Table 2-2 Result of geochemical grade assay

| | | - | Au ppe | \$ | 4. | 7 § | 4 5 | 4 8 | 78 B | 3 ° | 8 8 | 8 8 | . a | 2 8 | 4 § | 4 5 | ** | 3 6 | 2. | Į. | \$ F | ž " | |
|---------|-------------------------|--------------|--------|-------------|--------|------------|------------|-------------|----------|-----|-----|-----|-----|-----|------------|-----|--------------|-----|----|----|------------|------------|---|
| DAME LA | Market I | P10.11.1.1.1 | ļ | 3 | | 1 | | : | L | L | L | L | ı | ı | l | l | ı | ı | Ĺ | L | ľ | 10.0 | |
| | 1415 | 710.11-0-1 | * \$ | : ; | 0.52 | | 5,0 | : 3 | | | | | | | | | | | | | 40 | 9 | |
| į | CALOS | P19,1X-3-1 | \$ | ., | 1.29 | | 2 | 4 | | | | | | | | | | | | | ** | 0.16 | |
| 7117 | 7012 | F19.II-3-1 | \$ | | 0.03 | | 2 | \$ | | | | | | | | | | | | | 7 | (°,0) | |
| Siz | Calpt | F19.17-3-1 | 43 | 4,2 | 0,37 | | 2 | 5.5 | -1 | ļ | ı | | - | ı | ı | - 1 | ı | 1 | . | 1 | | ٥ | |
| Г | Calpi | 1.6.11.914 | \$ | 2.3 | 0.01 | | 120 | \$13 | | | | | | | | | | | | | • | 3 3 | |
| | Calpa | F19.11-3-1 | not/e | 3 | 2.07 | | 2 | 9 (| | | | | | | | | | | | | | 0.0 | |
| Ê | Calpi | F10.11.3.3 | ; ÷ | ; ; | 1.1 | | ? | | | | | | | | | | | | | | . ~ | 0.09 | |
| | Celos | F19.11-3-1 | . 4 | . 5 | 0.70 | | 10 | 6.5 | | | | | | 1 | | | | | | - | ^ | 0.05 | |
| 150 | Calpi | F19.11-3-1 | \$ | 0,2 | 1.01 | | å | \$.5 | | | | | | | | | | | ٠. | | -1 | 0.03 | |
| | Calpi | F19.11-3-1 | ¢ | ? :5 | 96.0 | | 92 | \$. | | | | | | | | | | | | | ٠ : | 0.08 | |
| | Kasulog | P19.II-3-1 | ę | ?; | 65.4 | | ę; | و ا | | | | | | | | | | | | : | ; | 20.0 | |
| | HARUZOS | F19.II-3-1 | 0 : | 3 : | | | Q 5 | 9 | | | | | | | | | | | | | ; ~ | 6 | |
| KV12 | Pill Anomary | 719, II-3-1 | ٥ | 3 | | ł | | | ı | ı | ı | 1 | ı | | 1 | ł | ı | ı | l | l | | 1 | |
| KY15 | Pill anomary | 1.6.11.3.1 | e : | 3 3 | | | | 9 4 | | | | | | | | | | | | | , 1 | 0 | |
| ٠. | PLLS anomary | 19.11-1-1 | 2 3 | | 6.4 | | 200 | 3 3 | | | | | | | | | | | | | \$ | 0 | |
| | Pill according | 740.11.3.) | \$ | 7 | 1.53 | | 9 | 5 | | | | | | | | | | | | | \$ | 0.0 | |
| | Course of the Course of | F19.11.3.1 | : 0 | | 9.0 | | Š | ij | | | | | | | | 1 | | | | | \$ | 0.39 | |
| | Camadan studen | F10,11-3-1 | 9 | 3 | 80.0 | Ł | 2 | 3 | 1 | l | ļ | | • | ı | | 1 | | | | | ₹ | 10.0 | |
| 20 | Coveyen Civer | P19.11-3-1 | ç | ? | 1.29 | | 2 | \$: | | | | | | | | | | | | | \$ | 0.0 | |
| KY26B | Cawavan river | F10.17-3-1 | 4 | ? ; | 0.82 | | 02 | : | | | | | | | | | | | | | \$ | 4.0 | |
| KY27 | Causyan Thun | PA9.11-3-1 | • | 4.2 | 1.84 | | ş | 6.5 | ٠ | | | | 7 | | | | | | | | m | 0.03 | |
| CAS | Cawayan river | F19.11-3-1 | <\$ | 7.7 | 0.60 | | 160 | 3 | ١ | ١ | Į | 1 | ı | ł | ı | ı | ı | ı | ı | ı | ₽ | 0.01 | |
| 22345 | Camayan Elvar | P19.11-3-1 | \$ | ç., | 1,56 | | 330 | ş; | | | | | | | | | | | | | \$: | 77.0 | |
| EM23 | Canayan stivat | F19.11-3-1 | 0 | | 0,0 | | 2 1 | ξ. | | | | | | | | | | | | | ‡ (| 3 | |
| SH25 | Camayan siver | F49.31-3-1 | \$: | Ţ : | 5.26 | | ۶ ۽ | ç; | | | | | | | | | | | | | ; | 0.0 | |
| 25 | 110 | P19.11-3-7 | e : | 3 5 | 9 7 6 | | 9 9 | 3 3 | | | | | | | | | | | | | , ÷ | 9. 50 | |
| Ţ | 7101 | | | | | ı | ; | į | 1 | ı | ı | ĺ | ļ | l | | | ŀ | l |] | 1 | • | 0.05 | |
| | 7101 | 770.11-1-7 | £ 4 | ? ; | | | 3 | | | | | | | | | | | | | | 27 | 0.03 | |
| | 7161 | 11.0.1 | 3 (| | 26.0 | | ; 2 | ; ; | | | | | | | | | | | | | - | 0.03 | |
| | 1011 | 7.5.17.0.7 | | ? | 1,00 | | 9 | \$ | | | | | | | | | | | | | 4 | 0.0 | |
| | 7117 | F19,17-3-7 | \$ | 7. | 0.31 | | 130 | \$ | | | | | | | 1 | ļ | | 1 | | | ~ | 0.03 | |
| ŝ | Pantao-Negas-Cabarsan | F10,11-3-9 | \$ | | 0.13 | 1 | ş | ç; | | | | | | | | | | ٠ | | | 1 | 0.01 | |
| | Plo Duran-Kapulaki | P19.11-3-10 | ç | 7 | 2,95 | | \$ | ; | | | | | | | | | | | | | ਹ | 0.24 | |
| | PLO Duran-Kapulaki | 19,11-2-10 | \$ | ÷.3 | 2.03 | | 50 | r; | | | | | | | | | | | | | ರ : | 97.0 | |
| _ | PLO Duran-Kapulaki | F19.11-3-10 | € : | 9.0 | 2.03 | | g ; | | | | | | | | ; | | | | , | | d t | 6 6 | |
| T | Plo Deran-Kapulaki | F19.11.31.10 | 4 | | | ı | 180 | | 1 | L | L | l | l | ı | l | l | L | į. | ł | 1 | 7 | 0.03 | |
| | Monte Calverio | F10.17-3-12 | 0 | | 7 | | 3 | . | | | | | | | | | | | | | 3 | 4.01 | |
| | Monte Calvario | P19.II-3-12 | 8 | 4.2 | 2,50 | | ş | 4,5 | | | | | | | | | | | | | ¢ | 0.14 | |
| | Honte Calvario | F14.11-3-12 | Đ | 6.5 | 2.97 | | 2 1 | 6 ,0 | | | | | | - | | | | | | | ~ ; | 8 6 | |
| 263 | Monte Calverio | 719.11.3.12 | \$ | , , | | П | | | ŀ | | ı | ı | 1 | 1 | L | ı | | | | ı | - | 0.03 | |
| | 51819on | P10.11-3-12 | 9 0 | 7 | 3 6 | | , 2 | : : | | | | | | | | | | ٠. | | | ₹ | 5, | |
| See 5 | Statoon | P10.11-3-12 | 3 | 3 | 9,36 | | 9 | 5.5 | | | | | | | | | | | | | | 0,03 | |
| . , | Bulavan, Cabao | P19.11-3-12 | \$ | ç.2 | 0.99 | | ş | ~ | | | | | | | | | | | | | ರ | 0.02 | |
| | Bulawen, Caban | F19. 11-3-12 | \$ | 6.2 | 3,42 | - 1 | ŝ | 2 | | | | 1 | ı | ı | 1 | | 1 | 1 | 1 | ŀ | 4 | 6 | _ |
| KY3\$ | Bullawen, Gabao | F19.11-3-12 | \$ | 4,2 | 1.71 | | 2 | ÷ | | | | | | | | | | | | | -4 ; | 4 6 | |
| | Bulewen, Cabao | 719.11-3-12 | ę, | ? : | 7 6 | | 2 9 | , . | | | | | | | | | | | | | ; ; | 90 | |
| ٠. | Bulawan, Gabao | F10.11-3-14 | 0 1 | ; ; | 3 : | | 9 5 | ; ; | | | | | | | | | 9 | | | | - | 0.15 | |
| , | Youes, Gabao | 710-11-3-17 | 2 = | . 0 | .0. | | 95 | ; ; | | | | | | | | | 1 0,1 | | | | ٥ | 0.47 | |
| ,,,, | Southern Ironia | P10, I1-3-12 | 0 | 2.2 | 0.25 | l | 2 | ÷. | l | l | | l | | 7 | ı | ľ | 1 0.0 | ŀ | ı | | et. | 4.01 | |
| | Southern Irosin | P19.11-3-12 | Đ | <.7× | 0.54 | | 410 | 9.5 | ¢ | | | | | | | • | 0.0 | | | | ₽ | 0.01 | |
| | Southern Iresin | P19.11-3-12 | ę | <.2 | 0,80 | | 90 | ş.) | 3 | | | | | | | | 0 0 | | | | ₽ 1 | 0 6 | |
| | Magallanes | P19.11.3-14 | v : | 7, | . 66.4 | | 040 | 2,5 | ; ; | | | | | | | • | \$ 0 \$ 0 | | | - | 7 0 |) o | |
| . E | Magal lenes | P19,11-3-14 | | , | 2010 | 1 | È | • | | | | | 1 | 1 | ĺ | | | ١. | | 1 | | | |

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Table 2-2 Result of geochemical grade assay

| | _ | | qdd av | ₹ : | | | | | | | | | | | | | | | | | ž | | |
|----------------|------------------------|---|------------|--------|-----|-----|-----|-----|---|------|---|-------|------|------|-----|-----|------|-----|------|--|----------------|-----|--|
| SHC7 | B PRUSPECT | PLO 17-3-14 | .v.v. | udd o | | | | | | 1 | 1 | | - 1 | - 1 | | 1 | | | | | uds. | - 1 | |
| 3 | San Roma-Mt. Malebace | F10.11.3-15 | 2 0 | 3 | | | | | | | | | | | | | | | | | ٠, ١ | | |
| 6 | Ban Roque-Mt. Melobago | P19,11-3-15 | 9 | j | | | | | | | | | | | | | | | | | | | |
| 442 | Tugas | F19.11-3-16 | \$ | 9.0 | | | | | | | | | | | | | | | | | 4 | | |
| 340 | Tropie | F19. T1-3-16 | E | Ş | | - 1 | - 1 | - 1 | | ı | | | | - 1 | | ı | - 1 | 1 | - 1 | - 1 | Ş | | |
| ş i | 1700 | PAG II 3-16 | v : | 3: | | | | | | | | | | | | | | | | | 7 | | |
| i sign | 8007 | F19.11-3-16 | 9 19 | | | | | | | | | | | | | | | | | | → ; | | |
| KX 40 | Matrog-Culant | 74g.11-3-16 | • • | 3 | | | | | | | | | | | | | | | | | , ~ | | |
| KY41 | Hatnog-Culant | P19.TI-3-16 | \$ | 0.2 | | | | | | | i | 1 | | | | | | | | | ' Ç | | |
| K742 | Matnog-Culesi | P19.II-3-16 | 8 | 2, | | , | | | | ı | l | 1 | | Ł | Ł | ı | 1 | 1 | 1 | ı. | ~ | ı | |
| K¥43 | Hatnog-Culest | F19.11.3-16 | \$ | ~ | | | | | | | | | | | | | | | | | - | | |
| KY44 | Matnog-Cules1 | P19,11-3-16 | Ç | 7.0 | | | | | | | | | | | | | | | | | \$ | | |
| 200 | Hetnog-Culest | 719 II 3-16 | ¢: | , , | | | | | | | | | | | | | | | | | ₹ | | |
| 2 | Harmon-Colons | 419 11-3-10 | 2 3 | , | | ŧ | | | | 1 | 1 | | 1 | - 1 | | Į | - | i | . 1 | - 1 | 1 | - 1 | |
| 6 | Control on | 01-5-17-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | 3 : | ; ; | | | | | | | | | | | | | | | | | å ' | | |
| 3460 | But ag-Sua | F10.11-3-17 | : : | | | | | | | | | | | | | | | | | | `` | | |
| 3 | Butag-Sua | F19. II - 3-17 | | ~ | | | | | | | | | | | | | | | | | , ~ | | |
| S#65 | But ag - Sua | F19, II-3-17 | Ş | 613 | | | - 1 | - 3 | | | | | | | | | | | | | • - | | |
| 33,5 | Buteg.Sue | F19, 31-3-17 | S | ۲.۶ | | | | | | ı | ı | | | | | | | | Į. | | * | | |
| £ : | Struma | P19.11-3-19 | φ. | ç., | | | | | | | | | | | | | | | | | ₽ | | |
| ¥ 12 | Sirue | F19.17-3-19 | 0 : | e . | | | | | | | | | | | | | | | | | ₽ | | |
| 7 1 | Signature | F19.11-3-19 | ê r | , | | | | | | | | | | | | | | | | | ت ۲ | | |
| į | | | ١ | | | | 1 | 1 | | ı | ı | | | | | 1 | F | ı | н | | : | - | |
| 11.7 | Siruna | PAG. IX-3-39 | 2200 | | | | | | | | | | | | | | | | | | 7 | | |
| .18k | Southern Strume Bay | F19 IX-3-19 | 43 | ~:> | | | | | | | | | | | | | | | | | : - | | |
| 148¢ | Popoot | P19.11-3-21 | 32 | •:• | | | | | | | | | | | | | | | | | r | | |
| | Tomben-Olds | 719 17-3-21 | 2 | 3 | | • | | | | 1 | 1 | | - 6 | | | - 1 | -1 | ŀ | - [| | 7 | - 1 | |
| | Tember-Olds | F19.11-3-21 | 2 : | 3 ; | | | | | | | | | | | | | | | | | J | | |
| D/ BLA | ACCOUNT OF ACCOUNTS | 770-111-014 | 0 5 | | | | | | | | | | | | | | | | | | ¢ 9 | | |
| á | Manters Persons | 11.0 | 9 5 | | | | | | | | | | | | | | | | | | ¢ | | |
| KY57B | Esstern Presono | F19.11-3-24 | . 10 | 3 | | | | | | | | | | | | | | | | | ; " | | |
| KYS7C | Kantarn Passoso | P19,11-3-24 | ŝ | 6,2 | | | 1 | 1 | | 1 | 1 | | | | | ı | L | 1 | 1 | | = | | |
| XY57D | Eastern Passons | F19.II-3-24 | ¢ | 0.2 | | | | | | | | | | | | | | | | | 4 | | |
| KY\$9A | Eastern Passono | F19. II-3-24 | ٠ | 9.0 | | | | | | | | | | | | | | | | | ♥ | | |
| 4.50 | Eastern Passono | F19.11-3-24 | e e | 7.0 | | | | | | | | | | | | | | | | | ಭ: | | |
| Xy61 | Esstern Passons | F10.13-3-24 | 2 | , 0 | | 1 | 1 | | | | | Ł | | | 4 | | ľ | ı | ı | | 2 | | |
| 0,000 | Lake Bunt | P19.11-3-26 | ŧ. | ; | | | | | | | | | | | | | | | | | 9 " | | |
| ŝ | Cake Buna | Pag. 11-3-26 | 0 | ζ. | | | | | | | | | | | | | | | | | 4 | | |
| 200 | | F19. II-3-27 | υ: | ~ . | | | | | | | | | | | | | | | | | 74 | | |
| 3 | Cacrason, Belaten | F19. 73-3-27 | | ? | | ı | | - 1 | | - 1 | ı | | | - 1 | - 1 | 1 | - 1 | - 1 | - 1 | - 1 | ¢ | ı | |
| 7045 | Carleton, Balacan | F19.11.3.77 | 9 (| , | | | : | | | : | | 1 | | | | | | : | | | m, . | | |
| See 7 | - Belatan | F19. II-3-27 | 9 | ? | | | | | | | | | | | | | | | | | | | |
| 2969 | Baletan | P19, II-3-27 | ST | ?; | | | | | | | | | | • | | | | | | | \$ | | |
| 2 | Balgton | F19, 11-3-27 | 9 | 7 | | E | - 1 | ŧ | | - 1 | | | | • | - 1 | ŀ | - 1 | - 1 | - 1 | | 1 | | |
| KY65C | Southern Belatan | 719.II-3-27 | e x | 0.5 | | | 1 | | | 1 | | 4 | | | | • | 2 | | | | ç | ĺ | |
| Ę | 8100DO | 74g.11-3-30 | 9 | ; ; | | | | | | | | | | | | | | | | | ₹ (| | |
| 9460 | Sibobo | P19.11-3-30 | • | ć.2 | | | | | | | | | | | | | | | | | ; 0 | | |
| 1 | | F19 11-3-30 | £ | ç. | | | | ı | | - 1 | ı | - 1 | 4 | - 1 | - 1 | -[| , | - 1 | - 1 | | | | |
| Ě | E10000 | 719.11-3-30- | 4 | N . | | - | | 1 | | : | ÷ | | 3 | | | | | : | | | ۰ | | |
| 50 F. | Access Hine | 719,11-3-30 | 9 9 | 30 | | | | - | | | | | | | | | | | | | ♥. | | |
| 11100 11100 | Tidi Hine site | F19.11-2-33 | 2180 | 22.6 | 1.0 | 7 | 900 | | 0 | 6.03 | Ş | 6 133 | 1775 | 1.62 | 3 | ⁺ ಫ | 0.12 | ð | 0.03 | , 12 12 13 13 13 13 13 13 13 13 13 13 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14 | 2 2 | 7.5 | |
| 1111 | Pangano | F19. II-3-33 | 52 | 0,2 | | | | | | | | | | 1 | | | | | | | 1 5 | | |
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Table 2-2 Result of geochemical grade assay

| | | | add av | ş | 7 | 2 | 2 | å | ŢĢ. | ð | 8 | | | ā | | | | | | | | | |
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| SAMPLE | PAOSPECT | REPERENCE | FATA | ŧ. | • | Ē | Į. | £ | | | | | | 3 5 | | | . 1 | | - | • • | ٠ | 2 1 | |
| TH112. | Exiben Mine exte | F19.11-3-33 | - 15 | 4.2 | 1.16 | 3 | ç | | l | | ļ | l | ı | ١. | l | l | L | İ | ı | l | | ŀ | la |
| 3 | Extben Mine site | P19,11-3-33 | 250 | ? | 1.73 | 2 | 2 | \$; | | | Ĵ | _ | | | | | | | | | , , | | 3 8 |
| 7487 | Mt. Beganey | F19, II-3-33 | 680 | ? | 1.10 | ٠ | 140 | : | ~ | | Ş | n | | | | | | | | | , . | | a a |
| 149 | Mt. Begenny | F19.11-3-33 | 6780 | 6.2 | 2.47 | • | 9 | ÷ | | 66.0 | ç; | 7 | ₩ | 3810 5. | 3,75 | 9 | | 68.0 | C10 0.72 | 72 455 | | | : 2 |
| 100 | Ht. Bagacay | Pig. II-3-33 | 2600 | 9.9 | 1.34 | C | .07 | 4.5 | | | 5 | ۰ | | - 1 | | | : ;; | | | | | | : a |
| KY 6 8B | Bulate | P19.11-3-36. | \$ | 7.7 | 0.33 | 110 | 70 | 6.5 | | 1 | \$:> | | | | | | l | L | Ľ | ŀ | | ۱ | ła |
| KY72 | Bulela | P1g. X1-3-36 | ę | ? | 6.53 | : | 3 | Ş | | | \$; | 7 | | | | | | | | | | | |
| KY24 | Bulete | F1g.11-3-36 | \$ | Ç | 0.20 | Z, | 0.0 0.0 | | | | ç; | • | | - | | | | | | | • | 7 | = |
| 2002 | Ht. Culesi | 719,11-3-37 | 2 | 0.3 | 0.01 | ¥ | 470 | \$15 | | | \$; | - | | _ | | | | | | | | 7 | ! 8 |
| SM94 | Mt. Culasi | F19.2X-3-37 | ઈ | 7.2 | 0.01 | 150 | oc o | 4,5 | | | \$'} | so. | | - 1 | | | ĺ | | | | | , v | : = |
| 00THS | Mt. Labo | P10.11-3-39 | <u>د</u> | 0.7 | 1.39 | . 12 | 10 | 4.5 | * | | ç.5 | 7 | | 1 | 1 | | ľ | l, | L | 1 | | ٥ | 12 |
| Sel 0. | Mt. [400 | P19.11-3-39 | ¢ | ç: Ç: | 0.79 | 38 | Š | \$: | ٥ | | ç | • | 33 | • | | | ¢. | | | | 20 | ٥ | |
| SM102 | Mr. Cabo | f19 II-3-39 | ¢ | | 96.0 | 97 | 140 | \$ | | | 43 | - | 2 | | | | Ī | | | | | | |
| SMIOS | Ht. Labo | F19.17-3-39 | Ç | 0.1 | 2.50 | 91 | 8 | \$ | \$ | | ţ | ~ | 6 | 16 1. | | | - | | | | | 17.0 | . = |
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Table 2-2 Result of geochemical grade assay

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|--|--------------|-----------------------|---------------|------------|------------|-------------|------------|----------|------|----------|------------|------------|----------|---------------|------------|
| California Paris California Californ | SAMPLE | PROSPECT | HEPERENCE | å | Æ | ę. | e d | 2 E | | ř = | ř. | 2 | > 8 | > { | S I |
| 10 Calpin Principal 1 1 1 1 1 1 1 1 1 | 1100B | Calpi | FA9. 11-3-1 | * | | ₽ | S | - | 2 | • | | 1 | ╬ | | 1 |
| 11 Colpt. Pay Pa | 3 410 | Calps | F19.11-3-1 | -1 | 430 | • | \$ | - | 172 | | | ; | 1 ; | 3 : | * |
| 11.1 Galph Capping | 7 | Calpi | F14. II.3.1 | - | 921 | , (| ; ; | • • | 7 . | | 3 | 9 | 2 | ð | • |
| 11. Colore Colo | TH12 | Calpi | F10 11.7-1 | ; • | 2 | ; ; | , | • • | 3 | .0 | ŝ | 9 | ĉ | 3 | ♥ |
| 11 Cutoff Cutof | 27.65 | Calot | | • | 3 3 | ; ' | 3 | - | 7.3 | 6 | ĝ, | 5 | • | 95 | ≎ |
| California Cal | 4. HT | Calot | | 1 | 9 | 1 | | 7 | 2 | 3 | \$ | 90 | • | 013 | • |
| Chapter Chap | 81141 | 0.00 | | * ; | . 67 | : : : | Ç | ‡ | ~ | 10. | 9 | 07. | ~ | 073 | O |
| 13 Octobal Control | ě | Cales | 7 77 67 4 | 2 : | 2 6 | ÷ | ζ: | en | 596 | 0.01 | 0 | \$ | \$ | 410 | a 7 |
| 10 10 10 10 10 10 10 10 | 1 | Calos | | ; ' | 017 | ~ . | \$ | ~ | 126 | ٠. د. | \$ | Ç | ž | \$ | • |
| Company Comp | 600 | 200 | F18.11-1-1 | _ | 1020 | 0 | ٥ | ru. | 202 | . 10. | g | Ĵ | £ | ð | ~ |
| Court Cour | | 2775 | 1.6 11.3.1 | 9 | ğ | ~ | 0 | - | 109 | ٥.٥ | 410 | 010 | • | Ĉ | 12 |
| 1. | 200 | (a) 5) | 1.19.11-0-1 | ~ | 740 | Ç | U | 3 | 62 | ۲۰۰۱ | - 073 | 070 | ž | 010 | 2 |
| The section | £ . | Calpi | P19.11-3-1 | • | 160 | rs. | Ç | - | 103 | 4.03 | 5 | 620 | 2 | 9 | |
| 17. | 3 | Masulog | FA9. II-3-1 | 2 | 9 | O | ¢ | 7 | 77 | 707 | 00 | 90 | 1 5 | | ٠, |
| 17 Pitta enchancy Pigatite-1 1 10 C 2 1 1 1 1 1 1 1 1 1 | 247.7 | Hesulog | 710.II-3-1 | ıa | 270 | 0 | 0 | 70 | 7 | 90.0 | 95 | ; ; | 1 | 3 3 | ; |
| 11 11 11 12 12 13 14 15 15 15 15 15 15 15 | Ē | Pili ahomary | F19. II-3-1 | - | 160 | Ç | 0 | | 136 | ě | ; | | ; ; | 3 5 | 77 |
| | KATS | P111 anomary | Fig. II-3-1 | - | ğ | Ş | 2 | - | 1 | ē | : | | 3 5 | | |
| 15 P.11. Anomary Fig. 12.5-1. 2 370 62 6 6 1 150 62 62 62 62 62 62 62 6 | X716 | Pill anomary | F19. IX-3-1 | 9 | 330 | ٠ | ٥ | * | 9 | - | ; | 3 3 | 1 2 | 9 : | ? i |
| 20 PALL Anneary PALL 1 1 1 1 1 1 1 1 1 | K716 | Pill anomary. | PAG. II-3-1 | ~ | 370 | S | ζ, | • | 916 | | ; | | | 3 | € : |
| Company Living Fig. 11-5-1 19 19 10 10 10 10 10 1 | KY20 | Pili anomary | F19.11-3-1 | C | 190 | | ; | | Ş | | 3 5 | 3 : | ; : | 3 | 9 |
| Company Event Pigo 11-3-1 5 | KY22 | Cawayan river | P1q.II-3-1 | - | 90 | ٠, | ; ; | • | 740 | 3 3 | 3 | 3 | ~ | ŝ | • |
| Changian Trivat | KY23 | Cowayan zivez | P.10, 11-3-1 | ļ. | 9 | | | ļ. | | | | 3 | 2 | Ş | 3 |
| Chewyon Flower Page 175-51 11 190 2 | K724 | Chwayen river | F19.XI-3-1 | • | 20 | . 4 | : 0 | | 4 5 | | 9 | 3 : | : | 07 | 7 |
| Conveyin Elyaet Pig.115-3-1 11 700 7 62 7 60 60 61 61 61 61 61 61 | KYZ6B | Cawayan siver | 1.49.11-3-1 | 41 | 150 | | ; | , , | , | | 3 : | 9 : | 2 ; | 3 | Ξ. |
| Commyon river Fig.17:-1-1 | K¥27 | Caveyan river | F10.11-3-1 | - | 96. | | ; ; | | 1 1 | 5 5 | ; | ŝ | 2 | 9 | |
| Consequent Fiver Fig.17-3-1 6 150 C 7 3 253 C,01 C,01 | GM23 | Caunyan river | F10.17-3-1 | | ? ; | • 0 | ; ; | ٠ ; | 2 6 | 6.0 | 3 | 5 | Ç. | Ş | 8 |
| Canaryon Floar Fig.II-3-1 6 130 C C C I I I I I I I | 2422 | Cowayan Piver | P10, 11-3-1 | = | 9 | | 1 | | | 3 | | اة | - | ŧ | ۱ |
| Comeayon Flyes | 253 | Cawayan Fiver | P19.11-3-1 | . • | 9 | : 0 | ; (| • | | | 1 | 9 : | | 3 | ? |
| Trivit Priorition 1 | SH25 | Cowayan river | P19.11.3-1 | | \$ | . 0 | ; (| ; ^ | , | 3 3 | 3 ; | 9 ; | 5 | ŝ | N |
| Trivial Prigricial Prigri | 5427 | TATA | F10, II-3-7 | 1 - | 2 | , c | ; 5 | ` < | • • | 5 6 | 3 3 | 9 9 | Ş | Ç | • |
| T. V. Proj. 11-3-7 St. 2110 674 St. 6 G. 10. G. 10 | 5929 | Tivi | P19.IX-3-7 | 28 | 610 | : \$ | : 0 | | 2,66 | | 3 5 | 3 (| 3 | 9 : | 0 1 |
| 1 Prival Proj. III-3-7 5 1440 14 62 1 460 6,01 610 2 2 2 2 2 2 2 2 2 | SM30 | 71×1 | P19.31.3-7 | 74 | 2110 | 674 | ~ | - | 9 | Ş | | | | | |
| The control Tay Ta | | ***** | P19.11-3-7 | * | 1140 | 7 | C | - | 96 | 10. | 9 5 | | 3 : | 5 | |
| 4 Titul Pop.III-3-7 5 1320 2 1 78 0.04 430 5 Funtace-Magae-Cabatian Pop.III-3-10 13 190 6 1 7 6 1 7 6 1 7 6 1 2 6 1 | | TINI | F19.11-3-7 | • | 440 | 7 | ¢ | \$ | 1430 | 4.01 | 5 | 9 | : 5 | ; | 3 3 |
| Fig. 17-3-7 Col. Sign Col. | | 7141 | P19.11-3-7 | <u>بر</u> | 1320 | ^ | ¢ | -1 | 70 | 0.04 | 8 | 610 | : : | : 5 | , , |
| Function-Magna-Charleston Tig. 112-10 20 410 42 410 | | 7341 | F19. II-3-7 | \$ | 20 | ç | ç | ₽ | 23 | ÷. | ¢10 | 0 | • | ŝ | 1 0 |
| Prio Duran-Regulation Prio 113-10 13 180 42 62 64 60.13 410 | | Pantao-Negae-Cabartan | 710.11-3-9 | 2. | <10° | Ċ | 42 | Ü | 142 | <.01 | <1013 | <10 | 7 | 97> | ٩ |
| Tay Deran-Regularia Pay 113-3-10 10 200 02 02 0 0 0 0 0 0 | | Pro Duran-Rapatract | F19.II-3-10 | 13 | 340 | \$ | O | 9 | ş | 0.13 | ¢10 | 0 | 22 | Ç | 20 |
| Properties Pro | _ | File, Miran-Kapulaki | P19.11-3-10 | 9 | 200 | C | ≎ | • | 2 | 9,08 | C10 | \$ | 3 | ç | * |
| Houte Calvario Fig.112-112 5 500 C C C C C C C C C | | THE WELL- | F19.11-3-10 | 3 | 3 | 0 | Ç | ٠ | 95 | 0.11 | \$70 | ¢10 | ä | 910 | 9 |
| Monte Galvario Fig. 12-5-12 5 440 62 2 2 1446 (-61) (-61) | T | Typrodev-up and art | F39,11-3-10 | | 2 | ء | ျ | - | E | 6.07 | 000 | 410 | 89 | ¢10 | š |
| Monte Calvario | | Soots Columnia | F19.11.3.12 | n , | 9 : | : 3 : | ٠, | 2 | | (.01 | 610 | <10 | 34 | 013 | |
| Monta Calibratio Fig. 113-12 1 400 | | foote Calvario | 41.0.11.61. | n . | R (| <u>.</u> | ٥ ' | ₹ | Z. | 7.07 | ¢10 | ŝ | • | Ç | Ç |
| | | Sonta Calvario | Pio Transfer | - 1 | | ٠ ; | 2 | n . | 502 | \$ | ê | \$30 | 5 | 430 | 91 |
| Stategon | | tonte Colverto | | | 2 | y : | 3 | • ; | Ä | 0.04 | ÷ | Ş | 2 | 65 | 7 |
| Statement | Ī | TRIBON | P10.17.3412 | ļ | S | | , | - - | ٠, | 5 | ခု ခြ | 8 | | 8 | Ĭ |
| Statesgon Proj. 11.5-12 1 70 | | 11s1gon | P19.31-3-12 | , ~ | | , ^ | :) (| • • | : ; | 6. | 9 6 | 9 : | 20 | ė, | 5 |
| Multimental, Gabbac 719.11.3-12 | | Mergon | F19.11-3-12 | - | . 2 | ۵. | ; 0 | ; ; | 9 9 | 3 2 | 3 8 | 8 3 | • 6 | 9 ; | 9 1 |
| Distance Colored Col | | hulawan, Gabao | 719.11-3-12 | • | 940 | : 0 | | ; - | 2 | | 3 5 | 3 | ₹ • | 015 | N |
| Buldwein, Cabbao Fig.11-3-12 19 1580 10 62 61 12 6-01 610 | | | P19.11-3-12 | 10 | Š | ; 0 | • 0 | • | ; ; | 1 6 | 3 5 | 010 | ^ ; | 3 | Ç. |
| Bullaven, Gebes Fig.II.3-12 10 0 2 2 3 10 10 Bullaven, Gebes Fig.II.3-12 (1 560 6 2 1 6 6 1 (10 | | NAMMO, Gebao | P.19, 11-3-12 | AT | 1580 | 10 | 2 | , | 1 | | 3 | | <u>.</u> | 8 | Ž |
| Bultanam, Cobaco 719,11-3-12 CL 560 6 C2 1 25 C30 | | Wlawn, Gabed | F19.11-3-12 | 01 | 2 | 0 | . 0 | , ~ | | 10.0 | 9 | 3 8 | 1 • | | 3 . |
| South-Application Fig. 172-3.72 5 1000 2 C2 6 79 0.37 C30 | | Ulawan, Gabao | 719-11-3-12 | đ | 240 | 49 | Ţ | | | 10. | 9 | Ç | 2 | 3 5 | ٠, ۵ |
| Southeart Ireain Fig.II-3-12 9 1110 (2 (2 17 438 0.07 (10 10 10 10 10 10 10 1 | | OKAR, Cabao | P19. X2-3-32 | ĸ | 1000 | N | 7 | • | | 0.17 | ô | 500 | 2 | 3 | . 8 |
| | T | outhern Irosin | F19, II-3-12 | • | 1130 | 2 | ۲, | 2 | | 0.07 | 95 | 00 | 38. | ô | 7 |
| | | outhern Inogh we | P19.11-3-12 | * ** | 2120 | | G | 3. | , | €+03 | 410 | 410 | 61 | 012 | * |
| Mogoliane | | Authors Tooste | 719.11-3-12 | 3 ; | 1120 | P4 : | ٥. | 7 | | 19, | 410 | ¢10 | 9 | 000 | 33 |
| 10 0 10 10 10 10 10 10 10 10 10 10 10 10 | | 2003 3000 | 77-2-17-67 | ġ. | 0.21 | ~ ; | ~ | v. | | 6. | ş | \$00 | 2 | ŝ | 7 |
| Section 1 and a section of the secti | | 1041 | Table 1 | ٠, ١ | 2 | : : | 3 : | 2 : | ÷ | 0.23 | 410 | ç | 213 | 5 | 9 |
| | | | | | | | | | ı | | | | | | 1 |

Table 2-2 Result of geochemical grade assay

| | • | | | | | | | | | | | | | |
|--------|--|---------------|--------------|------|-----|------------|--------------|----------|-------------|------------|------------|----------|-------|----------|
| SAMPLE | 7 | MEPERENCE | £ | 2 | 2 | Ł | Ł | ž. | - | å | 2 | Ł | | 튑 |
| (915) | | P19.11-3-14 | • | 1290 | 9 | • | ₹ . | 17.1 | 8 3 | 000 | 3 | * | 900 | I ' |
| ž | San Roque-Ht. Malobego | F19.11-3-15 | ĭ | ş | * | 0 | ರ | Ξ. | 5 | å | 90 | • | 2 | ~ |
| 5417 | Sen Roque-Mt. Malobago | P.10. 11-3-15 | ฮ | 210 | ¢ | 7 | ₹ | 2 | 3 | 2 | 8 | 9 | Ş | ~ |
| TH42. | Topas | PA9.11-3-16 | 2 | 740 | ટ્ | ¢ | 4 | s. | 0.21 | ŝ | ŝ | 7.2 | 8 | ž |
| 4 | Tugar | F19. 11-3-16 | ₹ | 2 | 8 | | - | * | 3 | ş | 8 | = | 8 | ျ |
| e E | Tugas | F19. II-3-16 | • | 2 : | 9 9 | ۰ ز | ; ≎ | 9. | 6 6 | 9 5 | 3 : | • | 95 | • |
| | 1094 | 110.11.0-10 | ٠. | 2 2 | , · | 3 5 | ; , | • 5 | 3 3 | 3 | 3 8 | • | 3 5 | , |
| 14.5 | 1000 | 176.11-3-10 | 4 | 2 8 | ٠, |) (| • (| , | 3 3 | 3 6 | 3 8 | : • | 3 3 | 1 |
| 24.5 | Mathod Cultan | 719.11-3-16 | • | 3 8 | ; • | 3 '0 | ; ; | ; | 5 5 | 3 8 | 3 5 | • | 3 5 | • 5 |
| | Table Control of the | 1 1 2 1 | | 1 | , | 5 | 5 | 1 | į | Ş | ģį | 5 | 90 | ľ |
| | 10000000000000000000000000000000000000 | 71. TT. 7. 14 | • | 4 | • | 0 | 7 | 101 | 10. | 9 | 8 | 1 2 | 9 | |
| , , | 100 Per 100 Pe | 71.3.16 | 2 | 9 | ; 0 | 9 | : 0 | 2 | (a | 00 | 95 | 2 | 017 | ä |
| 200 | Market College | 717.11 | : - | , | , - | ; '0 | ; : | : ; | 3 | 9 | 9 5 | 2 8 | 3 | ž |
| | Man and College | 71-1-1 | | 3 | | | | 3 | 6 | 5 | ÷ | 2 | Ę | 5 |
| 1 | Mark County Can | Pio 11-2-16 | | 9 | 2 | 3 | | 1 | 10.7 | 9 | 017 | | 017 | Ŷ |
| | | 7 | • | 3 = | ! | ; ; | ; ; ; | 4 | 3 | ; ; | | ۰, ۳ | 1 5 | ; 9 |
| CHANG. | | TAU TT. D. T. | • '• | 1 5 | : : | ; : | ; ; | | | 3 5 | 2 5 | ٠, | 3 5 | : 0 |
| | | 71.0-13 | • - | 2 | : ; | : 0 | ; - | . : | 9 | 9 | | - 2 | 9 | |
| 1 | Part and Par | FIG. 11-1-17 | ٠ ټ | 360 | : | ; \$ | ٠ ٥ | 175 | 10 | 3 | 9 | 2 | ŝ | 0 |
| 1985 | Buted-Sus | F.10.11-3-17 | 2 | 140 | 3 | \$ | - | \$ | ő | ş | 013 | | 2 | ľ |
| Ē | Strues | P10.11-3-19 | - | ž | ¢ | œ | • | ~ | 0. | 610 | 010 | 3 | 00 | • |
| 21.12 | STrue | 719.11-3-19 | 3 | 320 | ≎ | \$ | | 2 | 0.27 | 010 | ¢10 | 30 | 410 | ā |
| ¥. | Strume | F19. II-3-19 | ~ | \$ | \$ | \$ | - | - | .0. | 000 | \$ 01\$ | 2 | 95 | ¢ |
| 33 | Structo | F19.11-3-19 | 4 | .02 | - | 2 | Ç | | 10.5 | 410 | 410 | \$ | (10 | 10 |
| 33 | Struct | "19,II-3-19. | 11 | 00 | 2 | 2 | 3 | 7 | (0.) | ~ 01> | (10 | • | 0.0 | 42 |
| 6CH. | STUMP | P1q.11-3-19 | • | ŝ | • | \$ | 2 | , | 6.03 | 610 | or V | 105 | ç | 4.7 |
| Prej | Southern Strume Bay | F19.11-3-19 | S | ¢10 | 0 | ¢ | N | 23 | ۲۵. ۲۵. | 2 | ç | 6 | 629 | 2 |
| 1 | Popoot | F19.11-3-21 | • | ž. | Ç. | G. | m. | +1 | 20. | 3 | S | S | 65 | 2 : |
| | Temben-Dies | F19. 11-3-21 | | | ; | , | 1 | , | , , | | | | | ľ |
| | Temban-Oles | F19, 11-3-21 | 1 | 9 | 3 5 | : 3 | • | 4 5 | 3 3 | 3 | 3 5 | - | 3 5 | • |
| KY6.7C | Was taken Cod | 19.11-3-24 | 1 8 | 3 5 | ; · | 3 0 | • = | 2 2 | 3 3 | ? ? | 3 5 | P 2 | 3 8 | <u>'</u> |
| | Manager Panager | F10. 7723 | : = | 2 | • 0 | ; 0 | : - | 125 | 10.7 | ð | 9 | : : | . 013 | 7 |
| KY5.7B | Eastern Passon | F19, IT-3-24 | 2 | 1560 | | ę | • | S | ć. 01 | Ĉ | 9 | ę | 410 | • |
| KYS7C | Esstern Fassoso | P19,13-3-24 | ٥ | 340 | ~ | 3 | 21 | 217 | 10 Y | 410 | (10 | 92 | 410 | 3 |
| KY5.7D | Rastern Pessono | PA9.11-3-24 | 3 | 92 | Ç | Ş | es. | ŝ | ۲۵۰۷ | \$ | <10 | g | 95 | ŧ |
| KYSSA | Zastern Passono | F19.II-3-24 | 216 | ð | 38 | ₹ . | m. | ۴. | 70 | ŝ | 410 | 2 | 430 | 20 |
| KYSOD | Eastern Passono | *L9.11-3-24 | 638 | Ĵ | 3 | \$ | e n ∣ | 291 | 6 • | 8 | 630 | 1 | 0.0 | 9 |
| KY60B | Restern Possono | F19.11-3-24 | 849 | 8 | : | 2 | | 7 | 10. | 8 | 9 | 2 | 2 | |
| KY61 | Engtorn, Panadao | F19.11=3-24 | | | | 3 5 | | | 5 3 | 3 5 | 9 9 | S | 97 | |
| 0.1 | Lake Bunz | F. 19.11.9-20 | j • | 7. | | ; ; | ; ; | • ; | ÷ ; | 3 5 | | * 5 | 3 5 | |
| | Lake Duni | 173.11.3.22 | • - | 3 5 | ; ; | 9 0 | : ; | 1 2 | 5 5 | 3 5 | 2 5 | i : | 3 5 | 3 ^ |
| 0000 | | Went Table 27 | • • | 200 | ; 0 | ; | , c | | \$2.0 | 017 | 90 | ; ; | 2 | , 1 |
| CAND | Coornean - Salatan | P10, II=3-27 | | 280 | 2 | ٥ | ŀ | | 80.0 | 3 | ŝ | ļ | 8 | 18 |
| 1876 | Balatan | P19.11-3-27 | • | 410 | 5 | \$ | Į, | ž | 4.01 | Ç | 410 | \$ | (10 | Ç |
| 2000 | Beleton | P19.11-3-27 | 4 | 300 | • | \$ | | * | ۲٥٠٧ | \$10 | 670 | 91 | ŝ | ٠ |
| O O O | Balatan | P10.11-3-27 | 11 | 01 | Ç | - | ¢ | 6 | 10,5 | 010 | 4,10 | . ₽ | \$10 | 14 |
| | Balatan | P19,33=3-27 | ~ | ê | ¢ | ¢ | ₹ | - | €.01 | ¢10 | 60 | -4 | 90 | \$ |
| 9 | Southern Seletan | P19.11-3-27 | 7. | 1110 | | Ş | | • | 17.0 | \$ | , 10 | 1 | 95 | 2 |
| TK57 | Stbobo . | P19.11-3-30 | ₽ | ş | Ç | ¢ | ₽ | 3 | 6.92 | 000 | 620 | N. | 170 | Ç |
| 345A | Sibobo | F19.11-3-30 | - • | ŝ | Ü | Ţ | 0 | 4 | Ç. 03 | ç | ŝ | Ξ. | 3 | ~ |
| 7H60 | 5, botoe | F19.11-3-30 | e | 9 | Ç. | Q. | ₹ | 2 | ۲,01 | 3 | Ç10 | φ. | \$ | Ö |
| žė. | Siboto | F19.11-3-30 | Ç | 25 | 5 | Ş | Ş | 2 | 10. | Ş | Ş | Ξ | 3 | ٥ |
| 391 | S. Popogis | P19.11-3-30 | • | 8 | 5 | Ç | 4 | | 0.01 | 410 410 | <10 | * | . 630 | • |
| 3466 | Stoopo | F19.11-3-30 | \$ | \$ | Ġ. | Ç | Ç | 8 | ¢, 01 | 07 | ¢10 | ~ | 000 | Ģ |
| THOO | Aguses Mine | F19.11-3-33 | 11 | IVE | œ ; | G : | 9 (| : | 6.0 | ê : | ĝ | 302 | 65 | 2 |
| #100 | Tidi Mine site | F19.11-3-33 | 9 | 160 | 52 | ٠ | • | 3 | 5 | | 3 | 7 | 910 | |
| | | | | | | • | • | 4 | | : | : : | : | | • |

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Table 2-2 Result of geochemical grade assay

| | _ | _ | ī | p. | £ | ĝ | S | 5 | ţ | ť | э | > | > | Š |
|--------|------------------|---------------|----------|-------|----------|----------|----|----------|-----------|------|----------------|----|------------|-----|
| SAMPLE | PROSPECT | REPERENCE | e de | me(c) | e de | e d | M. | E | ** | č | 4 5. | E. | ŧ | 6 |
| TH1 12 | Exiban Mine site | F1g.11-3-33 | ٦ | \$10 | 91 | 73 | , | × | 0.05 | 3 | 3 | 12 | 3 | ľ |
| CLIFE | Extben Mine site | F19.11-3-33 | ~ | 970 | ~ | 0 | • | 13 | 6.05 | ŝ | 610 | ę | 410 | č |
| 1441 | Mt. Bagacay | P19.11-3-33 | | 760 | • | ð | ರ | 1 | ۲۰.۵ د | 97 | c To | * | ŝ | ~ |
| Ĭ. | Nt. Bagaday | F14. X3-33 | • | 930 | C | Ü | 7 | 7 | د.01 | 97 | ę. | ç | 00 | \$3 |
| TH95 | Ht. Begenny | P19.II-3-33 | 6 | 810 | 2 | \$ | • | 11 | ¢.03 | \$30 | 6 C | Ç | 615 | 8 |
| KY6.88 | Bulale | 91g.11-3-36 | • | ot | 2 | 3 | ¢ | 7 | (0.0 | 410 | ۷۲۰ | - | 3 | • |
| KY72 | Bulate | FAQ.11-3-36 · | - | 170 | • | ~ | ^ | 2 | , 0. | ĉ | 010 | 36 | \$10 | Ç |
| KY24 | Bulala | P19.11-3-36 | • | 9 | + | Ç | 5 | ~ | (.01 | £10 | <10. | 8 | 010 | ٠ |
| 5 | Ht. Culest | F19.11-3-37 | | 50 | • | ¢ | ţ | ø | 10.> | \$20 | 0 0 0 | | 97 | ٥ |
| 5494 | Mt. Culnet | F19. II-3-37 | | 30 | 144 | • | \$ | • | . 6.3 | ÷ | 610 | • | \$ | • |
| SM100 | Mt. Labo | F19.11-3-39 | - | 9 | 12 | ?> | 7 | 34 | 4.01 | 010 | ¢10 | ş | 017 | \$ |
| 10145 | Mr. Labo | P19.II-3-39 | ^ | 9 | r. | \$ | - | 72 | 10.> | (30 | ç; | 77 | C10 | 9 |
| SE 102 | Mt. Letto | P1g.11-3-39 | ~ | 360 | ÷ | ¢ | 7 | 186 | C.01 | 3 | 610 | Ħ | 80 | 7 |
| SMIOS | Mt. Labo | P19.11-3-39 | ~ | 110 | 77 | Ç | • | 3.86 | 10.0 | 610 | 073 | # | 91 | ٨ |

Table 2-3 Result of ore grade assay

| | _ | | qdd ny | 2 | \$ | 4 | 1 | 2 | 2 | 5 TR | 8 | 8 | ర | ઢ | | £ | × | ₽ | £ | £ | ş |
|-------------|-----------------------|-----------------|-----------|-----------|--------|----------------|---------|---------|---------|---------|----|-----|-------------|-----|--------------------------|---|---|------|---|----|----------|
| 1 | T | KRICKCKC | * | \$ | Ī | | ı | ı | ı | 1 | ı | 1 | | - 1 | $\left\ \cdot \right\ $ | ı | 1 | ı | ı | ı | ~ |
| ¥. | Pill enomery | P19, II-3-1 | \$ | ; | | 77 | | | | | | | 9 | | 0.29 | | | | | | 80 |
| CI & | Pill andomny | 719.1X-3.1 | \$ | ; | | 97.0 | | | | | | | 8 | | 3,63 | | | | | | 7 |
| K 34 | Pili anomary | F19.11-3-1 | Ş | ; | | 0.75 | | | | | | | 2 | | 2.53 | | | | | | 90 |
| KYZY | Pill anomary | P19.11-3-1 | 0 | : | | 0.61 | | | | | | | \$ | | 1,67 | | | | | | 60 |
| KYZEA | Cawayan fiver | F19.11-3-1 | 25 | ; | | 1,29 | - 1 | | | | | | 20 | | 27.72 | | - | | | | 2 |
| 돮 | Pantao-Magaa-Cabarian | P14.11-3-9 | 20 | : | | 1.09 | | | | | | l | 120 | Į | 3.31 | | | l | l | 1 | ls |
| KY05 | Fie Duran-Kapulaki | P19.11-3-10 | \$ | : | | 4.0 | | | | | | | 2 | | 0.46 | | | | | | - |
| KY28B | Plo Duran-Kapulaki | F19. II-3-10 | 9 | : | | 2.08 | | | | | | | Ş | | 4.25 | | | | | | 80 |
| KY30A | Plo Duran-Kapulaki | 719.IX-3-10 | 2 | : | | 4.79 | | | | | | | 3 | | 2.64 | | | | | | * |
| KY34 | Bulawan, Cabao | F19.IX-3-12 | ¢ | : | | 0.68 | 1 | ı | | | | | 9 | | 2.56 | | ı | | | | 1.0 |
| XY66A | Western Coa | F19.IX-3-22 | e | : | | 0.02 | | | | | | | 380 | | 0.63 | | | | | | ŝ |
| XY66B | Western Con | F19. II-3-22 | 3 | : | | 90.0 | | | | | | | 8 | | 0.67 | | | | | | 60 |
| KY67A | Western Gos | F19.11-3-22 | \$ | ; | | 0.59 | | | | | | | 8 | | 1.45 | | | | | | 60 |
| KYSBA | Zastarn Pasocao | F19.XI-3-24 | ĸ | : | | 0.17 | 7 | | | | | | 360 | | 0.62 | | | | | | \$0 |
| KY5.88 | Seatern Pessono | F19. TT-3-24 | 10 | : | | 0.38 | - 1 | | | | | | 710 | | 1.42 | | | | | | so. |
| x756C | Bastath Pasacao | F19.11-3-24 | ٩ | : | | 0.27 | | | | ` | l | l | 939 | | 3.95 | | | | l | 1 | ls |
| KY59C | Eastern Passono | F19.11-3-24 | 2 | : | | 0.15 | | | | | | | 430 | | 1.31 | | | | | | 50 |
| KY60A | Eastern Passons | F19.11-3-24 | • | ; | | 0.12 | | | | | | | 270 | | 2,33 | | | | | | 27 |
| Ser.76 | Caprasan, Balatan | P1q.II-3-27 | 210 | ; | | ••• | | | | | | | 130 | | 0.97 | | | | | | 2 |
| KY77A | Perecale | F19. 17-3-32 | Butesim | : | į | T GREEN | • | Ĭ | i | • | i | i | 1 | • | in the same | ٠ | • | 2 | į | • | - |
| 27,77 | Paradale | P19.11-3-32 | ž | ١ | ş | 90.0 | 27 | 80 | | 90.0 | | | 29* | ł | 6.35 | • |] | 0.01 | | Į. | is |
| KY78A | Personia | P10.11-3-32 | >10000 | 57.73 | 97 | 0.21 | Ç | | | | | | 460 | | 7.84 | | _ | | | | 8 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | 덫 | 6. | æ | 6 | 3 | | | | | | ç | | | | | | | | |
| SAMPLE | PROSPECT | HEPERICE | E. | | de | å | å | 1 | 1 | - | ١ | ١ | ž. | | | | | | | | |
| XX17Y | Pill anomary | F19.52-3-1 | * | 100 | 9 | 2 | \$ | | | | | | ę | | | | | | | | |
| KY13 | Fill anomary | P19.II.3-1 | \$ | 001 | 20 | 01) | 0 | | | | | | 2 | | | | | | | | |
| KYI | Pill anomary | F19.11.3-1 | \$ | 100 | ş | 410 | ę | | | | | | Ç | | | | | | | | |
| KY21 | PALL anomany | P49, 11-3-1 | \$ | 300 | • | ŝ | ¢ | | | | | | e | | | | | | | | |
| KYZ6A | Cavayan river | P19.T1-3-1 | s | 1200 | S | 610 | S | | ı | | | ļ | [۳ | | | | | | | | |
| ŝ | Pantao-Nagas-Cabartan | P19, II - 3 - 9 | ٥t | 100 | 115 | 410 | 3 | | | | | | 3810 | | | | | | | | |
| X¥05 | FLe Duran-Kapulaki | FA9.11-3-10 | ŝ | 8 | \$6 | 0t > | e | | | | | | ç | | | | | | | | |
| KY28B | Fio Duran-Kapulaki | P19.11-3-10 | × | 800 | 90 | 430 | r | | | | | | 8 | | | | | | | | |
| XY30A | Pio Duran-Kapulaki | P19.II-3-10 | • | 360 | 2 | 410 | Ç | | | | | | \$ | | | | | | | | |
| Ž. | Hulawen, Gehao | P19, II-3-12 | \$ | gg | ۔ | ¢10 | ٤ | . | ١ | ١ | ١ | ĺ | ^ | | | | | | | | |
| KY66A | Western God | P19.II-3-22 | 8 | 4100 | \$ | . 015 | ş | | | | | | \$ | | | | | | | | |
| KY66B | Western Gos | F19.11-3-22 | 91 | 100 | • | (10 | Ş | | | | | | 57 | | | | | | | | |
| KY67A | Western God | P19.11-3-22 | 50 | 4190 | ÷ | 410 | \$ | | | | | | ñ | | | | | | | | |
| KYSOA | Eastern Pasacao | PA9.11-3-24 | 780 | ¢700 | 2 | 620 | Ş | | | | | | 2 | | | | | | | | |
| KYSBB | Eastern Pasacao | P19.17-3-24 | 1166 | 4100 | 2 | <10 | \$ | | | | | | × | | | | | | | | |
| KY58C | Eastern Passons | F19.11-3-24 | 1055 | <100 | 5 | 410 | 41 | | | | | | 50 | | | | | | | | |
| KY59C | Eastern Pathone. | P19.11-3-24 | 260 | 4700 | ٠, | 70 | \$ | ٠. | | | | | 0 | | | | | | | | |
| KY6DA | Kastam Pakadag | P19.11-3-24 | - 445 | 4100- | ** | <10 | \$ | | | , i | | | 4 | | | | | | | | |
| SH78 | Coorssan, Delatan | F19.11-3-27 | 0 | 007> | \$7 | 410 | \$ | 52 6 | | | \$ | 620 | 8 | | | | | | | | |
| KY77A | Persoals | F19 II-3-32 | at set in | minestra | Winald | a this | ite and | ٦ | 1 | 1 | ١ | 4 | 40110 | | | | | | | | |
| KY77C | Paracala | P19-11-3-32 | 720 | 4100 | 35 | 97 | \$ | | | | | | 1 71 | | | | | | | | |
| XY78A | Personla | F19.11-3-32 | 2 | <100 | 1780 | 430 | \$ | | c.01 c2 | ¢20 ¢20 | | | an. | | | | | | | | |
| | | | | | : | | • | : | | | | : | | | | | | | | | |

Table 2-4 Result of whole rock analysis (major and trace elements)

| | _ | _ | - A1203 | Cao | CC203 | B F4203 | 20 | 1 | QUA | | 9004 | | Ç | Š | | | • | Í | | | , | | | | |
|--------------|---|---|----------|----------|----------|---------|---------------|----------|------|------|------------|----------|-------|------|---------|-------|-------|------------|-----------|-------------|---------|------------|--------------|--------|-------------|
| SAMPLE | r PROSPECT | REFERENCE | | | | | * | • | • | | | . " | | • | • | • | | | | | | | ě į | ង់ | 3 (|
| 300 | Calpi | F19.11-3-1 | 17.30 | | | 6.74 | 1.54 | 9),4 | 0.12 | 3.42 | 0.17 | 56,93 | 0.74 | 2.78 | \$0.44 | 3.18 | 1.01 | 1.08 702.0 | 2.0 51.5 | 5.0 | .9 20.0 | | ٥ | 7.7 | : |
| SM26 | 1777 | F10.17+3+7 | 13.63 | | 5 3 | | 2.07 | 3.38 | 6.13 | | | 55.72 | | | 96.85 | | | | | | | 3 | 7. | 2.3 | 1.5 |
| 20H3 | Pantab-Magas-Cabartan | FA9.31-3-9 | 16.02 | | : ' | | 0.70 | 6.83 | 2.0 | | | 45 . C.A | | | E 6. 90 | | | | | | | 2 | 5.3 | 5.2 | 5.0 |
| COMS | Pantao-Nagau-Cabartan | F19. II-3-9 | . 15.65 | | ٠. ا | £0.9 | 0.30 | 99.9 | | - 1 | - 1 | 49.69 | | | 99.43 | : | | | | | - 1 | Q £ | 4 | 5.0 | ? ? |
| OHS: | Pantao-Nagas-Cabortan | F18, II0.19 | 16.85 | 4,36 | | 79'0 '1 | 0.17 | 1.72 | 0.14 | | 1 | 53.62 | ı | 1 | 98.97 | ı | | | 1 | ı | | | : | | 1 |
| KY29 | Pio Duran-Kapulaki | F19.11-3-10 | 17.86 | 3.4 | | - | 1.68 | 3.22 | 0,16 | | | 58.36 | | | 68,23 | | | | | | | ÷ | 2.7 | 6.1 | 0 |
| | 1000 mm | F19. II-3-12 | 19.33 | 7.03 | | | 1,52 | 3.28 | 0 | | | . 62.73 | | | . 56.86 | | | | | - | | | 4.1 | 2.4 | |
| 140 | Moos Lane | P10. 11.4.14 | 17.12 | 2.4 | 3 3 | 6.23 | 1.60 | 2.16 | | | | \$7.39 | | | 98.49 | . " | | | | ٠. | | | 3.2 | 7.7 | ф. Н |
| 1384.1 | Nr. Biorecan | 71.0.11 | | ı | 1 | ı | | | | - 1 | 1 | 26.54 | - 1 | ı | | . I | - 1 | | - 1 | - 1 | ı | | 9 | 2.5 | ., |
| 346 | SAn Roque-Mt. Nalobaso | F10. IT-3-15 | 1 | | 5 5 | | 7 6 | 2.17 | | | | 56.72 | | | 99.11 | | | | | | | | 3.9 | 2.3 | 3.6 |
| SM49 | Sen Rodue-Mt. Maloban | P10.11-3-15 | 13.73 | | | | | | | | | 71.02 | | | 6 | | | | | | | | 2.0 | 7.5 | 6.0 |
| CHE | Tugas | P10.17-3-16 | 18.69 | 6.65 | | | 2.17 | 7 7 | | | | 9.40 | | | 76.00 | | | | | | | ÷: | 3.1 | 7.7 | 4 .0 |
| 114.54 | Ginablam | P19, T1-3-16 | 18.00 | 6.34 | | | 3 | 7 60 | | | | 70.07 | | | 76.46 | | | | | | | | ¥, | 4. | |
| SMS | Butag-Sua | F19.11-3-17 | 19.90 | 6.67 | ľ | ١. | 1,63 | 6 | 0.12 | | 1 | 56.57 | 1 | ı | | ı | 1 | | 1 | ł | E | ı | | | • |
| 7,186 | Temben-Olds | F19.3I-3-21 | 14.37 | 11.34 | 10.5 | | 0.07 | 2.79 | 0.17 | | | 27.05 | | | | • | | | | | | | • | 0,4 | 1 |
| 57.53 | Wetarn Pasacac | PA9. XZ-3-23 | 17.94 | 1.76 | 10.5 | | 3,16 | 1.3 | 0.12 | | | \$2.82 | | | | | | | | | | | | 9 · | |
| SH68 | Lake Buhi | P19.11-3-26 | 16.49 | 6.12 | £.01 | | 1.04 | 3,26 | 0.14 | | | 56.90 | | | | | | | | | | R : | | 2.7 | 7. |
| 62013 | Caoragan, Balatan | F19. II - 3-27 | 19.12 | 5.66 | C03 | | 1.22 | 2.91 | 0.13 | | | 52,77 | | | S 5 | | | | | | | | , , | m, c | 9 6 |
| COMIL | Sibobo | F19.11-3-30 | 18.69 | \$ 76 | (,01 | 5 77 | 1,55 | 1.57 | 60.0 | | 1. | 57.66 | 1: | Г | | П | 1 | | 11 | | | ı | | | : |
| 494 | 5,15010 | F19.11-3-30 | 17.73 | 9,33 | . <.01 | 5.90 | 1.62 | 2 43 | 9.11 | | | 50.04 | | | 96.56 | | | | | | 201 | 3 2 | • • | | |
| 71.90 | Ht. Bagacay | F19.11-3-33 | 19.22 | 7.76 | <.01 | 9.20 | 1.38 | 5.8 | 0.15 | | | 49.86 | | - | 27.9 | | | | | , | 20.5 | ^ | | | · · |
| SH92 | Mt. Culant | P19.11-3-37 | 17.03 | 2.73 | 10.5 | 2.51 | 3,04 | 0,49 | 0.10 | | | 10'.69 | | • | 9.96 | .93 | | | 0.38.0 | | | 1 | | | |
| SH97 | Hr. Culeas | P19, T1-3-37 | 18.73 | 5.25 | 6.0 | 6.36 | 1.85 | 2 62 | 0.09 | | - | 56,22 | 0.50 | 1,44 | 90.6 | 1.46 | 2 | 54 556 | | :: | 16.0 | | | , , | ; ; |
| 8648 | Ht. Labo | P19.11-3-39 | 16.25 | 6,34 | ۲۰۰۲ | 7. 32 | 1.89 | 2,97 | 0.14 | | | \$5,53 | 69.0 | ľ | 61.8 | 2,76 | 32 0. | iệ , | 1 | 6 | 27.0 | 8 | | 9.7 | 1: |
| | | | | | | | | | | : | | | | | | | | • | | | | | | | : |
| | | - | 3 | į | 7 | á | | | | | | | i | | | | | | | | | | | | |
| SAMPLE | PROSPACT | REFERENCE | 3 5 | 3 8 | 1 8 | | | | | 2 (| 2 1 | | 2 | š | € | ų. | | | Į. | Ĕ | | Š | 3 | · 5 | > |
| THOS | Calos | Vio 17.3.1 | • | ١ | - | L | l | 1 | ı | | | | | | | | ١ | 1 | | | ٦ | £ . | 8 | Ē | ا، |
| 17424 | Calpt | F19.11-3-1 | 2 % | 3 3 | | | 3.5 | 2 (| 77 | 27.0 | . 4 | | 2 2 | 3 : | d - | 0.0 | s: . | a 1 | ; | n . | e . | | 7 1. | Š | _ |
| 8245 | Timi | P19,11-3-7 | 6.7 | 7.7 | - | | | | | | , 49 | | | | • • | 2 40 | 1 | | 3 . | n 4 | | m 4 | | ž. | |
| SM02 | Pentao-Mages-Cabarten | F19.11.3.9 | •• | = | 3 | | 3,5 | \$ | | _ | 9 | 2,2 | _ | | : : | 0.68 | | | ; ; | ٠,٠ | | | • • | | |
| SMD3 | Pentao-Nagas-Cabarisa | F19.37.3-9 | 2.4 | 13 | o. | | 2.5 | • | | | 35 | 1.2 | | 2.0 | | 83.3 | | | 9 5 | | ; ; | • • | 7 . | a i | |
| SMO | Panteo-Wegas-Cabartan | *19.IX-3-9 | 1.8 | 61 | r. | | 7.5 | 5 | | | \$ | 5 3,2 | 1 | ŝ | - | 0.50 | l | ı | 1 | | | | | 1 | |
| K#29 | - | FAG.11-3-10 | 3.7 | * | * | | ٠. | • | | | 5 | 1 2.0 | | 2.3 | - | 94.6 | | | 6.5 | 2 | 6.0 | • | | | |
| 5 | Stateon | 719,12-3-12 | : : | 91 | Ĉ | | 20.5 | | | | (3) | 9.1 | | 3.2 | 2 | 0.00 | | | : 53 | • | | • | | | _ |
| Į. | Manallana | 719, 11-3-12 | * '* | <u> </u> | · • | o 0 | 9.5 | | 2 2 | | | 2.6 | ž. : | 2.7 | ₹ : | 12.0 | | | ç.5 | n n | E., | ~ • | 0 1. | 155 | |
| 1384.3 | Ht. Bintacen | 719.11-3-14 | 4.7 | 11 | 'n | 1 | 25.5 | , | ı | l | 3 | 3 | i | | | 9 | 1 | 1 | | ol o | | .], | ~ | | |
| 3 M 6 | San Roque-Mt. Holobayo | F19. X1-3-15 | 2.5 | 12 | c | ••• | 19.0 | 30 | | | | 9.6 | 61.8 | 9.7 | 7 | 42.0 | | | | y ~ | • | ٦. | | | |
| SHS | San Roque-Mt. Malobago | Plg. II-3-15 | 3.1 | 91 | ~ | | 14.0 | | | | ÷. | 3.5 | 34.0 | 2.6 | \$ | 73.0 | | | | | | | 1.6 | • | |
| 2 : | Tugas | P19, II-3-16 | 9.9 | 13 | • | | 29.0 | • | | ٧ و | 55 50 | 0.9 | 48.2 | 5.2 | .4 | 38.0 | | | 5.0 | N. | • | | 2.5 | ' '' | _ |
| × = 2 | Ginablan | F19. TI-3-16 | ? | 16 | - | . | 20.5 | <u>.</u> | ł | ١ | | - | × | 4. | 2 | 40.0 | ı | | 6,5 | 9 | • | , | 1.1 | _ | |
| ANN A | Butag-bus Tenton Otto | F19.11-3-17 | e | 2 : | ₹ . | | 27.0 | 9 | 0.6 | | 4 : | 7,4 | 24.6 | 5.0 | Ţ | 91.0 | 1.0 | 6.0 | 0.5 | 0 2 | \$: | | ,, | | Ĺ |
| 200 | - Santana - Chair | 17-5-17-514 | 0 | 2 : | | | 0,5 | ٠ : | | | ₹ | 9:1 | 5 | 7.1 | ₹ | 14.0 | | | 5.5 | 0 | .2 | | 2 | 165 | |
| | OCCUPATION OF THE PARTY OF THE | 1 19 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9 6 | 2 5 | • | 9 6 | 35.0 | 01 | | | er i | o. | 9,19 | 6,3 | ~ | 21.0 | | | 0,5 | • | Ç. | ~ + | 2.6 | ~ | |
| SM79 | Cancalan | F10. YY-3-27 | 3 - | i = | • - | | , 's <u>-</u> | | | | 2 4 | | 2.6 | 9 : | | 74.0 | 1.5 | | 53 | o • | ۲. | • | | 180 | _ |
| 7463 | Sibobo | Pto. 11.3.30 | 7, | 5 | | ļ | | | | l | | | | | "[| | | ١ | اد | ا دا | | | `` | | |
| 346 | 21000 | F19, 11-3-30 | | 1 1 | n • | | . 0.4 | | | 1: | | • | 7.7.7 | | | 0 90 | 0.1 | | \$ | ۰ م | • | п | | 145 | |
| 3480 | Mt. Bagacay | P19.11-3-35 | 8.0 | 1 4 | | | 0.61 | | | 25.5 | e vo | : 3 | 1.6 | | 7 % | | n 4 | 9 1 | | ਤੇ ¢ ਜ ਨ | 7 (| n | . i | 120 | |
| | | F19.11-3-37 | 1.9 | 15 | c | | 17.5 | 01 | . Ā | , 1 | وين دي | 6.6 | 7 | 2.0 | • | 905.0 | 3.0 | . 6.0 | ¢. \$ | 3 6 | | | 2.0 | 3 X | _ |
| 24.5 | Ht. Oulest | P19, 11-3-37 | 4.1 | 1, | | 0.7 | 0.4 | * | 17 | Š | | 3.9 | 31.0 | 3.6 | 4 | 33.0 | 1.0 | 9.0 | \$ | | | | 6.4 | • | |
| _ | At. Lake | P19.11-3-39 | 5.5 | 91 | ~ | 0.7 | 10.5 | 0 | .3 | .0. | 0 | 2.9 | 26.2 | 2.7 | ₹ | 0.14 | 1.0 | 9.6 | \$ | o a | | | ٥ | 82 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

| ригасиоп |
|---|
| s by x-ray o |
| assemblage |
| of mineral |
| Result of determination of mineral assemblages by X-ray diffraction |
| |
| Table 2-5 |
| |

| | | | | | | | | | | Section 2 | Cornonara | - | OThers | | Comments | -edead |
|----------|------------|------------------------|---------------------|--|--------------------|-------------------------------|-------------------------------------|---|---|---------------------------|--|--------------------------------|--|----------------------------------|-------------------|----------------------|
| ģ | Sample | Prospect | Reference | - I | Taldamer | Clay attenta | 7.01 | Zeolite | Others | 1 | | ¦ . | | | | ration |
| | ş | | of lecality | 3 | | ъ. | | Ĺ | | - | - | | | | | ţ0 |
| | | | | stindoisi e | feldsper infeke | nietie solinite sectite | elloyelte sez / 1se sez / fae | Linopillolite eumeniite eumeniite | estantie estantie breidano entroay | lozite Junite Arite | arealte alcite olomite | Tabite Sgreafe Screetice | ###################################### | estences estences estrefed | ace (c | joj Ethjeve djiko |
| | | | | 12 | ί¥ | rs rai | S E | \$ '1 *K | g B | o ¥ € | g 2 | 4 | * | s | | |
| 7 | TH OB | Calpi | F19. XI-3-1 | -4. | 1 | < | 1 | + | 1 |) (| - - - | | | - | | |
| N | 5 E | Calpt | 719.II-3-1 | 40 | 1 | > | - | | <u>i</u> <u>i</u> |). d | 1 | | - | | | |
| <u> </u> | 2 : F i | Calpi | 1 1 1 1 1 1 1 1 1 1 |) | 1 | 1 | | 1 | | - | | - - | | | | |
| T 4 | TH THE | Carpa | P10.11-3-1 | j C | | - | | | | | | | Ō | | | |
| ۲ | 1 F. | Calpi | F19.11-3-1 | | 4- | | | | | | - | -1 | ٥. | - | | - |
| | | Calus | F19.11-3-1 | £- | .۵ | 0 | | | | 4 | - 1 | 0 | - | 1 | | - : - |
| - 40 | 1 1 | Caloi | F19.11-3-1 | | | ◁ | | | | Ō | 1 | • | | | | |
| | TH 21 | | 71g. II-3-1 | 0 | | - | | | - 1 | ō | - | | Ď. | | MI DOMESTIC | 1 |
| 107 | TH 22 | Calpi | F19.II-3-1 | O | | | | - | | 0 | | 5 | . : | | 44.1844.14 | 1 |
| F | 22.23 | Masulog | P19.II-3-1 | | | 0 | | 1 | + |)) | 1 | 1 |) | | o Double | ; |
| 12 | T. 7. | Masulog | 719.II-3-1 | ব | | | 4 | | +++++++++++++++++++++++++++++++++++++++ | | 1 | + | | I | 201 | - |
| 2 | XX 11b | Pili anomary | _ | |) | - | - | i | - | 3 (| - | ļ | | - | Part Porchastica | |
| 1 | CT XX | Pill anomary | P19. II-3-1 | \ <u>\d</u> | 1 | 1 | i | 1 | 1 | Q.(| <u> </u> | <u>}</u> | | | PACES - 4 100 140 | |
| 1.5 | KY 15 | Pili anomary | F19.II-3-1 | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | - | | | |) | - | - | | | | |
| 91 | KX 16 | | | <u>ا</u> د د | | | - - - - - - - | + | 1-1- | (| | 1 | | 1 | minamia to | |
| 7 | KX 20 | | F19, 11-3-1 | | - | - | | | + | 1. | 1 | é | | - | | |
| 7.8 | KY 24 | Cawayan river | F19. II-3-1 | 0 0 0. | 1 |)) (| | | 1 | | 1 | i c | | | - | - |
| ÷ | KY 26b | Cawayan rivar | | ٥ ۷ | | | 1 | 1 | | | 1 |) - | 3 | | | |
| 20 | KY 27 | Cawayan river | Fig. II-3-1 | () () () | | <u> Ş</u> | | - - - - - - - - | | - | | | | | | |
| 7.7 | SM 21 | _ | F19, II-3-1 | | | | | 1 | | | 1 | - | | | | - |
| 22 | SW 228 | | F19.II-3-1 | 0.4 | | | 1 | - | 1 |)), | 1 | - | | | * | 1 |
| 23 | SM 22b | ; | F19.11-3-1 | | | 0 | 1 | | - | | 1 |) | | | | |
| 2 | SM 23 | Cawayan xiver | | | | | | | - | 9 | · · | 3 (| 1 | - | - | - |
| i, K | 25 | Cavayan river | | 0 V | | O | | | | | - |) | - | - | | |
| ۱ | 00 MS | 176 | F19.11-3-7 | ∇ ∇ | _ | 0 | | | - 1 | - 1 | ð, | 1 | | | | |
| 1.5 | 5 | 3.6. | P10.11-3-7 | | o | | | | - | | 1 | 4 | | Ŏ. | 0 | - |
| , , | 1 1 | 3404 | F10.11-3- | O | O | | | | | 0 | | 0 | | | anhy drate | |
| , , | 7 | Part Control | 749.II-3-7 | 0 | 9 | 0 | • | 1 | 1 | 1 | | | | 1 | | |
| ۶ | × × | 1916 | P19, II-3-7 | 0 | | | V | _ | Ō | - | 0 | 9 | - | - - - - | | 1 |
| 1 | SN 35 | 7103 | F19. II-3-7 | 0 0 0 | | | | - ! | 1 | 0 | 1 | 1 | 1 | - | | : i |
| : 2 | 2H 26 | Monte Calvario | F19. XI-3-12 | O | | | | | - | - <u> </u> | | 4 | _ | | | Ţ |
| , , | FH 27 | | | | | Ô | | | - | 0. | - | |) | | | - 1 |
| | TH 28 | Monte | | 0 4 | | Ō | | _ | | - | - | -1 | - | | | - 1 |
| , KI | TH 29 | · · | F19.11-3-12 | 0 0 | | | | - - - | | | • | | | | | |
| 36 | TH 33 | Monte Calvario | 12. | 0 | | 0 | - | - | 1 | 1 | <u> </u> | · <u>{</u> | - | | | - |
| 37 | AC HE | Monte Calvario | | | o, | | - | - | | | |); - | | | minimize. | |
| 90 | S. 38 | Statgon | F19, II-3-12 | 0 | 1 | 1 | - | i + + 1 | |).c | † 1 | 1 | - | | 40,54,0,6 | - |
| 39 | SM 43 | Slaigon | | 0 | į | | - | 1 | - | 00 | \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | †. - | 1 | - | | 1- |
| 40 | SM 42 | Statgon | | ō | | - | | | | 5 | | · [ς | | | | |
| 7 | KY 31 | | F19.11-3-12 | · | _ <u></u> | |)) | + | 1 | - | 1 |). | | - | - | |
| 2 | KY 33 | | | · : | | <u>o</u> - | | 1 | | | 1 | C | | 1 | | - |
| Ç | KX 36 | Bulewan, Gabeo | | 0 | | |) Q | | | .! .! | ļ |) (| 1 | 1 | nexown | ÷ |
| Ŧ | XY 47 | Southern Irosin, | F19. II-3-12 |)) | |) () | 1 | 1 | 1 | | <u>;</u> | . 0 | - | 1 | | ; |
| 4.5 | XX 48 | Southern Irosin | | 1 | | <u>3</u> | | - | - | | | 3 | | | | Į. |
| 9# | TH 38 | Magallanes | | Q Q. | 1 | + | 1 | 1 | | | 1 | | | }. | | - |
| ÷ | 2H 39 | Magallanes | F19. II-3-14 | ٥, | 1 | 1 | ;)) | - | 1 | - | - | - | | - | 1 | |
| 4 | SM 67 | Bacolodo | F19.XX-3-14 | | - | - | | - | + | | †- | 1 | 1 | | | - |
| 49 | SM 44 | San Roque-Mt. Malobago | P19.II-3-15 | 0 0 | - T | | - | 1 | 1-1-1 | 3.6 | | + | 1. | <u></u> | | |
| 50 | SM 47 | San Roque-Mt. Malobego | F19. II-3-15 | 0 0 | | - | - - - - | - | | 2 | | | | | | |
| | 1 | | | | | | | | | | | | | | | |

Table 2-5 Result of determination of mineral assemblages by X-ray diffraction

| | | | | | | | Call Contra | - (| | | | 541.681 | CAMPONE | 2 | ٥ | Orbace | | Commence | Prema- |
|----------|--------|---------------------|-----------------|----------------------|----------------------------------|--------------------------------|----------------------------------|----------------------------------|--|----------------------------------|---------------------------------|----------------------------|---|--------------------|-------------------------------|--------------------------------|---------------|-----------|--------------|
| į | | Younge O'A | of locality | STITOBLE | Peldspa | Clay | : . | | 20011 | | OTHERS | | | | | | | | ration |
| _ | Ī | | | - | | | | | | | | - | - | | - | - | - | | - |
| | | | | | 25.6 | | *475 | | ** | # \$ ° | | | | | | | | | (00 £ 1 5 |
| | | | : | Cristobe Cristobe | Finybite Tooteste R-Feldep | Albite Sericite Chlorite | Kaolinit Smecifie Fyrophyl | CFJ \ 20 26E \ 20 H97J07E7 | flashtoff flashtoff flasmosti | Stilbite Yelrakit Ibnairsk | Rornblan Pycening Biotite | Alunite Syssum Stite | # Caleste Caleste Polomice # Sidente | Pyrite Regnesit | Bemetite Anatese Alisus | esthiseo Hannah Hitangoh | Spheleri | | Ret Jeue |
| 5 | TH 42 | Tugas | P19.11-3-16 | 7 | | | 0 | | - | - | - 1 | | | | | | | | - |
| 22 | ¥ | Tugas | P19.II-3-16 | \rightarrow | _ | | | j | - | | j | Õ | - | | | - | - | | |
| S | . 10 | | F19.II-3-16 | < (| - 0. | 1 | ō | 1 | | | 1 | 4 | 1 | 4 | - - | | - | | |
| 7 | 를 주 | Tugas | 7 | 0 | + | + | 1 | İ | j | 1 | | + | + | 1. | |)) (| + | | ļ |
| 25 | 표 27 | Tugas | F19.11-3-16 | 9 | | | 1 | | | | | | | 1 | - | | | | |
| 26 | XX ¥1 | Methog-Culasi | P19.11-3-16 | 1 | | |) | 4 | + | - | 1 | | | 1 | | | 1 | | |
| , s | ζ. Υ. | Matnog-Culasi | TI. | | 1 | | - | † | | 1 | + | | - - - | 1 | -‡- -†- | - | | | - |
| 9 2 | SM 30 | Marroque Cultaga | F10. II-3-16 | \C | | |) | Ī | | 1 | İ | <u> </u> - | <u> </u> | İ | - | - | - | | |
| 9 | | Mathod-Culasi | *19.II-3-16 | Ç | 1 | - | | - | | | | Ĝ | | _ | !- | - | | - | |
| 2 | SM 37 | Matnog-Culasi | F19.11-3-16 | | - | | ¥ | | - - - | | | - | | | | | _ _ ; | | - 4 |
| 62 | TH 55 | Ginablam | F19.11-3-16 | | • | | - | | - - | 1 | - | | | | | - | - 1 | amorthons | , j- 1 |
| 63 | SM 60 | Butag-Sua | F19.11-3-17 | | - | 1 | + | j | - - - - | 3 | | <u> </u> | 1 | 1 | • | 1 | - | | - |
| . | 19 WS | Butag-Sus | F19.II-3-17 | 4 | | + | 1 | İ | | ! | 1 | | + | <u> </u> - | - | | + | 1 | |
| 2 | CO MA | Surag-sua | Was Trans. | | | | | | - | | | ļ Vā | - | | - | - | | | - |
| 2 0 | F - | Straw | V10. II-3-19 | ļ | 1 | Ť | - | İ | | - | - | - | - | <u> </u> | - | | | | <u> </u> - |
| 90 | 71.75 | | | O | 1 | ÌΤ | | - | | - | | - | | | _ | | | | - |
| - 69 | TH 84 | 7 | P19.11-3-21 | o. | | 0 | - | | | <u> </u> | | | | - | | | | | ٠. |
| | TH 85 | 1 | P1q. II-3-21 | 0 | - | | | | | | | | | - | | | | | |
| 7 | | Western God | P19.11-3-22 | Õ | Ō | | - | | | - | | | V: 1 | 1 | _ | | | | - |
| 7. | į. | Western God | F19.II-3-22 | 0 | 0 | 1 | | | - | | | | | Q | | - | | | - |
| ŭ | SH 74 | Western Pasacao | F19.II-3-23 | 0 | 4 | | • | | - - | | | | 0 | _ i | . 1 | | ì | | |
| 1 | XY 57b | Eastern Pasacao | P19.II-3-24 | 4 | 0 | | - <u> </u> - | | 1 | | | 1 | - | <u>. †</u> | | | - | | |
| 7.5 | XX 60b | Eastern Passono | Fig. II-3-24 | 0 | | _ | - - | 1 | - | | ſ | | <u>ē</u> | õ | - | - | | | - |
| 9 | 407 MS | Lake Buha | F19.11-3-26 | 7 | | | ō | - | 1 | - | <u> </u> | - - 5 | + | 7 | | | - | | - |
| 11 | SM 70c | | F19.11-3-26 |) 0.0 | | | | 1 | + | - | | 1 | + | <u> </u> | ₫ | | Ì | | - |
| 78 | SM 71& | _ | P19.IX-3-26 | | | 1 | | 1 | - | 1 | İ | + | 1 | į | 4 | - | <u> </u> | | 1. |
| 6 | SM 72 | Lake Buhi | 71g.II-3-26 | ٥ (|) () () | 1 | 1 | 3 | | - | - | 1 | + | 1 | - | - | 1 | | - |
| 0 | 27 YS | Caorasan, Balatan | 7. 19. 11. 3.27 | 3 | \ > | - | | | | + | | | ō | - | - | - | | | - |
| 0 4 | 5 | Cackengin, Doneston | | C | † | 1 | ļ | C | - | - | - | <u> </u> | | 1 | - | - | <u>!</u> | - | t |
| 4 60 | SW 87 | Balatan | F19.11-3-27 | o | | - | 1 | | | | | - | | <u> </u> | | | | | - |
| 40 | 96 MS | Balatan | | 0 | | | | 7 | | | | 0 | | 0 | | | | | |
| 85.55 | TH 57 | Sibobo | ďΙ | Ĉ | | | - | | - | 1 | - | o · | | | + | | - | | - |
| 96 | TH 58 | Stbobo | F19.11-3 | | | | • (| 1 | <u> </u> | - - | | | + | 1 | Ţ | | 1 | | |
| 6 | 60 11 | Stbobo | 719.11-3-30 | 4 C | 1 | - | ٠ (| + | | | ! | | + | <u>†</u> | 1 | | - | | ; - |
| | 2 th | -; | | Ø | | | 0 | - | ¦_ - | 1 | | | 1 | <u> </u> | - | | | | - |
| | 14 | | | ٠ | | | | | | - | | | | | 7 | | | | |
| | TH 65 | Stbobo | 173 | 0 | | | | | | 1 | Ĭ | • | | <u> </u> - | 1 | | - | | |
| | TH 67 | | F19. II-3-30 | 0 | 1 | 1 | | + | + | + | | + | - | 1 | • | | | | + |
| ς. | TH 70 | Sibobo | F19.11-3-30 | 0 | 1 | | + | † | 1 | <u> </u> | 1 | | c | ; | - | . <u> </u> . | | | - |
| 6 | XX 784 | Paracale | F19.11-3-32 | i c | 1 |) | 1 | - | 1 | + | | 1 | > - | 1 | 1 | - | 1 | - | + |
| G | TH 101 | Tidi Mine site | F19.11-3-33 |) | 1 | |) C | | | + | 1 | | + | 1 | - | Ç | | | - |
| 5,5 | TH 107 | December Die | F10.11-3-33 | o | 1 | 0 | | 0 | : | + | ; | | 0 | +- | | 0 | | | į- |
| . 8 | TH 110 | Mabato | F14.11-3-33 |) (| 0 | | | | | | | | | | | | | | |
| 66 | TH 112 | Extban Mine site | P1g.II-3-33 | 0 | 0 | 7 | | | | | | | | | | | | | |
| 100 | TH 113 | Exiban Mine eite | F19. XI-3-33 | _ O | ∇ 0 | | Ö | 00 | | _ | | - | | | | - | | | 1 |
| | | | | | | | | ļ | | | | | İ | ļ | 1 | | | | |

Table 2-5 Result of determination of mineral assemblages by X-ray diffraction

| 1 | e (dwy; | 2000074 | Reference | | I | | | ľ | 61110 | : | Silicate Airerals | 978 | | | | | H | Sultere | | Curbonete | 3 | L | | OCHOP | Ę | | ð | Comments | - Dellactor | _ |
|-----------|---------|-----------------|--------------|-------------------|------------------|----------------|-------|--|---------------|-----------------|-------------------|-------|-------|---------|-------|------------------|----------|---------|----------------|-----------|------------------|-------------|----------------------|------------|-------|-------|------------|----------|-------------|----|
| 3 | | | of locality | Silicate Feldspar | ě. | 1000 | Ļ | 3 | Clay ainerals | nera. | | L | 3 | Lectite | r | OCHAES | , | | | ' | | | | | | | | | ration | |
| | | | : | | | 34 | | - | | | | 93110 | | | • 1 | | | | | | | | | | | • | | | tos(te | |
| | | | | atoba alota | 2 Jm/5 5 2016 | dabis eldap | 110g. | ************************************** | 93T351 | Toket copyay | es / . | as \ | 1300¢ | 1141. | thrai | eutza. uetaa. | 9327c | - MUR. | B1110 . | 621a0 | aftzal Jiesni | ● 52 | #1114 #181 | *11 *11 | 13000 | 13750 | 844 | | | |
| | | | | 125 | | | _ | - | rus | | . • 5 | CFT | | | Þ₩ | | | cxt | 1.01 | | | ιλd | | | 194 | ud s | 100 | | E.c.» | |
| Ħ | _ | Mt. Bagaca | P19.11-3-33 | ð | Н | | Q | | | | - 1 | 10 - | | i | | | | | | | - | ŀ | - | _ | | - | | | | ~- |
| KY 68a | 843 | Bulaha | F19.11-3-36 | 0 | | | | 0 | | | | | | | | | | | | | | | ۵ | | | | | | ļ | |
| Ž | ~ | Bulala | 719.II-3-36 | O | L | - | | Q | | - | | | - | - | | | | | | | - | ! | ā | | | | | | | |
| 104 KX 74 | | Bulala | F1g. II-3-36 | o | لِــا | | | Ų | | - | | | | | | - | <u> </u> | | | | | ø | 4 | | | - | | | _ | |
| SH 92 | 2 | Mt. Culasi | F19. II-3-37 | V | Ø | | | - | | Ø | | | | | | | H | | | | - | | | | | - | | | - | |
| 5. | SM 94: | Mt. Culasi | P19, II-3-37 | 200 | H | | | Н | | μį | | | | - | | | H | | - | - | - | 0 | | | | | | | - | |
| E | 9 | ft. Culasi | F19, II-3-37 | 4 | 4 | | | | | - | | | | - | | | O | | | | - | | o | - | _ | | | | | |
| Ŷ. | 96 | ٠ | | • | • | | | _ | _ | - | | | | | | | O | | | | | o | | | - | | amortphous | porte | | |
| ž | 8 | SM 100 Mt. Labo | F19.II-3-39 | 7 4 | | | | 4 | ◁ | | | | | | | | 0 | | | | | - 1 | : - <u> </u> - : | Q. | إ | _ | | | | |
| Ž | 5 | | PAG TT 23.30 | < < | _ | | _ | - | • | • | | | | - | | - | - | | | | - | • | - | | | | | | - | |

NOTE
Ser/Sme : Seriol te/Smedtite mixed-layer clay mineral
Chl/Sme : Chlori te/Smedtite mixed-layer clay mineral

| | į |
|--------------------|---|
| y of min aralu | |
| 0,1 | |
| of quantity'c | |
| Criteria | |

| mineral | | peak hight | from base | line (unit: char | chart scale) |
|-----------------|-----------|--|-------------------|------------------|--------------|
| i | (d value) | (ab | | | ·(trace) |
| SATT 2 | (3.34.) | | | | |
| Cristobalite | (4.05] | more than 100 | 06 - 66 | 49 - 10 | less than 10 |
| Tridymite | (4.27) | The second secon | | | |
| Plagioclasc | (3.1%) | more than 40 | 39 - 20 | 19 - 10 | less than 10 |
| K-Peldsper | (3,30.) | Ŀ | 07 - 61 | | less than 5 |
| Albite " | (3.20) | | The second second | | |
| Serici te | (01.01) | | 2 - 200 | | |
| Chloritte | (7.10) | | | | |
| Kaolinita | (7,38) | more than 20 | 19 - 10 | 4.5 | less than 5 |
| Smeattte | (32.25) | | | | |
| Halloy site | (4.42') | 1 | | | |
| Pyrophyllite | (3-04) | | | | |
| Clanopitalolite | (6.93) | - | | | |
| Houlen dite | (8.95) | more than 20 | 19 + 10 | 9 - 5 | less than 5 |
| Laumon tita | (4.16) | : | | | |
| Mordenite | (3.48) | | | | |
| Hormbland | (8.40.) | | | | |
| Pyroxine | (3.31.) | more than 20 | 19 - 10 | 5 4 6 | Less than 5 |
| Hyperthine | (.3.18') | | | | |
| Blotite (| (10,10) | | | | |
| Alunite | (2.99.) | | | | |
| Jarostre | 9.08 | more than 45 | 44 - 20 | 19 - 10 | less than 10 |
| Barite | (3.45) | - | | - | ÷1 |
| Gypsum | (2.87) | | | | |
| Calcite | (3.03.) | | | | - |
| Ankert te | (2.90) | more than 45 | 44 - 20 | 19 - 10 | less than 10 |
| Magnes are | (2,74) | | | | |
| Siderite | (2,80) | | | | ` |
| Pyrite | (2,71) | | | | |
| Anatase | (3.52) | | | | |
| Rutile | (3.25) | | | - | |
| Hematite | (2.70) | | | • | |
| Goethi te | (4.18) | more than 10 | 8. | - T | Less than 3 |
| Marcasite | (5.69) | | | | |
| Magnet 1 te | (2.53) | | | . : | |
| Sphalerite | (3.12.) | | | | |
| Galena | (2.96) | | | | |

()

| Table 2-6 | Result of measurement of δ ¹⁸ O and δ D | | | | | | | |
|-----------|--|-------------------|-----------|--|--|--|--|--|
| Sample | Prospect | δ ¹⁸ O | δD | | | | | |
| | | (‰, SMOW) | (‰, SMOW) | | | | | |
| TH-75 | Siruma | +21.7 | -58.6 | | | | | |

| Table 2-7 | Result of de | Result of determination of temperature by isotope geothermometer | | | | | | | | | |
|-----------|--------------|--|----------------------------------|-----|------------|-------------|--|--|--|--|--|
| Sample | Prospect | δ ³⁴ S _{CDT} | δ ³⁴ S _{CDT} | | ature (°C) | | | | | | |
| | | sphalerite | galena | *1 | *2 | | | | | | |
| KY-79 | Paracale | -2.8 | -4.2 | 417 | 431 | | | | | | |

note *1: Kajiwara and Kruoe, 1971 *2: Ohmoto and Rye, 1979

Figure 2-5 Result of determination of horrogenization temperature and satisfy of fluid inclusions. (1,55)

| | | | , , | 2.0.3 | | | (10.55) |
|-------------|------------------|--------------|-------------|------------|--------------------|--|--------------|
| | | EK30 | | | | | |
| prospect | t | fiel | | | | | |
| rock ty: | | quarte vain | within sit | esed ander | ita bracela | | |
| referen | | 71g.1(-3-7 | | | | | |
| £1414 1: | *nelusion* | sice of ver | er very gre | atly and I | t puggests | | |
| | | | has occurs | | | | |
| | | | | | | | |
| | | T | 12. | | 1. | | |
| Ka | Mineral | \$1 z q | Valume | Pocs. | 14029- | Hate ing | Mac F |
| p-3 | i | | Cotio | | fature (C) | (7) | |
| | | (46) | (5) | | | | Yt (0) |
| | Queres. | 1 | 16 | ₽0 | 271 | 1.3 | 2.87 |
| | Courts | 15.0 | + | 1rr | 239 | 1.1 | 2.25 |
| | Cuarte | | 10 | | 229 | -1.7 | 7.61 |
| | Quarts | <u></u> | 3 | | 214 | | |
| | Charts | 15.0 | | - 00 | | -1.1 | 1.11 |
| | Oyacta | 17.5 | 10 | Po . | 237 | 111 | 2.61 |
| <u> </u> | Cuarte | 27.5 | 10 | 110 | 21) | -1.1 | 7 67 |
| | Quarta. | 13.0 | | po | 217 | - : ! - | 7.41 |
| 10 | Cunrte | 2.3 | 10 | <u>p</u> o | 232 | 1.3 | 2.07 |
| | Quarts Quarts | | 10 | eg | 251 | | |
| 11 | | 32.3 | | | | | 1.41 |
| 12 | EFSAUQ EFSAUQ | 30.0 | 13 5 | PP tu | 231 | 11.1 | 1.91 |
| 26 | Quarts | 12.5 | 10 | 20 | 212 | | 2.67 |
| 13 | Quarts | 5.0 | 12 | | 246 | | 2.97 |
| 16 | Quarts | 5.0 | 10 | 20 | 271 | | |
| 1, | Quarte | ₹ 2.3 | 3 | | 223 | 1 | |
| 10 | QUARTE | 5.0 | 10 | 90 | 236 | <u> </u> | |
| 19 | Quarte | 12.5 | 13 | ict | 247 | -1.3 | 7.67 |
| 30 | Quarts | 5.0 | 19 | 20 | 237 | | <u> </u> |
| | | † · • • • • | † | | † ~~* ~ | | |
| | | 1 | t | | 1 | | |
| | <u> </u> | | 1 | | | t | |
| | | | - | | | | |

equenc irritriogular poupolygon equence tritriangle toutube equendes



Figure 2-1 Result of determination of homogenization temperature and satinity of fluid inclusions

numple prospect rock type reference

SM12 Tiwi altered andemits Fig. 16-2-7 mire of vapor vary greatly boiling has occurred finid inclusions

| | Mineral | Size | Volume | Form | Temps | Helting | NaC L |
|----|---------|------------|--------|------|--------|---------|--------|
| J. | 1 1 | | ratio | | reture | tesp | |
| | 11 | { pa m } - | 1 10 1 | | 103 | (C) | 9t (1) |
| 1 | Quarte | 7.5 | | PO | 253 | -0.6 | 1.05 |
| 3 | Quarts | 5,0 | 15 | æg | 258 | -0.6 | 1.05 |
| 3 | PULCE | 5.0 | 12 | »q | 244 | -0.4 | 0.71 |
| 5 | Quartz | 3.0 | 10 | ρe | 216 | -0.5 | 0.86 |
| 5 | Quartz | 3.9 | 10 1 | ge | 206 | -D.6 | 1.45 |
| 6 | Quecti | 3.0 | 12 | | 224 | -0.4 | 9.71 |
|) | Quartz | 7.5 | 13 | 50 | 256 | 0. | 0.71 |
| • | Quarts | 5.0 | 10 | 80 | 233 | -0.4 | 0.71 |
| • | Quarts | 5.0 | 12 | go | 225 | -0.4 | 0.11 |
| k0 | Quartz | 5.0 | 1 10 1 | - 50 | 209 | - | |
| 11 | Quarte | 5.6 | T 11 | - 00 | 343 | -0.3 | 0.86 |
| 11 | QUARTE | 5.0 | 1 11 | 94 | 238 | 0.4 | 1.05 |
| 13 | Quartz | 2.5 | 10 | | 233 | _ | - |
| 14 | Quartz | 2.5 | 10 | po | 227 | | : T |
| 15 | Quarts | 10.0 | 1 22 1 | 1:0 | 248 | -9.7 | 1.23 |
| 14 | Quarte | 7.5 | 13 | po | 252 | -0,6 | 1.05 |
| 11 | Quarte | 5.0 | 13 | eq. | 257 | -0.4 | 0.11 |
| 10 | Quartz | 5.0 | 111 | 00 | 2 94 | 0.6 | 1.03 |
| 19 | Quartz | 2.5 | 10 | 20 | 216 | | - |
| 20 | Quarta | 5.0 | 13 | ge- | 235 | 5.1 | 9.71 |
| | | | | | | 1 | |
| | | | | | .1 | · | |
| | | | 1 | | Т | | |

ag:egg irriirregular po.polygon ag:aquare tritriangle tu:tube eg:wedge

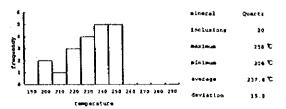


Figure 2-1 Result of determination of humogenization temperature and safinity of fluid (2/22)

Light incidations
took type
trospect
sample

Exit Tiwi altered andeesta breccia

excess encerns prefet Fig. Et 1-7 Hany other Bingle liquid phase inclusions are observed secking down is also observed

| | Miserel | \$124 | Volume | fore | (sape- | Melting | Mack |
|-----|--------------|--|--------|--------|--------|--------------|----------|
| No | 447.0102 | 2114 | 1 | (pt # | | | 440.6 |
| NO. | | | retio | | Eature | (30) | i: |
| | - | (am) | (9) | | (6) | | WE 111 |
| .1 | Queres: | 20.0 | 12 | . 93 | 267 | | 5.71 |
| 2 | Quartz | 11.5 | 10 | t y | 241 | -0.2 | 8.15 |
| 3_ | Quarts | 10.0 | 13 | pq. | 265 | -0.7 | 2.13 |
| 4 | Quaste | 1.0 | 1.0 | P0 | 261 | | |
| 5 . | Gratte | 20.0 |) | tu | 243 | | - : |
| 6 | Quarte | 20.0 | 7 | ier | 741 | -04 | 1.65 |
| , | Quarts | | 10 | 29 | 212 | -0.4 | 1.65 |
| | Quarts | 19.0 | 35 | tj | 255 | -0.7 | 1.23 |
| | Quarts | 1.5 | 50 | ier | 258 | - | - |
| 10 | Quarts | 5.0 | 70 | 90 | 274 | - | - |
| 11 | Quasts | >5.4 | 10 | ire | 245 | -0.9 | 9.73 |
| 12 | Quartz | 10.6 | , | irc | 252 | -0.6 | 1.03 |
| 11 | Quartz | 10.0 | 5 | ire | 241 | +0.4 | 0.71 |
| 14 | Quarts | < 2.5 | 3 | eg | 245 | | - |
| 15 | Quartz | 2.5 | | 19 | 213 | - | |
| 14 | Quartz | 5.0 | 10 | po | 261 | - | 1 |
| 17 | Quarts | 37.5 | 10 | irr | 251 | -0.5 | 1.05 |
| 10 | Quarts | 20.0 | 12 | irc | 266 | 2.4 | 0.71 |
| 15 | Quarte | 5.9 | 10 | 20 | 2 15 | | |
| 20 | Quarta | 7.5 | 10 | þа | 264 | - | - |
| | | | | | + | | <u> </u> |
| | 1 | | 1 | | 1 | i — | |
| | | | | | | | |

agiegg firifiregular poipolygon aquaquare tritilangle tuitube wgiwedge

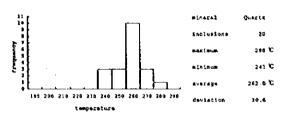


Figure 2-1 Result of determination of homogenization temperature and salinity of fluid inclusions (4/2 (4/22)

tock type brospect 5H34 T1+1 altered andesite

Rig.II-3-7 easy other Fingle Riquid phase inclusions are observed

| | Mineral | Stre | Volume | Form | Tump e | Halting | NaCl |
|------|---------|------|--------|-------|--------------|------------|----------|
| No | | | ratio | | Fature | Temp | 4 1 |
| | | (#M) | (1) | 100 | { € } | (C) | Wt (2) |
| 1 | Calcita | 20.0 | 15 | pa | 271 | -0.2 | 0.35 |
| 2 | Colcita | 25.0 | 15 | po . | 201 | -1.3 | 0.38 |
| 1 | Calcita | 5.0 | 10 | t r | 279 | _ | |
| | Calcire | 25.0 | 10 | tr | 288 | 0.2 | 0.35 |
| | Calcite | 5.0 | 10 | eq | 273 | | 7 |
| - 5 | Celcite | 12.5 | 10 | ŧu. | 217 | 0.3 | 0.53 |
| 7 | Calcite | 7.5 | , | go. | 278 | | |
| | Calcite | 30.0 | \$ | tu | 251 | -0.3 | 0.35 |
| | Calcite | 17.5 | | te | 265 | -0.1 | 0.15 |
| - 10 | Culcute | 3.0 | 12 | ıq | 272 | | |
| 1 8 | Calcire | 5.0 | 10 | 90 | ₹56 | | <u> </u> |
| 12 | Calcite | 12.5 | 10 | | 275 | -0.2 | 0.35 |
| 13_ | Calcite | 5.0 | 3 | - 00_ | 232 | _ | |
| 16 | Calcita | 5 Q | 10 | 89 | 213 | - | <u> </u> |
| 15 | Calcite | 5.0 | 3.0 | po | 279 | - | |
| .15 | Calcite | 2.3 | 5 | 99 | 25.6 | I · | - |
| 17 | Calcita | 10.0 | 13 | 20 | 279 | Ī <u>=</u> | |
| 1.0 | Calcita | 10.0 | 17 | 89 | 243 | -0.2 | 0.35 |
| L9 | Calcita | 7.5 | 10 | 100 | 272 | | - |
| 20 | Calcite | 3.8 | 1 7 | 20 | 261 | - | |
| | | | T | | | | |
| Ĺ | | | | | | | |
| | T | 1 | 1 | | | | I |

ag:agg fr::trreqular po:polygon sq:squara tr:triangle tu:tube wg:wadge

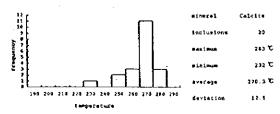


Figure 2-1 Result of determination of homogenization temperature and satinity of fluid inclusions (5/2) (5/22)

Birpte
prospect
post type
prospect

Smc3
Fanten-Mojes-Cobarteo
diorite
Fig-11-3-5
easy other single liquid phase inclusions and ascordary
inclusions are observed
suitable inclusions for observation are few becomes of site

| | Kinagal | Sita | Veluma | FOCE | Tempe - | Melting | RaC L |
|----|--------------|-------------|-----------|-------------|---------------------------------------|---------|--------|
| Ho | 1 | | ratto | | > fature | | |
| | 1 | (mm) | (1) | | (\tau_3 | (0) | Wt 193 |
| _1 | Quacte | 5.0 | | рэ . | 176 | .0.4 | 0.71 |
| 2 | Quagta | 3.0 | 1 | P9 | 143 | -0. ₹ | 0.35 |
| 3 | Quartz | 2.5 | | . po | 145 | - | |
| 4 | Quarte | < 7.4 | 1 1 | . 15 | 152 | - | - |
| | Quasts | € 2.5 | | . 19 | 170 | - | |
| • | Quarte | < 2.5 | | 89 | 144 | - | |
| | Quarts | 7.5 | 5 | ₽¢ | 163 | -0.2 | 0.33 |
| | Quarte | \$.0 | 1 3 | po | 147 | -0.2 | 0.75 |
| • | Quaste | 2.5 | | PЭ | 161 | | |
| 10 | Quarte | < 2.5 | 3 | 19 | 177 | - | |
| 11 | Quarte | 2.5 | 3 | 89 | 171 | | - |
| 12 | Quacts | € 2.5 | 7 7 | 99. | 154 | - | |
| | The follow | ing space 1 | aft blank | | 1 | | |
| | 1 | | 1 | | | | |
| | [| | 1 | | | | |
| | 1 | | T | | | | |
| | 1 | | 1 | | + | | |
| | i | | 1 | | | | |
| | f | | 1 | | · · · · · · · · · · · · · · · · · · · | | |
| | T | | -j | | | | |
| | | | 1 1 | | 1 | | |
| | | | 1 | | 1 | | |
| | | | | | | | |

ag:agg irrifrregular.po:polygon aq:aquara tr:triangla tu:tuba wg:wedge

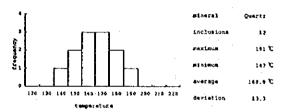


Figure 2-1 Result of determination of homogenization temperature and sasnity of fluid inclusions (7/22)

sample prospect rock type reference fluid inclusions TH74 Strume quartz vein Fig II-3-19

size of waper wary greatly and it suggests boilting has occurred eany other secondary inclusions are observed

| | Minurel | Stee | Volume | Form | Temps- | Malting | NaCl |
|----|----------------|----------|---------|------|--|---------|----------|
| 70 | | | ratto | | rature | Yenp | 1 40 |
| | | [mm] | 1 (0) 1 | 100 | (E) | (C) | Wt (8) |
| .1 | Quarts | 1 12.5 | 12 | 90 | 171 | -0.5 | 0.18 |
| 2 | Quartz | 7.3 | 10 | 172 | 149 | 0.4 | 1.00 |
| 3 | Quartz | 2 7.5 | 12] | ê | 168 | į | 111- |
| 4 | Quartz | 5.6 | 10 | ρa | 151 | - | 3 - 1 |
| 3 | Quarts | 22.5 | 16 | ier | 116 | -0.4 | 0.72 |
| • | Quarts | 27.5 | 10 | 90 | 143 | -0.5 | 0.80 |
| 3 | Quarts | 20.6 | 10 | 122 | 151 | -0.5 | 0.50 |
| | Quarte | 7.5 | 12 | ag . | 173 | -0.6 | 1.05 |
| 1 | Quarts | 1 7.5 | 12 | 00 | 169 | -0.5 | 0.98 |
| 19 | Quarts | 5.0 | 13 | • | 277 | -0.7 | 1.23 |
| 11 | Quarts | 5.0 | 10 | PO. | 144 | | - |
| 12 | Quarts | 5.0 | 1 1> | •q · | 167 | - | N 1 |
| 13 | Quarte | 12.5 | 1 10 | 90 | 455 | -0.4 | 0.71 |
| 14 | Quarts | 10.0 | 12 | ý | 173 | -0.5 | 0.88 |
| 13 | Quarts | 5.0 | 15 | ₽g | 142 | -0.5 | 0.68 |
| 16 | Quertz | 5.0 | 10 1 | 20 | 151 | - | ī |
| 17 | Quazte | 20.0 | 15 | 20 | 166 | -0.6 | 1.05 |
| 18 | Quarts | 7.5 | 10 | ¢ u | 142 | -0.2 | 0.15 |
| 19 | Quarte | 5.0 | 15 | po | 553 | - | - |
| 50 | Quartz | 5.0 | 12 | tre | 164 | | - |
| | - | <u> </u> | } | | | | |
| | | \vdash | - | | | | <u> </u> |

equegg irruirregular perpolygon equequare trutriangle toutube wg:wedqu

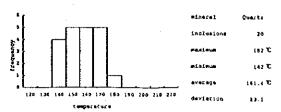


Figure 2-1 Result of determination of homogenization temperature and satinity of fluid inclusions (5:22)

Eurple prospect rock type reference fluid inclusions EV3Cs Fin Ducen-Reputati quarte-veim Fig.tE-1-10

birs of vaper very greatly and it suggests bothling has occurred

| | Kinerel | Sita | Volume. | Fore | Tampa- | palilah | NaC1 |
|-----|---------|----------|------------------|------------|--------|---------|--------|
| Na | 1 1 | 1.1 | : Setto | | 247074 | C#07 | |
| | 1 | {##I | $1 - \omega - 1$ | : | (C) | (°) | Vt (8) |
| | Celcita | 12.5 | LO. | - 44 | 242 | -1.3 | 7.57 |
| 2 | Colcita | 10.0 | 10 (| 89 | 217 | -1.4 | 2.41 |
| 3 | Colcita | 5.0 | 7 | - 60 | 204 | | |
| | Colcita | 3.0 | 15 | - 19 | 213 | | , |
| | Colcita | 7.5 | 10 | 19 | 222 | -1.6 | 1.14 |
| 4 | Colcita | < 2.5 | 7 | PΦ | 20€ | - | |
| | Colcito | 7.5 | 10 | 19 | 214 | - | |
| | Colcita | 7.5 | 12 | 19 | 328 | -1.5 | 3.23 |
| | Calcita | 3.0 | 14 | 19 | 202 | -1.5 | 2.57 |
| 10 | Calcita | 3.0 | | 19 | 143 | | |
| | Colcite | . 15.0 | 10 | | 211 | -1.0 | 1.76 |
| 12 | Colcita | 3.6 | 12 | 50 | 242 | - | - |
| 13 | Colcita | 1.0 | 10 | βO | 204 | | |
| 14 | Colcite | 4 2.5 | , , | - 69 | 124 | _ | _ |
| 15 | Colcite | 7.5 | , | D¢. | 351 | -1.6 | 2.74 |
| 16 | Calcite | 20.0 | 12 | 69 | 241 | -1.7 | 2.90 |
| 17 | Colcita | 1.1 | 1. , | • 9 | 20) | - | |
| 1.0 | Calcita | 2.5 | , | | 209 | - | |
| 19 | Calcita | 5.0 | 12 | . • q | 717 | -1.0 | 7.74 |
| 20 | Celcita | 7.5 | 10 | * q | 216 | -1.3 | 2.51 |
| | L | | 1 | | | | |
| | L | | L | | | | |
| | | <u> </u> | <u> </u> | | 1 | | |

ag:agg irreirragular po:polygon aq:aquara tritriangla tu:tuba wg:wadga

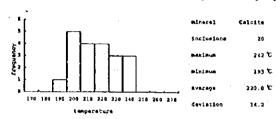


Figure 2-1 Result of determination of homogenization temperature and safinity of fluid inclusions (8/22)

sample prospect rock type

Nestern for quarts wein Fig. E7-3-22 heavy other single liquid phose inclusions and secondary of inclusions are observed fluid inclusions

| | Mineral | . Siza . | Volum | Form | Tespe | Malting | MACL |
|------|---------------|----------|-------|------------|--------|---------|--------|
| Mg. | 18 E | 1 tara | ret1o | 200 | retura | Temp | |
| | A 2 1 1 1 1 1 | (um) | (4) | | 171 | (3) | We (B) |
| 1 | Quartz | 10.0 | 10 | P 0 | 167 | ·1.1 | 1.91 |
| 2 | Quarts | 7,5 | | Po | 130 | -0.8 | 1.40 |
| 3 | Quarts | 7.5 | 10 | po | 162 | - | _ |
| 4 | Quartz | 2 5.0 | 5 | ρΨ | 147 | 1.1 | 1.91 |
| . 5 | Quarts | 5.0 | , | po | 155 | -1.0 | 1.74 |
| 4 | Quarts | 3.0 | , | irr | 163 | -1.1 | 1.91 |
| , | Quartz | 2.5 | 5 | po | 117 | | |
| 8 | Quartz | < 2.5 | | ** | 139 | | 7 |
| • | Quarts | 2.5 | | 89 | 126 | | |
| 10 | Quartz | 3.0 | 7 | ро | 148 | -1.2 | 2.01 |
| 11 | Quartz | 3 12.5 | 30 | ice | 171 | -1.0 | 1.74 |
| 12 | Quartz | 5.0 | 10 | وه | 157 | 1.0 | 3.74 |
| . 13 | Quarts | 5.4 | 7 / | ρo | 155 | -1.1 | 1.91 |
| 14 | Quarts | 2.5 | , | 45 | 134 | - | - |
| 15 | Quarts | < 3.5 | 1 1 | •9 | 131 | | |
| 16 | Quarts | ₹ 2.5 | 2 | eg | 135 | | |
| 17 | Quarte | 7.5 | 10 | Q0 | 147 | -0.6 | 1.40 |
| . 11 | Quarte | 5.0 | 10 | ₽≎ | 166 | -1.0 | 3.74 |
| 15 | Quarts | 5.0 | , , _ | po | 150 | | - |
| 20 | Quarte | 2.5 |) | go. | 139 | | 1 |
| | ļ | L | | L | | | - |
| i | ļ | <u> </u> | اا | | I | | |
| | | L | | | T | | |

eg:egg irr:irregular po:polygon mq:mqumre tr:triangle tu:tube wg:wmdge



Figure 2:1 Pleasatiof one immation of tomogeneration temperature and satisfyly of fluid involves ons (9:2) (9/22)

exagle prospect rock type reference SNTS Newtorn Faderan Coarte Nain Fig E(-3-2)

fluid inclusions, many other single liquid chase inclusions are objected

| | Mineral | . Situ | Volume | 7=(= | Terce | Halt Log | NaCL |
|-----|---------|---------|--------------|----------|--------|----------|--------|
| N3 | 1 | | rat to | | FATUER | | 100 |
| | 1 | 1 µ m j | \mathbf{p} | | (6) | (E) | VE (1) |
| | Quarts. | 5.0 | 1 | <u> </u> | 130 | -0.7 | 0.33 |
| 1 | Cuartz | 5.0 | 11 | . 79 | 110 | 0.7 | 0.35 |
| _1 | Quartz | 7.5 | | | 107 | - | |
| | Quarts | ₹ 2.5 | 2 | | 110 | - | 1 |
| | Querca | 4 7.5 | 1 | . 43 | 108 | - | |
| | Quartz | 7.5 | | t o | 144 | -0.1 | 6.11 |
| 7 | Quarta | 5.0 | | 90 | 113 | 0.0 | 0.00 |
| | Quarte | 5.0 | 1 | | 135 | -D.2 | 0.15 |
| | Quazta | 5.0 | | . 99 | 142 | -0.2 | 0.15 |
| 10 | Quarts | 2.5 | 3 | | 151 | | - |
| 11 | Quarte | < 2.5 | 2 | | 167 | - | |
| 3.5 | Conste | (2.3 | 2 | 19 | 112 | | - |
| 11 | Quests | C 2.5 | 2 | 43 | 117 | | - |
| 16 | Queste | 3.4 | 1 | j po | 100 | -5.1 | 0.18 |
| 15 | Quarte | 5.0 | 1 | . pa | 109 | 9.0 | 0.00 |
| 16 | Quarte | 3.0 | 2 | go | 121 | 0.0 | 0.00 |
| 17 | Quarte | 2.5 | 1 | 93 | 113 | - | - |
| 11 | Quartz | 2.5 | , , | 20 | 141 | - | |
| 17 | Quests | 2.5 | 2 | . 99 | 112 | | |
| 24 | Quartz | C 2.5 | 1 | • 9 | 108 | | - |
| | | 1 | | | | | |
| | 1 | | | | | | |
| | 1 | | 1 | | | | |

eg:egg irr:irregular po:polygon eq:equare tr:triengle tu:tube eq:wedge

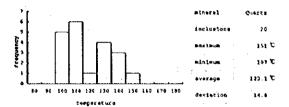


Figure 2-1 Result of determination of homogenization temperature and satinity of fluid inclusions

sample prospect rock type reference

KT99C Eastern Fesendo quartz-vein flost Fig. III->-24 sany other single liquid phase inclusions are observed eaching down is also observed

| [| Hineral | Stre | Velume | Form | Tumpe- | Maiting | No. 1 |
|-----|-------------|---------|--------|------|--------|-------------|-------------|
| No. | N 2 | 1.2 | catio | 100 | sature | ₹ =0 | |
| | 1.1.1.1.1.1 | (a m) | 9. (6) | 11 1 | (7) | (°C) | Wt (1) |
| ì | Quarte | 27.5 | 10 | ра | 232 | -0.8 | 3.40 |
| 3 | Quarts. | 5.9 | 3 | po . | 341 | | - ; |
| 3 | Quartz' | 1 50.0 | 10 | Ser | 210 | -0.5 | 0.00 |
| 4 | Quarte: | - 12.5 | 1.5 | #q | 244 | -0.0 | 2.45 |
| 3 ' | Quartz | 10.0 | 12 | PQ | 241 | -0.7 | 1.23 |
| 4 | Quartz | 2.3 | | 90 | 251 | | 1 - 2 |
| 7 | Quartz | < 2.5 | . 5 | · 69 | 246 | | 1 |
| 4 | Coasts | < 2.5 | 3 | 89 | 232 | _ | , |
| • | Quarts | 37.5 | 10 | - 34 | 245 | -0.8 | 1.63 |
| 10 | Coarts | 17.5 | 12 | *q. | 231 | -0.3 | 3.40 |
| .11 | Quarte | 5.0 | , | irr. | 217 | [- | - :: |
| 12 | Quarts | 13.0 | , | go. | 232 | 0.7 | 1 23 |
| 13 | Quarte | 2.5 | 3 | . 09 | 224 | | · · · · · |
| 34 | QUACTE | 3.0 | 10 | 90 | 224 | -0.0 | 1.40 |
| 15 | Quartz | 5.0 | 1.0 | Vg | 244 | -: | |
| 16 | Quartz | 17.5 | 7 | tu | 248 | 0.6 | 1.05 |
| 17 | Quartz | 15.0 | 10 | . pa | 233 | 0.8 | 1.40 |
| 10 | Quartz | 19.0 | 32 | . eq | 249 | 9.6 | 1.44 |
| .19 | Quarta | 5.0 | t | frr | 224 | | |
| 20 | Quarte | 5.0 | 10 | 111 | 246 | - | - |
| | | | | | 1 | 1 | · · · · · · |
| | T | | 1 | | 1 | T | <u> </u> |

egregg irrifrcegular porpolygon agraquare tritrlengle turtube vgrwedge

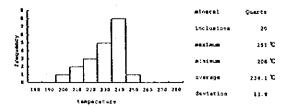


Figure 2-1 - Playure of determination of homogenization temperature and salinity of fluid inclusions (10/22)

Eysig Bostern Pasacas Quarts-vein Fig. EE-3-24

sable prospect rock type reference fluid inclusions

reny other mingle liquid phase inclusions are observed necking down to miss observed

| | Mineral | 5628 | An J. fue | Foca | Tempo- | Helting | NaCL |
|-----|---------|--------|-----------|--------|--------|----------|---------|
| Na | F 4 | | ratio | : * | sature | Tamp | |
| | | 100) | (9) | _ | (C) | (°C) | Nr. (1) |
| 1 | Catcita | 15.0 | 12 | | 274 | -0.3 | 0.53 |
| | Calcita | . 12.5 | 10 | 144 | 199 | -0.2 | 0.75 |
| 3 | Coloite | 10.0 | 19 | ire | 176 | -0.1 | 0.14 |
| | Calcita | 17.5 | | 1 . | 191 | ~0.2 | 0.35 |
| 3 | Calcita | 5.0 | | t u_ | 194 | | - |
| 4 . | Culcita | 7,5 | | t u | 143 | | |
| 7 | Calcita | 10.0 | 12 | 20 | 225 | -D.3 | 0.35 |
| | Colcita | 2.5 | 1 | - 1 | 1 147 | | |
| . 9 | Calcita | 4 2.5 | | . 1892 | 164 | <u> </u> | |
| 16 | Calcita | 12.5 | 50 | 53 | 197 | -0.3 | 8.18 |
| 11 | Calcite | | 1 12 | 90 | 1 231 | : | - |
| 12 | Calcita | 1.3 | 10 | . 90 | 201 | 5.3 | 0.51 |
| 13 | Calcita | 5.0 | 12 | | 222 | l | |
| 14 | Calcita | 2.5 | 3 | 00 | 122 | V = | · - |
| 15 | Calcica | 12.5 | 13 | 9.9 | 231 | -0.3 | 0.53 |
| 16 | Colcita | 17,5 | 10 | 34 | 209 | -6.3 | 0.53 |
| 17 | Calcita | 5.0 | 10 | po | 197 | | - |
| 19 | Colcita | 2.3. | 2 | *9 | 181 | | - |
| 19 | Colcita | \$.0 | , | 100 | 178 | | - |
| 20 | Colcita | 19.0 | 10 | ter | 201 | -0.2 | 0.35 |
| | L | L | J | | | <u> </u> | |
| | L | | ! | | | | |
| | | | | | | | |

agragg irrifiregular purpolygon agraquare tritriangla turtube wyrwadge

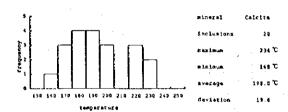


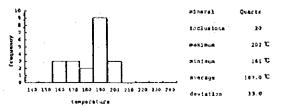
Figure 2-1 Result of determination of homogenization temperature and salinity of fluid inclusions (12/2)

sample prospect rock type reference

Kiedg Eastern Pasacceo Quarte vein Fig. 12-3-24 Bany other eldgie liquid phase inclusions are observed nocking down is also observed

| | Mineral | 5124 | Volume | Form | Tempe | Malting | · PaCl |
|------------|------------|---------|--------|---------|----------------|---------|--------|
| Ж¢ | | 24 | ratio | # . P . | , Fature | | 100 |
| | 8 4 1 1 82 | (# m) | (1) | 7.11.26 | : (C) | (C) | 87 (4) |
| 1 | Quarts | 12.5 | 10 | 90 | 193 | -2.3 | 3,67 |
| | Quarte | 17.5 | 19 | 1rr | 167 | 1.6 | 2.74 |
|) | CHARLE | 7.5 | 7 | 1 rt | 194 | 1 - 1 | ŀ |
| 4 | Quartz | 12.5 | 10 | 1 fer | 198 | 2.7 | 3.71 |
| 3 | Quarta | 5.0 | , | te | 192 | -2.2 | 3.71 |
| - 6 | Quares . | c : 2.5 | 7.7 | 49 | 193 | - | - |
| 7 | Quares | 2.3 | 10 | 20 | 149 | | |
| <u>-</u> - | Querts | 2.5 | 7 | - 49 | 171 | - 3 | |
| 7 | Quarta | 5.0 | 10 | po | 292 | | |
| 13 | Quartz | C 1 2.5 | 5 5 4 | 49 | 161 | - | - |
| 11 | Quarte | 10.0 | 10 | SEE | 201 | -2.3 | 3.87 |
| 22 | Quarte | 2.5 | | po | 171 | | |
| 13 | Quarts | c 7 2 5 | 5 | •1 | 7 196 . | _ | - |
| 14 | Quartz | C 4 2.5 | 5 | • 9 | 192 . | - | |
| 15 | Quartz. | 5.0 | 10 | 10 | 197 | -2.2 | 3.11 |
| 34 | Quarts | c . 2.5 | 1 3 | 4.5 | 159 | | - |
| 17 | Quartz | 4 2.5 | 2 : | | 167 | - | |
| 10 | Quartz | 7.5 | 13 | | 202 | 2.2 | 3.71 |
| 19 | Quartz | ₹ 2.5 | 5 | eg | 193 | | - |
| 20 | Quarts | ₹ 2.5 | , | e g | 191 | - | |
| | | 1 | | I | 1 | | |
| | | 1 | Т | | T | | |
| | 1 | 7 | 1 | | | 1 | |

agiagg irritragular poipolygon agiaquara tritriangla tuituba wgiwadga



()

Figure 2.1 Result of determination of homogenization temperature and satisfy of fluid inclusions (13/2) (13:22)

eumple prompect rock type reference fluid inclumions

SH79c

take Buhi bitares rock float #1g.1f-3-26

enitable inclusions for observation are very few because of size

| | Hinecel | 5124 | Volume | Pose | Tempe- | Kelting | NaCt |
|-------|------------|-------------|-----------|--------|--------|---------|--------|
| No. |) i | _ ´ - | Falis | | rature | tenp | |
| | <u> </u> | (em) | (3) | | (6) | (0) | Vt (1) |
| 1 | Quartz | 3.0 | , | _ ps · | 147 | 0.0 | 0.00 |
| _3 | Quartz | 5.0 | 2 | Po . | 155 | -9.1 | 0.18 |
| | Quartz | 2.5 | | •1 | 160 | | |
| | Quartz | < 2.5 | , | - 63 | 532 | | |
| . 5 . | Quarte | \$ 2.5 | 3 | £9 | 153 | - | -: |
| - 6 | Quarts | 5.9 | 7 | . 90 | 147 | 9.1 | 42.0 |
| .) | Quartz | 7.3 | | 41 | £44 | -0 t | 0.15 |
| | Quartz | 5.0 | , | . po | 143 | -0.1 | 0.15 |
| 9 | Quarte | 5.0 | 5 | 20 | 141 | -0.1 | 6.10 |
| 10 | Quarts | 2.3 | 3 | 49 | 143 | - | |
| 11 | Quartz | 2.5 | 3 | •7 | 159 | 1 | |
| .12 | Quarte | ₹ 2.3 | 3 | +3 | 160 | - | _ |
| 13 | Quarts | ₹ 2.9 | 2 | +2 | 152 | - | |
| | The follow | ing space l | eft blank | | | - | |
| | | | | | | | |
| | | | | | | | - |
| | | | T1 | | | - | |
| | | | | | T | - | - |
| | | | | | | | |
| | | | | | | | |
| | | | I | | | | |
| | 1 | | T | | | | |
| | | | 1 | | T | i | |

agragg intrintegular porpolygon agraguana tertriangle turtuba wgrwedga

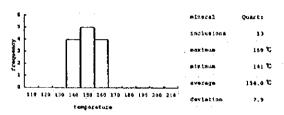


Figure 2-1 Result of determination of homogenization temperature and salinity of fluid inclusions (15/22)

reference frompact frompact

SR78
Coorsean, Beletan
quarte vain
719.18-1-27
many other lequid single phase inclusions are observed

| | Mineral | Size | Volume | rorm | Тепре- | Keliting | MaCl |
|------|---------|--------|-------------|-------|----------------|----------|--------|
| ₽o | | | - gatto | 11100 | rature | Temp | 1 14 |
| | | (am) | .1 (n | 100 | (5) | (1C) | Wt (4) |
| 1 . | Quartz | 22.3 | 20 | 1.75 | 132 | -0.1 | 0.18 |
| 2 5 | Quartz | 7.3 | 7 | Д¢ | 121 | 0.0 | 6.00 |
| _ 3 | 244CEZ | 2.5 | 5 | po | 103 | | 1 - |
| 4 | Quarts | < 2.5 | 3 | #9 | 124 | _ | 1 - |
| 3 | Quartz | \$ 2.5 | I | . 09 | 119 | A 1- | : -: |
| 6 | Quarte | 3.0 | 10 | po | 126 | -0 1 | 9.18 |
| 7 | Quart: | 10.8 | 10 | t. | 121 | -0.1 | 0.18 |
| | CHARTE | < 7.5 | 1 | 89 | 104 | - | |
| | Quarti | < 3.5 | 3 | . po | 212 | | |
| 10 | Quartz | 2.5 | 3.0 | Do | 142 | - | 1 |
| 11 | Quartz | 2.5 | 3 | 96 | 317 | : - | : -: |
| 12 | Quarts | 3.0 | 10 | 69 | 111 | 0.0 | 8.80 |
| 13 | Quartz | c 2.5 | 5 | 89 | 109 | | |
| 14 | Quartz | ₹ 2.5 | 3 | | 106 | - | - |
| 15 | Quartz | ₹ 7.5 | 5 | - 69 | 117 | | |
| _ 26 | Quarta | 3.1 | 7 | ρė | 124 | -0.1 | 9.16 |
| 17 | Quartz | 7.5 | 7 | po | 133 | -9.2 | 0.35 |
| 16 | Quarts | 2.5 | 5 | Po | 124 | | - |
| 19 | Quarta | ¢ 2.5 | 3 | 69 | 112 | | - |
| 20 | Quarts | ₹ 2.5 | 3 | 89 | 125 | | - |
| | | 1 | 1 | | 1 | 1 | |
| | Γ | T | 1 | | 1 | ì | |
| | 1 | | | | 1 - | | |

eg:egg irr:frreqular po:polygon eq:equare tr:triangle tu:tube

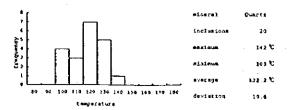


Figure 2-1 Result of determination of homogenization temperature and satisfy of fluid inclusions (14:22)

assple

prospect rock type reference

tana Buhi altered took float fig. IE-3-24 anne other gas phana inclusions are observed

| | Hinesel | Size | Voteme | rocs | Texpe- | Mairing | RaC 1 |
|-----|--------------|-----------|----------|------------|--------|---------|--------|
| KS | | 1.5 | . ratto | | ratura | Temp | 100 |
| | 1 | [m } | 1 (0) | | (\$) | (0) | #t [4] |
| | Quarts | 10.6 | 132 | 02 | 394 | 0.2 | 0.33 |
| 2 | Quarts | 7.5 | 10 | 9.9 | 324 | 0.7 | 0.35 |
| | Cunrts | 7.5 | | . 00 | 311 | 0.4 | 0.71 |
| 4 | Quarta" | < 14 | 1 1 | 43 | 507 | - | - |
| . 5 | Quarts | 2.3 | | D 0 | 302 | | - |
| - | Quacks | 3.5 | 1 5 1 | po . | 304 | - | , |
| , | Quarts | 3.0 | 10 | 90 | 111 | -0.2 | 0.33 |
| | Quarte | 2.5 | 10 | 00 | 334 | - | |
| | Quecte | ₹ 3.5 | | | 293 | - | - |
| 10 | Quarte | < 2.5 | | 89 | 311 | | |
| II. | Quarte | < 2.5 | | 05 | 307 | | |
| 13 | Quartz | 22.5 | 2.0 | Ce | 303 | - | _ |
| 11 | Quacts | 17.5 | | te | 313 | - | - · |
| 14 | Quasts | 7.5 | 13. | 19 | 314 | 0.7 | 0.31 |
| 15 | Quartz | 2.5 | 141 | 19 | 301 | • | į |
| 14 | Dubetz | 2.5 | | 19 | 321 | - | |
| 17 | Quecta | 3.1 | L 11 | ро | 305 | 0.0 | 0.00 |
| 14 | Quacts | 7.5 | 17 | рó | 313 | -5.3 | 0.35 |
| L\$ | Quartz | 7.5 | 10 | Po | 121 | - | - |
| 20 | Quarts | 4 2.5 | 1_3_ | *9 | 200 | | _ |
| | | | 1 | | | | |
| | | | <u> </u> | | 1 | | L |
| | 1 | 1 | 1 | | | F | |

egregg ittriftegular porpolygon aqrequare trittiangle turtube egreedge

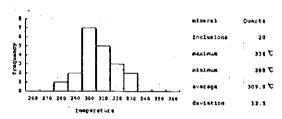


Figure 2-1 Result of determination of homogenization temperature and salinity of fluid Inclusions (16/2 (16/22)

sample

prospect rock type reference fluid inclusions

Eyrisal
Paracale
quarte vais
Fig. 21-3-22
many other single liquid phase inclusions and secondary inclusion
are observed

| | Kinezal | 5110 | Volume | Form | Tom-e- | Melting | Maci |
|----------------|---------|---------------------------------------|--------|-------|--------|---------|-----------|
| Po | | | ratio | 1.0 | ratura | i Yesp | 1. F. |
| - 1 | | [[[[[[[[[[[[[[[[[[[| 7 (0) | 1 60 | (°C) | (C) | Vt (1) |
| 1 | Quertz | 55.Q | 13 | pa | 293 | 4.7 | . 7.45 |
| . 2 | Quarts | 10.0 | 7 1 | 70" | 296 | -0.8 | 7.39 |
| _ 3 | Quarts | 35.0 | 12 | (pa' | 295 | -4.9 | 7.73 |
| | Quarts | 7.5 | 10 | po | 296 | -4.8 | 7.59 |
| 5 | Quarts | 10.0 | 10 | | 291 | - | |
| 6 | guarte | c 2.5 | 5 | 9 | 301 | - | A service |
| 7 | Quarte | 30.4 | 13 | 00 | 276 | -3.1 | 2 5.0t |
| 8 | Quartz | 22.5 | 12 | 1er | 283 | .4.6 | 7.11 |
| 9 [°] | Quartz | 27.5 | 15 - | 90 | 293 | 3.6 | 8.68 |
| - 10 | Quartz | 25.0 | 12 | 150 | 288 | -6.1 | 9.34 |
| 11 | Quarts | 12.5 | 10. | *9 | 278 | -4.4 | 7.59 |
| 12 | Quartz | 5.6 | 1 10 | 0.0 | 281 | | - |
| 13 | Quarta | 5.0 | 10 | 90 | 275 | | - |
| 14 | Quartz | 5.0 | 10 | te | 292 | | 7 = |
| 15 | Querts | 27.5 | 1.2 | irc | 291 | 5. | 7.59 |
| 15 | Quarts | 15.0 | 10 | 153 | 2 8 9 | -4.6 | 7.11 |
| 17 | QUALTE | 10 6 | 10 | - 00 | 296 | 4.4 | 7.02 |
| 18 | Guertz | 12.5 | 10 | . po | 281 | - 6. 6 | 7.31 |
| 19 | Quarte | . 5,0 | 7 | 13 | 284 | _ | |
| 20 | QUALTE | 5.0 | 3.0 | P0 | 294 | | |
| | | 1 | | | | | T |
| | | | T | | | | |
| | | 1 | | | 1 | 1 | |

egiseg irritregular poigolygon squaguara tritriangle tuitube wgiwedge

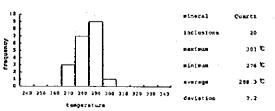


Figure 2-1 Plasuit of determination of homogenization temperature and satisfy of fluid inclusions (17/22)

mample prospect fock type reference fluid inclusions

Tyrsh
farecule
altered granodiocite
Fig. Ec-3-22
site of Vapar vary greatly and it soggests
boilling has occurred

| | Hineral | \$1z4 | VO3 uAs | Zoca. | Tempe- | Kalting | No.1 |
|------|---------|-------|----------|----------|--------|---------|----------|
| No. | | | ratio | | reture | 7 2.20 | |
| | l i | (#M) | 11. co l | <u> </u> | (0) | (C) | 92 (5) |
| | Quarts | 10.4 | 20 | P2 | 293 | 9.1 | 6.18 |
| 3 | Quares | 5.0 | 11 | pa | 264 | - | - |
| 3 | Quarts | 7.5 | 17 | P9 | 358 | 9.0 | 0.00 |
| . 4. | Questa | 1.3 | 3.9 | pq | 313 | 0.0 | 9.00 |
| , | Querca | 21.1 | 20 | ire | 303 | 0.2 | 0.35 |
| | DUALTE | 5.0 | . 30 | - 13 | 191 | -8,1 | 9.11 |
| 7 | Quarts | 12.5 | . 17. | | 248 | 8.9 | 0.00 |
| • | Querts | 5.0 | 3.6 | 8.5 | 314 | - | 7 |
| 9 | QUALTS | 7.5 | 1.5 | : pa | 270 | · • . 1 | - 0.10 |
| 10 | Quarts | 7.5 | 25 | po | 324 | 0.0 | 0.00 |
| 31 | QUAETE | 50.0 | 12 | pa | 274 | 0.0 | 0.00 |
| 12 | Quarte | 10.0 | - 15 | 00 | 300 | 9.0 | 9.04 |
| . 33 | Quarts | 37.5 | 1 | irr | 291 | -9.3 | 1.15 |
| 1+ | Quartz | 3 | 50 | •q | 344 | 0.0 | 9.90 |
| 15 | Quarte | | 17 | 00 | 304 | 8.0 | 0.00 |
| 16 | Quarte | 7.3 | 20 | PQ | 217 | | <u> </u> |
| 17 | Quarte | 19.0 | 10 | pş | 273 | -0.1 | 6.10 |
| 14 | Quarte | 5.0 | 12 | ę. | 227 | 0.0 | 0.00 |
| 13 | Quacte | 7.5 | 1) | P9 | 203 | 9.9 | 0.00 |
| 20 | Quartz | 7.5 | 12 | ρū | 293 | 40.k | 0,18 |
| | | | | | L | | <u> </u> |
| | | | L | | | L | |
| | | | | | | 1 | 1 |

agragg irreirregular pospolygon agraquare tritriangle turtube agraedge

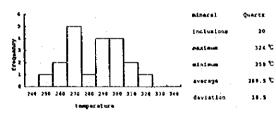


Figure 2-1 Result of determination of homogenization temperature and salinity of fluid inclusions (19/22)

sample prospect reference

TM105

Beseemer Fit hydrothermal biotite Fig.El-3-33

field inclusions

size of veger very greatly and it suggests builling has occurred

| 1 | Minerel | Size | Volume . | form. | Temp q | Meiting | MaCE |
|------|--------------|--|----------|--------------|--|-------------------|--------------|
| No | 3 | 1.0 | Estio | | ESTUTS | | |
| | 1 | (475) | f (1) | | (C) | (3) | VR (1) |
| 1 | Straus | 12.5 | 7 | Po | 1137 | - 20 . 9 | 22.98 |
| 2 | Quarts | 12.5 | 7 | 122 | 201 | -21.0 | 23.05 |
| 3 | Questa | 1.5 | 5 | 89 | 314 | | |
| 4. | Quartz | 2.5 | 5 | •9 | 116 | | |
| \$ | Quartz. | < 2.5 | 3 | •3 | 107 | | |
| 4 | Quarts | 7.5 | 7 | : pa | 198 | , - ,, | |
| 7 | Quartz | 10.0 | 7 | Pô | 204 | -30.9 | 22.98 |
| | Quartz | 30.0 | 3.0 | •9 | 204 | . | |
| 5 | Quarte | 30.0 | 16 | 20 | 207 | | |
| 18 1 | Quarte | 3.0 | 3 | 99 | 204 | - | |
| 11 | Quarta. | 15.0 | 7 | AFE | 313 | -19.4 | 22.10 |
| 13 | Quarta | 12.5 | 5 | 90 | 334 | -19.1 | 21.75 |
| 13 | Quarts | 10.0 | 5 | tr | 204 | -20.2 | 22.51 |
| 14 | Duartz | 3.0 | 3 | tr_ | 185 | | |
| 15 | Quarts | 5.0 | 3 | . 30 | 213 | - | |
| 16 | Quarts | 3.0 | \$ | - 00 | 209 | <u> </u> | |
| 19 | Quarts | 7.5 | , | рo | 213 | -20.3 | 22.58 |
| 10 | Quarts | 3.0 | , | 90 | 204 | - | |
| 15 | Quarta. | ₹ 2.3 |) | 19 | 301 | 1 - | <u> </u> |
| 29 | Quests | 5.0 | 7 | po | 114 | | |
| | | | + | | | | |
| | 1 | | | t - | _ | 1 | 1 |

eg:egg irr:irrequist po:polygon sq:square tr:txiangle tw:tube sq:sedge

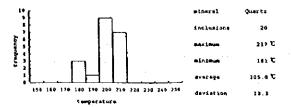


Figure 2.1 Pesuit of determination of homogenization temporature and satinity of Build inclusions (18/22)

saterance broadest emple

earpie syle
prospect deresie
rock type Sphida-Cp-ode
refurence Fig.11-3-3}
fluid inclusione are obesived

| | Minasal | \$129 | Volume | Form | Temps. | Malting | MOC 3 |
|----|-------------|----------|--------|-------|--------|-----------------|---------|
| Mo | 1 | | retio | 1,7 | EACHER | Temp | 1 . |
| | | [#m] | (5) | | (C) | (4) | WC (\$) |
| ı | Sphalegite | 7.5 | 5 | po | 213 | -1.9 | 0.11 |
| 2 | Sphalartte | 1. 7.5 | | . PO | >0) | -0.4 | 1.05 |
| > | Sphalarite | 5.0 | | •9_ | 204 | -0.3 | 0.35 |
| + | Sphalacita | 5.0 | 1 | e r | - 214 | | |
| \$ | Spheleste | 5.0 | | 22 | 533 | -0.4 | 0.71 |
| • | Sphalocite | 5.0 | | P9 | 20) | 0.2 | 0.33 |
| 3 | Schalarite | 1.1 | 111 | | 200 | | - |
| | Sphalerical | 2.5 | 1 | | 508 | <u> </u> | |
| • | Sphalerita | 7.5 | . 3 | 20 | 352 | - 2,2 | 0.35 |
| 10 | Sphalarica | 5.4 | 1 1 | 96 | 110 | <u> </u> | - |
| 11 | Sphalectte | 3.0 | 3 | . PO | 273 | - | · |
| 13 | Sphalerite | . 3.0 | 1 | te. | 249 | -0.5 | 0.88 |
| 13 | Sphalerite | 2.5 | 1 | 20 | 311 | | |
| 14 | Sphalerita | <: 2.5 · | | . 09. | 1 333 | <u> </u> | |
| 13 | Sphalerita | | 2 | 19 | 210 | | J |
| 16 | Sphalegite | 7.5 | | po | 241 | -0.4 | 0.71 |
| 17 | Sphalezite | 7.5 | 3 | 20 | 245 | -0.3 | 0.53 |
| 18 | Sphelerite | 5.0 | . 1 | | 233 | -0.4 | 0.71 |
| 19 | Sphalesta | 5.0 | 2 | ро | 219 | | |
| 20 | Sphalerite | 3.0 | 3 | po- | 2 12 | - 1. | · - |
| | 1 | | | | L | L | |
| | 1 | | T | | | L | |
| | 1 | | 1 | | 1 | | Ι |

eg:egg lfr:irregular po:polygon sq.square tr:trlangle tu:tobe wg:wedge

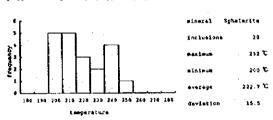


Figure 2-1 Result of determination of homogenization temperature and satinity of fluid inclusions (20/2 (20/22)

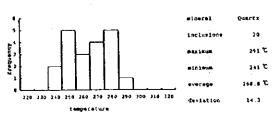
sample.

TK71

TM91
Mt. Bagacay
quarts vein float with sitered host cock
Fig. Rt.3-33
easy other lequid single phase inclusions are observed
packing down is also observed tock type
footstore
fluid inclusions

| | Miceral | Sire | Volume | Som | Temps - | Melting | NaCE |
|----|---------|---------|----------|-------|---------|--------------|--------|
| do | | 11000 | Eatto | 1 | reture | Teap | 1000 |
| | 2 J | (em) | (4) | 1 | (**) | (C) | Wt (8) |
| 1 | Quartz | 6,1,5 | 13 | pe | 257 | 12.3 | 10.84 |
| 2 | Quertz | 12.5 | 15 | 89 | 274 | 6.7 | 10,36 |
| 3 | Quarts | 10,0 | 1.5 | 93 | 269 | -72 | 10 72 |
| 4 | Quarts | \$ 32.5 | 1.5 | 90 | 266 | -15 | 10.73 |
| 3 | Quarts | 39.9 | 1.5 | 90 | 241 | -7.3 | 10-86 |
| - | Quarts | 35.9 | 19 | t a | 278 | -65 | 9.84 |
| 7 | Quarts. | 37.5 | 12 | 20 | 256 | -7.4 | 11.22 |
| | Quarts | 3.4 | 13 | tu | 278 | - | |
| • | Cuarts | 15.4 | , | pe | 241 | -49 | 10.36 |
| 10 | Quarte | 1 17.5 | 10 | 20 | 296 | -67 | 10.11 |
| 1) | Quarts | 27.5 | 5 1 12 · | - 120 | 235 | -7.3 | 10.05 |
| 12 | Quarti | 32.5 | 12 | 152 | 253 | -7.6 | 19.45 |
| 17 | Quartz | 17.5 | 12 | Po | 282 | -6.4 | 1.94 |
| 14 | Quarta | 20.0 | 19 | PĢ | 291 | -7 8 | .11.22 |
| 15 | Quartz | 13.9 | 12 | øg | 270 | -6.0 | 10 24 |
| 15 | Quarts | 20.0 | 10 | ire | 2110 | -1.6 | 9 9 8 |
| 17 | Quarts | 55.0 | 12 | fer | 213 | 1.1 | 10.73 |
| 10 | Quests | 11.5 | 10 | 20 | 247 | -6.8 | 1024 |
| 19 | Quarts | 5.0 | 19 | po. | 249 | J | L |
| 20 | Quests | 17.5 | 12 | po | 261 | -70 | 1349 |
| | | | | Ţ | | L | |
| | 1 | T | | 1 | | | |
| | 1 | 1 | | 1 | | 1 : | L |

irrirregular go:polygon sq:square tr:triangle tu:tube wg:wedge



()

()

Figure 2.1 Result of determination of homogenization temperature and satisfy of fluid inclusions (21/2)

)

| | | TK55 | | | | | |
|-----------------|-------------|--------------|-----------------------------|-------|-------------|-------------|---------|
| inple rospec | | Mt. Bagacay | | | | | |
| | | quarte velo | | | | | |
| ck ty | | fig II-)-3: | | | | | |
| 10582 | | | | | | | |
| 1014 1 | no luston e | | yaa occurra ar aara gree | | te moddente | | |
| | | witting | nam occults | | i felicie | | |
| | | , | | | | | |
| | Leteutel | 51;4 | A 25 And | Post | Tenga- | Malting | Ød€ L |
| #a | ŀ | Į. | Eatlo | | > Leginza | | 1 . |
| | ļ | (p m) | \perp ω | | 10) | (6) | Vt. 111 |
| 1 | Gratt | 15.4 | 1 10 1 | . P9 | 265 | -1.5 | 7.31 |
| _ 2 | Quart L | 11.5 | 1 10 1 | tre | 311 | | 4.14 |
| | Quarte | 47.5 | 1 11 1 | 0.0 | 244 | -3.1 | 4.61 |
| 4 | Quarte | 37.5 | 132 | irr | 263 | 4.6 | 2.31 |
| 5 | Quacts | 22.5 | 12 | | 1 : 213 | -4.9 | 10.35 |
| • | Querte | 7.5 | 10 | po | 275 | | |
| , | QUALET | 5.0 | 10. 1 | Do | 272 | | |
| | QUALER | 37,5 | 13 | Po. | 279 | -5.4 | 8.60 |
| • | Quartz | 12.5 | 19 | po | 274 | ÷ 1 | - |
| \$0 | Quart z | 17.5 | 10 | irr | 264 | | ~- |
| 11 | Quarts | 25.4 | 15 | 1.54 | 279 | -5.7 | 8.92 |
| 12 | Quarts | 20.0 | 12 | · tet | 271 | 3.9 | 9.06 |
| 1) | Quacta | 10.6 | T 12 T | •4 | 273 | | |
| 14 | QUALTE | 11.5 | 10 | pq | 247 | 3.3 | 8.34 |
| 15 | Quarte | 22.5 | 10 | . 29 | 364 | 5.1 | 9.34 |
| 14 | Quartz | 37.5 | 12 | · ire | 232 | -5.3 | 9.20 |
| 17 | Quarts | 17.3 | 12 | PQ | 279 | -4.2 | 6.14 |
| 10 | Quaces | 17.5 | 14 | | 291 | -1.3 | 7-17 |
| 19 | Querts. | 12.5 | 10 | po | 284 | -4.3 | 6.74 |
| 20 | Quartz | 10.0 | 10 | po | 285 | - | - |
| | | 1 | 1 | | 1 | T | |
| | | | | | T | | + |

egiegg irrifcregular poipolygon equequare tritriangle turbube egiegge

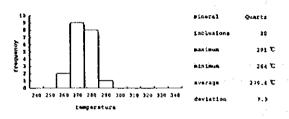


Figure 2-1 Result of determination of homogenization temperature and salinity of fluid inclusions (22-2)

sample SM13
prospect Mt. Culash
such type sllicified rock first
ceterance Fig. (1.1-3-3)
fluid inclusions despite single phase inclusions are despited
suitable inclusions for observation are fee because of size

| | Hinerel | 5129 | Yolune | Corn | Tempe - | Maising | MaCI |
|------|--------------|--------------|--|--------|-------------|--------------|--------------|
| Νə | 1 | ì | rutio | | rature | | |
| | L | (µm) | (1) | | 16) | (0) | Vt (95 |
| 1 | Quarta | 7.7 | | · ро | 145 | 1 | 0.18 |
| . 2 | Quarte | | | po | 111 | | |
| _1_ | Quarte | 3.0 | 1 3 1 | po | 111 | -0.2 | 0.35 |
| 1 | Quarte | 3.0 | 5 | 29 | 102 | 0.0 | 0.04 |
| | Quartz | 2.5 | 1 | 99 | 122 | | |
| 6 | Quarte | ₹.5 | i | E g | 126 | - | |
| 7 | Quarts | < 2.5 | 3 | 0.9 | 157 | | |
| \$ | Quarts | 2.5 | | . : po | 124 | _ | - |
| ٠, | Çuarta | 5.0 | 3 | ро | 132 | 6.6 | 0.00 |
| 10 | Quacta: | 5 0 | 1 | P) | 120 | -0.1 | 0.14 |
| . 13 | Quarts | 5.0 | | po | 116 | -0.1 | 5.10 |
| 12 | guarte | € 2.5 | 3 1 | øg | 135 | _ | ~ |
| 17 | Quarte | C 2.5 | ₹ 2 | 49 | 111 | | _ |
| | The follow | ing space I | eft blank | | | | |
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egiegg izritzregular poipolygon squequare tritriangle tuitube wgiwedge

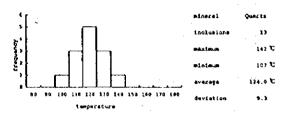
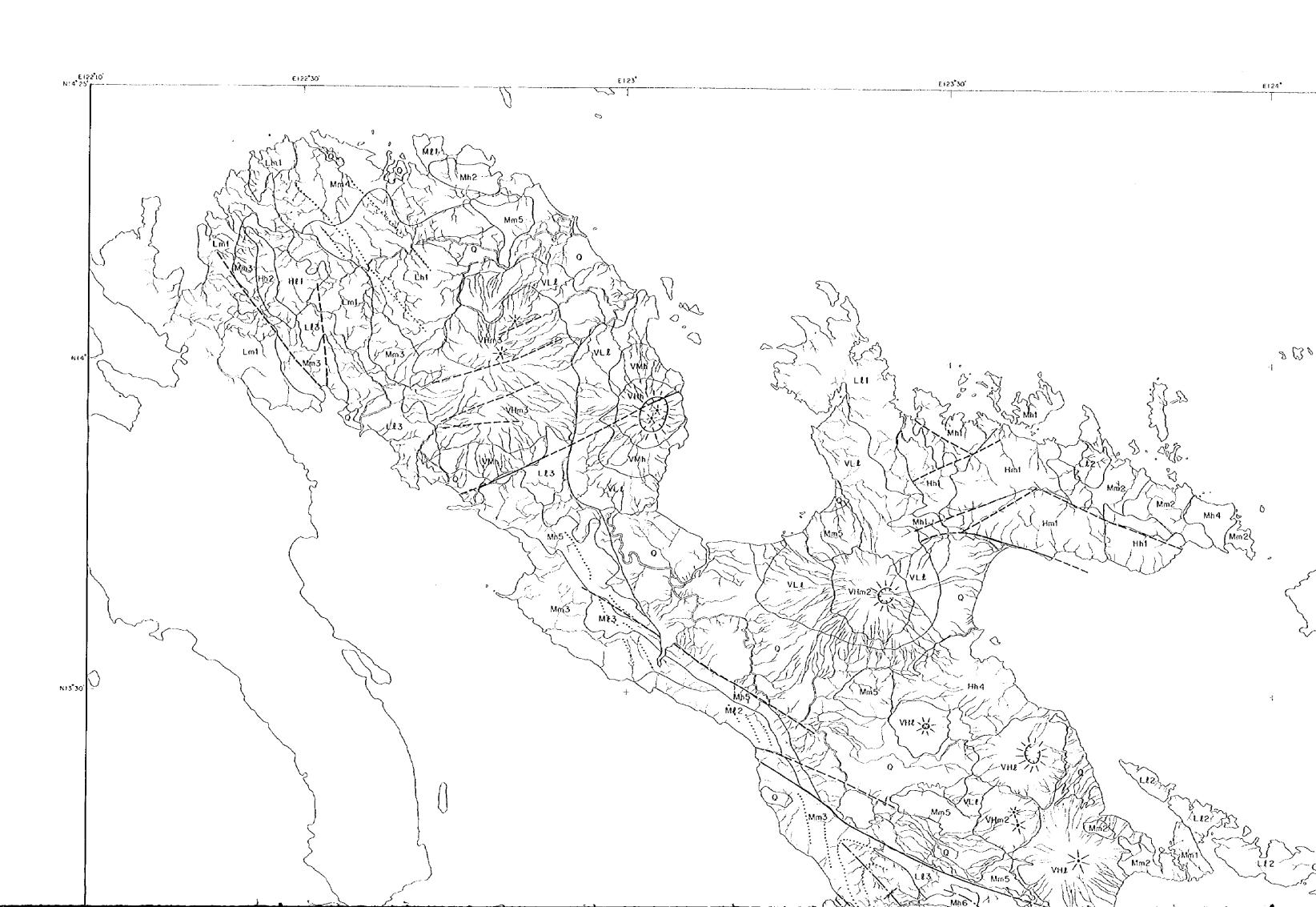
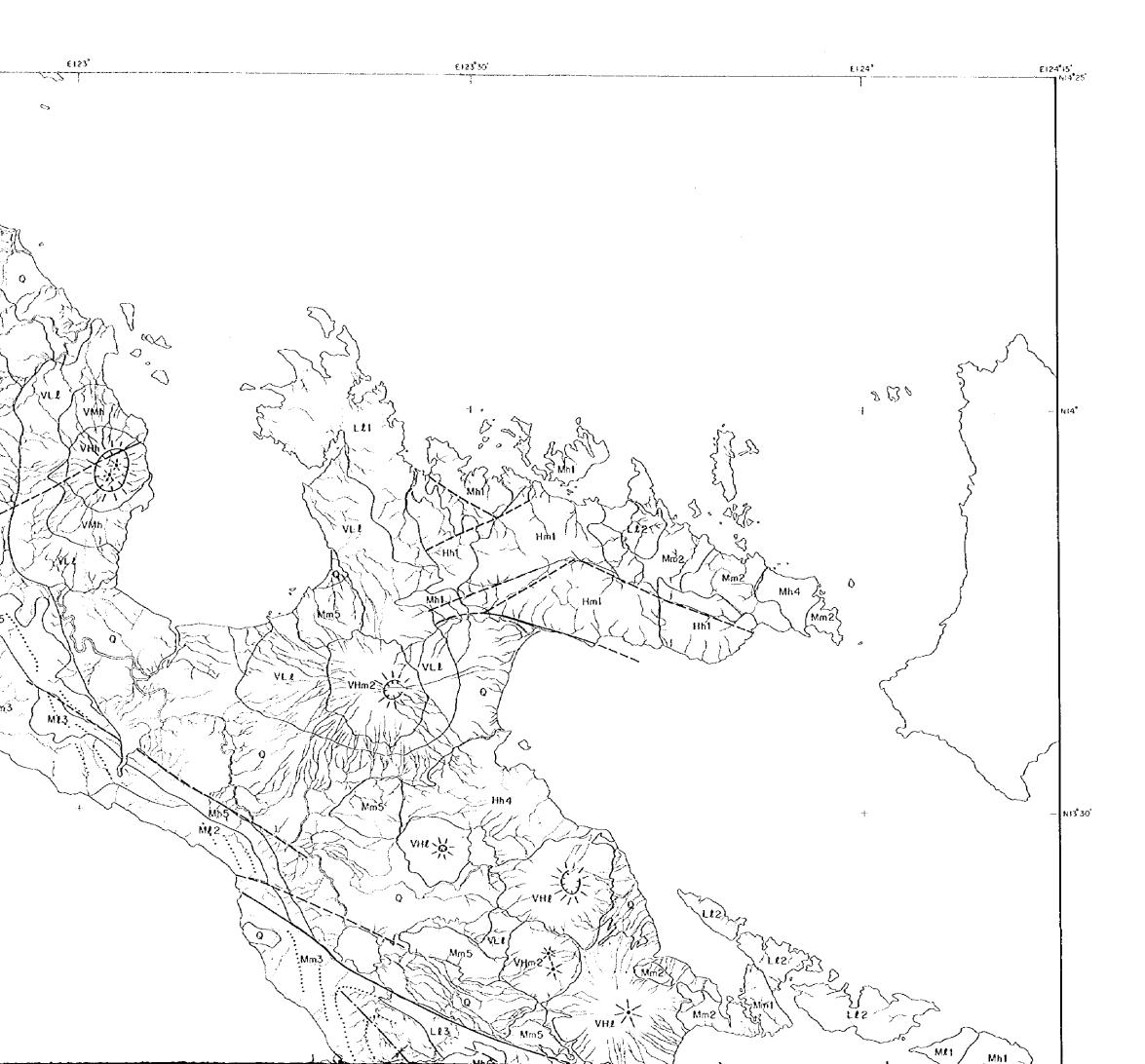


Table 4-1 Abbreviation of minerals

| Adu | Aduralia | Hem | Hematite |
|------|--------------|------|---------------|
| Alu | Alunite | Hbl | Hornblend |
| Ang | Anglesite | 111 | Illite |
| Ank | Ankerite | Jam- | Jamesonite |
| Anh | Anhydrite | Jar | Jarosite |
| Ap | Apatite | Kln | Kaolinite |
| Arg | Argentite | Kfs | K-Feldsper |
| Apy | Arsenopyrite | Lm | Limonite |
| Ata: | Atacamite | Ma | Malachite |
| Azu | Azurite | Mag | Magnetite |
| Brt | Barite | Mar | Marcasite |
| Bt | Biotie | Мо | Molybdenite |
| Bis | Bismuthinite | Ms | Muscobite |
| Bn | Bornite | Op | Opa1 |
| Bol | Boulangerite | 01 | Olivine |
| Bor | Bournonite | Phos | Phosphate |
| Bro | Brochantite | Pl | Plagioclase |
| Cal | Calcite | Psi | Psilomelane |
| Car | Carbonate | Px | Pyroxine |
| Cst | Cassiterite | Py | Pyrite |
| Cc . | Chalcocite | Po | Pyrrhotite |
| Ce | Cerssite | Pyg | Pyragyrite |
| Cer | Cervantite | Pyro | Pyrolusite |
| Chl | Chlorite | Qtz | Quartz |
| Cov | Covelline | Rds | Rhodochrosite |
| Ccp | Chalcopyrite | Sch | Scheelite |
| Ccl | Crysocolla | Ser | |
| Crs | Cristobarite | Sd | Siderite |
| Crp | Cryptomelane | Smc | Smectite |
| Cup | Cuprite | Smi | Smithsonite |
| Dg | Digenite | Spc | Specularite |
| Dol | Dolomite | Sp | · |
| El | Electrum | Stb | Stibnite |
| Ena | Enargite | Tnt | Tenantite |
| Ep | Epidote | Tth | |
| Fl | Fluorite | Tnr | Tenorite |
| Fre | Freibergite | Tor | |
| Gn | Galena | Ur | Uraninite |
| Gt | Goethite | Wlf | Wolframite |
| Gp | Gypsum | | |
| - | | | |





REGIONAL SURVEY FOR MINERAL RESOURCES THE BICOL AREA THE REPUBLIC OF THE PHILIPPINES

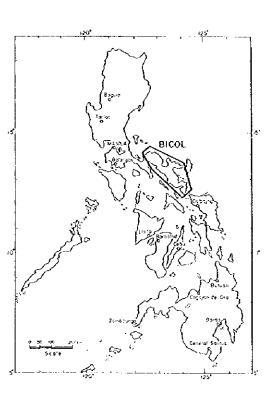
(PHASE I)

Fig. II-2-6 Geological units distribution from Landsat-TM/JERS-1 data analysis

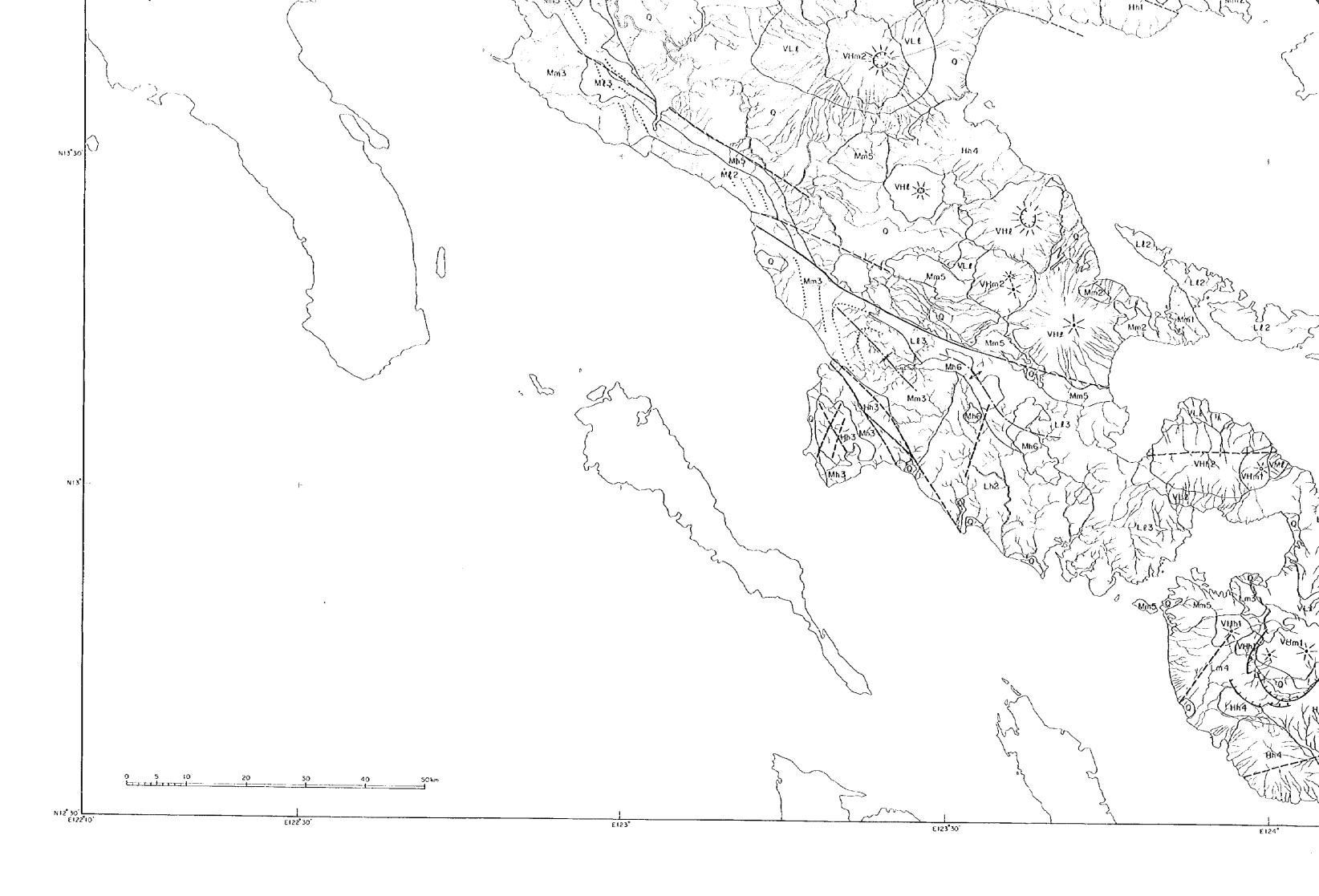
FEBRUARY 1998 JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN

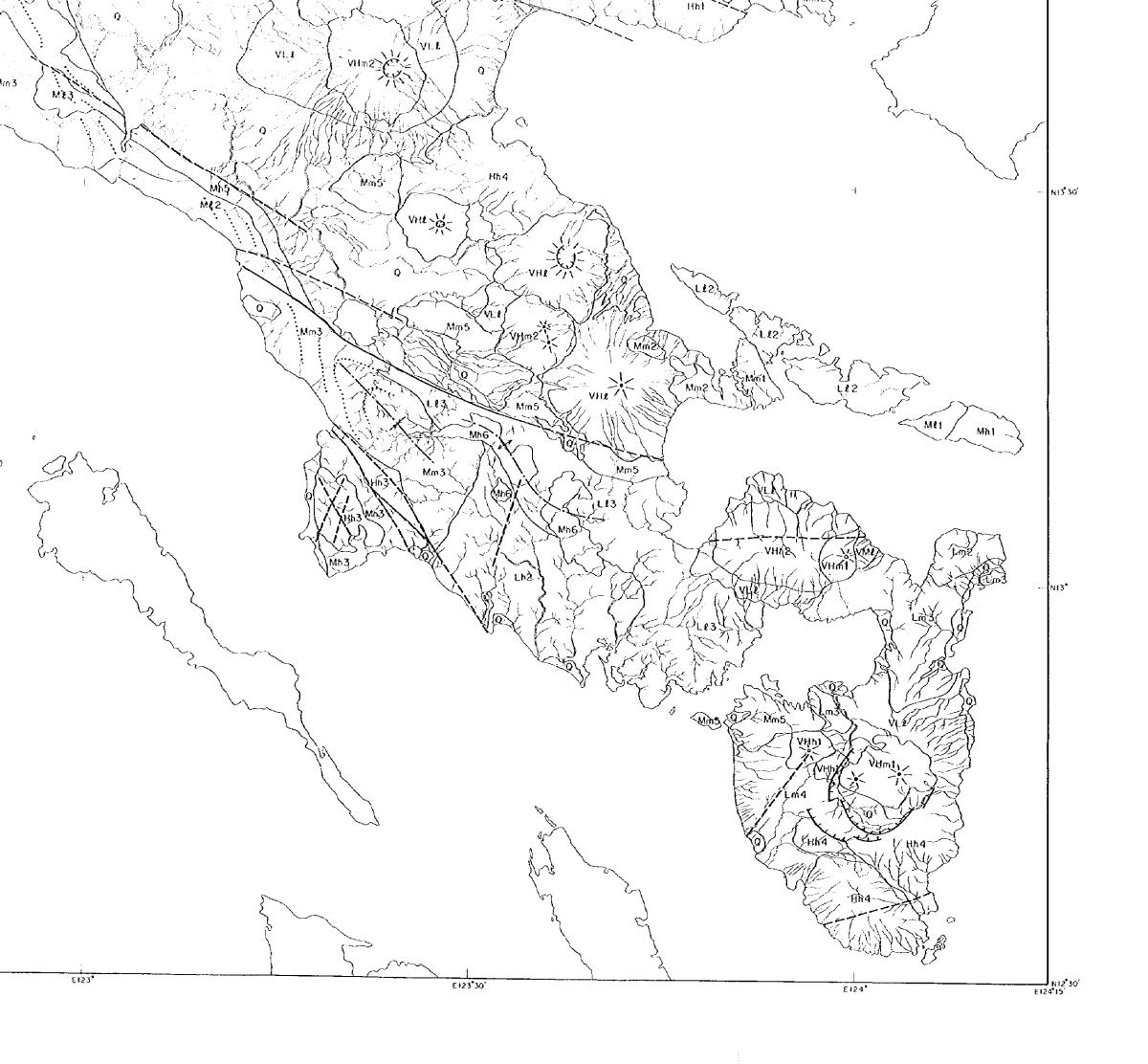
Data of satellite imagery

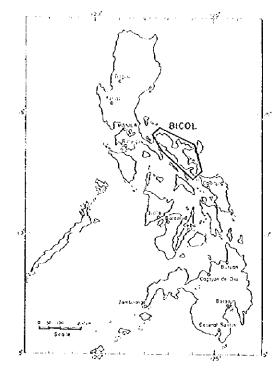
| | 3., | | | | | | | |
|------|----------|------------|----------|-------------------|-----------|----------|----------------------|--|
| LAND | | | Sce. | ne c enter | Sunt | ight | Quantity of cloud | |
| path | 10W | date | latitude | longitude | elevation | nzimuth | Q1 Q2 Q3 Q4 | |
| 114 | 050 | 05/03/1992 | 13:29:46 | 123:39:20 | 58 66 | 82.32 | 20 10 10 10 | |
| 114 | 051 | 04/071994 | 13:14:47 | 123:38:54 | 55.24 | 98.00 | 10 10 10 10 | |
| 115 | 050 | 02/14/1990 | 13.59:36 | 122:13:30 | 44.15 | 125.12 | 40 10 10 0 | |
| 115 | 051 | 04/19/1996 | 13:41.49 | | 54.36 | 90 34 | 10 02010 | |
| ÆRS- | 1/SAR | | Scei | ne center | Sunti | L | Quantity of | |
| path | ION | date | latitude | fongitude | elecation | a. smuor | Cloud Q1 Q2 Q3 Q4 | |
| 083 | 278 | 12/09/1996 | 13 28 | 124:09 | | | | |
| 083 | 279 | 12/09/1996 | 12:52 | 124 02 | | | | |
| 083 | 280 | 12/09/1996 | 12:16 | 123:55 | | | | |
| 084 | 277 | 12/10/1996 | 14.04 | 123:43 | | | | |
| 084 | 278 | 12/10/1996 | 13 28 | 123:36 | | | | |
| 084 | 279 | 12/10/1996 | 12.52 | 123 29 | | | | |
| 085 | 277 | 12/11/1996 | 14.04 | 123:10 | | | | |
| 085 | 278 | 12/11/1996 | 13:28 | 123.03 | | | | |
| 085 | 279 | 12/11/1996 | 12 52 | 122.56 | | | | |
| 086 | 277 | 07/03/1995 | 14.04 | 122.38 | | : | | |
| 086 | 278 | 07/03/1995 | 13-28 | 122 31 | | | | |
| 087 | 276 | 12/13/1996 | 14.39 | 122.11 | | | | |
| 087 | 277 | 12/13/1996 | 14.04 | 122.01 | | – | | |
| | <u> </u> | 1 | 1.04 | 122.U1 | | | | |











Legend

O Boundary of geologic unit C Circular structure Hm1 Geologic Unit

Volcanic center

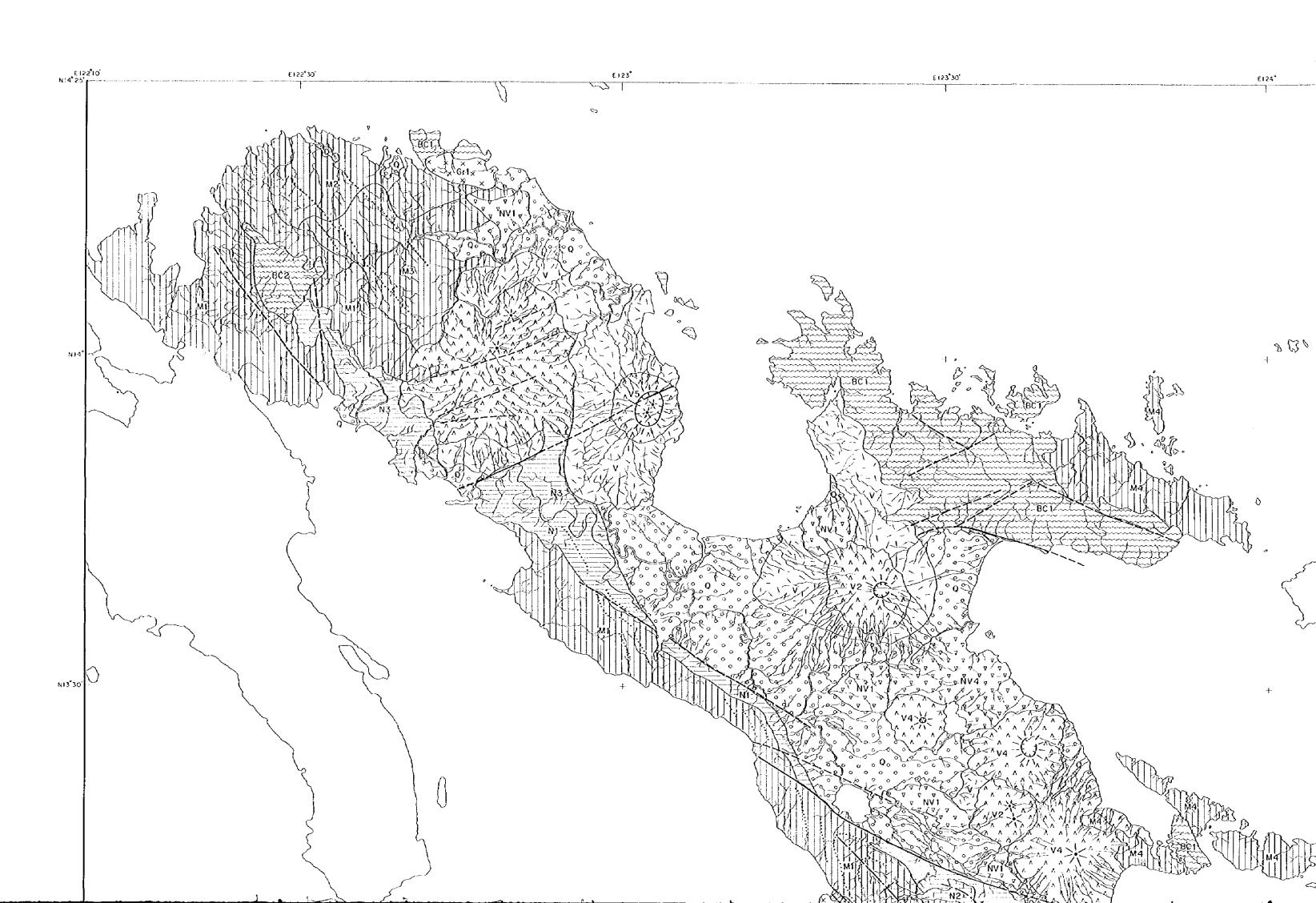
Drainage

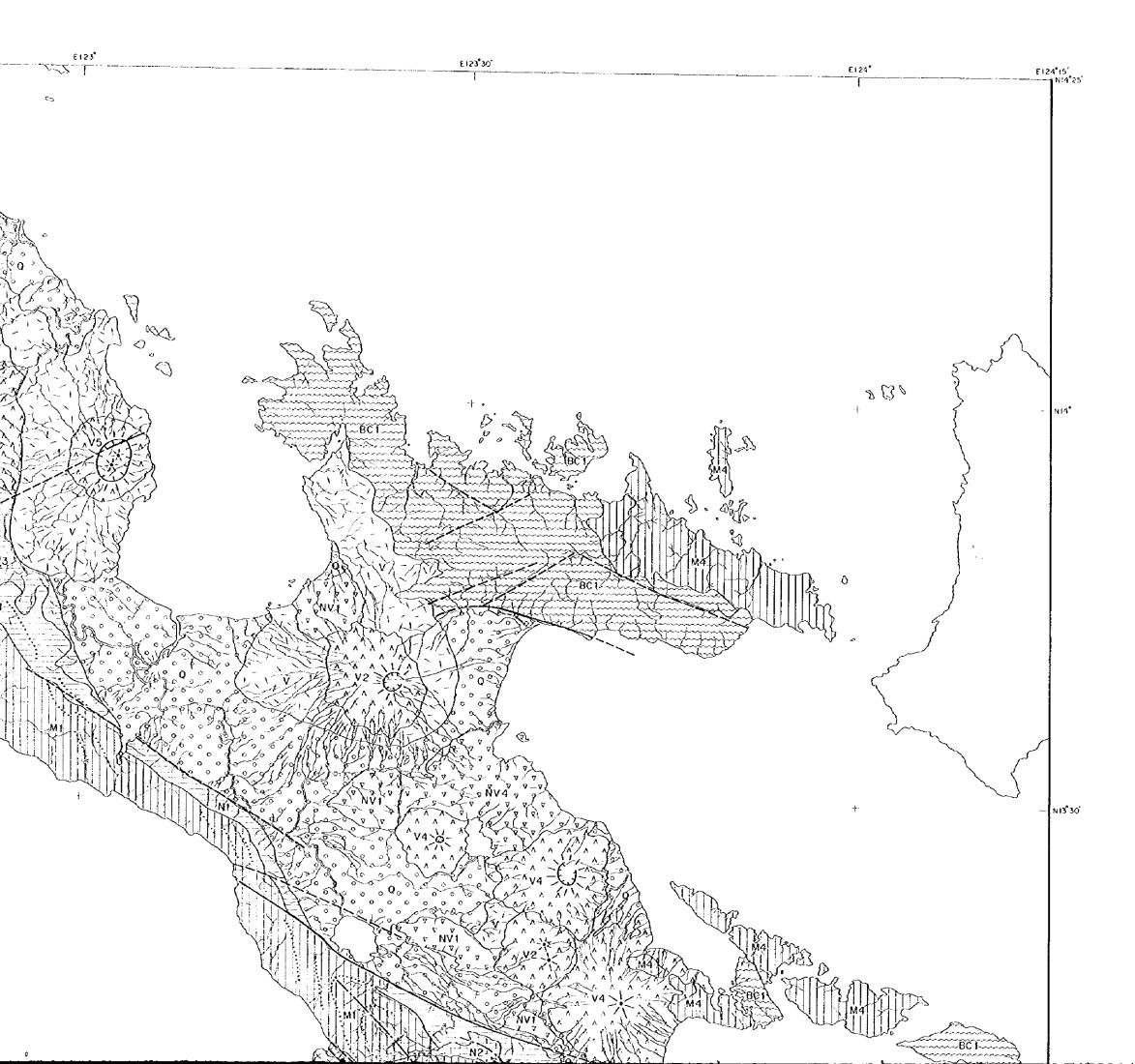
Fault and inferred fault

Trace of bedding

Anticline

Syncline





REGIONAL SURVEY FOR MINERAL RESOURCES

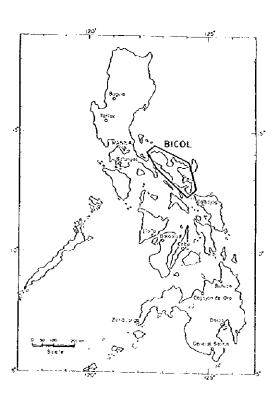
IN THE BICOL AREA THE REPUBLIC OF THE PHILIPPINES (PHASE I)

Fig. II-2-7 Interpreted geological map based on Landsat-TM/JERS-1 image analysis

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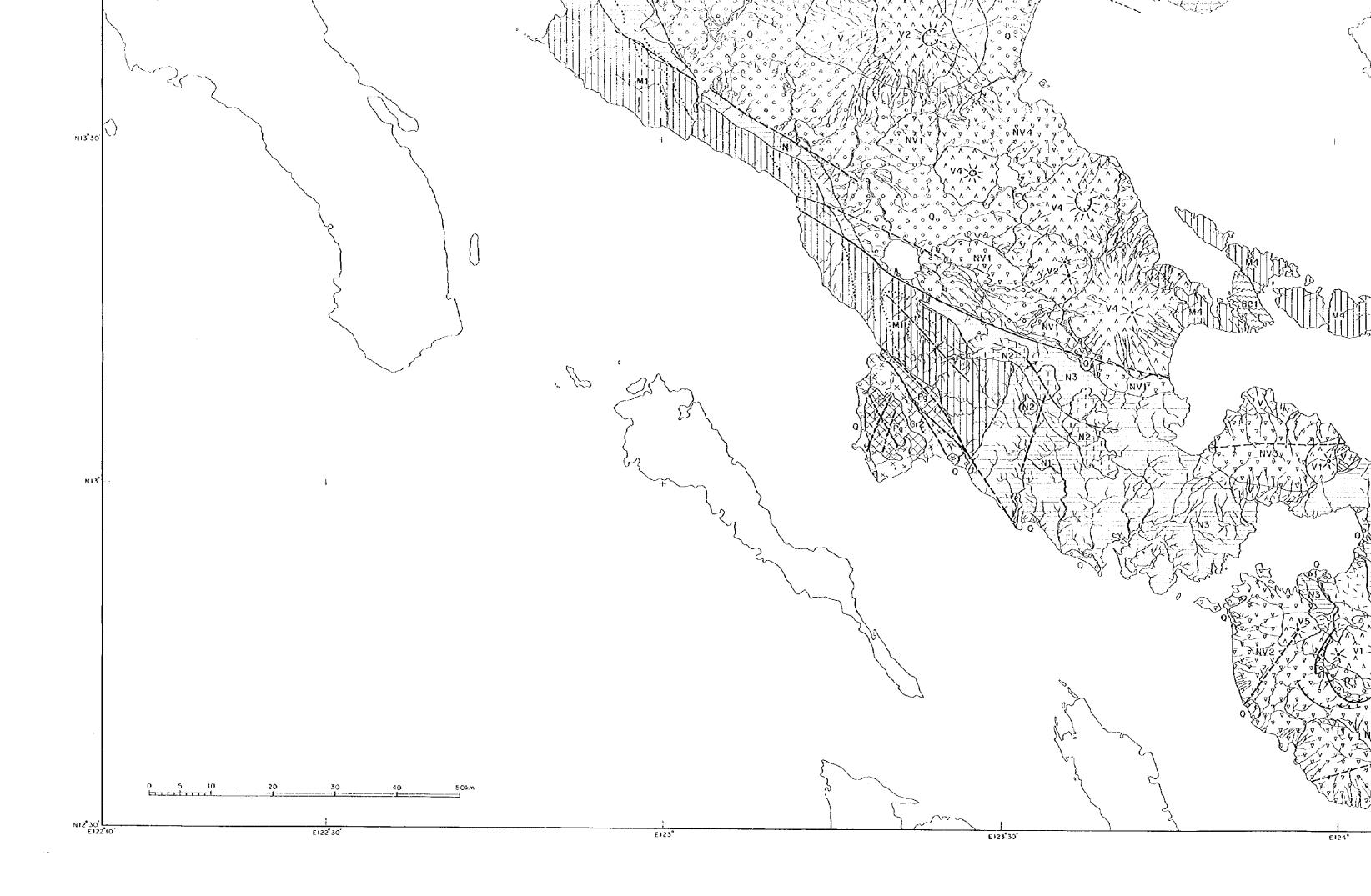
Data of satellite imagery

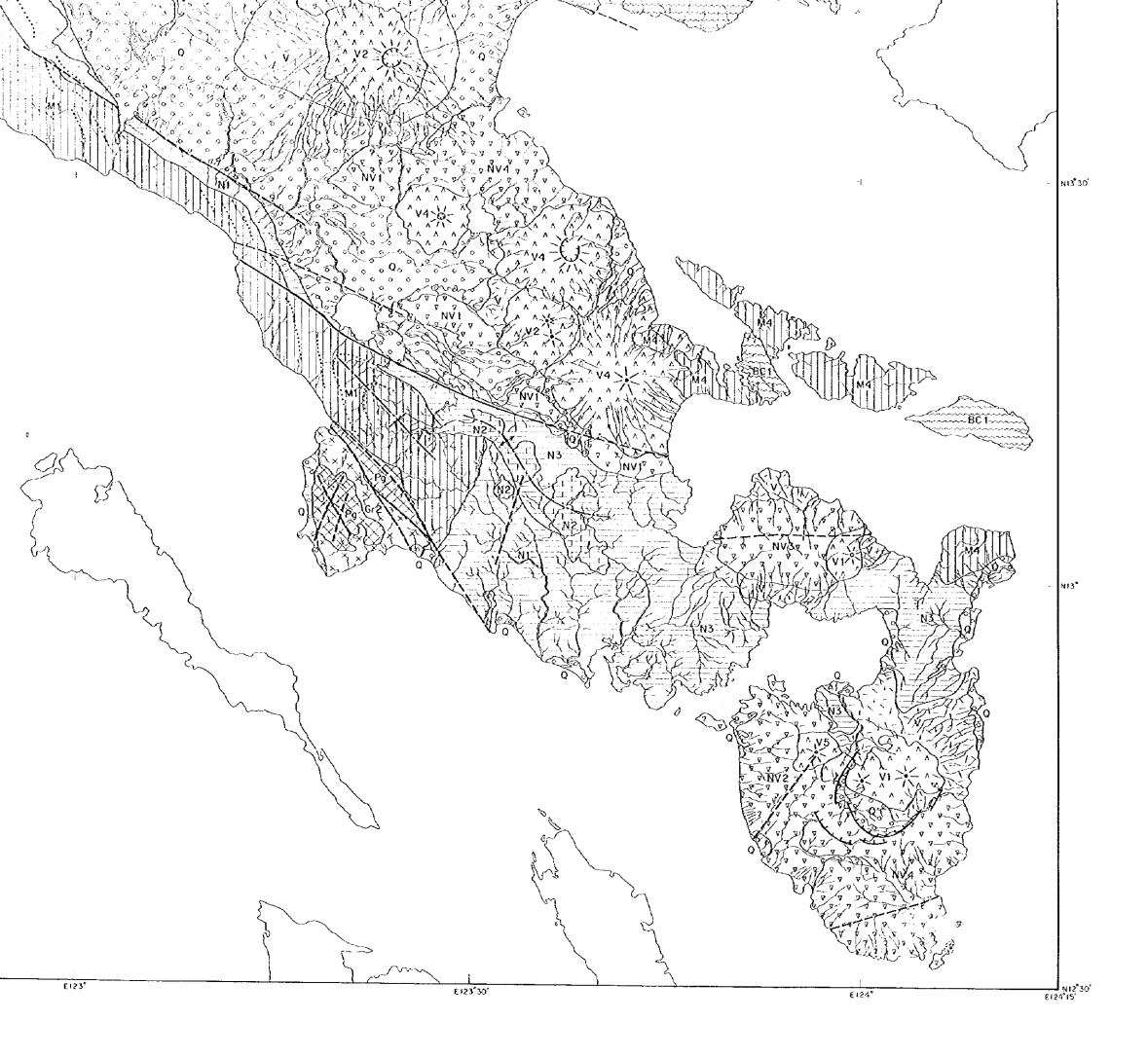
| | | | | a or saleline or | rogery | | |
|-------|-----------|-------------|----------|------------------|-----------|----------|-------------------|
| Ţ | SAT- M | | Sce | Scene center | | ight - | Quantity of cloud |
| path | 10W | date | latitude | longitude | Biovation | azimuth | 0:02030 |
| 114 | 050 | 05/03/1992 | 13:29:46 | 123:39:20 | 58.66 | 82 32 | 20 10 10 10 |
| 114 | 051 | 04/071994 | 13:14:47 | 123 38 54 | 55.24 | 98 00 | 10 10 10 10 |
| 115 | 050 | 02/14/1990 | 13:59:36 | 122.13 30 | 44.15 | 125 12 | 40 10 10 0 |
| 115 | 051 | 04/19/1996 | 13.44:49 | | 54.36 | 90 34 | 10 02010 |
| JERS: | I/SAR | | Scer | ne center | Sunt | | |
| | | | | | 3000 | yen. | Quantity of cloud |
| path | 1014 | date | latitude | longitude | efevation | azioneth | Q1 05 Q3 Q |
| 083 | 278 | 12/09/1996 | 13 28 | 124.09 | | | |
| 083 | 279 | 12/09/1996 | 12 52 | 124.02 | | : | |
| 083 | 280 | 12/09/1996 | 12.16 | 123.55 | | | |
| 034 | 277 | 12/10/1996 | 14 04 | 123:43 | | | - ' |
| 034 | 278 | 12/10/1996 | 13.28 | 123 36 | | | |
| 034 | 279 | 12/10/1996 | 12:52 | 123:29 | | | |
| 065 | 277 | 12/11/1996 | 14:04 | 128:10 | | | |
| 065 | 278 | 12/11/1996 | 13:28 | 123.03 | | | |
| 085 | 279 | 12/11/1996 | 12:52 | 122 56 | | | |
| 086 | 277 | 07/03/1995 | 14.04 | | | | |
| 086 | 278 | 07/03/1995 | 13 28 | 122 38 | | | |
| 087 | 276 | 12/13/1996 | 14:39 | 122:31 | | | |
| 087 | | | L | 122.11 | | ·· | |
| 087 | 277 | 12/13/1996 | 14 04 | 122 04 | | · | |

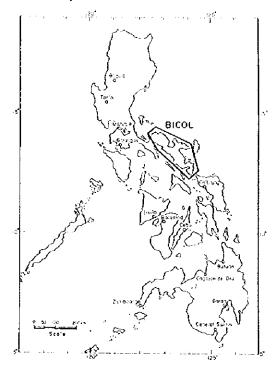


Legend









Legend

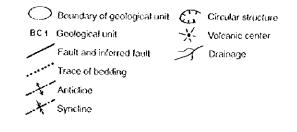
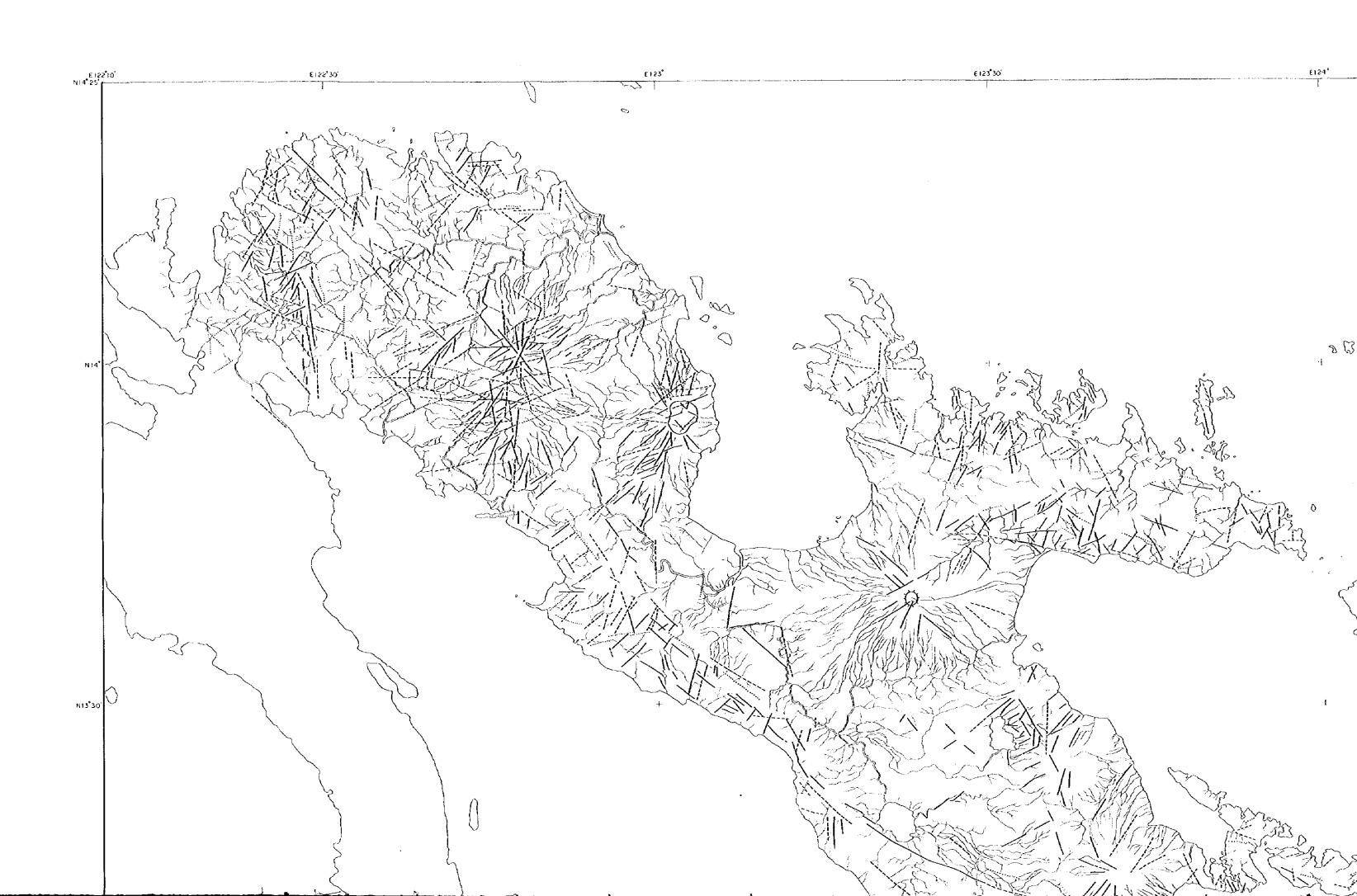


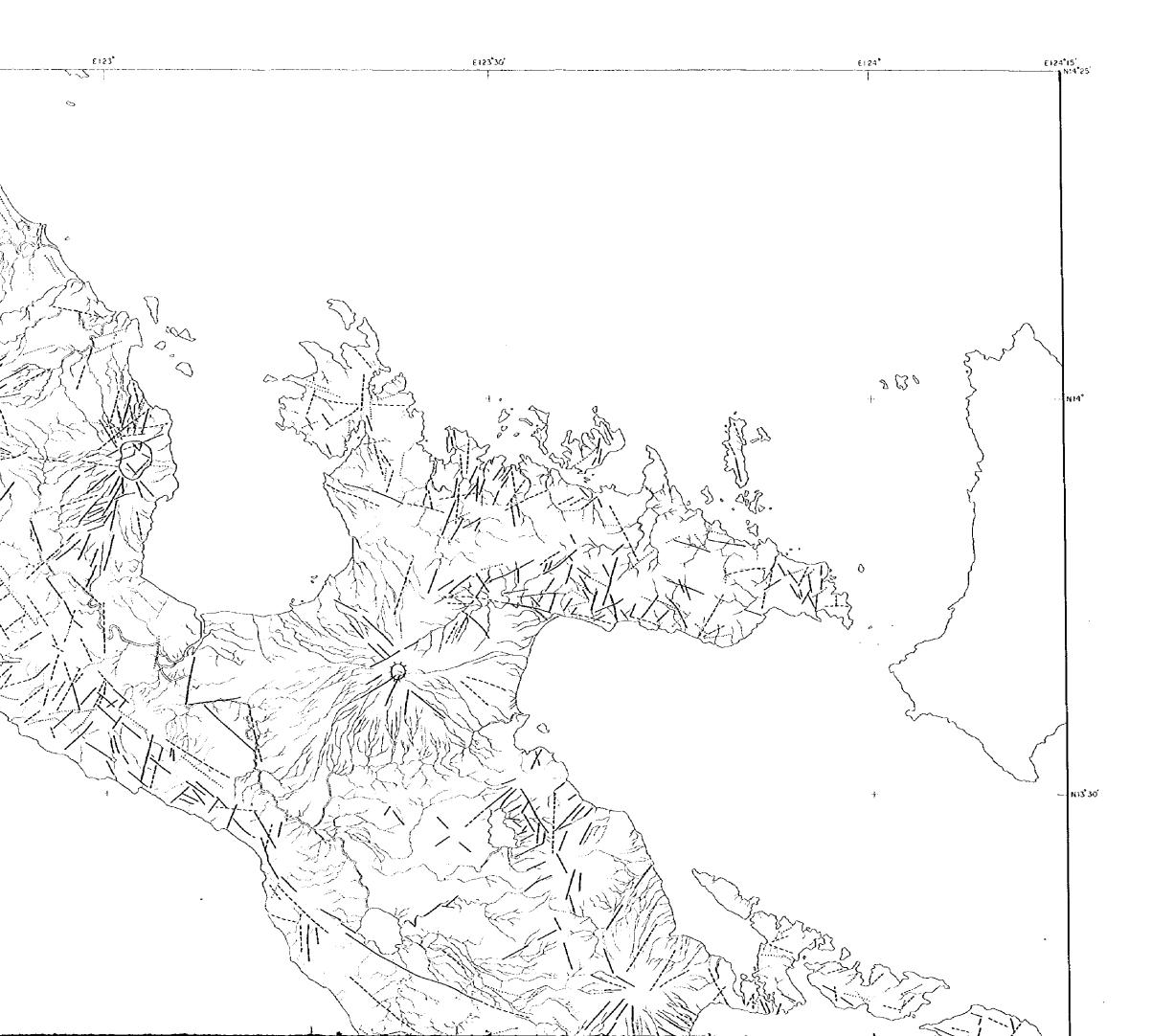
Table II-2-3 Correlation between satellite imagery unit and geologic unit

| image | rry unit | geolog | gic unit | geology and lithology suggeste by comprehensive interpretatio | |
|---------|----------|----------|----------|--|--|
| | 9 | (| Q | Quaternary and/or allubium | |
| LI3 | Lni3 | N3 | | Phocene to Pteistocone | |
| M. | 1:6 | H2 N1 | | sedimentary rocks | |
| Lh2 | Mb15 | | | with coralling limestone | |
| Lm1 | U2 | | [| | |
| 1.512 | Lm2 | 631 | 134 | | |
| N83 | Min4 | | | Miscene sedimentary rocks | |
| Mor3 | Mm2 | | [| ' | |
| N3 | π4 | V65 | | ·- | |
| ٤ | ht. | h. | i3 | -1 | |
| 14 | No. | Pg | | Patengene sedimentary rocks | |
| f Its 1 | Mhs | | | | |
| Himi | NS 1 | E4 | C1 | pre-Tertiary and | |
| LI1 | Mm1 | | | ultrabasic rocks | |
| HP5 | 161 | B(| 32 | -1 | |
| | | | | · · · · · · · · · · · · · · · · · · · | |
| Vil | m1 | V | 1 | | |
| VHI | m2 | V2 | | 1 | |
| VIH | я 3 | V | 3 | Ottafernasy volcasie rocks | |
| | ti i | | | -1 | |

| | V2 | Գևո2 | VHI |
|----------------------------|-----|--------|-----|
| Otrafernacy volcanie rocks | V3 | Hin3 | VIH |
| , | V4 | V1 fi | VI |
| | VS | 7 IN 1 | VH |
| voicaniclastic rocks | v | Vist | VU |
| | NVI | 54-5 | |
| Tertiary volcanic rocks | NV2 | Lm4 | Lin |
| | NV3 | VHII:2 | |
| | NV4 | liha | 137 |

| Stiff | G/1 | Intrusive body of Granitic rocks |
|--------|-----|----------------------------------|
| | | |
| f.#i+3 | Gr2 | |





REGIONAL SURVEY FOR MINERAL RESOURCES

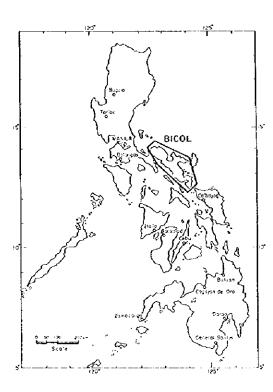
IN THE BICOL AREA THE REPUBLIC OF THE PHILIPPINES (PHASE I)

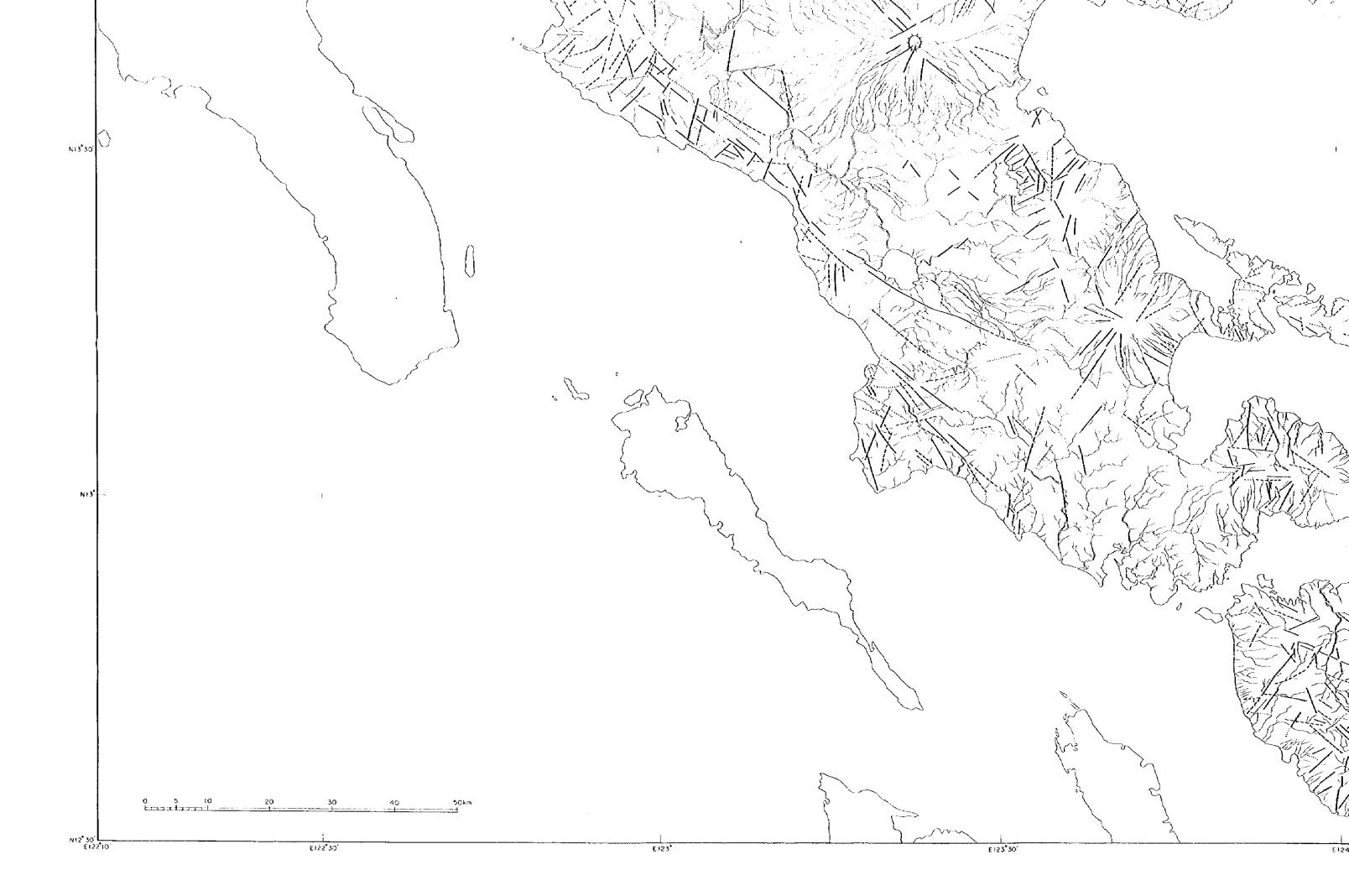
Fig. II-2-8 Distribution map of lineaments from Landsat-TM image analysis

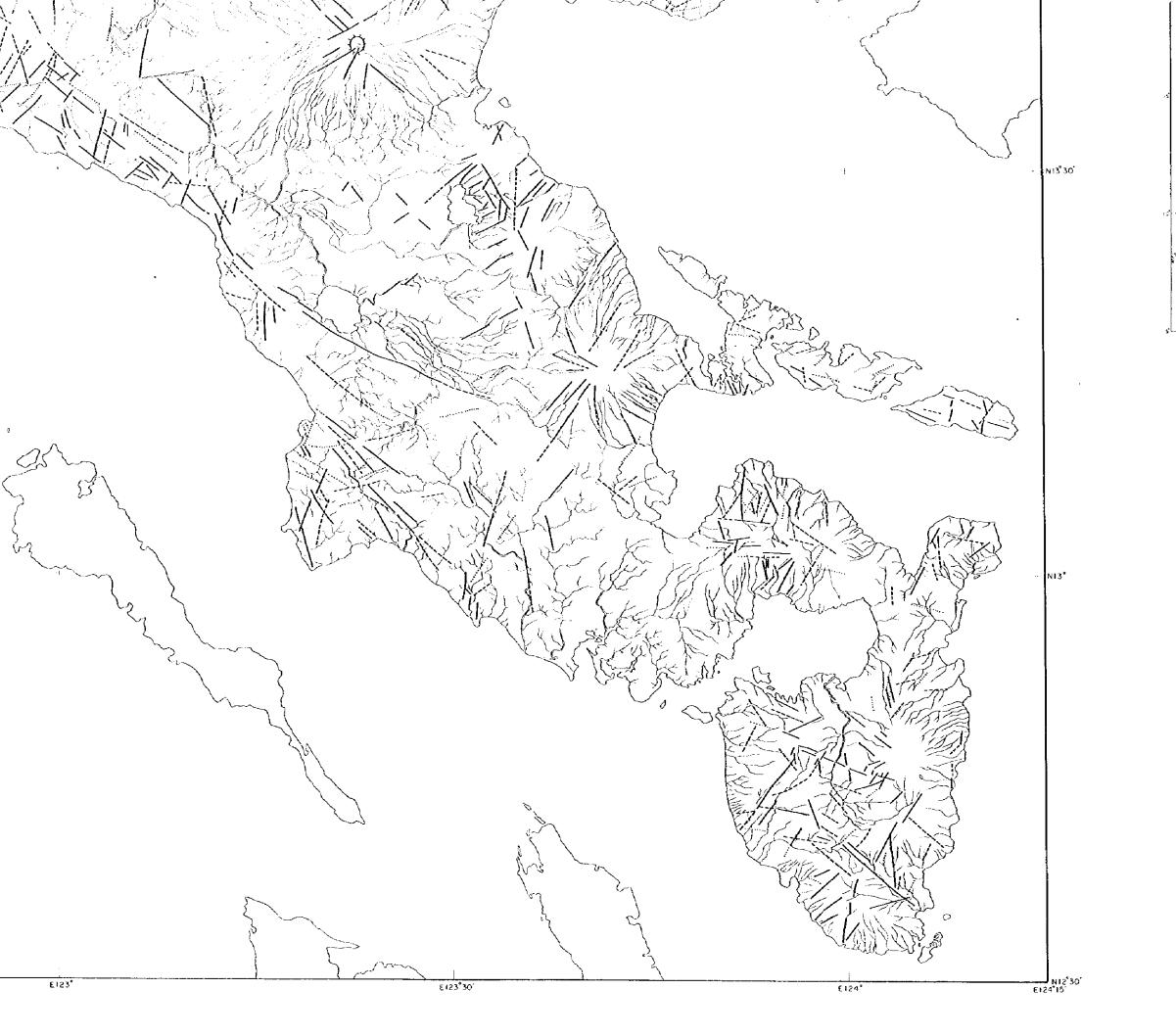
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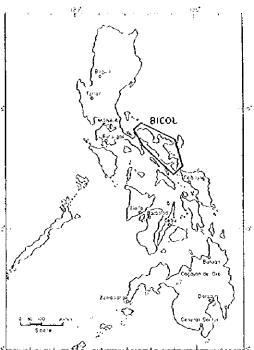
Data of satellite imagery

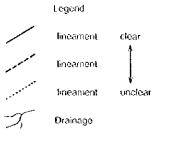
| | | | | | • | | |
|----------------|------|------------|--------------|-----------|------------|----------|-------------------|
| LANDSAT- 1M | | | Scene center | | Sunlight | | Quantity of cloud |
| palh | 1014 | date | latitude | longitude | olev stion | azımuttı | Q1 Q2 Q3 Q4 |
| 114 | 050 | 05/03/1992 | 13:29:46 | 123 39 20 | 58 66 | 95.35 | 20 10 10 10 |
| 114 | 051 | 04/071994 | 13.14.47 | 123.38:54 | 55.24 | 98.00 | 10 10 10 10 |
| 115 | 050 | 02/14/1990 | 13 59:36 | 122:13:30 | 44.15 | 125.12 | 40 10 10 0 |
| 115 | 051 | 04/19/1996 | 13.44:49 | 122:13:20 | 5136 | 90 34 | 10 0 20 10 |

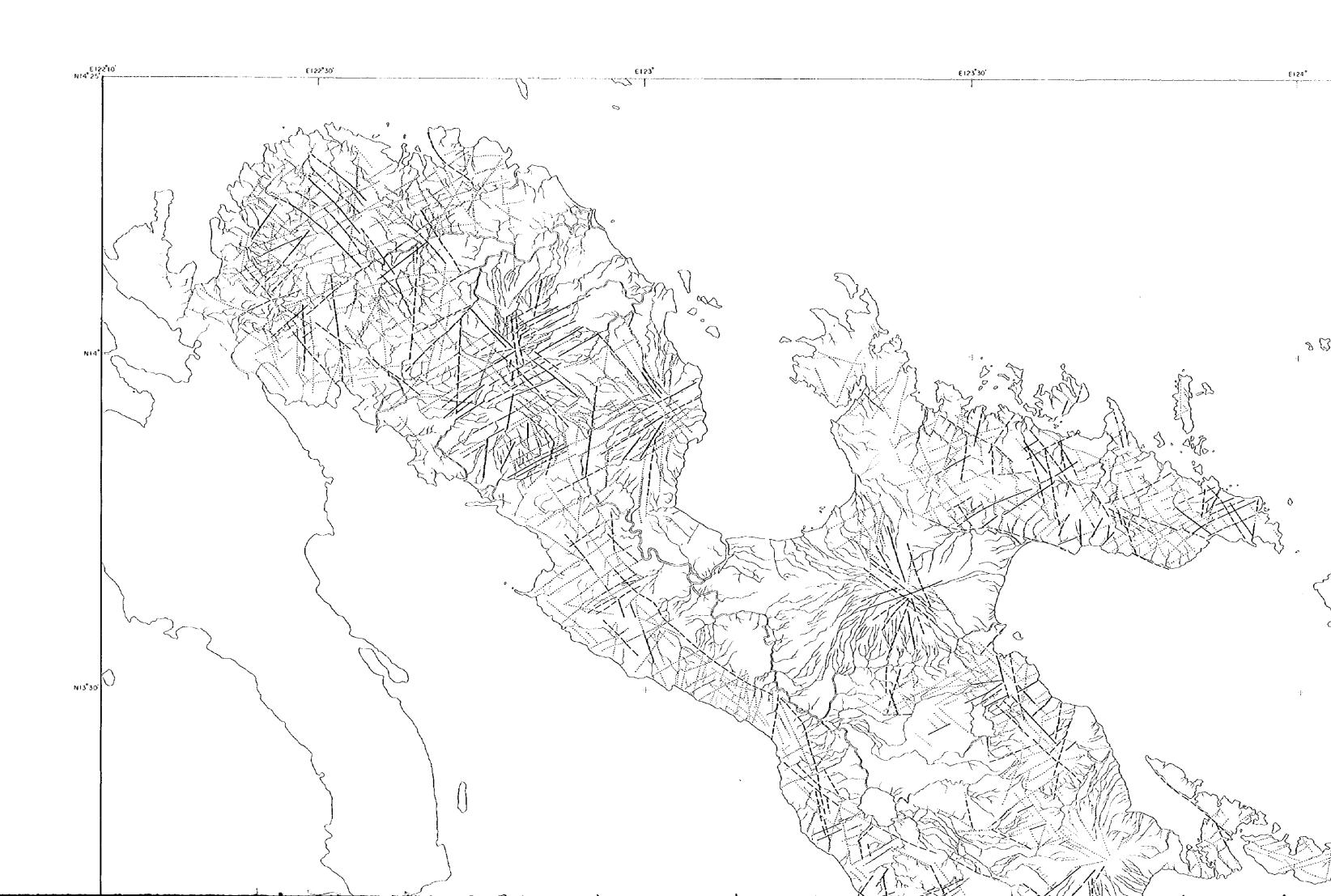


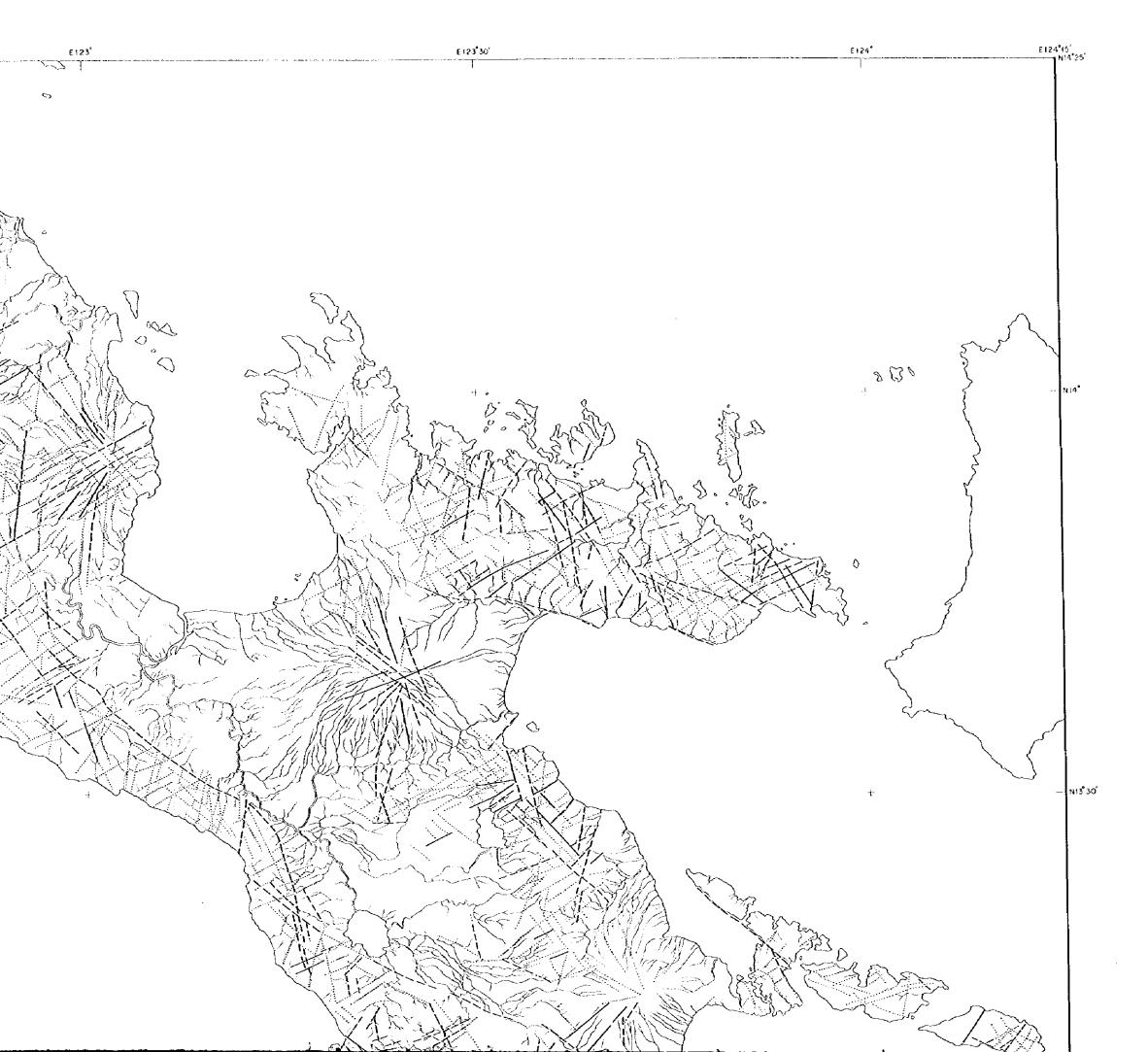










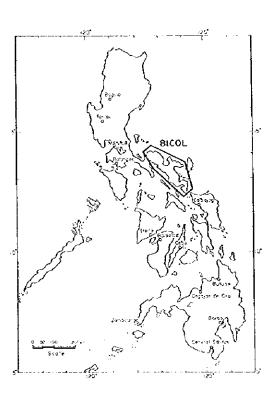


REGIONAL SURVEY FOR MINERAL RESOURCES IN THE BICOL AREA THE REPUBLIC OF THE PHILIPPINES (PHASE I)

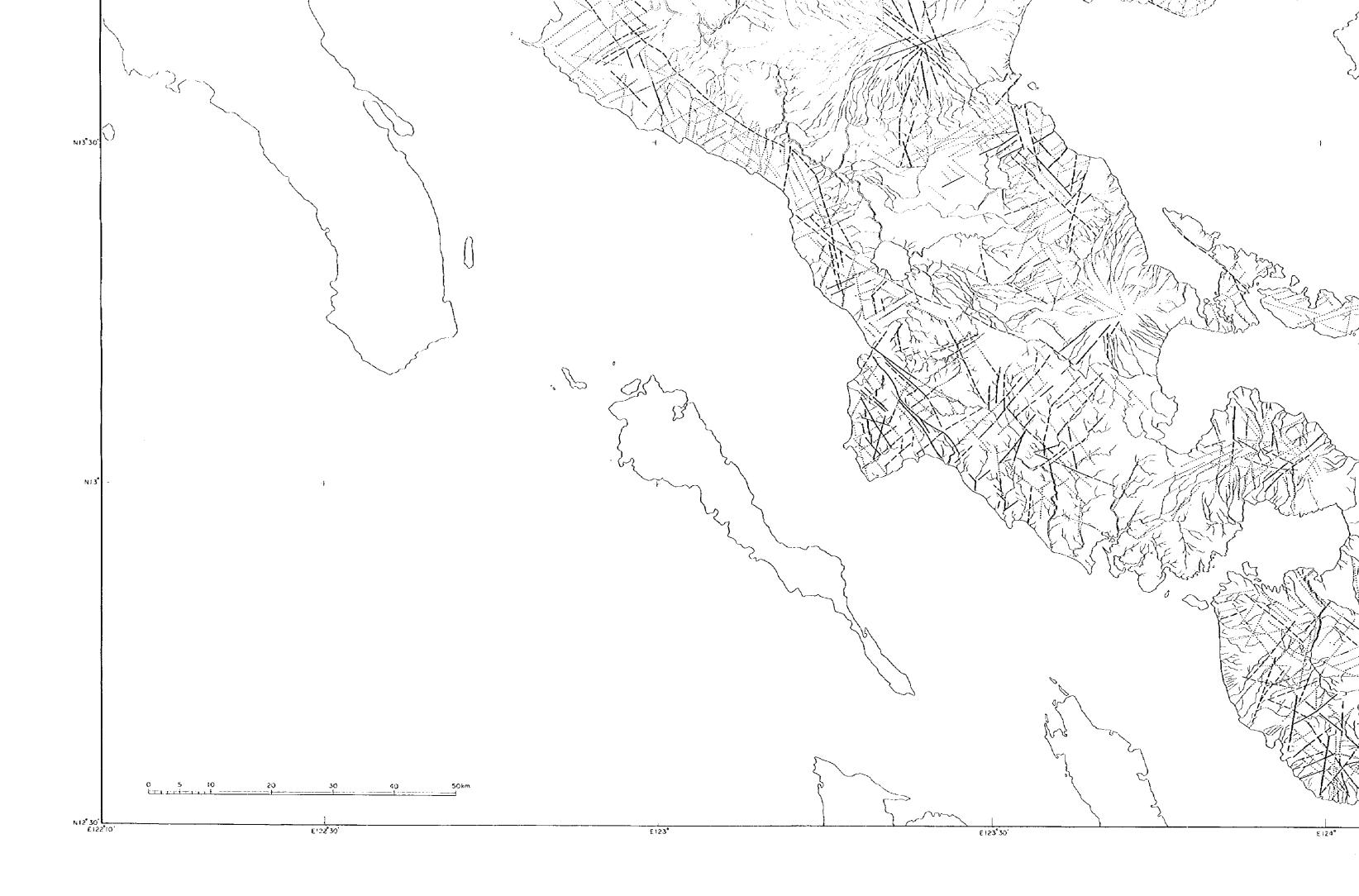
Fig. It-2-9 Distribution map of lineaments from JERS-1/SAR image analysis

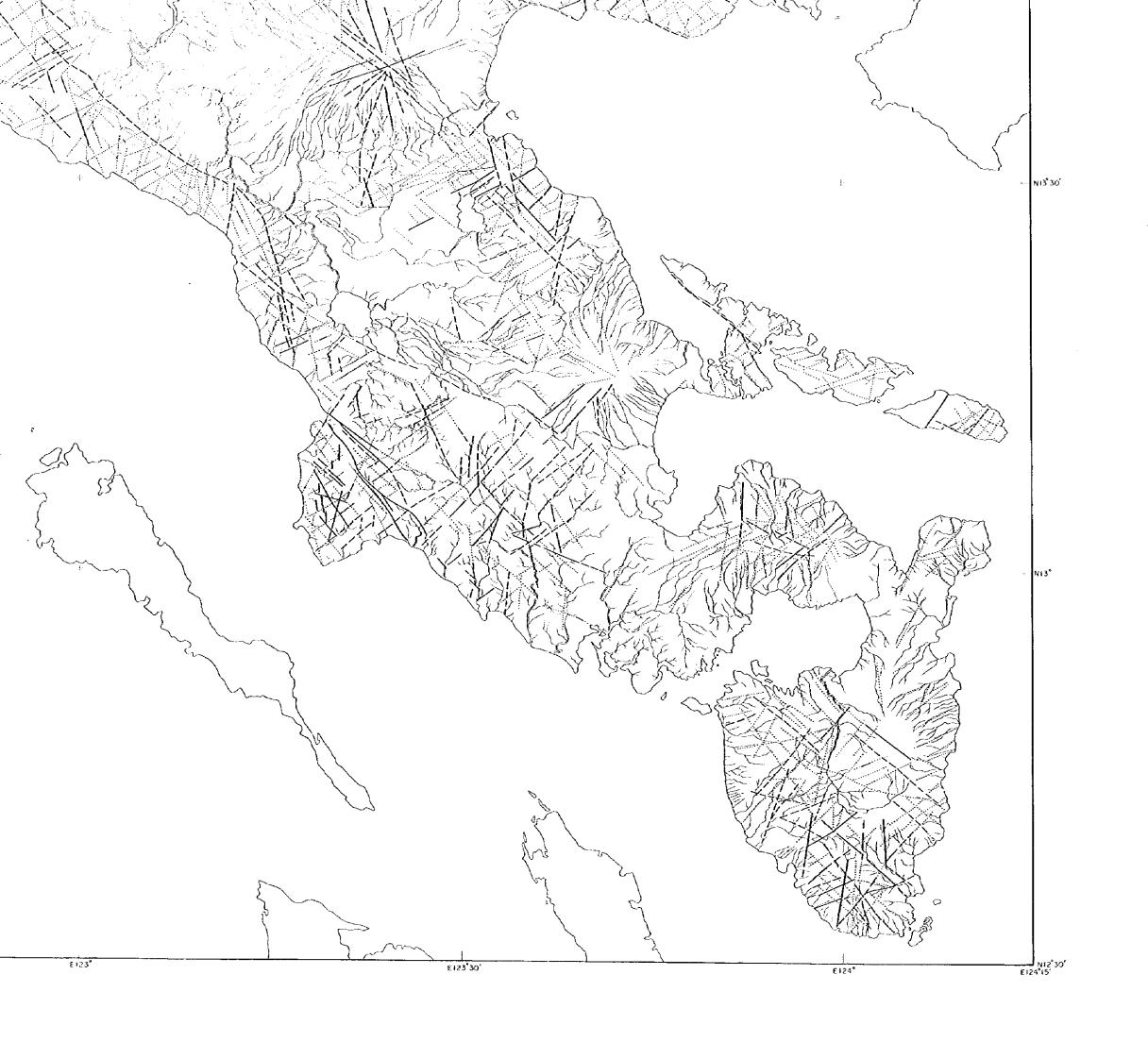
FEBRUARY 1998 JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN

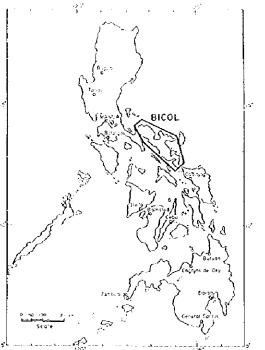
| JERS-1/SAR | | | Scer | Scene center | | ight | Quantity of cloud |
|------------|------------|------------|----------|--------------|-----------|---------|-------------------|
| path | FOW | date | fatitude | longitude | elevatico | aconido | Q1 Q2 Q3 Q4 |
| 083 | 278 | 12,09/1996 | 13:28 | 124.09 | | | * |
| 083 | 279 | 12/09/1996 | 12:52 | 124 02 | | | |
| 083 | 580 | 12/09/1996 | 12:16 | 123.55 | | | |
| 084 | 277 | 12/10/1996 | 14 04 | 123:43 | | | |
| 084 | 278 | 12/10/1996 | 13:28 | 123:36 | | | |
| 084 | 279 | 12/10/1996 | 12.52 | 123 29 | ****** | | |
| 085 | 277 | 12/11/1996 | 14.04 | 123:10 | | | |
| 085 | 278 | 12/11/1996 | 13:28 | 123 03 | | | |
| 085 | 279 | 12/11/1906 | 12.52 | 122:56 | | | |
| 086 | 277 | 07,03,1995 | 14.04 | 122:38 | | | 1 |
| 036 | 278 | 07,03/1995 | 13 28 | 122 31 | | | |
| 087 | 276 | 12/13 1996 | 14:39 | 122.11 | | | 1 |
| 087 | 277 | 12/13/1996 | 14 04 | 122.04 | 1 | 1777 | |

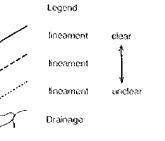


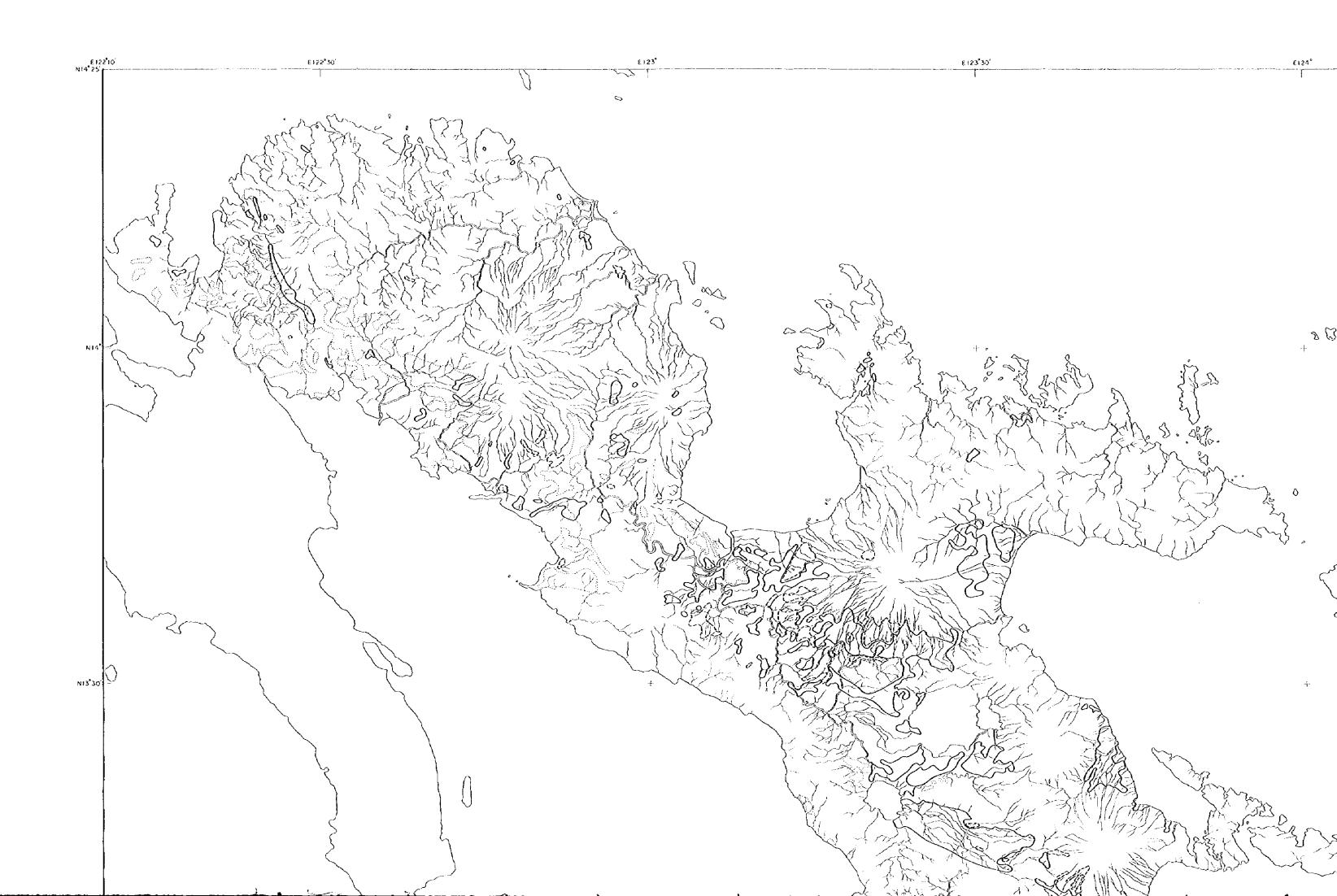
Looke

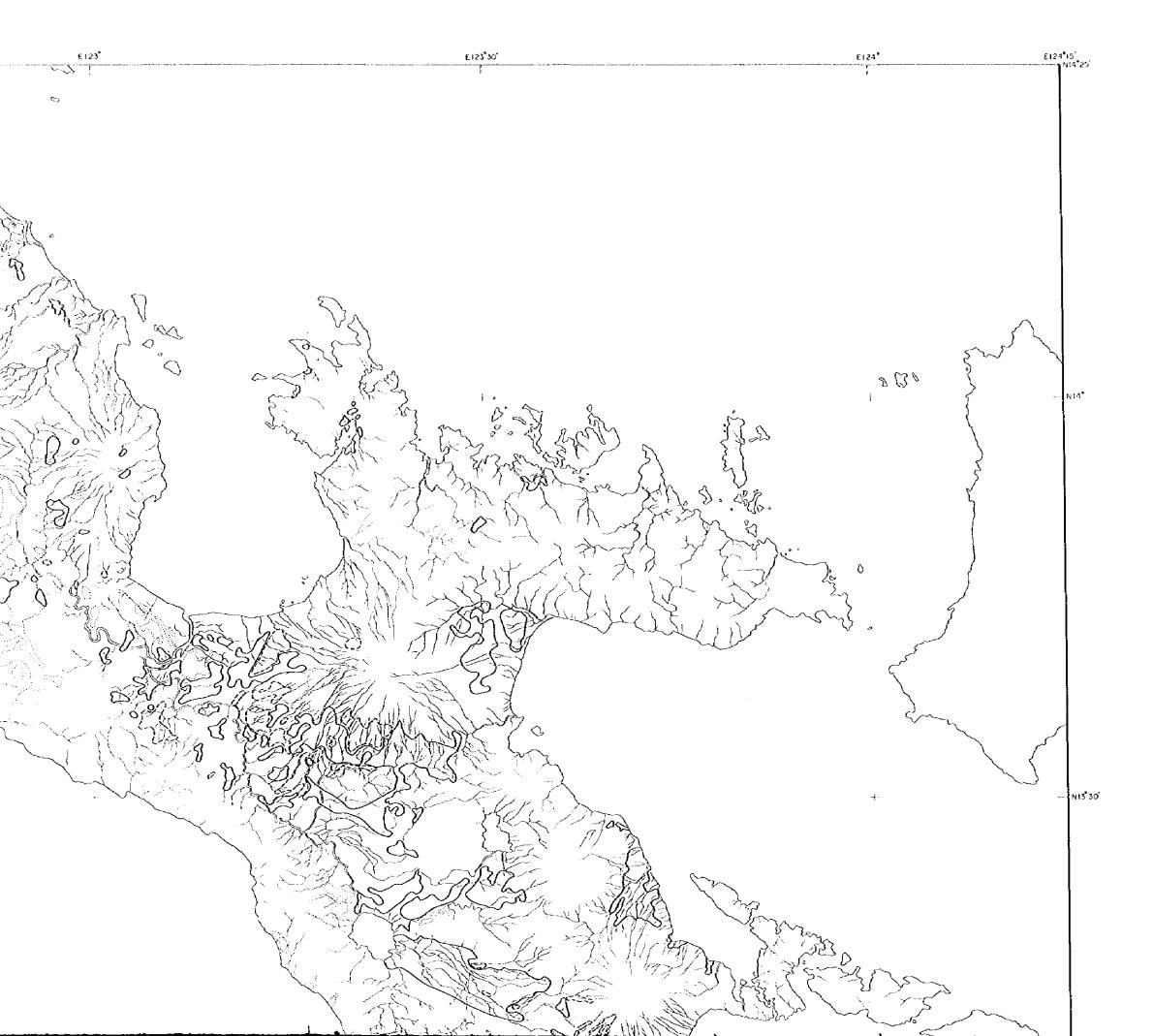












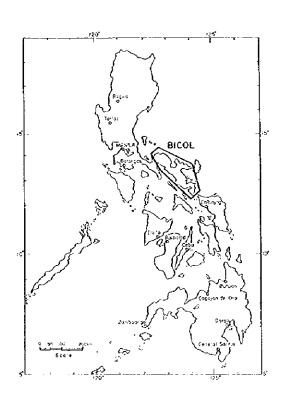
REGIONAL SURVEY FOR MINERAL RESOURCES IN THE BICOL AREA THE REPUBLIC OF THE PHILIPPINES (PHASE I)

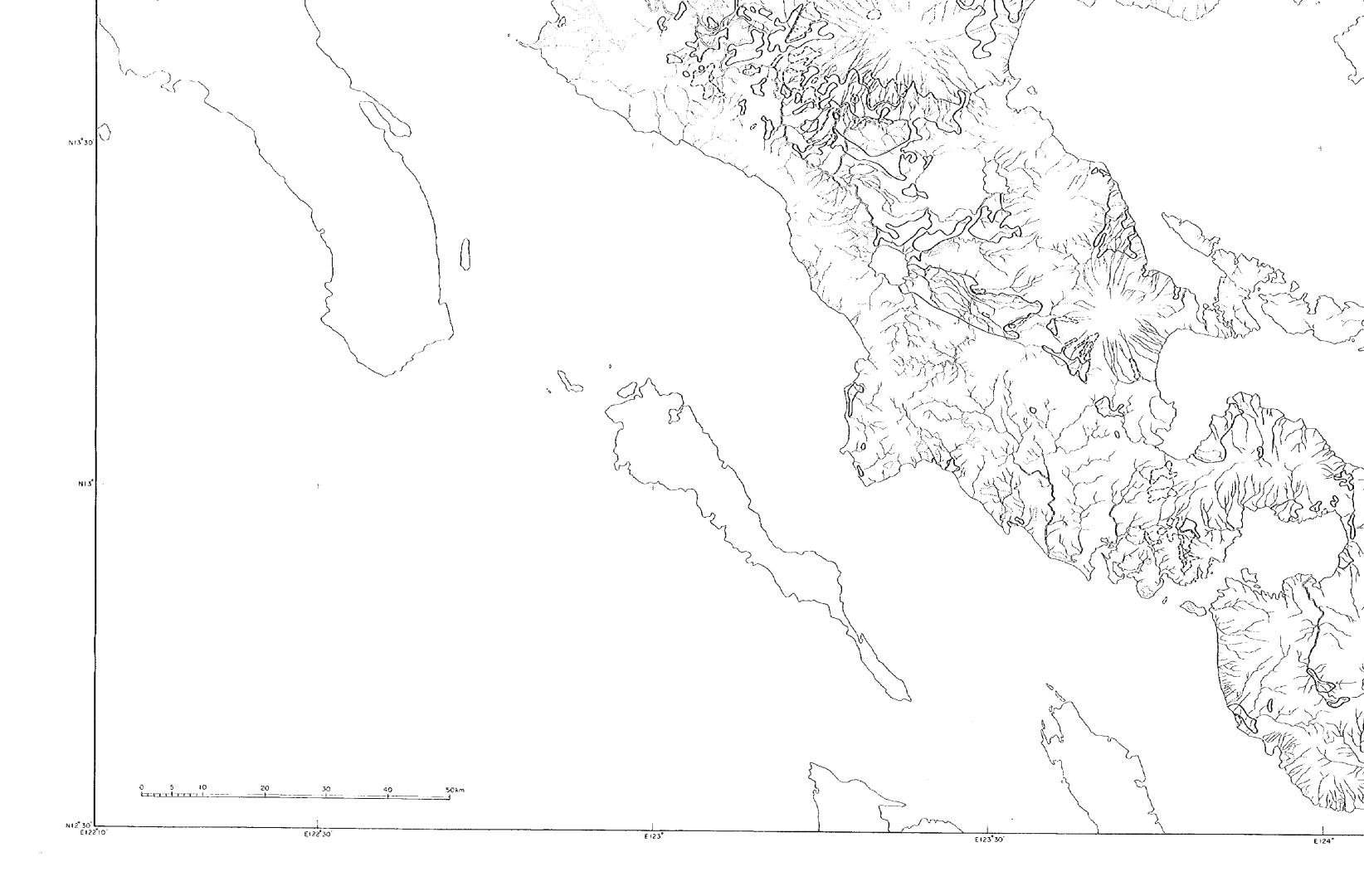
Fig. II-2-10 Distribution map of inferred alteration area from Landsat-TM image analysis (BGR:3/1 5/4 5/7)

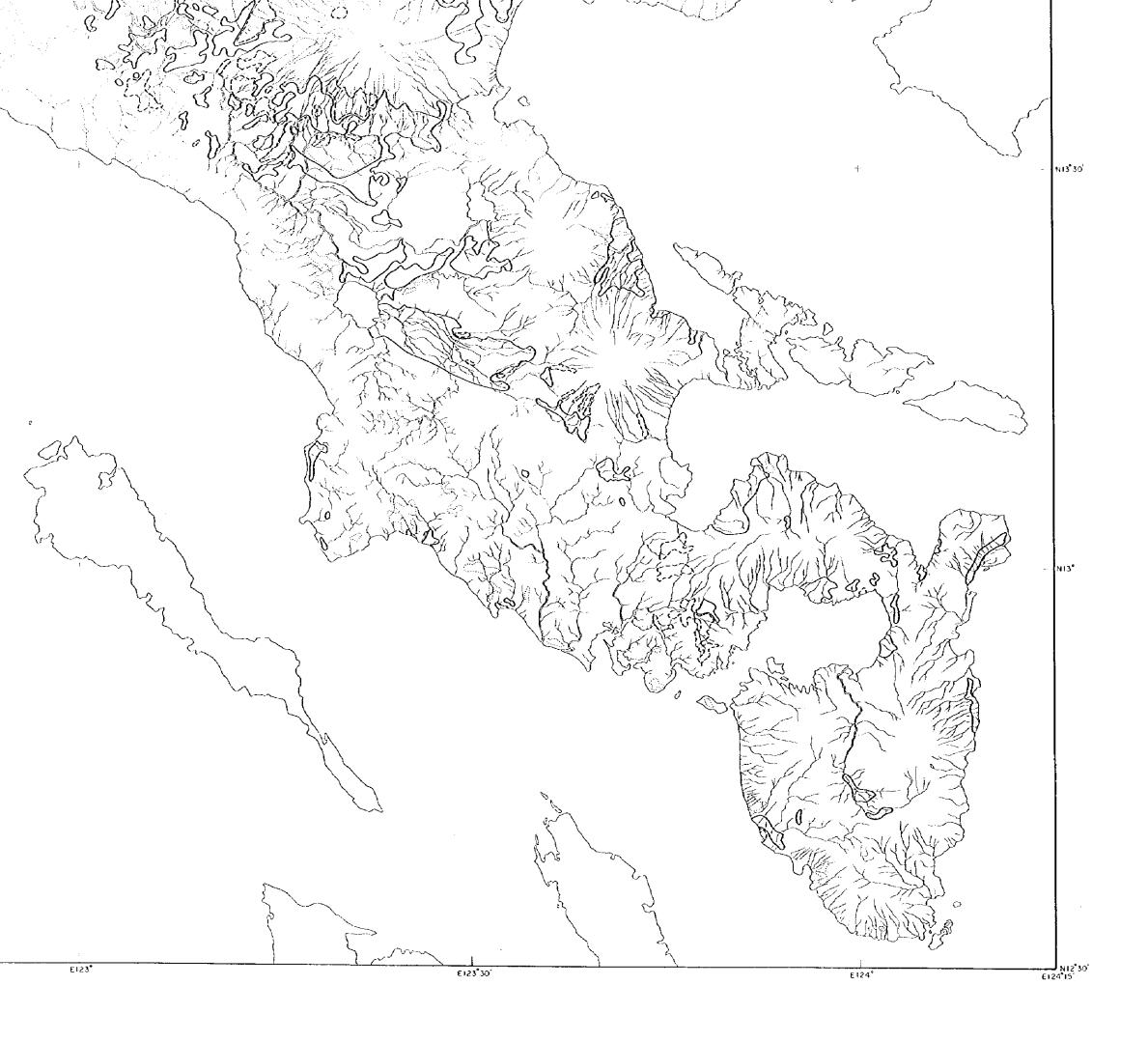
FEBRUARY 1998
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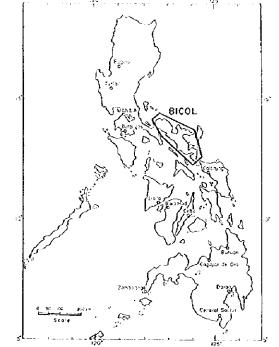
Data of satellite imagery

| LAND 1 | | | Scene center | | Sunti | gisl | Quantity of cloud |
|-----------|-----|--------------|--------------|-----------|-----------|---------|----------------------|
| path | WGI | d ate | latitude | longitude | eteration | azimoto | Q1 O2 O3 O4 |
| 114 | 050 | 05/03/1992 | 13:29:46 | 123 39 20 | 58 €6 | 82.32 | 20 10 10 10 |
| 114 | 051 | 04/071994 | 13:14:47 | 123 38 54 | 55 24 | 98 00 | 10 10 10 10 |
| 115 | 050 | 02/14/1930 | 13 59 36 | 122:13:30 | 44.15 | 125.12 | 40 10 10 0 |
| 115 | 051 | 04/19/1996 | 13:44.49 | 122.13.20 | 54 36 | 90.34 | 10 0 20 10 |









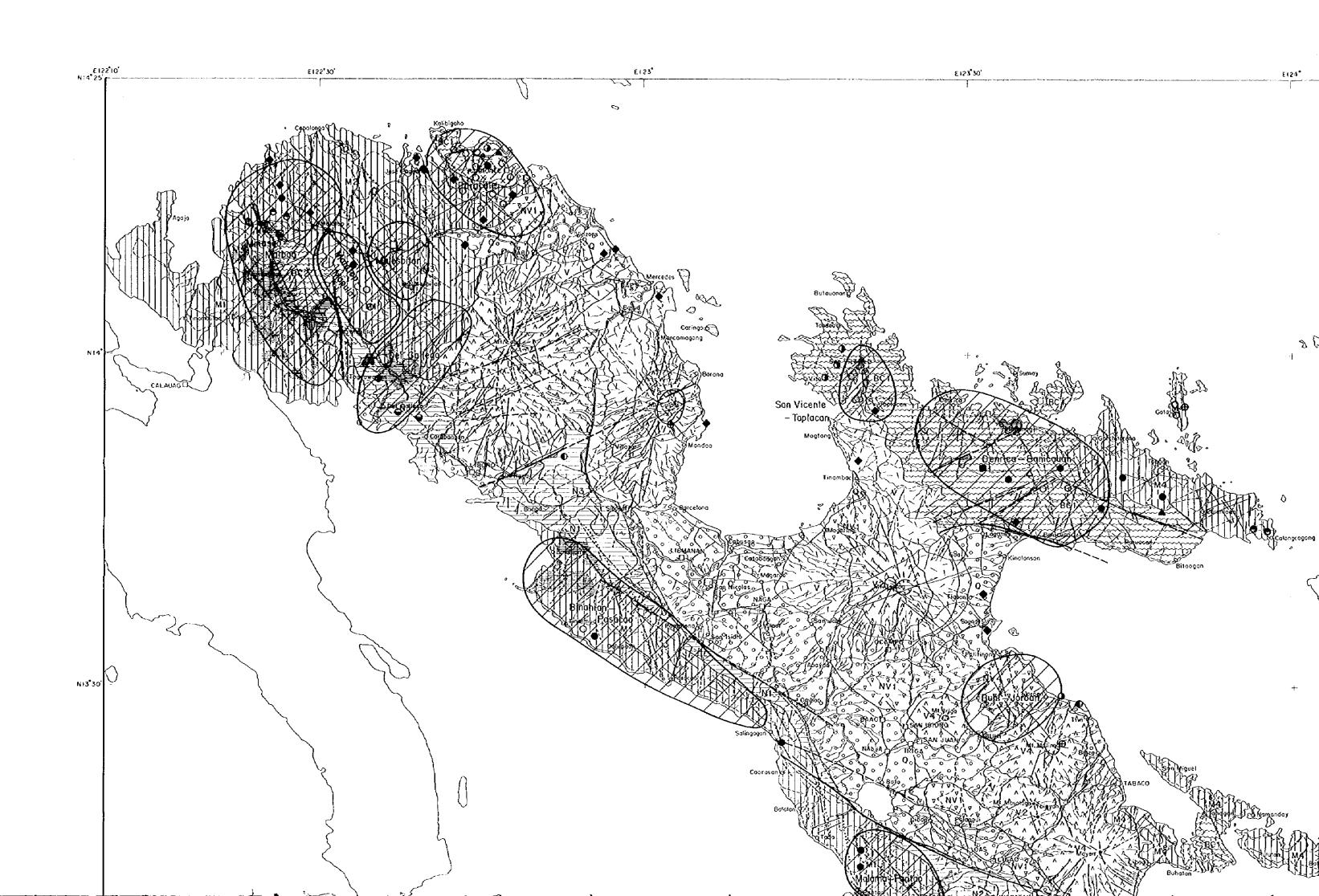
Legend

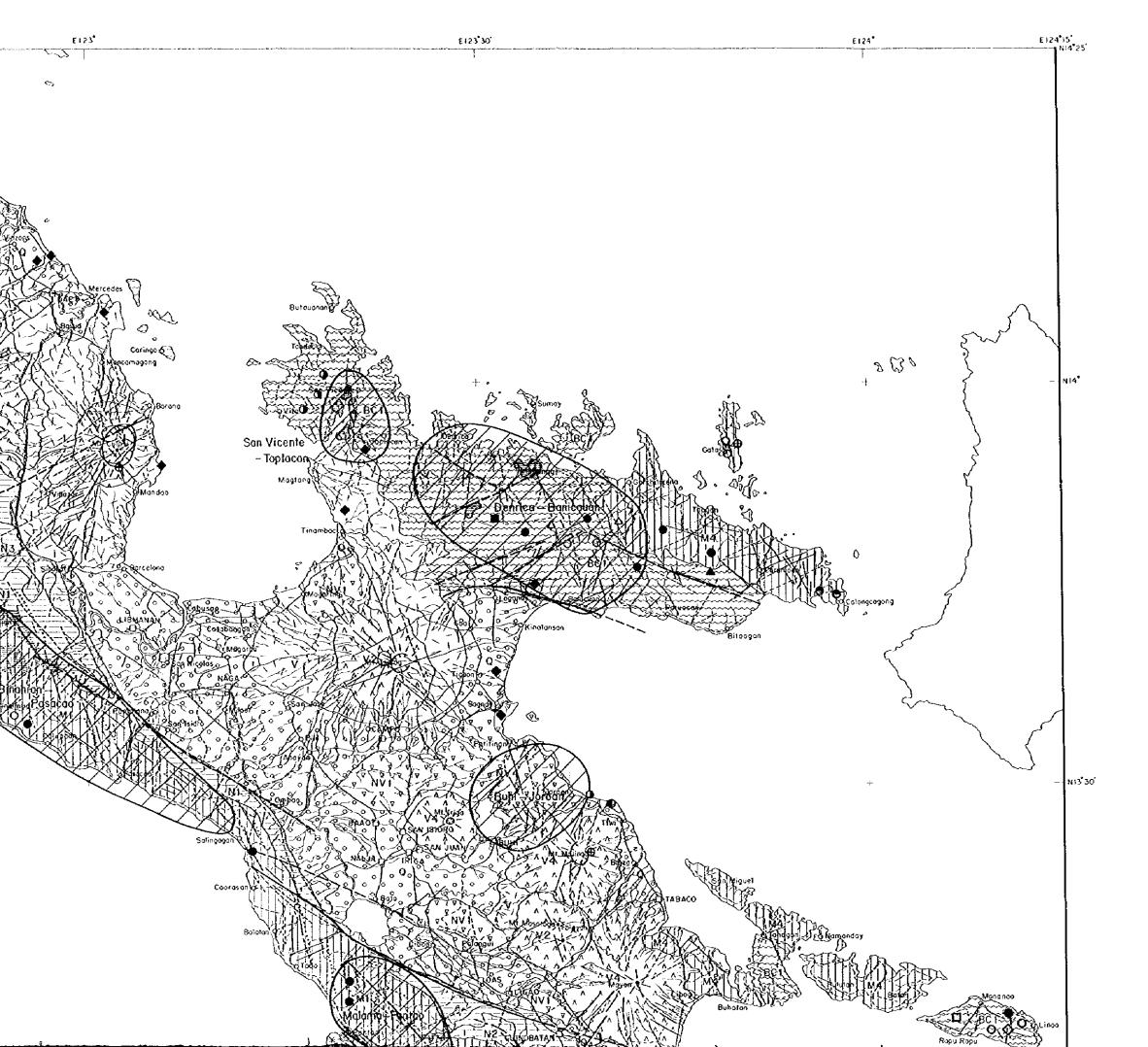
Reddish colored area (argiflized zone?)

Greenish colored area (iron exide zone?)

Bluish colored area (iron oxide zone?)

Y Drainan





REGIONAL SURVEY FOR MINERAL RESOURCES IN THE BICOL AREA THE REPUBLIC OF THE PHILIPPINES

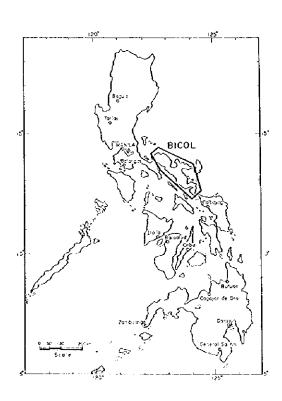
(PHASE I)

Fig. II-2-11 Promising areas from Landsat-TM/JERS-1 image analysis

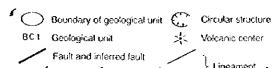
FEBRUARY 1998 JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN

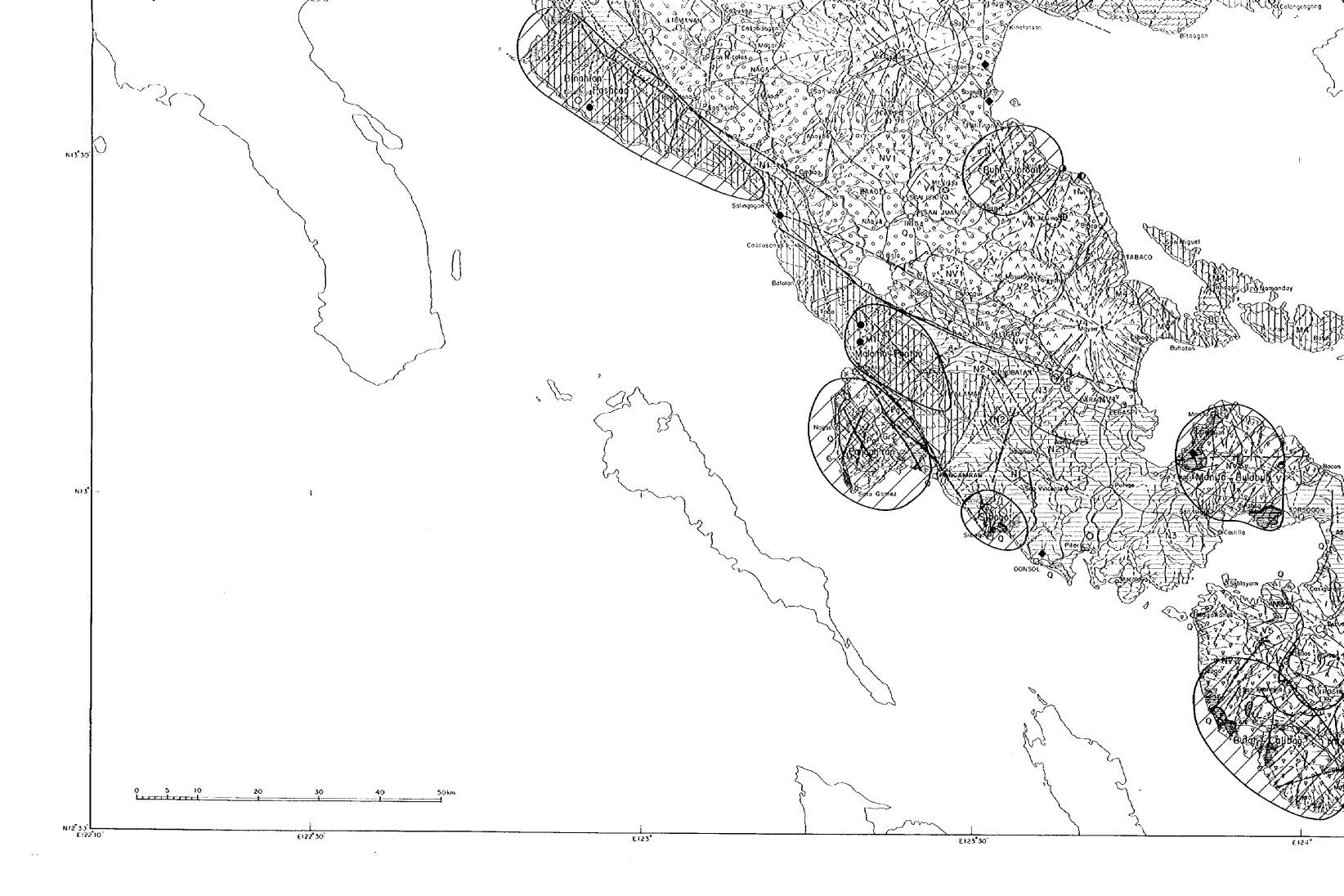
Data of satellite imagery

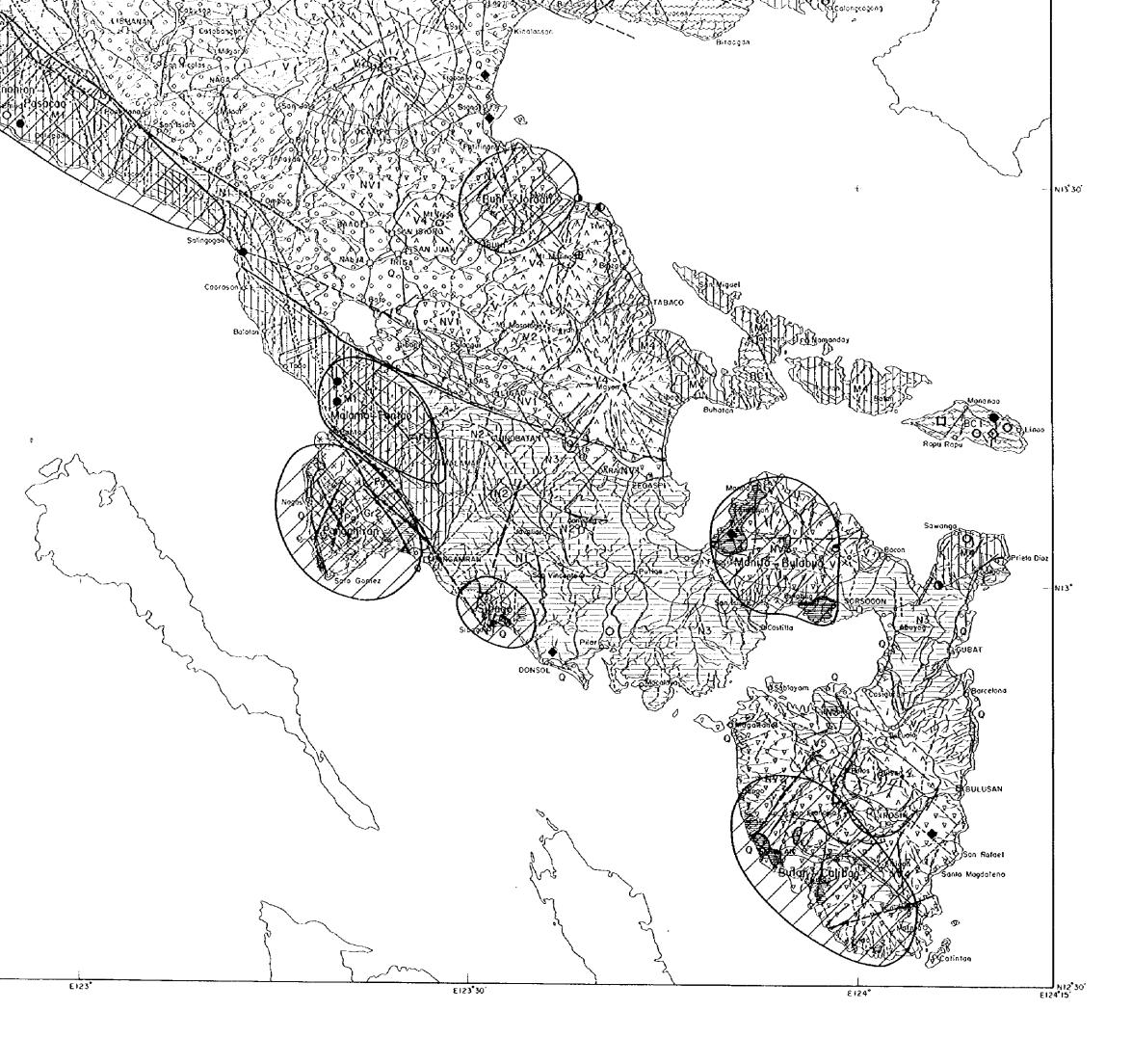
| | | | - Gery | to bare into the | Dans | | | |
|-------|-----------------------------|----------|-----------------------|--------------------------------------|----------------------------------|--|--------------------------|--------------------------|
| | Quantity cloud | ght | Sunt | e center | Scen | | | LAND |
|)3 Q4 | Q1 Q2 Q3 | ละกานใก | elevation | longitude | latitude | đate | row | path |
| 0 10 | 20 10 10 | 82.32 | 58.66 | 123 39 20 | 13 29:46 | 05/03/1992 | 050 | 114 |
| 0.10 | 10 10 10 | 98 00 | 55 24 | 123 38 54 | 13:14:47 | 04/071994 | 051 | 114 |
| 0 0 | 40 10 10 | 125.12 | 44.15 | 122.13:30 | 13 59:36 | 02/14/1990 | 050 | 115 |
| 0 10 | 10 0 20 | 9031 | 54.36 | 122.13.20 | 13 44:49 | 04/19/1996 | 051 | 115 |
| | unlight Openity of cloud | | Scene center Sunlight | | | I/SAR | JERS- | |
| | Q1 Q2 Q3 | achivi0i | efevation | longilude | latitude | date | ION | path |
| | | | | 124.09 | 13:28 | 12/09/1996 | 278 | 083 |
| | | | | 124:02 | 12:52 | 12/09/1996 | 279 | 083 |
| | | | | 123.55 | 12 16 | 12/09/1996 | 280 | 083 |
| | | | | 123.43 | 14.04 | 12/10/1996 | 277 | 084 |
| | | | | 123 36 | 13 28 | 12/10/1996 | 278 | 084 |
| | | -: | | 123.29 | 12:52 | 12/10/1996 | 279 | 084 |
| | | | | 123:10 | 14.04 | 12/11/1996 | 277 | 085 |
| | | | | 123 03 | 13.28 | 12/11/1996 | 278 | 085 |
| | | | | 122:56 | 12.52 | 12/11/1996 | 279 | 085 |
| : | | | | 122:38 | 14.04 | 07/03/1995 | 277 | 980 |
| | | | | 122:31 | 13:28 | 07/03/1905 | 278 | 036 |
| | | | | 122.11 | 14:39 | 12/13/1996 | 276 | 780 |
| | | | | 122.01 | 14:04 | 12/13/1906 | 277 | 087 |
| | | | | 122:56 122:38 122:31 122:11 | 12:52 14:04 13:28 14:39 | 12/11/1996 07/03/1995 07/03/1995 12/13/1996 | 279 277 278 276 | 085 086 036 087 |

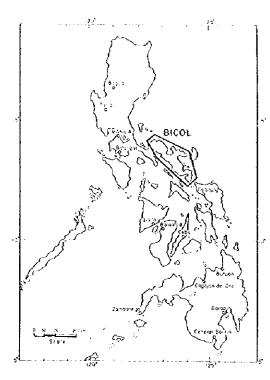


Legend

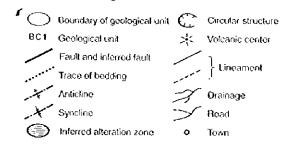








Legend



Ore deposits and Mineral Showings

| A | | |
|-------------|-------------------|------------------|
| O Au: GOLD | □ Ni:NICKL | We: WHITE CLA |
| • Cu: COPPE | R 📕 Cr : CHROMIUM | D Cc : CHINA CLA |
| Δ Pb: LEAD | Py: PYRITE | 6 Fc : FLINT CLA |
| ▲ Zn: ZiNC | Fe : IRON | Bc : BENTONITE |
| | | ⊕ S : SURFUR |

Table II-2-4 Promising area of metallic deposit

| Promis- | Grand- | Province | Geologic | Prominent | Attenation | Commodity | Commedity |
|-------------------|------------------------|-------------|----------|-------------------|-----------------------|------------|----------------|
| ing area | truth | i | unit " | linearaent | 200e | (produced) | (expectation) |
| | esis | l | | | | | [confreshment] |
| Pa⇒ a'e | Parkate. | Camprines | NV3 M2 | R# SE FW | Clay Strat | Au Cu Fa | Au Ĉu |
| | М≀Ваçтка | Note | Ni.s ; | 65E-5519 | Hich at P Post | Ni Zo Vic | |
| | ¥ | | DC1C1 | l | i | I | |
| Notest din | No spear | Compriors | 1.03 | NAVISE NS NESA | Magnetite (few) | A., | Αu |
| 17.12.100 | Bully | Comprines | MINO | NS N E SSW | Chay (medium) | Cute | 'C" |
| A13330g | | Sode | BCS | ENE WSW | tienal te | Note | Co |
| | | Quesan. | Ì | NW SE | (reduct) | | |
| 6.1 | K tay | Carta ses | N.3 M1 | EM WSW | Clay (few) | V/c Ba: | Cu |
| Ga≅ gu | i | Norte Sur | į į | 1√5 | Remarke | 1 3 | |
| B. Guittian | Western | | | | 100 E July | l ŧ | |
| - Pasican | Pasacas. | Commissions | h¢n i | NW SE | Hemstre | Au Cu | Au Cu |
| 140 000 | Fastem | Su | | NE-SW | (mas/sum) | | |
| | Pasacao | | | | from mineral (Sew) | l | |
| San | 4.4001.45 | Calanican | 8C1 | | Clay (medicin) | | A |
| Ce: e | | Perenada | J. 1 | NE-SW | Cot pressent | l " | A0 |
| Tresto as | | | | | 1 | 1 1 | |
| Ogninga | | Chighipan | 8C1 1 | ENE WSW | Cay Can) | /u Cufe | Au Cu |
| Barat kan | | Peringgla | 1 | NNW SSENS | | PaGr | |
| Bura | BUN | Altany | AV4 | NE-SW | 1 | - | Air Cu |
| Param | Mastein | l | l | NS. | | 1 1 | |
| | 85 Major.co | | | | I | ! | |
| er n. gau | Floridas = Floridas | Albay | Fy 5-2 | NW SE | City (nordiam) | | Au |
| en Eksiir sida | Fig Darian | ! | | NF-SW | Hemaille | | |
| Var an | Beron | Servegrin | 5275 | (W NS | [nac352m) Chy 8col | Fefc | |
| Bulchia | Marie | See algebra | | ANE SSIV | Boostie (\$1.6) | 1610 | Au |
| 8.4 | Nosin | Services | NV2 NV4 | 1.0 SE | Clay (for) | | <u>F</u> |
| Californ | Gat an | i ' | | MESN EN | Henural flexi | | ~3 |
| | B. Te | ı | l | | 2 2 2 1 2 1 2 1 2 | 1 1 | |
| | G do | I | l | ł | | 1 | |
| | Mountains | i | ! | [| ì | 1 | |

*1 see Table II-2-3

