TABLE 2.—*Metal content, in parts per million, of bedrock samples and panned concentrates from bedrock samples, Serpentine Hot Springs area, Seward Peninsula, Alaska*



[C, random chip, G, random grab (generally of frost-riven float or bedrock over mineralized zones), PC, panned concentrate, S, selected hand specimen; N, below detection limit, L, detected but below limit of dependable reading, ND, not determined, ----, no anomaly All analyses are semiquantitative spectrographic except those for Au, which are atomic absorption, and those for Hg, which are mercury detector Analysts Au, R L Miller and R B Tripp, Hg, W R Vaughn and R L Miller, all other metals, K J. Curry *In boxheads, numbers beneath element symbols give background values and, in parentheses, N values*]

| Locality No (pl 1) | Laboratory No AHI– | Field No 68– | Sample Type | Sample Description | Au <0 02 | Ag 1 (<0 5) | Hg 0 09 | As 150 (<200) | Mn | Co 20 | Cu 100 | Mo 5 (<5) | Ni 150 | Pb 70 | Sb 150 (<200) | Sn 15 (<10) | W L (<200) | Zn 150 (<200) | Approximate concentration ratio of metals present in anomalous amount: Au | Ag | Hg | As | Mn | Co | Cu | Mo | Ni | Pb | Sb | Sn | W | Zn | Total anomaly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 [1] | 243 | ATr–25 | C | Graphitic schist | <0 02 | L | 0 06 | L | 700 | 15 | 30 | N | 70 | L | N | N | N | L | | | | | | | | | | | | | | | | |
| 2 [1] | 242 | 24 | C | Quartz-mica graphitic schist | < 02 | N | 04 | N | 300 | 10 | 10 | 5 | 50 | 50 | N | 70 | L | L | | | | | | | | | | | | | | | | |
| 3 [1] | 241 | 23 | C | Fine-grained granitic dike float | < 02 | N | 09 | L | 200 | L | 15 | N | L | 70 | N | L | N | N | | | | | | | | | | | | | | | | |
| 4 [1] | 240 | 22 | C | do | < 02 | N | 04 | L | 300 | 7 | 20 | N | 5 | 70 | N | L | N | N | | | | | | | | | | | | | | | | |
| 5 | 239 | 21 | C | Calc-silicate rock | < 02 | N | 04 | L | 700 | 15 | 20 | N | 50 | 15 | N | N | N | L | | | | | | | | | | | | | | | | |
| 6 | 195 | AH–39 | C | Cemented breccia of hornfels near fault | < 02 | L | 16 | 1,000 | 70 | N | 150 | 20 | 7 | L | N | L | L | L | | | 2 | 6 | | | 1 5 | 4 | | | | | | | | 9 |
| 7 | 460 | 38 | G | Altered granite near fault | < 02 | L | .09 | L | >5,000 | 15 | 15 | 5 | 20 | 15 | N | 100 | N | 500 | | | | | | | | | | | | 6 | | 3 | | 7 |
| 8 | 194 | 33 | G | Altered granite | < 02 | N | 08 | L | 700 | L | 15 | N | L | 100 | N | 15 | N | L | | | | | | | | | | | 1 4 | | | | | 4 |
| 9 | 208 | 82 | C | Silicified breccia of graphitic schist | < 02 | L | 03 | L | 70 | N | 200 | 70 | 50 | 200 | L | N | N | 700 | | | | | | | 2 | 14 | | | 3 | | | | 5 | 20 |
| 10 | 333 | 96 | C | Quartz vein and bordering breccia | 1 | 15 | 12 | 1,500 | 150 | N | 300 | 100 | 30 | 3,000 | 200 | 200 | N | 500 | 5 | 15 | 1 3 | 10 | | | 3 | 20 | | | 40 | 1 3 | 1 3 | | 3 | 101 6 |
| 11 | 298 | AKd–147 | C | Altered limestone near base of thrust | 4 | 15 | 6 | L | >5,000 | 150 | 50 | 15 | 150 | L | 500 | N | N | 1,500 | 20 | 15 | 7 | | | 7.5 | | 3 | | | | 3 3 | | | 10 | 58 8 |
| 12 | 297 | 146 | C | Altered zone in marble | < 02 | N | 06 | N | 200 | N | 15 | N | 10 | L | N | N | N | N | | | | | (2) | | | | | | | | | | | |
| 13 | 337 | AH–109 | C | Iron-stained silicified limestone | < 02 | N | 5 | L | >5,000 | 300 | 7 | 20 | 70 | L | L | N | N | 700 | | | 5 | | | 15 | | 4 | | | | | | | 5 | 25 |
| 14 | 296 | AKd–144 | C | Calcareous chloritic schist | < 02 | N | 12 | N | 150 | 5 | 7 | N | 10 | 10 | N | N | N | N | | | 1 5 | | (2) | | | | | | | | | | | 3 |
| 15 | 377 | ATr–80 | G | Altered chloritic schist | < 02 | L | 20 | 700 | 700 | 100 | 300 | 15 | 200 | 30 | N | N | N | 300 | | | 2 | 5 | | 5 | 3 | 3 | 1 5 | | | | | | 2 | 14 5 |
| 16 | 336 | AH–105 | G | Float of silicified limestone in schist | 02 | N | 1 50 | N | 100 | L | 7 | N | 30 | 10 | L | N | L | L | | | 16 | | (2) | | | | | | | | | | | 15 |
| 17 | 236 | ATr–16 | G | Faintly altered limestone in schist | < 02 | N | 04 | N | 700 | L | 7 | 7 | N | 10 | N | N | N | N | | | | | | | | | | | | | | | | |
| 18 | 219 | AKd–48A | G | Float, quartz vein material | < 02 | ND | 11 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | 1 2 | | | | | | | | | | | | | 2 |
| 19 | 375 | ATr–77 | G | Altered limestone at thrust contact | [3] < 1 | N | 35 | 700 | 200 | 30 | 150 | 70 | 150 | 10 | L | N | L | 700 | | | 4 | 5 | | 1 5 | 1 5 | 14 | | | | | | | 5 | 25 |
| 20 | 376 | 78 | G | do | < 02 | N | 26 | 700 | 700 | 70 | 300 | 50 | 70 | 10 | L | N | L | 700 | | | 3 | 5 | | 3.5 | 3 | 10 | | | | | | | 5 | 23 5 |
| 21 | 300 | AKd–148 | G | Calcareous graphitic schist | < 02 | N | 09 | L | 700 | N | 20 | 15 | 30 | L | N | N | N | N | | | | | | | | | | | | | | | | |
| 22 | 343 | AH–125 | C | Altered limestone in graphitic schist | < 02 | N | 07 | N | 300 | 5 | 150 | L | 50 | L | N | N | N | L | | | | | | | 1 5 | | | | | | | | | 5 |
| 23 | 554 | ATr–133 | C | Across galena zone in schist | 1 | 3 | 11 | 300 | 50 | 10 | 150 | 30 | 70 | 700 | L | L | N | 1,000 | 5 | 3 | 1 2 | 2 | | | 1 5 | 6 | | 10 | | | | | 7 | 27 7 |
| | 555 | 133Z | PC | Of sample 133 | 4 | N | ND | N | >5,000 | 5 | 100 | 10 | L | 70 | N | 15 | N | 700 | 20 | | | | | | | 2 | | | | | | | 5 | 24 |
| | 556 | 133A | C | Altered rocks north of galena float | 06 | 3 | 04 | L | 50 | 7 | 100 | 20 | 50 | 150 | N | 30 | N | 500 | 3 | 3 | | | | | | 4 | | 2 | | 2 | | | 3 | 11 |
| | 557 | 133AZ | PC | Of sample 133A | 08 | 2 | 11 | L | 70 | 7 | 150 | 30 | 70 | 200 | N | 200 | N | 700 | 4 | 2 | 1 2 | | | | 1 5 | 6 | | 3 | | 13 | | | 5 | 27 7 |
| | 558 | 133B | C | Stained float below galena prospect | 06 | 1 5 | 1 | L | 100 | 7 | 70 | 10 | 30 | 150 | N | N | N | 500 | 3 | 1 5 | 1 1 | | (2) | | | 2 | | 2 | | | | | 3 | 6 6 |
| | 559 | 133C | G | Quartz and galena | 06 | 15 | 06 | L | 50 | 5 | 30 | 15 | 30 | 2,000 | L | 30 | N | 300 | 3 | 15 | | | (2) | | | 3 | | 29 | | 2 | | | 2 | 48 |
| | 560 | 133CZ | PC | Of sample 133C | 9 | 1,000 | 5 | 300 | 50 | L | 150 | 15 | 30 | >20,000 | 500 | 70 | N | 300 | 45 | 1,000 | 6 | 2 | | | 1 5 | 3 | | >285 | 3 3 | 5 | | 2 | 1342 8 |
| | 561 | 133D | C | Cemented fault breccia | 2 | 150 | 45 | 300 | 100 | 7 | 200 | 15 | 50 | 15,000 | 150 | 100 | N | 1,000 | 10 | 150 | 5 | 2 | | | 2 | 3 | | 214 | | 7 | | 7 | 391 |
| | 562 | 133DZ | PC | Of sample 133D | 8 | 700 | 4 | 500 | 150 | N | 20 | 15 | 50 | >20,000 | 300 | 300 | N | 1,500 | 40 | 700 | 45 | 3 | | | | 3 | | >285 | 2 | 20 | | 10 | >1099 |
| 24 | 440 | AKd–249A | C | Stained float in fault zone | < 02 | N | 11 | L | 30 | L | 70 | 10 | 30 | 150 | N | N | N | L | | | 1 2 | | | | | 2 | | 2 | | | | | | 2 2 |
| | 441 | 249AZ | PC | Of sample 249A | < 02 | L | 12 | L | 100 | N | 150 | 15 | 50 | 300 | N | N | N | 700 | | | 1 3 | | | | 1 5 | 3 | | 4 | | | | 5 | 9 8 |
| | 442 | 249B | C | Stained float in fault zone | < 02 | N | 04 | L | 70 | N | 30 | 15 | 70 | 10 | N | N | N | 300 | | | | | (2) | | | 3 | | | | | | 2 | 3 |
| | 443 | 249BZ | PC | Of sample 249B | < 02 | L | .04 | N | 50 | 5 | 100 | 7 | 50 | 20 | N | N | N | 500 | | | | | | | | 1 4 | | | | | | 3 | 2 4 |
| | 444 | 249C | G | Cemented fault breccia and gouge | 5 | 200 | 65 | 700 | 70 | 7 | 2,000 | 50 | 50 | >20,000 | 150 | N | N | 2,000 | 25 | 200 | 6 | 5 | | | 20 | 10 | | >285 | | | | 13 | >556 |
| | 445 | 249CZ | PC | Of sample 249C | 6 | 1,000 | 2 5 | 500 | 50 | 5 | 5,000 | 70 | 30 | >20,000 | 700 | 100 | N | 1,000 | 30 | 1,000 | 28 | 3 | | | 50 | 14 | | >285 | 4 7 | 7 | | 7 | >1418 7 |
| | 446 | 249D | C | Of float northeast of fault zone | < 02 | 3 | 07 | L | 70 | 7 | 200 | 7 | 50 | 1,000 | N | N | N | 500 | 3 | | | | (2) | | 2 | 1 4 | | 14 | | | | 3 | 17.4 |
| | 447 | 249DZ | PC | Of sample 249D | < 02 | 3 | 09 | 3,000 | 70 | 10 | 70 | 30 | 50 | 1,000 | N | N | N | 500 | | 3 | | 20 | | | | 6 | | 14 | | | | 3 | 41 |
| | 448 | 249E | C | Float northeast of fault zone | < 02 | 7 | 12 | N | 50 | 7 | 20 | 15 | 50 | 15 | N | N | N | 300 | | | 1 2 | | (2) | | | 3 | | | | | | 2 | 3.2 |
| | 449 | 249EZ | PC | Of sample 249E | < 02 | 5 | 07 | L | 50 | 10 | 50 | 50 | 50 | 15 | N | N | N | 300 | | | | | (2) | | | 3 | | | | | | 2 | 3 |
| | 453 | 249F | S | Galena float | 8 | 5,000 | >10 | 300 | 10 | 15 | 1,500 | 50 | 7 | >20,000 | 3,000 | 500 | N | 1,000 | 40 | 5,000 | 110 | 2 | | | 15 | 10 | | >285 | 20 | 33 | | 7 | >5512 |
| 25 | 245 | ATr–30 | C | Quartz vein with metallic mineral | 1 | 500 | 4 | L | 30 | L | 150 | 30 | 30 | >20,000 | 150 | 30 | L | 1,000 | 5 | 500 | 45 | | | | 1 5 | 6 | | >285 | | 2 | | 7 | >843 5 |
| 26 | 205 | AH–75A | S | Galena-rich float | 8 | 5,000 | 9 | 700 | 100 | N | 3,000 | 150 | 30 | >20,000 | 1,500 | >1,000 | N | 3,000 | 40 | 5,000 | 100 | 5 | | | 30 | 30 | | >285 | 10 | 67 | | 20 | >5577 |
| 27 | 202 | AH–71 | G | Graphitic schist and quartz vein | < 02 | 7 | 20 | L | 30 | 5 | 300 | 30 | 70 | 15 | L | N | N | 700 | | | 2 | | (2) | | 3 | 6 | | | | | | 5 | 12 |
| 28 | 204 | 74 | G | Quartz veins in graphitic schist | < 02 | L | 15 | L | 300 | L | 70 | 15 | 30 | 30 | N | N | N | L | | | 2 | | | | | 3 | | | | | | | 3 |
| 29 | 332 | 95 | G | Stained graphitic schist near fault | < 02 | L | 08 | 200 | 150 | 7 | 200 | 30 | 100 | 15 | 150 | N | N | 1,000 | | | | 1 3 | | | 2 | 6 | | | | | | 7 | 12 3 |
| 30 | 331 | 94 | G | Quartz-mica vein float | < 02 | L | 05 | L | 3,000 | 7 | 50 | N | 70 | 15 | N | N | N | 1,000 | | | | | | | | | | | | | | 7 | 6 |
| 31 | 330 | 93 | G | Oxidized quartz float | < 02 | L | 05 | 200 | 70 | L | 100 | 20 | 30 | 50 | L | N | N | 300 | | | | 1 3 | | | | 4 | | | | | | 2 | 4 3 |
| 32 | 207 | 81 | G | Vein quartz float | < 02 | N | < 01 | L | 70 | N | 70 | L | 10 | N | N | N | N | N | | | | | | | | | | | | | | | |
| 33 | 206 | 80 | G | Iron-stained quartz veins | < 02 | N | 04 | N | 100 | L | 150 | 15 | 30 | 30 | N | 10 | N | N | | | | | | | 1 5 | 3 | | | | | | | 2 5 |
| 34 | 240 | 119 | G | Iron-stained graphitic schist | < 02 | N | 03 | 500 | 300 | 70 | 150 | 50 | 500 | 150 | N | N | N | 700 | | | | 3 | | 3 5 | 1 5 | 10 | 3 | 2 | | | | 5 | 21 |
| 35 | 218 | Akd–33 | C | Quartz veinlets in calc-silicate rock | < 02 | L | 9 | N | 300 | N | 20 | N | L | L | N | 15 | N | N | | | 10 | | | | | | | | | | | | 9 |
| 36 | 193 | AH–28 | G | Granite dike float and wallrocks | < 02 | L | 02 | L | 300 | N | 20 | 15 | 7 | 150 | N | 10 | L | L | | | | | | | | 3 | | 2 | | | | | 3 |
| 37 | 235 | ATi–14 | C | Migmatite near granite border | < 02 | 5 | 04 | L | 50 | 10 | 15 | 15 | 70 | L | L | N | N | 700 | | | | | (2) | | | 3 | | | | | | 5 | 6 |
| 38 | 120 | ASn–41 | PC | Of stream gravels | < 02 | L | 06 | L | >5,000 | 15 | 15 | 5 | 20 | 15 | N | 100 | N | 500 | | | | | | | | | | | | 7 | | 3 | 8 |
| | 121 | 41B | S | Altered mafic dike | < 02 | N | 02 | N | 700 | 70 | 100 | N | 100 | 150 | N | 10 | N | 700 | | | | | | 3 5 | | | | 2 | | | | 5 | 7.5 |
| | 122 | 41D | S | Altered aplitic dike | < 02 | N | 02 | L | 100 | N | 30 | 10 | 7 | L | N | L | N | N | | | | | | | | 2 | | | | | | | 1 |
| | 123 | 41E | S | Iron-stained dark dike | < 02 | N | 02 | L | 100 | N | 30 | 15 | 20 | L | N | N | N | L | | | | | | | | 3 | | | | | | | 2 |
| | 124 | 41F | S | Highly altered dike float | < 02 | L | 06 | L | 100 | N | 200 | 5 | 5 | L | N | N | N | 200 | | | | | | | 2 | | | | | | | 1 3 | 1 3 |
| 39 | 185 | AH–14 | C | Small quartz veins in granite | < 02 | N | 09 | L | 70 | L | 15 | N | 7 | L | N | N | L | N | | | | | | | | | | | | | | | |
| 40 | 189 | 18 | C | Calc-silicate rock near granite float | < 02 | N | 01 | L | 1,500 | 15 | 30 | L | 50 | 10 | N | 100 | N | 300 | | | | | | | | | | | | 7 | | 2 | 7 |
| 41 | 190 | 19 | C | Quartz vein in granitic dike in granite | < 02 | L | 03 | L | 1,000 | 10 | 7 | N | 50 | L | N | L | 300 | L | | | | | | | | | | | | | 2 | | 1 |
| 42 | 232 | ATr–10 | C | Calc-silicate rock near granite | < 02 | L | 03 | N | 300 | 15 | 10 | L | 70 | L | N | 20 | N | L | | | | | | | | | | | | 1 3 | | | 3 |
| 43 | 233 | 11 | C | do | < 02 | L | 02 | N | 300 | 15 | 100 | ND | 30 | 15 | N | N | N | L | | | | | | | | | | | | | | | |
| 44 [1] | 192 | AH–23 | C | Fresh granite dike in schist | < 02 | L | 02 | L | 300 | N | 20 | 15 | 7 | 150 | N | 10 | L | L | | | | | | | | | | (4) | | | | | (4) |
| 45 | 198 | 46 | C | Stained granitic dike | < 02 | 3 | 14 | N | 300 | L | 7 | N | L | 2,000 | N | 300 | N | N | | 3 | 2 | | | | | | | 29 | | 20 | | | 50 |
| 46 | 196 | 43 | C | do | < 02 | 7 | 04 | L | 150 | N | 10 | N | L | 150 | N | 300 | N | N | | | | | | | | | | 2 | | 20 | | | 20 |
| 47 | 341 | 120 | C | Pyritized calcareous metagraywacke | < 02 | L | 04 | L | 2,000 | 10 | 10 | N | 70 | 100 | N | L | N | L | | | | | | | | | | 1 4 | | | | | 4 |
| 48 | 342 | 121 | C | Pyritized metagraywacke | < 02 | 7 | 02 | N | 1,000 | 15 | 30 | L | 100 | 150 | N | N | N | 300 | | | | | | | | | | 2 | | | | 2 | 2 |
| 49 | 473 | 197A | G | Altered fault zone | < 02 | N | 01 | N | 500 | 10 | 20 | L | 70 | 20 | N | N | N | L | | | | | | | | | | | | | | | |
| | 472 | 197AZ | PC | Of sample 197A | < 02 | N | 06 | N | 500 | 10 | 20 | L | 70 | 20 | N | N | N | L | | | | | | | | | | | | | | | |
| | 475 | 197B | G | Altered fault zone | < 02 | N | .07 | N | 300 | 7 | 30 | N | 100 | 100 | N | N | N | 700 | | | | | | | | | | 1 4 | | | | 5 | 4 4 |
| | 476 | 197BZ | PC | Of sample 197B | 2 | 30 | .13 | 200 | 300 | 7 | 50 | 5 | 70 | 500 | N | N | N | 5,000 | 10 | 30 | 1 3 | 1 4 | | | | | | 7 | | | | 33 | 76 7 |
| 50 | 477 | 197C | G | Altered graphitic schist | < 02 | N | 01 | L | 700 | 15 | 50 | 10 | 100 | 150 | N | N | N | 700 | | | | | | | | 2 | | 2 | | | | 5 | 6 |
| | 478 | 197CZ | PC | Of sample 197C | 5 | L | 04 | L | 500 | 15 | 50 | 15 | 100 | 200 | N | N | N | 700 | 25 | | | | | | | 3 | | 3 | | | | 5 | 32 |
| 51 | 595 | ASn–397 | G | Float of stained quartz in altered zone | 04 | 1 | 11 | 500 | 20 | L | 100 | 30 | 30 | 300 | N | 10 | N | 200 | 2 | | 1 2 | 3 | | | | 6 | | 1 3 | | | | | 8 5 |
| | 634 | 397Z | PC | Of sample 397 | 04 | L | 06 | L | 200 | N | 70 | L | 30 | 70 | N | N | N | L | 2 | | | | | | | | | | | | | | 1 |
| 52 | 596 | 397C | G | Float, stained quartz in altered zone | 06 | 1 | .13 | 200 | 50 | 5 | 300 | 30 | 50 | 150 | L | L | N | 200 | 3 | | 1 4 | 1 3 | | | 3 | 6 | | 1 3 | | | | 1 3 | 10 3 |
| 53 | 597 | 398 | G | Float, brecciated quartz, altered zone | 06 | L | 06 | 200 | 10 | L | 150 | 30 | 30 | 20 | L | N | N | L | 3 | | | 1 3 | | | 1 5 | 6 | | | | | | | 7 8 |
| 54 | 598 | 399 | G | do | 06 | 2 | 14 | 300 | 50 | L | 150 | 30 | 15 | 150 | L | N | N | L | 3 | 2 | 1.5 | 2 | | | 1 5 | 6 | | 2 | | | | | 11 |
| | 633 | 399Z | PC | Of sample 399 | 04 | 3 | 11 | 700 | 70 | N | 300 | 70 | 30 | 150 | N | N | N | L | 2 | 3 | 1 2 | 5 | | | 3 | 14 | | 2 | | | | | 23 2 |
| 55 | 599 | 400 | G | Float, quartz from vein | 02 | 15 | 06 | L | 50 | 5 | 300 | 30 | 70 | 50 | N | N | N | L | 1 | 15 | | | | | 3 | 6 | | | | | | | 21 |
| 56 | 200 | AH–69 | C | Altered graphitic quartz-mica schist | < 02 | N | 06 | 200 | 300 | 5 | 30 | N | 30 | 2,000 | N | L | N | 500 | | | | 1.3 | | | | | | 29 | | | | 3 | 30 3 |
| 57 | 201 | 70 | G | Iron-stained float of joint facings | 8 | 700 | 65 | 10,000 | 300 | N | 1,500 | 30 | 30 | >10,000 | 150 | N | N | 5,000 | 40 | <700 | 7 | 66 | | | 15 | 6 | | >145 | 1 | | | 33 | >1004 |
| 58 | 433 | AKd–248 | G | Float for 100 yards along altered zone | 02 | 3 | 03 | 300 | 500 | 15 | 150 | L | 70 | 1,500 | N | N | N | 500 | 2 | 3 | | 2 | | | 1 5 | | | 21 | | | | 3 | 26 5 |
| | 434 | 248Z | PC | Of sample 248 | 04 | 20 | 06 | 700 | 700 | 30 | 100 | L | 150 | 5,000 | N | 30 | N | 700 | 2 | 20 | | 5 | | 1 5 | | | | 71 | | 2 | | 5 | 99 5 |
| | 435 | 248A | G | Surface soil in fault zone | < 02 | 5 | 07 | L | 700 | 20 | 50 | L | 150 | 500 | N | L | N | 300 | | | | | | | | | | 7 | | | | 2 | 7 |
| | 666 | 248AZ | PC | Of sample 248A | 1 | 7 | 28 | 700 | 700 | 20 | 150 | L | 100 | 2,000 | N | 200 | N | 700 | 5 | 7 | 3 | 5 | | | 1.5 | | | 29 | | 13 | | 5 | 60 5 |
| | 436 | 248B | G | Stained float for 200 feet along fault | < 02 | N | 07 | L | 300 | 10 | 20 | N | 100 | 20 | N | N | N | L | | | | | | | | | | | | | | | |
| | 437 | 248BZ | PC | Of sample 248B | 02 | N | 03 | L | 700 | 15 | 20 | N | 70 | 30 | N | N | N | L | | | | | | | | | | | | | | | |
| | 454 | 248C | G | Stained float for 600 feet along fault | < 02 | N | 09 | L | 500 | 15 | 20 | L | 70 | 300 | N | N | N | 300 | | | | | | | | | | 4 | | | | 2 | 4 |
| | 455 | 248CZ | PC | Of sample 248C | < 02 | 3 | .12 | 200 | 300 | 15 | 70 | L | 50 | 150 | N | 20 | N | 200 | 3 | | 1 3 | 1 4 | | | | | | 2 | | 1 3 | | 1 3 | 4 3 |
| 59 | 438 | 248D | G | Stained float for 100 feet across fault | < 02 | N | 03 | L | 500 | 7 | 7 | N | 50 | 200 | N | N | N | L | | | | | | | | | | 3 | | | | | 2 |
| | 439 | 248DZ | PC | Of sample 248D | < 02 | 7 | 06 | 300 | 500 | 10 | 30 | L | 70 | 300 | N | L | N | L | | | | 2 | | | | | | 4 | | | | | 4 |
| 60 | 592 | ASn–396 | C | Stained quartz from vein | < 02 | L | 01 | N | 150 | 7 | 5 | N | 7 | 70 | N | N | N | N | | | | | | | | | | | | | | | |
| | 632 | 396Z | PC | Of sample 396 | < 02 | 1 | 04 | L | 300 | 7 | 10 | N | 30 | 150 | N | N | N | 300 | | | | | | | | | | 2 | | | | 2 | 2 |
| | 593 | 396A | G | Float of stained schist near vein | < 02 | N | 05 | L | 200 | 7 | 10 | N | 30 | 100 | N | N | N | L | | | | | | | | | | 1 4 | | | | | 4 |
| | 631 | 396AZ | PC | Of sample 396A | < 02 | L | 04 | 200 | 300 | 15 | 15 | N | 50 | 100 | N | L | N | 200 | | | | 1 3 | | | | | | 1 4 | | | | 1 3 | 1 |
| 61 | 594 | 396B | G | Stained quartz float between veins | < 02 | 2 | 03 | 300 | 200 | 7 | 30 | N | 30 | 500 | N | 10 | N | 300 | | 2 | | 2 | | | | | | 7 | | | | 2 | 9 |
| | 630 | 396BZ | PC | Of sample 396B | 06 | 3 | 04 | 500 | 300 | 7 | 100 | N | 50 | 1,500 | N | 20 | N | 300 | 3 | 3 | | 3 | | | | | | 21 | | 1 3 | | 2 | 27 3 |
| 62 | 129 | 116A | G | Brecciated quartz | < 02 | 1 | 18 | L | 700 | 15 | 200 | 30 | 100 | 10 | N | N | N | 500 | | | 2 | | | | 2 | 6 | | | | | | 3 | 9 |
| 63 | 244 | ATr–27 | G | Deformed slate with quartz, no stains | < 02 | N | 10 | N | 300 | 150 | 70 | 15 | 300 | L | N | N | N | L | | | | 2 | | 7 5 | | 3 | 2 | | | | | | 10 5 |
| 64 | 329 | AH–92 | G | Oxidized quartz breccia | < 02 | N | 04 | L | 100 | N | 100 | 10 | 15 | L | N | N | N | L | | | | | | | | 2 | | | | | | | 1 |
| 65 | 366 | ATr–26 | C | Silicified deformed slate | < 02 | L | 06 | L | 50 | L | 50 | 30 | 30 | 200 | N | L | N | 300 | | | | | | | | 6 | | 3 | | | | 2 | 8 |
| 66 | 183 | AH–12 | C | Altered granite | < 02 | N | 04 | L | 100 | L | 20 | 5 | 7 | 50 | L | L | N | N | | | | | | | | | | | | | | | |
| 67 | 184 | 13 | C | Stained granite | < 02 | N | 01 | L | 150 | 5 | 30 | N | 5 | 70 | L | 20 | N | N | | | | | | | | | | | | 1 3 | | | 3 |
| 68 | 182 | 8 | C | Fine-grained granite dike | < 02 | L | 04 | L | 300 | 5 | 30 | N | 5 | 150 | N | 30 | N | N | | | | | | | | | | 2 | | | | | 1 |
| 69 | 327 | 88 | C | Quartz vein in slate | < 02 | N | 02 | N | 700 | 7 | 10 | N | 50 | L | N | N | N | N | | | | | | | | | | | | | | | |
| 70 | 326 | 87 | G | Iron-stained quartz breccia | < 02 | N | 03 | N | 700 | 7 | 70 | N | 30 | L | N | N | N | L | | | | | | | | | | | | | | | |
| 71 | 181 | 5 | C | Milky quartz vein | < 02 | N | 02 | L | 150 | 7 | 15 | N | 30 | L | N | 15 | N | N | | | | | | | | | | | | | | | |
| 72 [1] | 325 | 86 | S | Fresh graphitic schist | < 02 | N | < 01 | N | 1,500 | 15 | 7 | N | 150 | 30 | N | N | N | L | | | | | (4) | | | | | | | | | | (4) |
| 73 | 178 | 1 | C | Hornfels | < 02 | L | 04 | N | 1,000 | 20 | 20 | N | 150 | 20 | N | N | N | L | | | | | | | | | | | | | | | |
| 74 | 197 | 44 | C | Quartz veins in hornfels | < 02 | L | 04 | N | 700 | 10 | 30 | 5 | 70 | 70 | N | N | N | L | | | | | | | | | | | | | | | |
| 75 | 217 | AKd–32 | C | Quartz and hornfels | < 02 | N | < 01 | N | 300 | N | 20 | N | L | L | N | N | N | N | | | | | | | | | | | | | | | |
| 76 | 212 | 22 | C | Hornfels | < 02 | L | < 01 | N | 700 | 20 | 15 | L | 150 | 70 | L | N | N | N | | | | | | | | | | | | | | | |
| 77 | 213 | 23 | C | do | < 02 | L | 01 | N | 2,000 | 15 | 20 | N | 100 | 50 | L | L | N | L | | | | | | | | | | | | | | | |
| 78 | 216 | 31 | C | Quartz veins and hornfels | < 02 | L | 9 | N | 1,500 | 20 | 150 | 5 | 150 | 50 | L | L | N | N | | | 10 | | | | 1 5 | | | | | | | | 9 5 |
| 79 [1] | 186 | AH–15 | C | Fine-grained granite | < 02 | N | 04 | N | 150 | L | 7 | N | 5 | 70 | N | 15 | L | N | | | | | | | | | | | | | | | |
| 80 | 187 | 16 | C | Granite, pegmatitic | < 02 | L | 04 | L | 150 | 5 | 10 | N | 5 | 150 | L | 15 | L | N | | | | | | | | | | 2 | | | | | 1 |
| 81 | 214 | AKd–26 | C | Quartz vein in granite | < 02 | N | < 01 | N | 300 | N | 20 | N | L | 30 | N | 70 | N | N | | | | | | | | | | | | 5 | | | 4 |
| 82 | 215 | 27 | C | do | < 02 | N | 09 | N | 300 | N | 7 | N | L | 30 | N | 100 | N | N | | | | | | | | | | | | 7 | | | 6 |
| 83 | 646 | ASn–272 | PC | From fault zone | < 02 | N | 02 | N | 5,000 | 10 | 70 | 5 | 30 | 150 | N | 300 | N | L | | | | | | | | | | 2 | | 20 | | | 20 |
| | 172 | 272A | G | From fault gouge | < 02 | N | 04 | N | 1,000 | 7 | 30 | N | 5 | 70 | N | L | 150 | 500 | | | | | | | | | | | | | | 3 | 2 |
| 84 | 169 | 268 | C | Greisen veinlet, 6 inches | < 02 | L | 06 | N | 300 | 7 | 70 | N | 7 | 300 | N | 300 | N | 700 | | | | | | | | | | 4 | | 20 | | 5 | 26 |
| 85 [1] | 117 | 30 | C | Xenolith of granite in granite | < 02 | 1 | < 01 | L | 700 | 10 | 10 | N | 10 | 150 | N | 30 | N | L | | | | | | | | | | | | (4) | | | (4) |
| 86 | 171 | 270 | C | Iron-stained granite | < 02 | N | 05 | L | 700 | 10 | 7 | 7 | 7 | 70 | N | 30 | N | N | | | | | | | | | | | | 2 | | | 1 |
| 87 | 114 | 14 | C | Tourmalinized slate | < 02 | L | 02 | N | 700 | 20 | 30 | N | 150 | 70 | N | N | N | 200 | | | | | | | | | | | | | | 1 3 | 3 |
| 88 | 116 | 17A | C | Tourmalinized graphitic slate | < 02 | L | 02 | N | 500 | 5 | 30 | N | 20 | 70 | N | 70 | N | 300 | | | | | | | | | | | | 5 | | 2 | 5 |
| 89 | 115 | 17 | C | Iron-stained gneiss | < 02 | L | < 01 | N | 300 | 15 | 70 | 50 | 70 | 100 | N | N | N | 500 | | | | | | | | 10 | | 1 4 | | | | 3 | 11 4 |
| 90 | 188 | AH–17 | C | Fine-grained granite from dike | < 02 | N | 01 | N | 700 | 5 | 15 | N | L | 70 | N | 30 | L | N | | | | | | | | | | | | 2 | | | 1 |

[1] Background sample
[2] Mn loss
[3] Insufficient sample for 0 02 analysis
[4] Above selected background value