01 |
| RS424C | 305 | 310 | 0.007 | 0.05 |
| RS424C | 310 | 315 | 0.003 | 0.01 |
| RS424C | 315 | 320 | 0.0005 | 0.01 |
| RS424C | 320 | 325 | 0.0005 | 0.01 |
| RS424C | 325 | 330 | 0.0005 | 0.01 |
| RS424C | 330 | 335 | 0.0005 | 0.01 |
| RS424C | 335 | 340 | 0.0005 | 0.01 |
| RS424C | 340 | 345 | 0.0005 | 0.01 |
| RS424C | 345 | 350 | 0.001 | 0.01 |
| RS424C | 350 | 355 | 0.0005 | 0.01 |
| RS424C | 355 | 360 | 0.0005 | 0.01 |
| RS424C | 360 | 365 | 0.0005 | 0.01 |
| RS424C | 365 | 370 | 0.0005 | 0.01 |
| RS424C | 370 | 375 | 0.0005 | 0.01 |
| RS424C | 375 | 380 | 0.0005 | 0.01 |
| RS424C | 380 | 385 | 0.0005 | 0.01 |
| RS424C | 385 | 390 | 0.0005 | 0.01 |
| RS424C | 390 | 395 | 0.0005 | 0.01 |
| RS424C | 395 | 400 | 0.0005 | 0.01 |
| RS424C | 400 | 405 | 0.0005 | 0.01 |
| RS424C | 405 | 410 | 0.0005 | 0.01 |
| RS424C | 410 | 415 | 0.0005 | 0.01 |
| RS424C | 415 | 420 | 0.0005 | 0.01 |
| RS424C | 420 | 425 | 0.0005 | 0.01 |
| RS424C | 425 | 430 | 0.0005 | 0.01 |
| RS424C | 430 | 435 | 0.0005 | 0.01 |
| RS424C | 435 | 440 | 0.0005 | 0.01 |
| RS424C | 440 | 445 | 0.0005 | 0.01 |
| RS424C | 445 | 450 | 0.0005 | 0.01 |
| RS424C | 450 | 455 | 0.0005 | 0.01 |
| RS424C | 455 | 460 | 0.0005 | 0.01 |
| RS424C | 460 | 465 | 0.0005 | 0.01 |
| RS424C | 465 | 470 | 0.0005 | 0.02 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 470 | 475 | 0.0005 | 0.01 |
| RS424C | 475 | 480 | 0.0005 | 0.01 |
| RS424C | 480 | 485 | 0.0005 | 0.01 |
| RS424C | 485 | 490 | 0.0005 | 0.01 |
| RS424C | 490 | 495 | 0.0005 | 0.01 |
| RS424C | 495 | 500 | 0.0005 | 0.01 |
| RS424C | 500 | 505 | 0.0005 | 0.01 |
| RS424C | 505 | 510 | 0.0005 | 0.01 |
| RS424C | 510 | 515 | 0.0005 | 0.01 |
| RS424C | 515 | 520 | 0.0005 | 0.01 |
| RS424C | 520 | 525 | 0.0005 | 0.01 |
| RS424C | 525 | 530 | 0.0005 | 0.01 |
| RS424C | 530 | 535 | 0.0005 | 0.01 |
| RS424C | 535 | 540 | 0.0005 | 0.01 |
| RS424C | 540 | 545 | 0.0005 | 0.01 |
| RS424C | 545 | 550 | 0.0005 | 0.01 |
| RS424C | 550 | 555 | 0.0005 | 0.01 |
| RS424C | 555 | 560 | 0.0005 | 0.01 |
| RS424C | 560 | 565 | 0.0005 | 0.01 |
| RS424C | 565 | 570 | 0.0005 | 0.01 |
| RS424C | 570 | 575 | 0.0005 | 0.01 |
| RS424C | 575 | 580 | 0.0005 | 0.01 |
| RS424C | 580 | 585 | 0.0005 | 0.01 |
| RS424C | 585 | 590 | 0.0005 | 0.01 |
| RS424C | 590 | 595 | 0.0005 | 0.01 |
| RS424C | 595 | 600 | 0.0005 | 0.01 |
| RS424C | 600 | 605 | 0.0005 | 0.01 |
| RS424C | 605 | 610 | 0.0005 | 0.01 |
| RS424C | 610 | 615 | 0.0005 | 0.01 |
| RS424C | 615 | 620 | 0.0005 | 0.01 |
| RS424C | 620 | 625 | 0.0005 | 0.01 |
| RS424C | 625 | 630 | 0.0005 | 0.01 |
| RS424C | 630 | 635 | 0.0005 | 0.01 |
| RS424C | 635 | 640 | 0.0005 | 0.01 |
| RS424C | 640 | 645 | 0.0005 | 0.01 |
| RS424C | 645 | 650 | 0.0005 | 0.01 |
| RS424C | 650 | 655 | 0.0005 | 0.01 |
| RS424C | 655 | 660 | 0.0005 | 0.01 |
| RS424C | 660 | 665 | 0.0005 | 0.01 |
| RS424C | 665 | 670 | 0.0005 | 0.01 |
| RS424C | 670 | 675 | 0.0005 | 0.01 |
| RS424C | 675 | 680 | 0.0005 | 0.01 |
| RS424C | 680 | 685 | 0.0005 | 0.01 |
| RS424C | 685 | 690 | 0.0005 | 0.01 |
| RS424C | 690 | 695 | 0.0005 | 0.01 |
| RS424C | 695 | 700 | 0.0005 | 0.01 |
| RS424C | 700 | 705 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 705 | 710 | 0.0005 | 0.01 |
| RS424C | 710 | 715 | 0.0005 | 0.01 |
| RS424C | 715 | 720 | 0.0005 | 0.01 |
| RS424C | 720 | 725 | 0.0005 | 0.01 |
| RS424C | 725 | 730 | 0.0005 | 0.01 |
| RS424C | 730 | 735 | 0.0005 | 0.01 |
| RS424C | 735 | 740 | 0.0005 | 0.01 |
| RS424C | 740 | 745 | 0.0005 | 0.01 |
| RS424C | 745 | 750 | 0.0005 | 0.01 |
| RS424C | 750 | 755 | 0.0005 | 0.01 |
| RS424C | 755 | 760 | 0.0005 | 0.01 |
| RS424C | 760 | 765 | 0.0005 | 0.01 |
| RS424C | 765 | 770 | 0.0005 | 0.01 |
| RS424C | 770 | 775 | 0.0005 | 0.01 |
| RS424C | 775 | 780 | 0.0005 | 0.01 |
| RS424C | 780 | 785 | 0.0005 | 0.01 |
| RS424C | 785 | 790 | 0.0005 | 0.01 |
| RS424C | 790 | 795 | 0.0005 | 0.01 |
| RS424C | 795 | 800 | 0.0005 | 0.01 |
| RS424C | 800 | 805 | 0.0005 | 0.01 |
| RS424C | 805 | 810 | 0.0005 | 0.01 |
| RS424C | 810 | 815 | 0.0005 | 0.01 |
| RS424C | 815 | 820 | 0.0005 | 0.01 |
| RS424C | 820 | 825 | 0.0005 | 0.01 |
| RS424C | 825 | 830 | 0.0005 | 0.01 |
| RS424C | 830 | 835 | 0.0005 | 0.01 |
| RS424C | 835 | 840 | 0.0005 | 0.01 |
| RS424C | 840 | 845 | 0.0005 | 0.01 |
| RS424C | 845 | 850 | 0.0005 | 0.01 |
| RS424C | 850 | 855 | 0.0005 | 0.01 |
| RS424C | 855 | 860 | 0.0005 | 0.01 |
| RS424C | 860 | 865 | 0.0005 | 0.01 |
| RS424C | 865 | 870 | 0.0005 | 0.04 |
| RS424C | 870 | 875 | 0.0005 | 0.01 |
| RS424C | 875 | 880 | 0.0005 | 0.01 |
| RS424C | 880 | 885 | 0.0005 | 0.01 |
| RS424C | 885 | 890 | 0.0005 | 0.01 |
| RS424C | 890 | 895 | 0.0005 | 0.01 |
| RS424C | 895 | 900 | 0.0005 | 0.01 |
| RS424C | 900 | 905 | 0.0005 | 0.01 |
| RS424C | 905 | 910 | 0.0005 | 0.01 |
| RS424C | 910 | 915 | 0.0005 | 0.01 |
| RS424C | 915 | 920 | 0.0005 | 0.01 |
| RS424C | 920 | 925 | 0.0005 | 0.01 |
| RS424C | 925 | 930 | 0.0005 | 0.01 |
| RS424C | 930 | 935 | 0.0005 | 0.01 |
| RS424C | 935 | 940 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 940 | 945 | 0.0005 | 0.01 |
| RS424C | 945 | 950 | 0.0005 | 0.01 |
| RS424C | 950 | 955 | 0.0005 | 0.01 |
| RS424C | 955 | 960 | 0.0005 | 0.01 |
| RS424C | 960 | 965 | 0.0005 | 0.01 |
| RS424C | 965 | 970 | 0.0005 | 0.01 |
| RS424C | 970 | 975 | 0.0005 | 0.01 |
| RS424C | 975 | 980 | 0.0005 | 0.01 |
| RS424C | 980 | 985 | 0.0005 | 0.01 |
| RS424C | 985 | 990 | 0.0005 | 0.01 |
| RS424C | 990 | 995 | 0.0005 | 0.01 |
| RS424C | 995 | 1000 | 0.0005 | 0.01 |
| RS424C | 1000 | 1005 | 0.0005 | 0.01 |
| RS424C | 1005 | 1010 | 0.0005 | 0.01 |
| RS424C | 1010 | 1015 | 0.0005 | 0.01 |
| RS424C | 1015 | 1020 | 0.0005 | 0.01 |
| RS424C | 1020 | 1025 | 0.0005 | 0.01 |
| RS424C | 1025 | 1030 | 0.0005 | 0.01 |
| RS424C | 1030 | 1035 | 0.0005 | 0.01 |
| RS424C | 1035 | 1040 | 0.0005 | 0.01 |
| RS424C | 1040 | 1045 | 0.0005 | 0.01 |
| RS424C | 1045 | 1050 | 0.0005 | 0.01 |
| RS424C | 1050 | 1055 | 0.0005 | 0.01 |
| RS424C | 1055 | 1060 | 0.0005 | 0.01 |
| RS424C | 1060 | 1065 | 0.0005 | 0.01 |
| RS424C | 1065 | 1070 | 0.0005 | 0.01 |
| RS424C | 1070 | 1075 | 0.0005 | 0.01 |
| RS424C | 1075 | 1080 | 0.0005 | 0.01 |
| RS424C | 1080 | 1085 | 0.0005 | 0.01 |
| RS424C | 1085 | 1090 | 0.0005 | 0.01 |
| RS424C | 1090 | 1095 | 0.0005 | 0.01 |
| RS424C | 1095 | 1100 | 0.0005 | 0.01 |
| RS424C | 1100 | 1105 | 0.0005 | 0.01 |
| RS424C | 1105 | 1110 | 0.0005 | 0.01 |
| RS424C | 1110 | 1115 | 0.0005 | 0.01 |
| RS424C | 1115 | 1120 | 0.0005 | 0.01 |
| RS424C | 1120 | 1125 | 0.0005 | 0.01 |
| RS424C | 1125 | 1130 | 0.0005 | 0.01 |
| RS424C | 1130 | 1135 | 0.0005 | 0.01 |
| RS424C | 1135 | 1140 | 0.0005 | 0.01 |
| RS424C | 1140 | 1145 | 0.0005 | 0.01 |
| RS424C | 1145 | 1150 | 0.0005 | 0.01 |
| RS424C | 1150 | 1155 | 0.0005 | 0.01 |
| RS424C | 1155 | 1160 | 0.0005 | 0.01 |
| RS424C | 1160 | 1165 | 0.0005 | 0.01 |
| RS424C | 1165 | 1170 | 0.0005 | 0.01 |
| RS424C | 1170 | 1175 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 1175 | 1180 | 0.0005 | 0.01 |
| RS424C | 1180 | 1185 | 0.0005 | 0.01 |
| RS424C | 1185 | 1190 | 0.0005 | 0.01 |
| RS424C | 1190 | 1195 | 0.0005 | 0.01 |
| RS424C | 1195 | 1200 | 0.0005 | 0.01 |
| RS424C | 1200 | 1205 | 0.0005 | 0.01 |
| RS424C | 1205 | 1210 | 0.0005 | 0.01 |
| RS424C | 1210 | 1215 | 0.0005 | 0.01 |
| RS424C | 1215 | 1220 | 0.0005 | 0.01 |
| RS424C | 1220 | 1225 | 0.0005 | 0.01 |
| RS424C | 1225 | 1230 | 0.0005 | 0.01 |
| RS424C | 1230 | 1235 | 0.0005 | 0.01 |
| RS424C | 1235 | 1240 | 0.0005 | 0.01 |
| RS424C | 1240 | 1245 | 0.001 | 0.02 |
| RS424C | 1245 | 1250 | 0.0005 | 0.01 |
| RS424C | 1250 | 1255 | 0.0005 | 0.01 |
| RS424C | 1255 | 1260 | 0.0005 | 0.01 |
| RS424C | 1260 | 1265 | 0.0005 | 0.01 |
| RS424C | 1265 | 1270 | 0.0005 | 0.01 |
| RS424C | 1270 | 1275 | 0.0005 | 0.01 |
| RS424C | 1275 | 1280 | 0.0005 | 0.01 |
| RS424C | 1280 | 1285 | 0.0005 | 0.01 |
| RS424C | 1285 | 1290 | 0.0005 | 0.01 |
| RS424C | 1290 | 1295 | 0.0005 | 0.01 |
| RS424C | 1295 | 1300 | 0.0005 | 0.01 |
| RS424C | 1300 | 1305 | 0.0005 | 0.01 |
| RS424C | 1305 | 1310 | 0.0005 | 0.01 |
| RS424C | 1310 | 1315 | 0.0005 | 0.01 |
| RS424C | 1315 | 1320 | 0.0005 | 0.01 |
| RS424C | 1320 | 1325 | 0.0005 | 0.01 |
| RS424C | 1325 | 1330 | 0.0005 | 0.01 |
| RS424C | 1330 | 1335 | 0.0005 | 0.01 |
| RS424C | 1335 | 1340 | 0.0005 | 0.01 |
| RS424C | 1340 | 1345 | 0.0005 | 0.01 |
| RS424C | 1345 | 1350 | 0.0005 | 0.01 |
| RS424C | 1350 | 1355 | 0.0005 | 0.01 |
| RS424C | 1355 | 1360 | 0.0005 | 0.01 |
| RS424C | 1360 | 1365 | 0.0005 | 0.01 |
| RS424C | 1365 | 1370 | 0.0005 | 0.01 |
| RS424C | 1370 | 1375 | 0.0005 | 0.01 |
| RS424C | 1375 | 1380 | 0.0005 | 0.01 |
| RS424C | 1380 | 1385 | 0.0005 | 0.01 |
| RS424C | 1385 | 1390 | 0.0005 | 0.01 |
| RS424C | 1390 | 1395 | 0.0005 | 0.01 |
| RS424C | 1395 | 1400 | 0.0005 | 0.01 |
| RS424C | 1400 | 1405 | 0.0005 | 0.01 |
| RS424C | 1405 | 1410 | 0.0005 | 0.01 |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 1410 | 1415 | 0.0005 | 0.01 |
| RS424C | 1415 | 1420 | 0.0005 | 0.01 |
| RS424C | 1420 | 1425 | 0.0005 | 0.01 |
| RS424C | 1425 | 1430 | 0.0005 | 0.01 |
| RS424C | 1430 | 1435 | 0.0005 | 0.01 |
| RS424C | 1435 | 1440 | 0.0005 | 0.01 |
| RS424C | 1440 | 1445 | 0.0005 | 0.01 |
| RS424C | 1445 | 1450 | 0.0005 | 0.01 |
| RS424C | 1450 | 1455 | 0.0005 | 0.01 |
| RS424C | 1455 | 1460 | 0.0005 | 0.01 |
| RS424C | 1460 | 1465 | 0.0005 | 0.01 |
| RS424C | 1465 | 1470 | 0.0005 | 0.01 |
| RS424C | 1470 | 1475 | 0.0005 | 0.01 |
| RS424C | 1475 | 1480 | 0.0005 | 0.01 |
| RS424C | 1480 | 1485 | 0.0005 | 0.03 |
| RS424C | 1485 | 1490 | 0.0005 | 0.01 |
| RS424C | 1490 | 1495 | 0.0005 | 0.01 |
| RS424C | 1495 | 1500 | 0.0005 | 0.03 |
| RS424C | 1514.9 | 1520 | 0.0005 | |
| RS424C | 1526.7 | 1530.6 | 0.0005 | |
| RS424C | 1536.3 | 1541.8 | 0.0005 | |
| RS424C | 1546 | 1551 | 0.0005 | |
| RS424C | 1560.9 | 1566 | 0.0005 | |
| RS424C | 1576 | 1580.8 | 0.0005 | |
| RS424C | 1591.2 | 1596 | 0.0005 | |
| RS424C | 1606 | 1611.5 | 0.0005 | |
| RS424C | 1620.7 | 1625.9 | 0.0005 | |
| RS424C | 1634.7 | 1639.7 | 0.0005 | |
| RS424C | 1652.9 | 1657.5 | 0.0005 | |
| RS424C | 1664.2 | 1669.5 | 0.0005 | |
| RS424C | 1679.5 | 1685 | 0.0005 | |
| RS424C | 1695.6 | 1700 | 0.0005 | |
| RS424C | 1710 | 1714.8 | 0.0005 | |
| RS424C | 1730 | 1735.2 | 0.0005 | |
| RS424C | 1745.1 | 1750 | 0.0005 | |
| RS424C | 1755.1 | 1760 | 0.0005 | |
| RS424C | 1769.6 | 1775.1 | 0.0005 | |
| RS424C | 1775.1 | 1780.2 | 0.0005 | |
| RS424C | 1790 | 1795 | 0.0005 | |
| RS424C | 1800.2 | 1805 | 0.0005 | |
| RS424C | 1814.9 | 1820.7 | 0.0005 | |
| RS424C | 1829.9 | 1834.9 | 0.0005 | |
| RS424C | 1844.9 | 1850.3 | 0.0005 | |
| RS424C | 1865.1 | 1870 | 0.0005 | |
| RS424C | 1885.3 | 1889.5 | 0.0005 | |
| RS424C | 1894.6 | 1897.8 | 0.0005 | |
| RS424C | 1904.4 | 1909.8 | 0.0005 | |

| Hole_Id | From | To | Aufa | Agfa |
|---|---|---|---|---|
| RS424C | 1909.8 | 1915.1 | 0.0005 | |
| RS424C | 1925 | 1930 | 0.0005 | |
| RS424C | 1934.9 | 1940 | 0.0005 | |
| RS424C | 1948.5 | 1952.5 | 0.0005 | |
| RS424C | 1952.5 | 1957.4 | 0.0005 | |
| RS424C | 1961 | 1966.2 | 0.0005 | |
| RS424C | 1984.6 | 1989.6 | 0.0005 | |
| RS424C | 1998.9 | 2003.8 | 0.0005 | |
| RS424C | 2014.3 | 2017 | 0.0005 | |

Monthly Report

~~Time Sheet~~

~~Truck log~~

| | | |
|---|---|---|
| RA-1 | -90 | 500' |
| -2 | -90 | 500' |
| -3 | -90 | 500' |
| -4 | -90 | 500' |

MTE Meeting

Memo to Gary Massinger

~~Chris' Abstract~~ ~~Final Packin '99~~

Curt Allen → Added Exploration drill holes to Randy's overlay. WINN 4

1:2400 Sections

N-S

Plot Size

18"x19"

| | | | | |
|---|---|---|---|---|
| A = | 2206230N 480308E | DIST/AZ 2270' N | 100m | |
| A' = | | | | |
| B = | 2206818N 481710E | DIST./AZ 1780' N | | |
| B' = | | | | |
| C = | 2206440N 480640E | DIST/AZ 2820' N | 1@ 1:2400 | Acl/Aq |
| C' = | | | 1@ 1:1200 | |

RS-9

Ask Craig to load Stones + set up computer to plot directly to the plotter.

George

S = Seal
C = Congl

Bodger
RQC
Seal unit/congl

Bodger

Plot @ Tom

FpQf = Ent = dike

[ ] = deleted material
yes, it's complete in that section

Doc'tn = up dos yes
more evidence
an intrusive

If there's enough
RQD - look in to
The only rock
look for Qf2

Seal
SS/congl/md
LOST

Paper OK

# Newmont Gold Core Form

**Hole#** RS-424 **Logged by** G. Langstaff **Date** 4/14/98

**Area** East Dreamland **Coords**

**Az/Incl** 0°/70-77° **Total Depth** 2309 ,, 2310 **Contractor**



| Footage | % Rec | RQD | Formation | Rock type | Color | Au oz/st | Ag oz/st | Graphic | Attitudes | fault | breccia | vein | gouge | Comments | Silic | argillic | clay | prop | Sericite | Chlorite | FeOX | CO3 | Sulfide | Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 9.6 | 8.7 | Chocolate | polymict, poorly sorted, pebble conglomerate | greenish-gray | | | | | 0 | 0 | 0 | 0 | Lith: 1500-1526.9 polymict, poorly sorted, generally clast-supported conglomerate with angular to sub-rounded volcanic clasts and minor clay(ash?); clasts up to 1" long; bedding defined by pebble-poor zones of sand to granules; variations in clast size but no contacts or consistent grading; clasts: pale green, aphyric, aphanitic; grey aphyric, aphanitic ± pale alteration; pale green clayey lenses embayed by other (pumice?); dk grey, aphyric, laminated ± complex texture; v. rare, black, calcareous ALS (but blocky clasts not thin as one would expect for phyllite); v. pale grey/creamish, chunky, altered clasts; rare pale green clasts embayed; v. rare darker lines 1522.2 on pale green and grey clasts | 0 | 1 | | 0 | 0 | tr | 0 | 2 | | 0 | 0 | | |
| | 96% | 87% | | | | 1505.2 | | | | | | | | | | | | | | | | | | | | | |
| 510 | 15 | 10 | | | | 15 | 10.0 | | 70 jit | | | | | | | | | | | | | | | | | | |
| | 9.4 | 8.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 98% | 88% | | | | 15 | 14.9 | | | | | | | | | | | | | | | | | | | | |
| 520 | 15 | 20 | | | | 15 | 20.0 | | 45 jit | | | | | | | | | | | | | | | | | | |
| | 8.0 | 8.0 | | | | | | | 40 jit | | | | | | | | | | | | | | | | | | |
| | 94% | 94% | | | | 15 | 22.2 | | | | | | | | | | | | 1 | | | | | | | | |
| | | | | | | 15 | 26.7 | | 50 jit | | | | | | | | | | | | | | | | | | |
| | 15 | 28.5 | | | | | | | 15 jit w/calc | | | | | Lith: 1526.9-1530.5 v. hard, finely laminated with interbedded medium to very coarse sandstone of subrounded pale green and rare dark grey clasts, siliceous mudstone? | | | | | | | | | | | | | | |
| 530 | 10.1 | 8.0 | | mudstone? | | 15 | 30.6 | | 70 jit | | | | | | | | | | | | | | | | | | |
| | 101% | 80% | | polymict, poorly sorted pebble conglomerate | | | | | 55 jit | | | | | | | | | | | | | | | | | | |
| | | | | | | 15 | 36.3 | | 40 jit | | | | | | | | | | | | | | | | | | |
| | 15 | 38.5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 540 | 10.2 | 9.6 | | | | | | | 50 jit | | | | | | | | | | | | | | | | | | |
| | | | | | | 15 | 41.8 | | 45 jit | | | | | | | | | | | | | | | | | | |
| | 99% | 93% | | | | | | | 65 jit | | | | | | | | | | | | | | | | | | |
| | | | | | | 15 | 46.0 | | | | | | | | | | | | | | | | | | | | |
| | 15 | 48.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 550 | 6.4 | 6.2 | | | | 15 | 51.0 | | | | | | | | | | | | | | | | | | | | |
| | 94% | 86% | | polymict, poorly sorted pebble conglomerate | | | | | 60 jit | | | | | | | | | | | | | | | | | | |
| | | | | | green | | | | | | | | | 1554.0 | | | | | | | | | | | | | |
| | 15 | 56 | | | | 15 | 56.0 | | | | | | | 1555.0 | | | | | 1 | | | | | | | | |
| | 9.9 | 9.3 | | | | | | | | | | | | Lith: 1554.0'-1.5" thick bed of v. fine, hard, laminated rock | | | | | tr | | | | | | | | |
| 560 | 99% | 93% | | | | 15 | 60.9 | | 40 | | | | | Alt: 1530.5-1572.2 weak green clay and possibly trace argillic in matrix; mod green clay below thin siliceous mudstone(?) at 1554; clasts may have green clay or rarely arg alteration; rare calcite veins, rarely alteration on clast rims | | | | | | | | | | | | | | |
| | | | | | | | | | 40 jts | | | | | | | | | | | | | | | | | | |
| | 15 | 66 | | | | 15 | 66.0 | | | | | | | | | | | | | | | | | | | | |
| | 9.7 | 9.4 | | | | | | | 45 | | | | | Alt: 1572.2- mostly large dacite essentially unaltered clasts, minor bleaching some green clay in clasts, some green clay in matrix, rare calcite veins, rarely alteration on clast rims | | | | | | | | | | | | | | |
| 570 | 97% | 94% | | polymict, poorly sorted pebble conglomerate | | 15 | 70.9 | | 50 jts & gin clay | | | | | Lith: 1572.2-1586.5 polymict, v. poorly sorted, generally clast-supported conglomerate(?) with angular to subrounded volcanic clasts with sandy or pale green clay lenses as matrix; clasts up to 2" long; clasts: grey-green aphyric, aphanitic, chunky; dk grey, aphyric, aphanitic (only rarely with alteration); dk grey laminated altered lithics (possibly feldspar (i.e. tuff like in upper 126); v. rare pale grey with bitt, feld phenos; v. pale grey (altered) aphyric, aphanitic; pale grey-grey with rare feldspar phenos | | | | | | | | | | | | | | |
| | 15 | 76 | | | | 15 | 76.0 | | 40 jit | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 35 jts | | | | | | | | | | | | | | | | | | |
| | 9.8 | 8.7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 580 | 98% | 87% | | polymict, v. poorly sorted | | 15 | 80.9 | | 40 | | | | | | | | | | | | | | | | | | |
| | 15 | 86 | | | | 15 | 86.0 | | | | | | | | | | | | | | | | | | | | |
| | 9.7 | 9.5 | | | | | | | | | | | | 1522.5 | | 0? | | | | | | | | | | | |
| 590 | 97% | 95% | | polymict, v. poorly sorted, black breccia and pebble conglomerate | dark grey clasts of matrix greenish gray matrix | 15 | 91.2 | | | | | | | | | | | | | | | trace in calcite veins | | | | | |
| | 15 | 96 | | | | 15 | 96.0 | | 40 | | | | | Lith: 1586.5-1620.6 polymict, v. poorly sorted breccia dominated by coarse (up to 4" in min), angular, dk grey aphanitic clasts with rare <.1" feldspar phenos, no lamination locally; green-grey aphyric, aphanitic chunky clasts, pale green clayey lenses, dk grey aphyric clasts; matrix like conglomerate above | | | | | | | | | | | | | | |
| | 9.9 | 9.1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | 99% | 91% | | | | | | | 45 | | | | | | | | | | | | | | | | | | |

Silt/gouging 30° slides

*Apparently no calcareous ALS clasts

# Newmont Gold Core Form

**Hole#** RS-424 **Logged by** G. Langstaff **Date** 4/15/98

**Area** East Dreamland **Coords**

**Az/Incl** 0°/70-77° **Total Depth** 2309 w/2310 **Contractor**



| Footage | % Rec | RQD | Formation | Rock type | Color | Au oz/st | Ag oz/st | Graphic | Attitudes | fault | breccia | vein | gouge | Comments | Silic | argillic | clay | prop | Sericite | Chlorite | FeOX | CO3 | Sulfide | Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1600 | | | Chocolate | Wack bx pebble (?) | dk grey clasts greenish grey matrix | 16 01.0 | | | 40 jt | 0 | 0 | 0 | 0 | Alt: 1582.5 – 1620.6 mostly unaltered blocks with slight green clay in pebbly matrix; rare clasts with concentric alteration (darker on rims); rare calcite veins; more green clay in matrix below 1614.3 | 0 | 0 | | 0 | 0 | tr | 0 | 2 | | 0 | 0 | | |
| | 16 06 | | | | | 16 06.0 | | | | | | | | | | | | | | | | | | | | | |
| | 2:1 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1032 90% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 08 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1610 | 8.8 8.2 | | | | | 16 11.5 | | | 70 jt 80 jt | | | | | 1614.3 Alt: 1620.6-1659 moderate green clay alteration of matrix more grey than green clasts; negligible concentric alteration or rims on clasts; rare calcite veins | | | | | | | | | | tr ? | | | |
| | 98% 89% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 15.3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 17 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.7 8.5 | | | | | | | | 50 55 jt | | | | | | | | | | | | | | | | | | |
| 1620 | | | | | | 16 20.7 | | | | | | | | 1620.6 | | | | | | | | | | | | | |
| | 92% 81% | | | polymict, v. poorly sorted, matrix-sup. pebble conglomerate with sparse blocks | dark grey clasts and dark grey (matrix) | 16 25.9 | | | 50 jt w/ grey clay? | | | | | Lith: 1620.6-1639.5 polymict, very poorly sorted, conglomerate with angular to subrounded volcanic clasts supported by more abundant granule and finer grains, locally clast-supported; gradational variations in abundance and max. size of coarser clasts, no calcareous ALS(?) clasts; sharp coll change at upper contact, gradational lower contact | | | | | | 1 | | | | tr | | | |
| | 16 27.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10.1 8.4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1630 | | | | | | 16 30.8 | | | | | | | | | | | | | | | | | | | | | |
| | 101% 88% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 16 34.7 | | | 20 60 jts | | | | | 1634-1658 · wavy foliation of green clay-altered matrix or vitric lapilli, where there are fewer coarse clasts | | | | | | | | | | | | |
| | 16 37.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.7 7.9 | | | | | 16 39.7 | | | 60 jt of dk grey clay | | | | | 1639.5 | | | | | | | | | | | | | |
| 1640 | | | | | | | | | | | | | | 1641.1-1649.5 - nearly vertical contact between matrix-supported volcanic pebble conglomerate and bedded medium to very coarse sandstone with few pebbles; some sort of reaction along contact formed <.2" dark grey band | | | | | | | | | | | | | |
| | 97% 79% | | | polymict, poorly sorted, matrix(?)-supported pebble conglomerate | | 16 43.9 | | | 50 jt | | | | | | | | | | | | | | | | | | |
| | 16 47.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.6 7.0 | | | | | 16 49.4 | | | | | | | | Lith: 1639.5-1657.6 polymict, poorly sorted, conglomerate with angular to subrounded volcanic clasts generally supported by green blobs (altered vitric clasts?) or green matrix, very few sand size grains clasts mostly .5 ± .2" | | | | | | | | | | | | | |
| 1650 | | | | | | | | | clastic dike(?) | | | | | | | | | | | | | | | | | | |
| | 92% 70% | | | | | 16 52.9 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 1650-1650.5 - v. fine-medium sand clastic dike(?) <10° to core axis, .4-1" thick | | | | | | | | | | | | | |
| | 16 57.5 | | clayey, laminated conglomerate, sandstone | | | 16 57.5 | | | | | | | | 1657.6-1658.4 | | | | | | | | | | | | | |
| | 3.4 3.1 | | | | | | | | 65 jt? | | | | | | | | | | | | | | | 0? | | | |
| 1660 | 99% 89% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 16 61 | | | | | 16 59.1 | | | | | | | | 1659 | | | | | | tr | | | | | | | |
| | 9.2 7.3 | | | | | | | | | | | | | Lith: 1657.6-1658.4 bedded or foliated sandstone (?) with some granules and rare pebbles; sharp upper contact against conglomerate and sharp lower contact against sandstone without wispy foliation of green clay(?) | | | | | | | | | | | | | |
| | | | | | | 16 64.2 | | | | | | | | | | | | | | | | | | | | | |
| | 102% 81% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1670 | 16 70 | | | polymict, very poorly sorted black and pebble barrin | | 16 69.5 | | | 60 jt of dk grey clay | | | | | Alt: 1659-1717.6 essentially unaltered; negligible arg or green clay in matrix; some bleached clasts, rare clasts with concentric alteration or along fractures (darker) | | | | | | | | | | | | | |
| | 9.4 7.6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 99% 80% | | | | | 16 75.3 | | | 40 jt | | | | | 1676.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 0 | | | | | | | |
| 1680 | 16 79.5 | | | | | 16 79.5 | | | | | | | | Lith: 1658.4-1689.2 polymict, very poorly sorted breccia with angular > subrounded volcanic blocks and pebbles up to ½'; laminated and feldspar-phyric clasts, some black and some pale clasts; blocks have angular, embayed, and concave surfaces | | | | | | | | | | | | | |
| | 9.9 9.6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 96% 93% | | | | | 16 85.0 | | | clastic dike? 55 jt | | | | | 1685.7 – 1686.5 - very irregular clastic dike(?) with pale mud to v. fine sand and sparse angular clasts <.2" | | | | | | | | | | | | | |
| 1690 | 16 89.8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.3 6.9 | | | | | 16 90.4 | | | | | | | | | | | | | | | | | | tr | | | |
| | 98% 81% | | | | | 16 95.6 | | | 50 jt? | | | | | | | | | | | | | | | | | | |
| | 16 98.3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1700 | 1.6 1.1 64% 65% | | | | | 17 00 | | | 50 jt? | | | | | | | | | | | | | | | | | | |
| | 1700 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Alteration: Silic, argillic, clay, prop, Sericite, Chlorite. Met.: FeOX, CO3, Sulfide. Mineralogy: Pyrite, Marcasite, Calc/Dolo, Clay.

Comments: magnetite in some dark clasts; weakly magnetic

# Newmont Gold Core Form

**Hole#** RS-424 **Logged by** G. Langstaff **Date** 4/15/98

**Area** East Dreamland **Coords**

**Az/Incl** 0°/70-77° **Total Depth** 2309 or 2310 **Contractor**



| Footage | % Rec | RQD | Au oz/st | Ag oz/st |
|---|---|---|---|---|
| 1700 | 9.6 | 6.5 | | |
| | 96% | 65% | 17 04.9 | |
| 1710 | 17 10 | | | |
| | 10.0 | 9.5 | 17 10.0 | |
| | 100% | 95% | 17 14.8 | |
| 1720 | 17 20 | | | |
| | 9.8 | 9.1 | 17 20.0 | |
| | 98% | 91% | 17 24.9 | |
| 1730 | 17 30 | | | |
| | 10.1 | 9.6 | 17 30.0 | |
| | 101% | 96% | 17 35.2 | |
| 1740 | 17 40 | | | |
| | 9.6 | 9.6 | 17 40.0 | |
| | 96% | 96% | 17 45.1 | |
| 1750 | 17 50 | | | |
| | 9.1 | 8.8 | 17 50.0 | |
| | 91% | 88% | 17 55.1 | |
| 1760 | 17 60 | | | |
| | 3.4 | 3.3 | 17 60.0 | |
| | 68% | 66% | | |
| | 17 65 | | 17 65.8 | |
| | 3.6 | 2.9 | | |
| | 180% | 145% | | |
| | 17 67 | | | |
| | 10.2 | 9.7 | 17 69.6 | |
| 1770 | | | | |
| | 102% | 97% | 17 75.1 | |
| | 17 77 | | | |
| | 10.0 | 9.4 | | |
| 1780 | | | 17 80.2 | |
| | 100% | 94% | | |
| | | | 17 85.0 | |
| | 17 87 | | | |
| | 10.2 | 9.7 | | |
| 1790 | | | 17 90.0 | |
| | 102% | 97% | | |
| | | | 17 95.0 | |
| | 17 97 | | | |
| 1800 | | | | |

**Litho**

| Formation | Rock type | Color |
|---|---|---|
| Chocolate | | medium and dark grey |
| | no vitric lapilli | |
| | | mostly med. gray, some green |
| | sdst | dk gray |
| | resedimented? polymict, poorly sorted, volcanic pebble granule and vitric lapilli, sandy conglomerate | slightly greenish medium gray, some green clasts |
| | coarse clasts generally .3" ± .2" | grey generally with green tint |

**Graphic**

**Structure**

| Attitudes | fault | breccia | vein | gouge |
|---|---|---|---|---|
| 75 jts | 0 | 0 | 0 | 0 |
| <10 | | | | |
| 75 | | | | |
| 70 jt | | | | |
| 75 | | | | |
| 75 jts | | | | |
| jt w/chl? | | | | |
| 60 slicks | | | | |
| 65 | | | | |
| 60 jt | | | | |
| 75 jt | | | | |
| 70 | | | | |
| 55 | | | | |
| 60 jt | | | | |
| 85 jt | | | | |
| 70 | | | | |
| 60 jt | | | | |
| 70 | | | | |
| 60 jt | | | | |
| 15 calcite | | | | |
| 70 jt | | | | |
| 60 | | | | |
| 65 jt | | | | |
| 60 jt w/chl? | | | | |
| 60 jt w/chl? | | | | |
| 60 jt | | | | |

**Comments**

Lith: 1689.2 – 1712.7
polymict, poorly sorted, resedimented? conglomerate with subangular-subrounded volcanic pebbles (rarely 1.5") and locally up to 20% black, lenticular to cuspate vitric lapilli (fiamme) up to .8" long in sandy ash(?) matrix; pebbles locally clast-supported; vitric lapilli have circular white spherulites; angular-subrounded clasts supported in sandy matrix but matrix not really distinct
1712.7

Lith: 1712.7 – 1717.6
polymict, poorly sorted, volcanic-pebble conglomerate without vitric clasts; clasts < ½"
1717.6

Alt: 1717.6 – 1726.6
weak bleaching in matrix, vitric lapilli replaced by green clay; possibly some green clay in matrix
1721.6 – 1721.8 - 1" vein/bal of v. fine sand and mud? are sparse ½" volcanic clasts; broader grey zone may be bed with contactable and crosscutting contact or alteration boundaries

Lith: 1717.6 – 1726.6
polymict, poorly sorted, resedimented? conglomerate with various proportions of angular to subrounded volcanic clasts generally < ½" but up to .7" and lenticular to cuspate vitric lapilli up to ½" long and sandy (tuffaceous?) matrix

Lith: 1726.6 – 1727.8
poorly sorted, medium to v coarse-grained sandstone with common granules, rare pebbles of dark and pale volcanic rocks

Alt: 1726.6 – 1727.8
dk grey with negligible alteration except for some clasts

Lith: 1727.8 – 1822.0
polymict, poorly sorted, resedimented? conglomerate with various proportions of volcanic pebbles and vitric clasts; pebbles are <10%, angular-subrounded, pale to dark gray, rarely greenish, generally aphyric, rarely laminated, rarely with white feldspar phenos(?), rarely calcareous (laminated or spherulitic?); vitric clasts are lenticular and cuspate, generally foliated parallel to bedding(?), some with .5mm circular white spherulites(?), some with calcite blotches, rarely with euhedral feldspar phenos; local zones rich in pebbles (poor in vitric clasts), one zone of blocks > 4" ± fine, white, euhedral feldspar phenos

Alt: 1727.8 – 1820.2
variable slight bleaching and green clay alteration of matrix vitric clasts black to green, all devitrified and altered to green or darker clay; clasts have various degrees of alteration, rarely strongly bleached; concentric alteration rare to absent
1783.6 – probable feldspar phenos & spherulites(?) in vitric clast

**Alteration**

| Silic | argillic | clay | prop | Sericite | Chlorite |
|---|---|---|---|---|---|
| 0 | 0 | | 0 | 0 | 0 |
| | | | | | replaced vitric clasts |
| | | | | | 0 |
| | | | | | replaced vitric clasts in matrix |

**Met.**

| FeOX | CO3 | Sulfide |
|---|---|---|
| 0 | 2 | |
| weakly magnetic | | |
| | 3? | |
| | 2 | |
| weakly magnetic | 3? | |
| | 2 | |

**Mineralogy**

| Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|
| tr | | | |
| tr | | | |
| 0 ? | | | |

1400.2

# Newmont Gold Core Form

**Hole#** RS-424 **Az/Incl** 0°/70-77° **Page** 4 of 9

**Logged by** G. Langstaff **Area** East Dreamland **Total Depth** 2305 or 2310

**Date** 4/16/98 **Coords** **Contractor**

| Footage | % Rec | RQD | Formation | Rock type | Color | Au oz/st | Ag oz/st | Graphic | Attitudes | fault | breccia | vein | gouge | Comments | Silic | argillic | clay | prop | Sericite | Chlorite | FeOX | CO3 | Sulfide | Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 800 | 9.6 | 9.6 | Chocolate | polymict, poorly sorted, volcanic pebble-granule & vitric clast-sandy conglomerate | grey generally without any green | | | | 50 jt 4/cl | 0 | 0 | 0 | 0 | | 0 | 0 | - | 0 | 0 | tr | 0 | 2 | | 0? | | | | |
| | 96% | 96% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 07 | | | | 14 | 05.0 | | 60 jt 4/chl | | | | | 1836.5 - 1810: some vitric clasts have euhedral, white, rectangular feldspar phenos generally <1mm but one 4mm long | | | | | | | | | | | | | | | |
| | 9.7 | 8.7 | | | | | | | 60 jt 4/chl | | | | | | | | | | | | | | | | | | |
| 810 | | | | | | 18 | 10.2 | 60 | 55 jt 4/chl | | | | | | | | | | | | | | | | | | |
| | 97% | 87% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 17 | | | | 18 | 14.9 | 10 calcite | | | | | | | | | | | | | | | | | | | |
| | 9.8 | 9.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820 | | | | | | 18 | 20.7 | 50 | 55 jt 4/gn clay/chl | | | | | 1820.2 | | | | | | | | | | ? | | | |
| | 98% | 96% | | vitric clasts? 1 pebble-blocks | | | | | 40 jt 4/gn clay/chl | | | | | Alt: 1820.2 - 1834.5 paler matrix and weak pervasive green clay, vitric clasts replaced by pale to dark green clay/chlorite; rare calcite veins | | | | | 1 | | | | tr | | | | | |
| | 18 | 27 | | | | 18 | 25.4 | | | | | | | Lith: 1822 - 1830.6 magnetic, laminated, dark grey blocks up to 6" long with volcanic pebbles and more abundant vitric clasts up to 1" x .8" (4 white spherulites?); polymict v. poorly sorted, matrix-sup pebble-block breccia | | | | | | | | | | | | | | | |
| | 9.7 | 7.7 | | | grey with green in vitric clasts | | | | | | | | | | | | | | | | | | | | | | |
| 830 | | | | | | 18 | 29.9 | | 25 dip slicken | | | | | | | | | | | | | | | | | | |
| | 97% | 77% | | | | | | | 45 jt 4/gn clay | | | | | | | | | | | | | | | | | | |
| | 18 | 34.9 | | | | | | | | | | | | | | | 1834.5 | | | 0? | | | | | | | |
| | 18 | 37 | | | | | | | 75 jt 60 | | | | | Lith: 1830.6 - 1874.6 polymict very poorly sorted, generally matrix-supported, volcanic pebble conglomerate with minor vitric clasts, common granules and pebbles .1-.6", rare blocks up to 4" across; pebbles and blocks angular to rounded, rarely laminated, very rarely with white feldspar phenocrysts <1mm | | | | | | | | | | | | | | | |
| | 9.7 | 9.2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 840 | | | | | | 18 | 39.9 | | | | | | | | | | | | | | | | | | | | |
| | 97% | 92% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 47 | | | | 18 | 44.9 | | | | | | | | | | | | | | | | | | | | |
| | 10.0 | 9.5 | | | | | | | 50 jt | | | | | | | | | | | | | | | | | | |
| 850 | | | | | | 18 | 50.3 | | | | | | | | | | | | | | | | | | | | |
| | 100% | 95% | | | | | | | 60 jt | | | | | Alt: 1834.5 - 1866 negligible green clay in matrix but some in vitric clasts or pebbles; some pebbles bleached; very rare pebbles with concentric alteration; biggest blocks essentially unaltered | | | | | | | | | | | | | | | |
| | 18 | 57 | | | | 18 | 54.9 | | | | | | | | | | | | | | | | | | | | |
| | 9.7 | 8.9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 860 | | | | | | 18 | 59.8 | | | | | | | | | | | | | | | | | | | | |
| | 97% | 89% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 67 | | | | 18 | 65.1 | | 60 jt | | | | | Alt: 1866 - 1866.8 thin zone of green-clay-altered matrix, more green clasts and fewer grey clasts; weak to moderate green clay alteration; no veins | | | | | | | | | | | | | | | |
| | 9.8 | 8.3 | | 1 polymict, very poorly sorted, minor vitric clast conglomerate | medium to dark grey | | | | | | | | | 1866 | | | | | | 1 | | | | | | | |
| | | | | | | | | | | | | | | 1866.8 | | | | | | | | | | | | | |
| 870 | | | | | | 18 | 70.0 | | 60-55 jt | | | | | Alt: 1866.8 - 1898.5 variable weak green clay in matrix; all vitric clasts replaced by green clay, some pebbles; some bleached pebbles; 1873.5 rare pebbles with concentric alteration (paler rims); 1874.6 moderate to strong green clay/chl at 1897 to 1898.5 | | | | | | tr | | | | | | | | | |
| | 98% | 83% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 75.0 | | | | | | | 60 jt | | | | | | | | | | | | | | | | | | |
| | 18 | 77 | | | | | | | 60 jt | | | | | | | | | | | 1 | | | | | | | |
| | 10.0 | 10.0 | | | | | | | 55 jt | | | | | | | | | | | | | | | | | | |
| 880 | | | | | | 18 | 80.0 | | | | | | | Lith: 1874.6 - 1899.6 polymict, poorly sorted, conglomerate with angular-subrounded volcanic granules-pebbles generally .2±1" and more abundant lenticular to cuspate vitric clasts up to .7" long and abundant coarse to very coarse sand-size clasts and devitrified (soft) ash | | | | | | | | | | | | | | | |
| | 100% | 100% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 85.3 | | | | | | | 60 jt | | | | | | | | | | | | | | | | | | |
| | 18 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.8 | 9.8 | | polymict, poorly sorted, volcanic-pebble-granule & abundant vitric clast conglomerate | Greyish-green to medium grey | 18 | 94.5 | | | | | | | | | | | | | | | | | | | | |
| 890 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 98% | 98% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 94.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 18 | 97 | | | | | | | 50 jts 4/chl | | | | | | | | | | | | | | | | | | |
| | | | | | | 18 | 97.8 | | 60 | 1? | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | 0 | | | | 1898.5 1899.6 | | | 1? | | | 0? | | | 1? | | | | |

1899.4

Revised 3/17/98

# Newmont Gold Core Form

**Hole#** RS-424 **Az/Incl** 0°/70-77° **Page** 5 of 9

**Logged by** G. Langstaff **Area** East Dreamland **Total Depth** 2309 or 2310

**Date** 4/17/98 **Coords** **Contractor**

| Footage | % Rec | RQD | Formation | Rock type | Color | Au oz/st | Ag oz/st | Graphic | Attitudes | fault | breccia | vein | gouge | Comments | Silic | argillic | clay | prop | Sericite | Chlorite | FeOX | CO3 | Sulfide | Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 | 9.6 | 8.4 | Chocolate | polymict, poorly sorted, volcanic-pebble-granule & vitric clast conglomerate | grey-green with some grey clasts | | | | 35 jt | 0 | 0 | 0 | 0 | Lith: 1899.6 – 1931.6 polymict, poorly sorted, generally clast-supported conglomerate with angular-rounded (partly due to alteration) volcanic granules-pebbles rarely over .5" across; vitric clasts indistinct due to alteration and probably minor; local anastomosing foliation and augen-like textures where vitric clasts or ash matrix more abundant, some laminated volcanic pebbles | 0 | 0 | | 0 | 0 | 1-2 | 0 | 2 | | 0? | | | | |
| | 96% | 84% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 19.07 | | | | 19.04.4 | | | 75? | | | | | | | | | | | | | | | | | | |
| | 9.8 | 8.6 | | | | | | | 55 jt | | | | | | | | | | | | | | | | | | |
| 1910 | | | | | | 19.04.8 | | | | | | | | | | | | | | | | | | | | | |
| | 98% | 86% | | | | | | | 60 jt w/chl | | | | | | | | | | | | | | | | | | |
| | | | | | | 19.15.1 | | | 60 jt | | | | | | | | | | | | | | | | | | |
| | | 19.17 | | | | | | | 70? | | | | | | | | | | | | | | | | | | |
| | 10.0 | 9.4 | | | | | | | 70 jts 60 | | | | | | | | | | | | | | | | | | |
| 1920 | | | | | | 19.19.8 | | | | | | | | | | | | | | | | | | | | | |
| | 100% | 94% | | | | | | | 55? | | | | | | | | | | | | | | | | | | |
| | | | | | | 19.25.0 | | | | | | | | | | | | | | | | | | | | | |
| | | 19.27 | | | | | | | 75 jt in chl | | | | | | | | | | | | | | | | | | |
| | 9.9 | 9.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1930 | | | | | | 19.30.0 | | | | | | | | | | | | | | | | | | | | | |
| | 99% | 90% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 19.34.9 | | | | | | | | | | | | | | | | | | | | | |
| | | 19.37 | | | | | | | 60 | | | | | | | | | | | | | | | | | | |
| | 10.0 | 9.3 | | | | | | | 60 jts | | | | | | | | | | | | | | | | | | |
| 1940 | | | | | | 19.40.0 | | | | | | | | | | | | | | | | | | | | | |
| | 100% | 97% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 19.45.0 | | | | | | | | | | | | | | | | | | | | | |
| | | 19.47 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10.0 | 10.0 | | | | 19.48.5 | | | | | | | | | | | | | | | | | | | | | |
| 1950 | 100% | 100% | | | | | | | | | | | | | | | | | | 0? | 1 | | | | | | |
| | | | | | medium grey with variable red | 19.52.5 | | | 70 jt | | | | | | | | | | | | | | | | | | |
| | | 19.57 | | | | | | | | | | | | | | | | | | 1 tr | tr | | | | | | |
| | | | | | | 19.57.4 | | | | | | | | | | | | | | | | | | | | | |
| | 10.0 | 8.9 | | | | | | | 75 jt | | | | | | | | | | | | | | | | | | |
| 1960 | 100% | 89% | | | | 19.61.0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | pale translucent grey with minor red | | | | | | | | | | | | | | | | | | | | | | |
| | | 19.67 | | polymict, poorly to moderately sorted, clast-supported volcanic granule conglomerate with sparse pebbles & vitric clasts | | 19.66.2 | | | 65 jt | | | | | | tr? | | | | | | | | | | | | |
| | 9.9 | 9.1 | | | | | | | | | | | | Lith: 1965.4 – 2009.2 polymict, poorly to moderately sorted, clast-supported, granule conglomerate with minor subangular-subrounded volcanic pebbles up to .5", minor (or rarely distinct) cuspate and lenticular vitric clasts up to .5" minor interbeds of medium to v. coarse conglomeratic sandstone .2-3" thick; bed at 1995.4 – 1994.2 of normally graded coarse to medium sandstone with irreg. but not cuspate, dark vitric(?) clasts <.1", which also occur in conglomerate below, volcanic clasts include aphanitic grey with black specks which could be hornblende, aphyric (most), laminated (v. rare), feldspar-phyric (v. rare) | | | | | | | | | | | | | | | | | |
| 1970 | | | | | | 19.70.5 | | | 75 jt | | | | | | | | | | | | | | | | | | |
| | 99% | 91% | | | | | | | 70 jt | | | | | | | | | | | | | | | | | | |
| | | | | | | 19.74.4 | | | | | | | | | | | | | | | | | | | | | |
| | | 19.77 | | | medium grey with variable red | | | | | | | | | | | | | | | | | | | | | | |
| | 9.9 | 9.1 | | | | 19.74.7 | | | | | | | | | | | | | | | | | | | | | |
| 1980 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 99% | 91% | | | | 19.84.6 | | | | | | | | | | | | | | | | | | | | | |
| | | 19.87 | | | | | | | 15 fract w/hem calc | | | | | | | | | | | | | | | | | | |
| | 9.9 | 9.0 | | | | 19.89.6 | | | | | | | | | | | | | | | | | | | | | |
| 1990 | | | | | | | | | 60 jt w/hem | | | | | | | | | | | | | | | | | | |
| | 99% | 90% | | | | 19.94.1 | | | 65 jt w/hem | | | | | | | | | | | | | | | | | | |
| | | 19.97 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | 19.99.9 | | | | | | | | 1998.5 | | 1? | | | | 1? | 0 | | | | | | |

**Comments** (continued)

Alt: 1899.6 – 1931.6 variable weak to moderate green clay alteration; few dark grey clasts, most are various shades of green but alteration generally not concentric, a few very pale clasts; rare dark green chlorite in moderate green matrix

Alt: 1931.6 – 1948.5 weak to moderate green clay alteration; most clasts various shades of green but some still grey, vitric clasts completely replaced by green clay

1931.6

Lith: 1931.6 – 1965.4 polymict, poorly sorted, generally clast-supported granule conglomerate with sparse volcanic pebbles (mostly sub-rounded) up to 1+" and rare, lenticular vitric clasts up to 1" long (one contains .2" volcanic clast), considerable coarse to very coarse sand grains and possibly less ash in matrix than above

Alt: 1948.5 – 1952.2 hematite alt overprints (?) green clay (e.g. in vitric clasts), clasts variably bleached

1949

Alt: 1952.2 – 1953 moderately bleached in sharp contact with grey below; also weak green clay

1953.2 1953.2 Alt: 1953 – 1963.5 weak green clay with variable minor hematite, most clasts at least weakly bleached

Alt: 1963.5 – 1965.4 moderate bleaching and argillic alt? still some red hematite in vitric clasts previously (?) altered to green clay

Alt: 1965.4 – 1974.4 1963.5 1965.4 weak arg and possibly green clay with minor hematite

1974.4

1998.5 Alt: 1974.4 – 1998.5 probably some clay alteration but rock is dark round calcite nodules and specks up to .3"; dusky hematite (?) staining

Rock Liths weakly magnetic; not magnetic; rare local; local; local 2; local 1

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# Newmont Gold Core Form

**Hole#** RS-424 **Logged by** G. Langstaff **Date** 4/18/98

**Area** East Dreamland **Coords**

**Az/Incl** 0°/70-77° **Total Depth** 2309 or 2310 **Contractor**



| Footage | % Rec | RQD | Formation | Rock type | Color | Au oz/st | Ag oz/st | Graphic | Attitudes | fault | breccia | vein | gouge | Comments | Silic | argillic | clay | prop | Sericite | Chlorite | FEOX | CO3 | Sulfide | Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 10.1 | 10.1 | Chocolate | see above | pale tinted gray yellowish | 20 | 23.8 | | 70 jt | 0 | 0 | 0 | 0 | Alt: 1998.5-2009.2 weak argillic but most clasts bleached, vitric clasts replaced by green clay or also bleached | 0 | 1? | | 0 | 0 | 1? | 0 | 2 | | 0? | | | | |
| | 101% | 101% | | | | | | | | | | | | | | | | | | | | local 1 | | | | | |
| | 2007 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.6 | 9.2 | | vitric-lithic lapilli-rich tuff | | 20 | 09.0 | 55-60 | 35 jt/ehm | | | | | Alt: 2009.2-2048.4 possibly negligible argillic and only trace green clay (in vitric clasts) 2009.2 but most clasts are bleached; rare hematitic fractures and slight 2012.3 red tint to some clasts; ALS clasts lack calcite but aren't bleached, still relatively soft 2007.0 - 3" thick tuffaceous bed with rare granules, pebbles; reworked from below? | | tr? | | | | tr? | tr | | | | | | | |
| 2010 | 96% | 92% | | | | | | | 65 jt/ehm | | | | | | | | | | | | | 1 | | | | | |
| | | | | | | 20 | 14.3 | | 65 jt | | | | | | | | | | | | | 2 | | | | | |
| | 20 | 17 | | | | 20 | 17.0 | | | | | | | | | | | | | green clay in vitric clasts | | local 1 | | | | | |
| | 10.0 | 9.7 | | | | | | | | | | | | Lith: 2009.2-2022.3 polymict, very poorly sorted, matrix-supported ash tuff with angular (rarely subrounded) lithic frags of <.05" to .5" long black ALS phyllite (foliated, not calcareous), bleached volcanic, grey aphyric, mottled aphyric, reddish-brown aphyric, older lithic tuff, possibly pale feldspar <.05", reddish brown with irreg calcite blebs up to .1", not graded or bedded; clasts up to 3½" | | | | | | | | | | | | | | |
| 2020 | 100% | 97% | | | | 20 | 22.2 | | 55 | | | | | | | | | | | | | | | | | | |
| | 20 | 27 | | polymict, v. poorly sorted clast-sup, pebble congl. | | 20 | 26.4 | | 65 jt/ehm | | | | | | | | | | | | | | | | | | |
| | 10.0 | 9.3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2030 | 100% | 93% | | | | 20 | 31.2 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 20 | 24.9 | | 60 | | | | | | | | | | | | | | | | | | |
| | 20 | 37 | | lithic-rich | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.8 | 8.9 | | | | 20 | 34.7 | | 65 jt/ehm | | | | | | | | | | | | | | | | | | |
| 2040 | 98% | 89% | | polymict, v. poorly sorted, clast and matrix volcanic pebble conglomerate | | | | | | | | | | Lith: 2034.8-2039.5 polymict, very poorly sorted, clast- and matrix supported tuff with >50% angular to subrounded lithic lapilli up to 2", rare vitric lapilli; lithics include bleached aphyric grey aphyric, brownish-grey with black specks volcanics, black ALS phyllite, rounded grey quartz, some pebbles have bleached rims; no grading | | | | | | | | | | | | | | |
| | | | | | | 20 | 42.7 | | | | | | | | | | | | | | | | | | | | |
| | 20 | 47 | | | dk grey tinted | 20 | 46.1 | | 50 jts/ehm 50 calc | | | | | | | | | | | | | | | | | | |
| | 9.9 | 9.5 | | | | | 44.0 | | 45 | | | | | | | | | | | | | | | | | | |
| 2050 | 99% | 95% | | | | 20 | 50.2 | | 20 jt/ehm chl?calc 50% silica? | | | | | | | | | | | | | | | | | | |
| | | | | | median to pale greenish grey w/local red | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | 57 | | | | 20 | 55.2 | | | | | | | | | 1? | | | | 1 | | | | | | | |
| | 9.9 | 8.2 | | | | 20 | 59.1 | | 50 jt/ehm | | | | | Lith: 2039.5-2097.5 polymict, v. poorly sorted, clast-sup (locally matrix-sup) granule-pebble conglomerate with very angular to subrounded volcanic clasts and v. rare vitric clasts; interbedded granule congl. at 2045.9-2048.3 which lacks pebbles; bleached aphyric, grey aphyric, grey aphyric with black specks clasts; clasts up to 6" also 2058 | | | | | | | | | | | | | | |
| 2060 | 99% | 82% | | | | | | | 40 jt/ehl | | | | | | | | | | | | | | | | | | |
| | | | | | | 20 | 62.9 | | | | | | | | | | | | | | | local 3 | | | | | |
| | 20 | 67 | | | | | | | 50 irreg jt/ehm | | | | | | | | | | | | | | | | | | |
| | 9.8 | 9.8 | | | | 20 | 69.3 | | | | | | | Alt: 2048.4 — 2063.8 local dark green clay or weak argillic, local green clay or chl in matrix, all pebbles bleached, chlorite in matrix, rare hematite stains locally cuts across bleached pebbles, stronger bleaching in lower 1 foot | | 1-(2?) | | | | tr? green clay/chl in matrix | | | | | | | | |
| 2070 | 98% | 88% | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 20 | 73.0 | | | | | | | | | | | | | | | | | | | | |
| | 20 | 77 | | | | 20 | 77.1 | | | | | | | Alt: 2063.8-2087 weak (?) arg; local green clay or chl overprinted by intricate hematite staining in liesegang bands (and calcite?); hematite strongest in matrix where bands generally at low angle to core axis, locally cut across bleached pebbles or form concentric bands from clast rims inward, pyrite may be locally preserved in clast interiors 2087 | | | | | | | | | | | | | | |
| | 10.0 | 9.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2080 | 100% | 88% | | | | 20 | 82.2 | | 50 jt/ehm | | | | | | | | | | | | | | | | | | |
| | 20 | 87 | | | | 20 | 87.0 | | | | | | | | | | | | | 0 | | | | | | | |
| | 9.9 | 9.1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2090 | 99% | 91% | | | | 20 | 92.0 | | | | | | | | | | | | | | | | | | | | |
| | 20 | 97 | | | | 20 | 97.0 | | 55 jt | | | | | 2097.5 | | | | | | | | | | | | | |
| 2100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RECORDFRM.DWG Revised 3/17/98

# Newmont Gold Core Form

**Hole#** RS-424 **Logged by** G. Langstaff **Date** 4/19/98

**Area** East Dreamland **Coords** _____

**Az/Incl** 0°/70-77° **Total Depth** 2305 or 2310 **Contractor** _____



| Footage | % Rec | RQD | Formation | Rock type | Color | Au oz/st | Ag oz/st | Graphic | Attitudes | fault | breccia | vein | gouge | Comments | Silic | argillic | clay | prop | Sericite | Chlorite | FEOX | CO3 | Sulfide | Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2100 | 9.9 | 9.3 | Chocolate | unknown, possibly brecciated volcanic | pale to moderate red | 2101.8 | | | 70 jt/hem; 60 jt/hem; 30 jt/hem | 0 | 0 | 0 | 0 | Lith: 2097.5-2112.6 rock indecipherable due to hematite alteration; could be massive or brecciated volcanic rather than conglomerate | 0 | 1-(2?) | | 0 | 0 | 0 | 3 | 2 | | 0 | | | | |
| | 99% | 96% | | | | | | | | | | | | | | | | | | | | 1 or 1/3 | | | | | |
| | 2107 | | | | | 2107.0 | | | | | | | | | | | | | | | | | | | | | |
| | 10.0 | 8.7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2110 | 100% | 89% | | | | 2112.3 | | ? | | | | | | 2112.6 Lith: 2112.6-2164.4 clastic textures barely decipherable through hematite alteration; could be brecciated volcanic or volcanic breccia but probably matrix- and clast-supported volcanic-pebble conglomerate with angular to subrounded clasts; all clasts bleached beyond recognition so could be monomict or polymict | | | | | | | 2 | 2 | | | | | | | |
| | 2117 | | | | | 2117.0 | | | 45 jt/hem | | | | | | | | | | | | | | | | | | |
| | 10.0 | 9.3 | | | | | | 60 fracts | | | | | | | | | | | | | | 1 | | | | | |
| 2120 | 100% | 93% | | probable clastic textures; could be brecciated volcanic, volcanic breccia or conglomerate | | 2120.6 | | | 30 jt/hem | | | | | | | | | | | | hematite | | | | | | |
| | | | | | | 2125.2 | | | | | | | | | | | | | | | | | | | | | |
| | 2127 | | | | | | | | 50 jt/hem; 70 | | | | | 2129.8 | | | | | | | | | | | | | |
| | 9.7 | 8.3 | | | | 2129.8 | | | | | | | | | | | | | | | | | | | | | |
| 2130 | 97% | 83% | | | | | | | 65 jts/hem; 70 | | | | | Alt: 2087-2188.4 weak to moderate (?) argillic alteration, no green clay or chlorite; strong hematite alteration in liesegang bands (± calcite?), less strong at 2112-2130'; common hematite specks suggest significant pyrite previously and some relict pyrite may persist in clast cores; most liesegang banding at low angle to core axis, some is parallel to fractures 2145.5 | | | | | | | 3 | 2-3 | | | | | | | |
| | | | | | | 2134.0 | | | 30 jts/hem; 75 | | | | | | | | | | | | | | | | | | |
| | 2137 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| | 10.2 | 8.1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 2140 | 102% | 81% | | | | 2139.9 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 90 fracts | | | | | | | | | | | | | | 2 | | | | | |
| | | | | | | 2144.9 | | 20 | | | | | | | | | | | | | | 1 or 1/3 | | | | | |
| | 2147 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10.0 | 9.3 | | | | | | | 45 jt/hem | | | | | | | | | | | | | | | | | | |
| 2150 | 100% | 93% | | | | 2150.1 | | | | | | | | 2164.4-2200.0 poorly sorted, mostly clast-supported volcanic-pebble/granule conglomerate with angular to subrounded bleached volcanic clasts; considerable v. coarse sand to granule size grains; no primary textures preserved so don't know if it's polymict or monomict | | | | | | | | 1 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 1 or 2 | | | | | |
| | | | | | | 2154.8 | | | 45 jt/hem; 50 jt/hem | | | | | | | | | | | | | | | | | | |
| | 2157 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.9 | 9.1 | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| 2160 | 99% | 91% | | | | 2159.5 | | | 45 jt/hem | | | | | | | | | | | | | | | | | | |
| | | | | | | 2161.9 | | | | | | | | 2161.1? | | | | | | | | 1 or 1/3 | | | | | |
| | | | | | | 2163.9 | | | 20 jt/calc, 40 hem; jt/hem | | | | | | | | | | | | 2 | | | | | | |
| | | | | ? | | | | ? ? | | | | | | 2164.4 | | | | | | | 3 | | | | | | |
| | 2167 | | | | | 2165.3 | | | | | | | | | | | | | | | | | | | | | |
| | 9.9 | 8.9 | | | | | | | 70 jt/hem | | | | | Alt: 2188.4-2200 weak to moderate arg and weak local green clay (in clasts); strong to moderate hematite mostly in matrix, banding much less prominent than above | | | | | | | | | | | | | |
| 2170 | 99% | 89% | | | | 2169.8 | | 10-15 calcite | | | | | | | | | | | | | | | | | | | |
| | | | | | | 2174.5 | | | | | | | | | | | | | | | | | | | | | |
| | 2177 | | | | | | | | <20 jt/hem & calcareous clay | | | | | | | | | | | | | | | | | | |
| | 9.7 | 7.9 | | | | 2179.1 | | | | | | | | | | | | | | | | 2 | | | | | |
| 2180 | 97% | 79% | | | | | | | 30 jt/hem; 60° slicks | | | | | | | | | | | | | | | | | | |
| | | | | | | 2184.0 | | | 55 jt/calc, py? | | | | | | | | | | | | | 1 | | | | | |
| | 2187 | | | | | | | | 40 65 jts w/ hem | | | | | | | | | | | | | | | | | | |
| | 9.7 | 8.2 | | poorly sorted, clast- and matrix-supported volcanic-granule-pebble conglomerate | pale orange red | 2188.5 | | | 8 jt/chl? | | | | | 2188.4 | | 1-2? | | | | tr | 2 | | | | | | |
| 2190 | 97% | 82% | | | | 2191.3 | | | 30 jt/calc, weak green clay | | | | | | | | | | | | | 1 | | | | | |
| | | | | | | 2195.0 | | | 35 jt/chl; 15° slicks; 50 jt/clay; 45° slicks; 55 jt/chl; clay 45° slicks; 55 jt/chl; clay 15° slicks | | 2? | | | 2199.5 | 1? | | | | | | | 1 or 1/2 | | | | | |
| | 2197 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| 2200 | | | | | | 2199.0 | | | | | | | | | | | | | | | | | | | | | |

2200

# Newmont Gold Core Form

**Hole#** RS-424 **Logged by** G. Langstaff **Date** 4/20/98

**Area** East Dreamland **Coords**

**Az/Incl** 0°/70-77° **Total Depth** 2309 or 2310 **Contractor**



| Footage | % Rec | RQD | Au oz/st | Ag oz/st | Graphic | Attitudes | fault | breccia | vein | gouge | Comments | Silic | argillic | clay | prop | Sericite | Chlorite | Carbon | FeOX | CO3 | Sulfide | Pyrite | Marcasite | Calc/Dolo | Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2200 | 9.2 | 5.0 | | 01.0 | | | 0 | 0 | 0 | 0 | 2200.5 | 0 | +r | | 0 | 0 | 0? | | 3 | 2 | | 0 | 0 | | |
| | 92% | 50% | | | | | | | | | Lith: 2200 – 2285.8 variably brecciated, aphanitic, apparently aphyric rock, too altered to be identified with certainty; least altered at 2257-2260' is massive, aphyric but other rock types could be present | | 0 | | | | | | | | | | | | |
| | | 22 07 | | 06.0 | | | | | | | | | | | | | | | | | | | | | |
| | 6.5 | 1.8 | | | | | | 1 | | | | | 1 | | | | +r | | 1 | | | +r | | | |
| 2210 | 76% | 21% | | 12.2 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2212.2 | | | | | | | | | | | | | | |
| | | 22 15.5 | | | | | | | | | | | | | | | 1 | | +r | | | +r | | | |
| | 4.1 | 1.1 | | 16.2 | | | 1? | 2 | | 1 | Alt: 2200 - 2206 some arg but masked by deep maroon hematite, probably negligible green clay; veinlets have calcite ± white clay | | | | | | | | | 3 | | | | | |
| | 82% | 22% | | | | | 0 | 1 | | 0 | | | | | | | | | | | | | | | |
| 2220 | 22 | 20.5 | | 20.5 | | | 1? | 2 | | 1 | | | | | | | | | | | | | | | |
| | 9.2 | 7.2 | | | | | 0 | 1 | | 0 | Alt: 2206 - 2257.5 weak arg, variable trace to weak green clay generally in and around fractures cutting argly altered rock; local weak, relict (?) hematite; arg core → hematite band → bleaching → green clay in fractures; v. rare breccia veinlets (<½") with grn clay, pyrite at low angle to core axis; rare calcite ± white clay veinlets (usually low angle to core axis) cut? rare green clay veinlets (commonly at moderate angle to core axis) or is it calcite ± white clay ± grn clay? | | | | | | | | | 2 | | | | | |
| | 97% | 76% | | 25.2 | | | | | | | | | | | | | | | | variable 1-3 | | | | | |
| | | 22 30 | | 30.0 | | | | | | | | | | | | | | | | | | | | | |
| 2230 | 10.2 | 6.7 | | | | | | | | | | | | | | | | | | | | | | | |
| | 102% | 67% | | 35.2 | | | | | | | | | | | | | | | | | | very erratic | | | |
| | | 22 40 | | 40.0 | | | | | | | | | | | | | | | | | | | | | |
| 2240 | 9.4 | 6.3 | | | | | | | | | | | | | | | | | | | | | | | |
| | 99% | 63% | | 42.4 | | | | | | | | | | | | | | | | | | | | | |
| | | | | 47.3 | | | | | | | py with darker chl?, calcite vein | | | | | | | | | | | | | | |
| | | | | 48.1 | | | | | | | | | | | | | | | | | | | | | |
| | | 22 50 | | | | | | | | | | | | | | | | | | | | | | | |
| 2250 | 8.9 | 3.6 | | 52.5 | | | 0 | 2 | | | py-bearing vein | | | | | | | | | | | | | | |
| | 89% | 36% | | | | | | | | 1 | | | | | | | | | | | | | | | |
| | | | | 55.3 | | | | 0 | | 0 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2257.5 | | | | | | | | | | | | | | |
| | | 22 60 | | 60.0 | | | | | | | | | +r | | | | | | | | | | | | |
| 2260 | 9.7 | 5.2 | | | | | | 1 | | | Alt: 2257.5 – 2285.8 v. weak arg (rock is bleached but harder than above); weak green clay, rare dark green specks and fractures; generally greener color toward bottom of interval; rare calcite or white clay veins; grn clay fractures at mod. to low angle to core axis | | | | | | | | | 3 | | | | | |
| | 97% | 52% | | 64.4 | | | | | | | | | | | | | | | | | | | | | |
| | | | | 68.5 | | | | | | | | | | | | | | | | | | | | | |
| 2270 | | 22 70 | | | | | | | | | | | | | | | | | | 2 | | | | | |
| | 9.7 | 6.7 | | 71.9 | | | | | | | | | | | | | | | 0 | | | | | | |
| | 97% | 67% | | | | | | | | | | | | | | | | | | 3 | | | | | |
| | | | | 76.0 | | | | | | | | | | | | | | | | | | | | | |
| | | 22 80 | | | | | | | | | Alt: 2285.8 - 2310 still black carbonaceous and calcareous phyllite → negligible T alteration; some green clay <1' from top contact; quartz veins cut by calcite-filled fractures (but some may be qtz + calc veins); calcite fractures also cut phyllite | | | | | | | | | | | | | | |
| 2280 | 9.3 | 4.7 | | 80.9 | | | | | | | | | | | | | | | | | | | | | |
| | 93% | 47% | | 85.8 | | | 0 | 1 | | 0 | 2285.8 | | | | | | | | | 2 | | | | | |
| | | | | 88.1 | | | | 0 | | 0 | Lith: 2285.8 – 2297, 2298 - 2310 black, carbonaceous, calcareous phyllite; complexly folded and brecciated; minor pyrite throughout; low to moderate angle veinlets locally cut foliation; disrupted paler beds up to .5" thick | | 0 | | | | 0 | | 3 | 1 3 | | 1 3 | | | | |
| | | 22 90 | | | | | | | | | | | | | | | | | | | | | | | |
| 2290 | 9.5 | 2.1 | | 91.6 | | | | | | | | | | | | | | | | | | | | | |
| | 95% | 21% | | 97.0 | | | | | | | Lith: 2297 - 2297.9 pale, altered rock with undulating upper contact against phyllite and wispy xenoliths of phyllite; probably intrusive volcanic of some kind | | | | | | | | | | | | | | |
| 2300 | 23 | 00 | | 97.9 | | | | | | | | | | | | | | | | | | | | | |

**Lithology:** Formation: Au/Lang Zone; Rock type: phyllite; Color: maroon, brown with grey green, pale greenish grey w/ rare moderate reddish-brown, mottled rey pale and grey green, black (clayey), black; Vol.? cream; PLS phy black

**Structure:** 60° slicks

**Alteration:** Silic, argillic, clay, prop, Sericite, Chlorite, Carbon

**Met.:** FeOX, CO3, Sulfide

**Mineralogy:** Pyrite, Marcasite, Calc/Dolo, Clay

RBCORFRM.DWG Revised 3/17/98

# Newmont Gold Core Form

**Hole#** RS-424
**Logged by** G. Langstaff
**Date** 4/20/98
**Area** East Dreamland
**Coords**
**Az/Incl** 0°/70-77°
**Total Depth** 2310 or 2309
**Contractor**



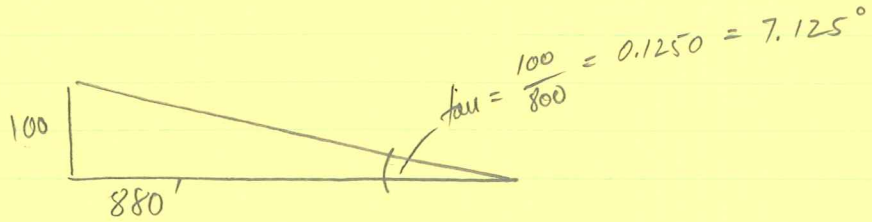
| Footage | % Rec | RQD | Litho: Formation | Litho: Rock type | Litho: Color | Au oz/st | Ag oz/st | Graphic | Structure: Attitudes | Structure: fault | Structure: breccia | Structure: vein | Structure: gouge | Comments | Alteration: Silic | Alteration: argillic | Alteration: clay | Alteration: prop | Alteration: Sericite | Alteration: Chlorite | Alteration: Carbon | Met.: FEOX | Met.: CO3 | Met.: Sulfide | Mineralogy: Pyrite | Mineralogy: Marcasite | Mineralogy: Calc/Dolo | Mineralogy: Clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 7.5 | 0.0 | Auld Lang Syne | phyllite | black | | | | 40 / 60 ↗ 30 | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 3 | 0 | 3 | | 1-3% | | | |
| | 75% | 0% | | | | 22 | 03.0? | | 40 / 60 | | | | | | | | | | | | | | | | | | | |
| 310 | 2310 | | | | | | | | | | | | | T.D. 2310 or 2309? block box | | | | | | | | | | | | | | |

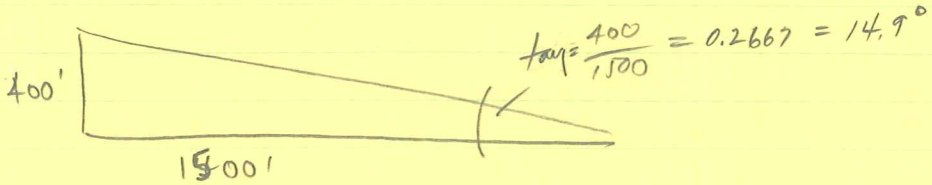
EAST DREAMLAND – GOLD HILL

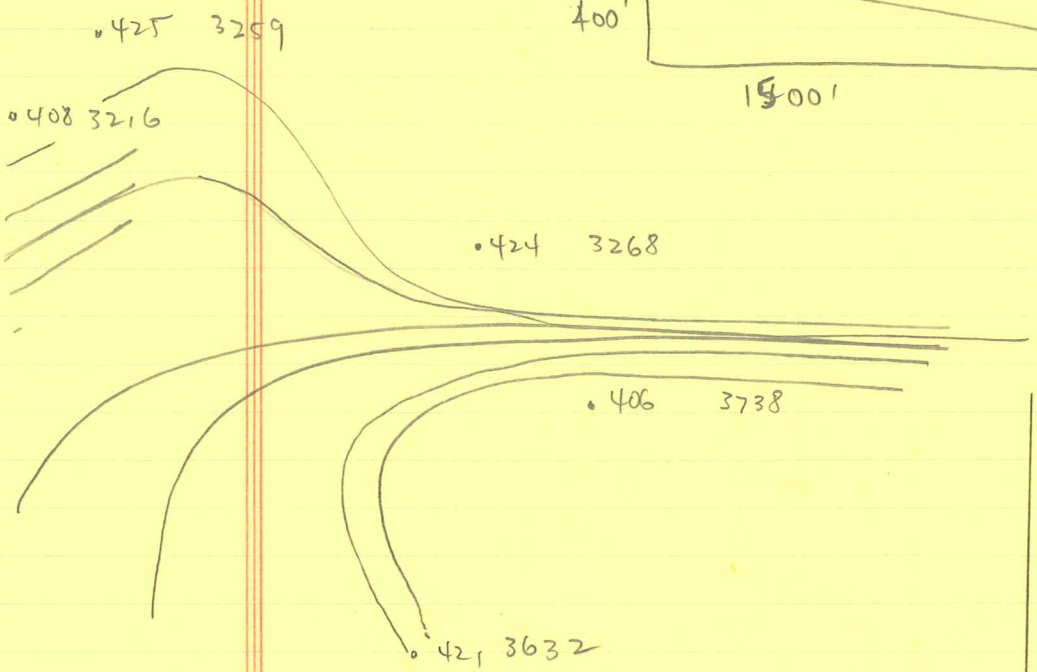
ACS

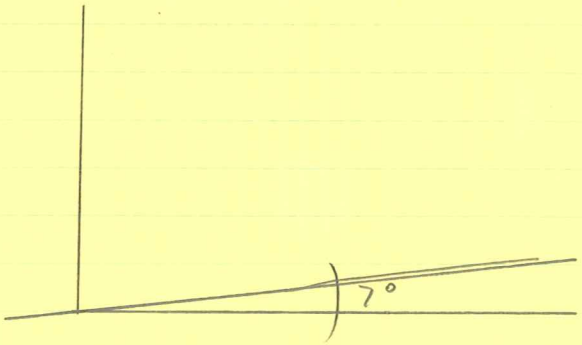
425
408 – 32
424
421 –

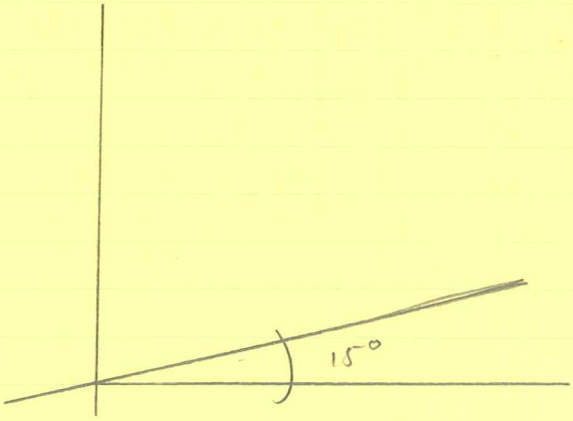
BASEMENT GRADIENT




∡ section / true dip = 29°

Dip = 15 → Apparent dip = 7°

= 7 → Apparent dip = 3½°