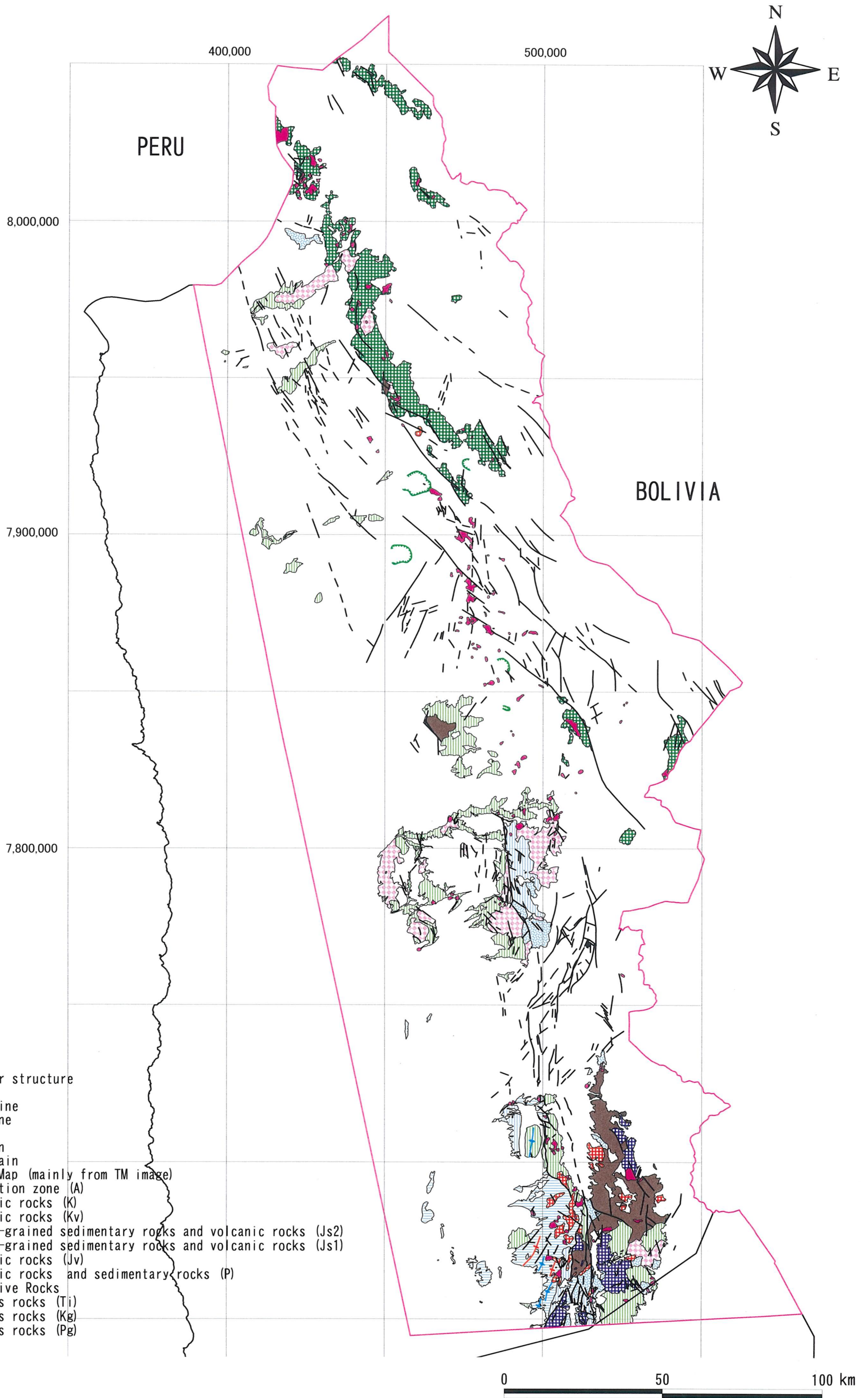


- Annular structure
- Fold
  - anticline
  - syncline
- Lineament
  - certain
  - uncertain
- Geological Map (mainly from TM image)
  - Lake
  - alteration zone (A)
  - Unconsolidated sediments (Qa)
  - Unconsolidated sediments (Qa1)
  - Unconsolidated talus deposits (Qd)
  - Unconsolidated sediments (Qd1)
  - Fine to medium-grained sediments (Ts3)
  - Fine to medium-grained sediments (Ts2)
  - Unconsolidated sediments, dacitic ignimbrite (TQ1)
  - Unconsolidated talus deposits (Tv2)
  - Volcanic rocks (Tv3)
  - Volcanic rocks (Tv2)
  - Volcanic rocks (Tv1)
  - Acidic volcanic rocks (Tvs)
  - Fine-grained sediments (Ts1)
  - Fine to medium-grained sediments (Ts)
  - Volcanic rocks (K)
  - Volcanic rocks (Kv)
  - Medium-grained sedimentary rocks and volcanic rocks (Js2)
  - Medium-grained sedimentary rocks and volcanic rocks (Js1)
  - Volcanic rocks (Jv)
  - Volcanic rocks and sedimentary rocks (P)
  - Intrusive Rocks
    - Igneous rocks (Ti)
    - Igneous rocks (Kg)
    - Igneous rocks (Pg)

Fig. 2-1-6 Photogeological Interpretation Map of TM Images



- Annular structure
- Fold
  - anticline
  - syncline
- Lineament
  - certain
  - uncertain
- Geological Map (mainly from TM image)
  - alteration zone (A)
  - Volcanic rocks (K)
  - Volcanic rocks (Kv)
  - Medium-grained sedimentary rocks and volcanic rocks (Js2)
  - Medium-grained sedimentary rocks and volcanic rocks (Js1)
  - Volcanic rocks (Jv)
  - Volcanic rocks and sedimentary rocks (P)
  - Intrusive Rocks
    - Igneous rocks (Ti)
    - Igneous rocks (Kg)
    - Igneous rocks (Pg)

Fig. 2-1-7 Photogeological Structure of the Study Area

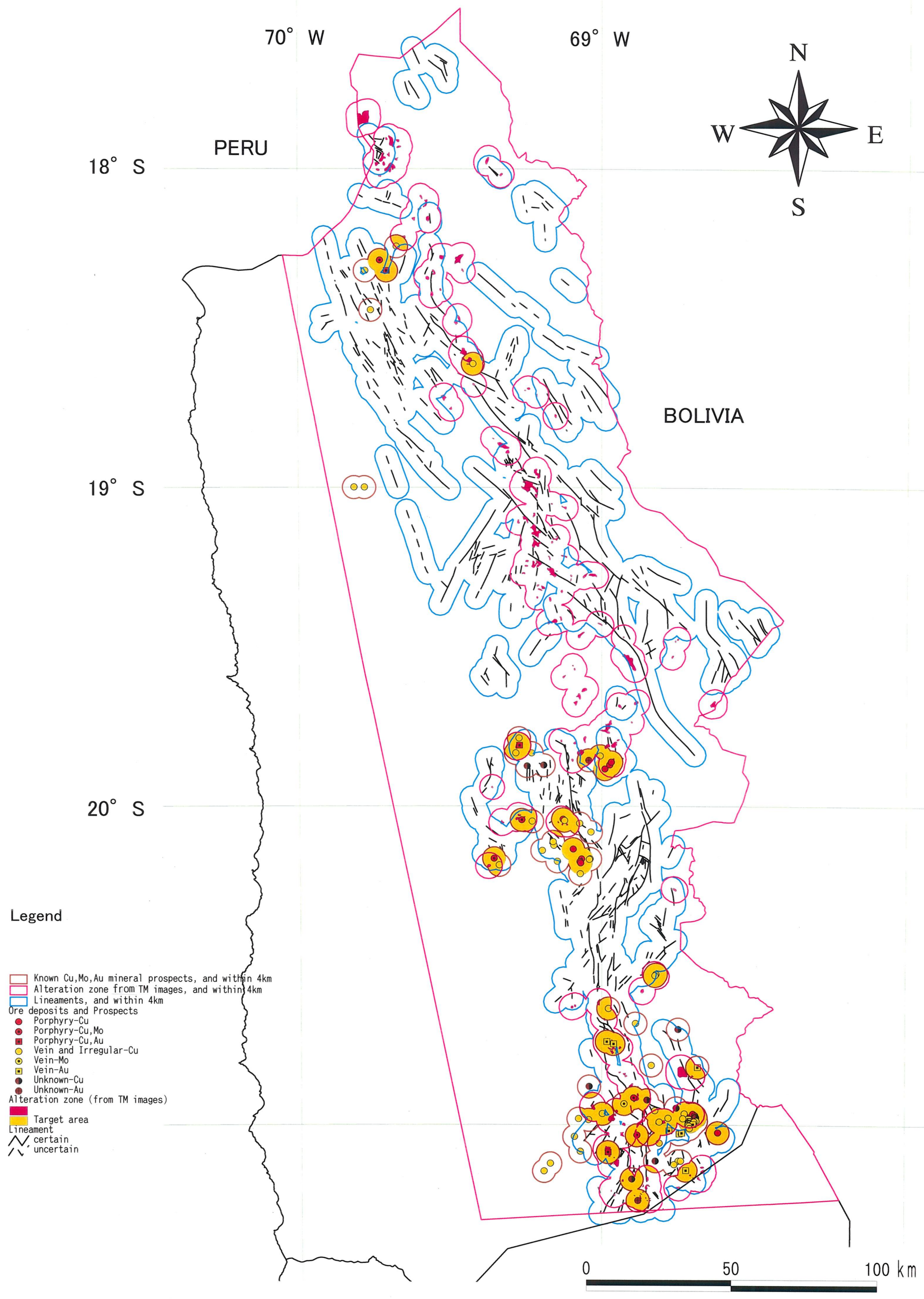


Fig. 2-1-8 Target Areas Plotted from Analysis of Satellite Images and Existing Data

Table 2-2-1 Basic Static Value of Rock Samples in the Survey Area

| <i>Mocha-Soledad</i> | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average              | 1069     | 22       | 69       | 11       | 56       | 10       | 0.008    | 34       | 1.1      |
| Median               | 142      | 10       | 67       | 6        | 58       | 10       | 0.005    | 12       | 0.8      |
| Standard deviation   | 3081     | 27       | 56       | 16       | 25       | 0        | 0.010    | 69       | 1.3      |
| Minimum              | 13       | 3        | 8        | 1        | 10       | 10       | 0.005    | 3        | 0.3      |
| Maximum              | 16260    | 139      | 219      | 70       | 93       | 10       | 0.053    | 305      | 6.8      |
| Number of samples    | 28       | 28       | 28       | 28       | 25       | 25       | 25       | 28       | 28       |

| <i>Queen Elizabeth</i> | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average                | 2913     | 800      | 51       | 25       | 97       | 20       | 0.107    | 11       | 6.9      |
| Median                 | 23       | 30       | 22       | 7        | 73       | 10       | 0.014    | 3        | 0.2      |
| Standard deviation     | 10592    | 5855     | 87       | 67       | 80       | 72       | 0.395    | 38       | 40.5     |
| Minimum                | 1        | 5        | 3        | 1        | 30       | 10       | 0.005    | 3        | 0.1      |
| Maximum                | 62830    | 46517    | 630      | 446      | 430      | 536      | 2.081    | 290      | 313.5    |
| Number of samples      | 63       | 63       | 63       | 63       | 54       | 54       | 54       | 63       | 63       |

| <i>Diana</i>       | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 105      | 22       | 29       | 14       | 95       | 17       | 0.038    | 38       | 0.2      |
| Median             | 65       | 9        | 21       | 7        | 85       | 10       | 0.016    | 3        | 0.2      |
| Standard deviation | 152      | 37       | 28       | 16       | 65       | 37       | 0.094    | 84       | 0.2      |
| Minimum            | 12       | 1        | 3        | 1        | 31       | 10       | 0.005    | 3        | 0.0      |
| Maximum            | 870      | 154      | 136      | 70       | 455      | 253      | 0.556    | 417      | 1.2      |
| Number of samples  | 44       | 44       | 44       | 44       | 43       | 43       | 43       | 44       | 44       |

| <i>La Planada</i>  | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 9603     | 29       | 59       | 182      | 119      | 13       | 0.005    | 16       | 0.9      |
| Median             | 1074     | 31       | 47       | 89       | 89       | 10       | 0.005    | 12       | 0.5      |
| Standard deviation | 18730    | 24       | 60       | 394      | 91       | 11       | 0.010    | 16       | 0.8      |
| Minimum            | 123      | 1        | 3        | 10       | 55       | 10       | 0.000    | 3        | 0.1      |
| Maximum            | 62210    | 86       | 214      | 1951     | 433      | 52       | 0.040    | 71       | 3.1      |
| Number of samples  | 23       | 23       | 23       | 23       | 15       | 15       | 15       | 23       | 23       |

| <i>Chacarilla</i>  | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 25       | 7        | 48       | 6        | 34       | 10       | 0.064    | 8        | 0.2      |
| Median             | 13       | 1        | 10       | 5        | 12       | 10       | 0.008    | 3        | 0.1      |
| Standard deviation | 39       | 15       | 145      | 4        | 55       | 0        | 0.219    | 18       | 0.2      |
| Minimum            | 3        | 1        | 1        | 1        | 2        | 10       | 0.005    | 3        | 0.1      |
| Maximum            | 187      | 67       | 783      | 18       | 203      | 10       | 1.210    | 102      | 1.0      |
| Number of samples  | 30       | 30       | 30       | 30       | 30       | 30       | 30       | 30       | 30       |

| <i>West Queen Elizabeth</i> | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average                     | 686      | 12       | 48       | 6        | 23       | 10       | 0.018    | 10       | 0.3      |
| Median                      | 18       | 6        | 22       | 5        | 13       | 10       | 0.005    | 3        | 0.1      |
| Standard deviation          | 4661     | 22       | 100      | 6        | 40       | 0        | 0.043    | 23       | 1.0      |
| Minimum                     | 5        | 1        | 1        | 1        | 1        | 10       | 0.005    | 3        | 0.1      |
| Maximum                     | 35992    | 151      | 665      | 36       | 250      | 10       | 0.219    | 161      | 5.9      |
| Number of samples           | 60       | 60       | 60       | 60       | 59       | 59       | 59       | 60       | 60       |

| <i>Northern Tignamar</i> | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average                  | 72       | 24       | 42       | 3        | 56       | 26       | 0.332    | 5        | 0.6      |
| Median                   | 70       | 11       | 13       | 4        | 17       | 10       | 0.009    | 4        | 0.2      |
| Standard deviation       | 54       | 52       | 105      | 2        | 140      | 43       | 0.873    | 3        | 0.9      |
| Minimum                  | 10       | 1        | 1        | 1        | 5        | 10       | 0.005    | 3        | 0.1      |
| Maximum                  | 182      | 204      | 403      | 9        | 540      | 164      | 3.077    | 11       | 3.6      |
| Number of samples        | 14       | 14       | 14       | 14       | 14       | 14       | 14       | 14       | 14       |

| <i>Southern Tignamar</i> | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average                  | 20       | 38       | 23       | 3        | 56       | 10       | 0.453    | 4        | 0.1      |
| Median                   | 14       | 9        | 6        | 3        | 25       | 10       | 0.208    | 3        | 0.1      |
| Standard deviation       | 17       | 94       | 35       | 2        | 75       | 0        | 0.943    | 2        | 0.1      |
| Minimum                  | 3        | 1        | 1        | 1        | 3        | 10       | 0.005    | 3        | 0.1      |
| Maximum                  | 67       | 434      | 152      | 9        | 272      | 10       | 4.899    | 9        | 0.4      |
| Number of samples        | 26       | 26       | 26       | 26       | 26       | 26       | 26       | 26       | 26       |

| <i>Pachica</i>     | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 50       | 27       | 107      | 7        | 28       | 2        | 0.090    | 14       | 0.6      |
| Median             | 24       | 9        | 51       | 5        | 25       | 1        | 0.023    | 3        | 0.3      |
| Standard deviation | 90       | 43       | 125      | 6        | 35       | 1        | 0.155    | 37       | 0.9      |
| Minimum            | 5        | 4        | 24       | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 352      | 142      | 404      | 18       | 139      | 4        | 0.555    | 142      | 3.3      |
| Number of samples  | 14       | 14       | 14       | 14       | 14       | 14       | 14       | 14       | 14       |

| <i>Chusmisa</i>    | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 35       | 344      | 71       | 4        | 15       | 2        | 0.075    | 4        | 1.0      |
| Median             | 25       | 9        | 64       | 4        | 3        | 1        | 0.010    | 3        | 0.1      |
| Standard deviation | 40       | 1824     | 50       | 2        | 33       | 1        | 0.243    | 8        | 4.8      |
| Minimum            | 7        | 1        | 10       | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 200      | 10000    | 284      | 8        | 171      | 7        | 1.199    | 48       | 26.5     |
| Number of samples  | 30       | 30       | 30       | 30       | 29       | 29       | 29       | 30       | 30       |

Table 2-2-1 Basic Static Value of Rock Samples in the Survey Area

| <i>Chusmisa NE</i> | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 20       | 16       | 20       | 8        | 21       | 2        | 0.427    | 3        | 0.1      |
| Median             | 12       | 14       | 15       | 3        | 7        | 1        | 0.049    | 3        | 0.1      |
| Standard deviation | 17       | 13       | 13       | 13       | 40       | 3        | 1.162    | 3        | 0.2      |
| Minimum            | 4        | 1        | 2        | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 53       | 58       | 42       | 51       | 172      | 12       | 5.074    | 13       | 0.6      |
| Number of samples  | 21       | 21       | 21       | 21       | 20       | 20       | 20       | 21       | 21       |

| <i>Camña</i>       | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 30       | 10       | 46       | 5        | 20       | 1        | 0.010    | 3        | 0.1      |
| Median             | 26       | 7        | 48       | 4        | 10       | 1        | 0.005    | 3        | 0.1      |
| Standard deviation | 15       | 10       | 30       | 5        | 31       | 0        | 0.012    | 0        | 0.1      |
| Minimum            | 9        | 1        | 6        | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 62       | 35       | 108      | 27       | 119      | 1        | 0.057    | 3        | 0.6      |
| Number of samples  | 27       | 27       | 27       | 27       | 24       | 24       | 24       | 27       | 27       |

| <i>Camña</i>       | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 4598     | 15       | 59       | 2        | 68       | 2        | 0.011    | 4        | 0.2      |
| Median             | 75       | 8        | 52       | 1        | 40       | 1        | 0.008    | 3        | 0.1      |
| Standard deviation | 15001    | 29       | 30       | 2        | 75       | 1        | 0.008    | 5        | 0.5      |
| Minimum            | 10       | 1        | 25       | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 60392    | 138      | 162      | 6        | 254      | 6        | 0.029    | 24       | 2.2      |
| Number of samples  | 22       | 22       | 22       | 22       | 20       | 20       | 20       | 22       | 22       |

| <i>Camña NE</i>    | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 20       | 13       | 7        | 5        | 54       | 1        | 0.027    | 3        | 0.1      |
| Median             | 20       | 13       | 7        | 5        | 54       | 1        | 0.027    | 3        | 0.1      |
| Standard deviation | 22       | 6        | 6        | 3        | 72       | 0        | 0.012    | 0        | 0.0      |
| Minimum            | 4        | 8        | 2        | 3        | 3        | 1        | 0.018    | 3        | 0.1      |
| Maximum            | 35       | 17       | 11       | 7        | 105      | 1        | 0.035    | 3        | 0.1      |
| Number of samples  | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 2        |

| <i>Tigamar NW</i>  | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 47       | 1700     | 54       | 3        | 1403     | 2        | 0.075    | 3        | 0.2      |
| Median             | 46       | 45       | 38       | 2        | 30       | 1        | 0.052    | 3        | 0.2      |
| Standard deviation | 28       | 4066     | 61       | 3        | 3371     | 1        | 0.081    | 0        | 0.1      |
| Minimum            | 18       | 12       | 2        | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 90       | 10000    | 171      | 8        | 8284     | 4        | 0.232    | 3        | 0.3      |
| Number of samples  | 6        | 6        | 6        | 6        | 6        | 6        | 6        | 6        | 6        |

| <i>Tigamar SE</i>  | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 26       | 70       | 29       | 1        | 532      | 14       | 0.087    | 3        | 0.2      |
| Median             | 15       | 26       | 31       | 1        | 641      | 1        | 0.029    | 3        | 0.1      |
| Standard deviation | 25       | 86       | 19       | 0        | 484      | 23       | 0.121    | 0        | 0.1      |
| Minimum            | 8        | 15       | 10       | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 54       | 170      | 47       | 1        | 951      | 40       | 0.226    | 3        | 0.3      |
| Number of samples  | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        |

| <i>Putre S</i>     | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 44       | 17       | 53       | 3        | 18       | 2        | 0.031    | 4        | 0.3      |
| Median             | 21       | 12       | 16       | 3        | 7        | 1        | 0.015    | 3        | 0.1      |
| Standard deviation | 58       | 15       | 74       | 2        | 24       | 1        | 0.053    | 3        | 0.8      |
| Minimum            | 6        | 1        | 5        | 1        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 230      | 62       | 293      | 6        | 87       | 3        | 0.212    | 12       | 3.2      |
| Number of samples  | 16       | 16       | 16       | 16       | 14       | 14       | 14       | 16       | 16       |

| <i>Putre W</i>     | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 12417    | 59       | 184      | 10       | 7        | 2        | 0.016    | 32       | 3.6      |
| Median             | 2091     | 14       | 30       | 6        | 4        | 2        | 0.010    | 8        | 0.8      |
| Standard deviation | 15886    | 101      | 509      | 7        | 8        | 1        | 0.015    | 74       | 5.3      |
| Minimum            | 29       | 3        | 6        | 3        | 3        | 1        | 0.005    | 3        | 0.1      |
| Maximum            | 41170    | 378      | 2005     | 28       | 27       | 2        | 0.046    | 293      | 17.2     |
| Number of samples  | 15       | 15       | 15       | 15       | 10       | 10       | 10       | 15       | 15       |

| <i>Arica E</i>     | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | As (ppm) | Sb (ppm) | Hg (ppm) | Au (ppb) | Ag (ppm) |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Average            | 2903     | 231      | 267      | 17       | 149      | 4        | 0.086    | 242      | 10.9     |
| Median             | 2903     | 231      | 267      | 17       | 149      | 4        | 0.086    | 242      | 10.9     |
| Standard deviation | 1803     | 45       | 122      | 18       | 57       | 4        | 0.018    | 43       | 0.2      |
| Minimum            | 1628     | 199      | 181      | 4        | 108      | 1        | 0.073    | 211      | 10.7     |
| Maximum            | 4178     | 262      | 353      | 29       | 189      | 6        | 0.099    | 272      | 11.0     |
| Number of samples  | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 2        |

thin section microscopy, polished section microscopy, X-ray diffraction analysis, fluid inclusion measurements, ore assay, and analysis for rock geochemical survey are listed in the Appendix.

The threshold values for geochemical anomalies were determined as follows. A total samples including rock geochemical and ore assay samples of the localities where reconnaissance survey was carried out were processed. And the inflection points of the cumulative frequency distribution were taken as the threshold values and were divided into 5~7 steps. The fundamental statistic of each area is shown in Table 2-2-1. Also contents below the limit of detection were treated as half of the detection limit for statistical purposes.

### **2 - 1 Mocha-Soledad district**

The geological map are shown in Figure 2-2-1, schematic geological section in Figure 2-2-2, location of mineral showings in Figure 2-2-3, alteration mineral distribution in Figure 2-2-4, and rock geochemical anomaly distribution in Figure 2-2-5.

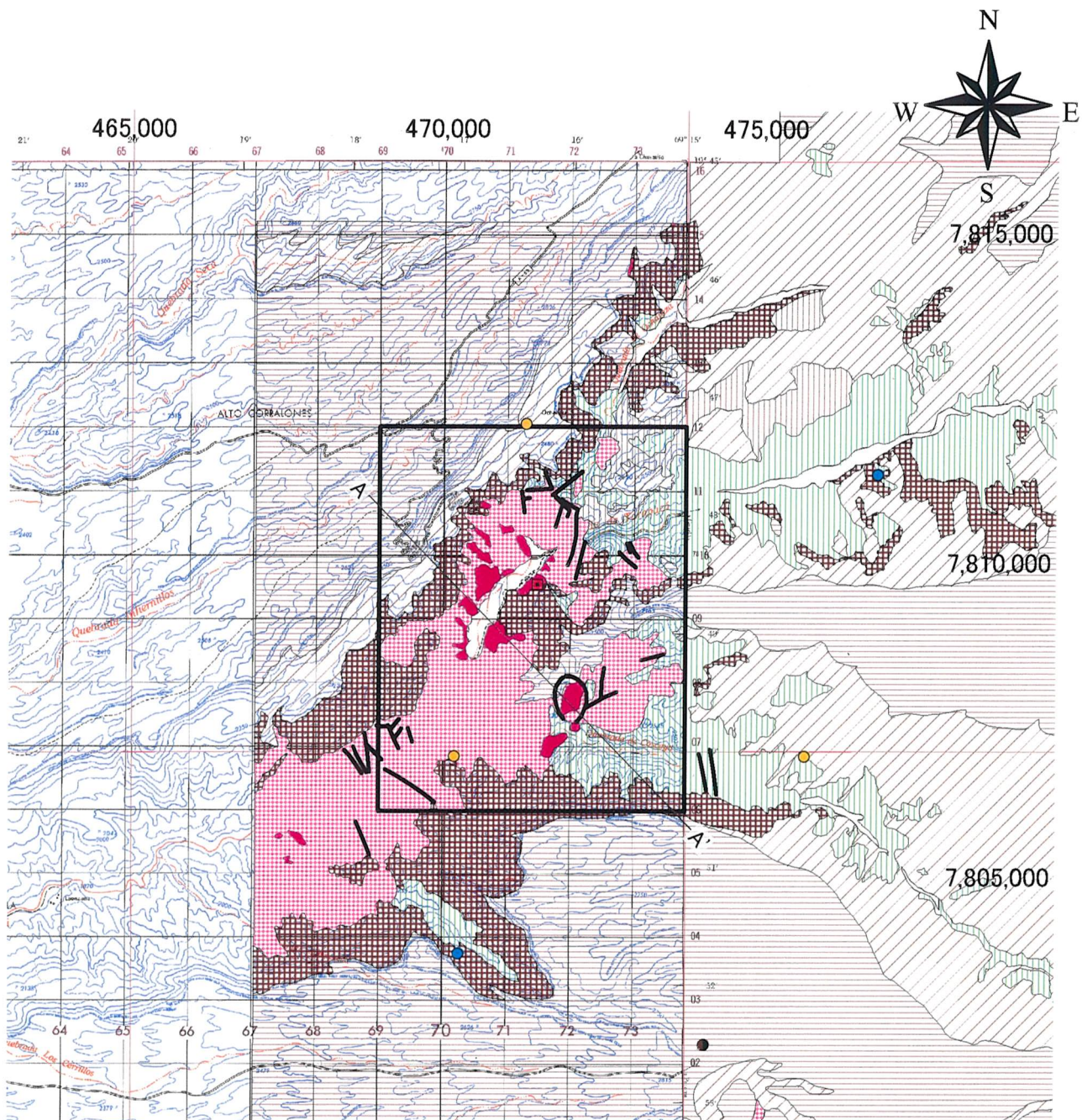
The geology of this district consists of Lower Cretaceous System, The Upper Tertiary System, and Quaternary System.

The Lower Cretaceous System consists of rhyolitic to andesitic lava and pyroclastics and these are intruded by intrusive bodies. The intrusive bodies are composed of quartz diorite, granodiorite, and quartz porphyry, and the latter two rocks intrude the former rock. In this study, Cretaceous was adopted as the age of the quartz diorite intrusion following the data of published geological maps. But that of the granodiorite and quartz porphyry is estimated to be early Eocene from the age of the alteration associated with porphyry-type mineralization, which will be mentioned later. Both the Lower Cretaceous System and the intrusive bodies are unconformably overlain by Upper Tertiary System.

The Upper Tertiary System consists of Miocene · Pliocene rhyolitic-basaltic lava · pyroclastic rocks · ignimbrite, dacitic ignimbrite · tuff, and intercalated terrigenous sediments.

The Quaternary System consists of alluvium and talus deposits.

In the Mocha district, oxidized-leached zones consisting of limonite, hematite, jarosite and other altered minerals are widely distributed and these are directly overlain by ignimbrite. In the lower parts of the oxidized-leached zones, network quartz veinlets are developed in the sericite alteration zones in quartz porphyry host rock, and chrysocolla, atacamite, and other



- Lineament (Mocha-Queen Elizabeth)
- certain
  - uncertain
- Geological map (Mocha-Queen Elizabeth)
- Alteration zone
- Qal
  - Qtl
  - Ti4w
  - Ti4
  - Ti3
  - Ti2
  - Ti1
  - Tv
  - K2
  - K1
  - Js1
  - Js1s
  - Kp
  - Kg
  - d

- Ore deposits and Prospects
- Porphyry-Cu
  - Porphyry-Cu,Mo
  - Porphyry-Cu,Au
  - Vein and Irregular-Cu
  - Vein-Mo
  - Vein-Au
  - Vein-Ag,Pb,Zn
  - Vein-Sb
  - Vein and Irregular-Fe
  - Vein and Irregular-Mn
  - Stratiform-Cu
  - Stratiform-Mn
  - Unknown-Cu
  - Unknown-Au
  - Unknown-Ag,Pb,Zn
  - Unknown-Fe
  - Unknown-Mn

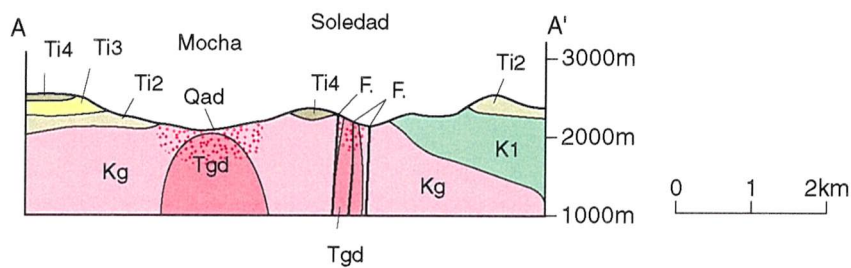
1: 100,000

0 1 2 km

Symbols for geological units refer to Table 1-3-1

Fig. 2-2-1 Geological Map of the Mocha - Soledad Area

### Mocha - Soledad



| Geologic Time  |                  | Columnar Section                       | Lithology   | Intrusives  | Mineralization       |
|----------------|------------------|--|---|---|----------------------|
| CENOZOIC       | QUATERNARY       |  | Alluvial Talus  | Quartz diorite (Kg)<br>Granodiorite porphyry, Quartz porphyry (Tgd) | Porphyry copper type |
|                | LATE TERTIARY    |  | Dacitic ignimbrite<br>Tuff, sediments                 |   |                      |
|                |                  |  | Rhyolitic ~ basaltic flow<br>Pyroclastic rock         |   |                      |
|                |                  |  | Ignimbrite,<br>Intercalation of continental sediments |   |                      |
| EARLY TERTIARY |                  | Intercalation of continental sediments |   |   |                      |
| MESOZOIC       | LATE CRETACEOUS  |  |   |   |                      |
|                | EARLY CRETACEOUS |  | Rhyolitic ~ andesitic lava / volcaniclastics          |   |                      |

Fig. 2-2-2 Schematic Stratigraphic Columns and Profiles of the Mocha - Soledad Area



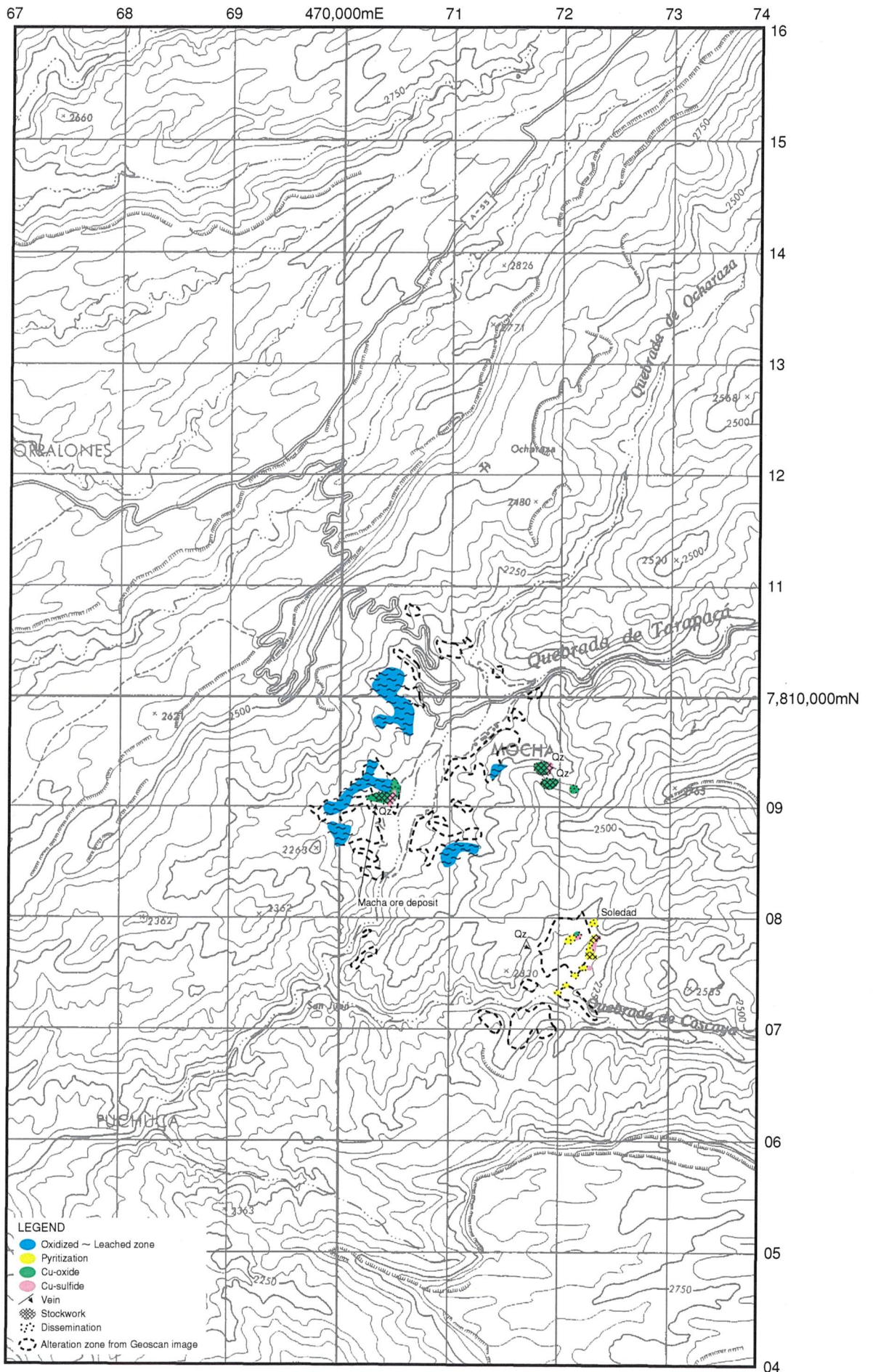


Fig. 2-2-3 Mineralization Map of the Mohca-Soledad Area

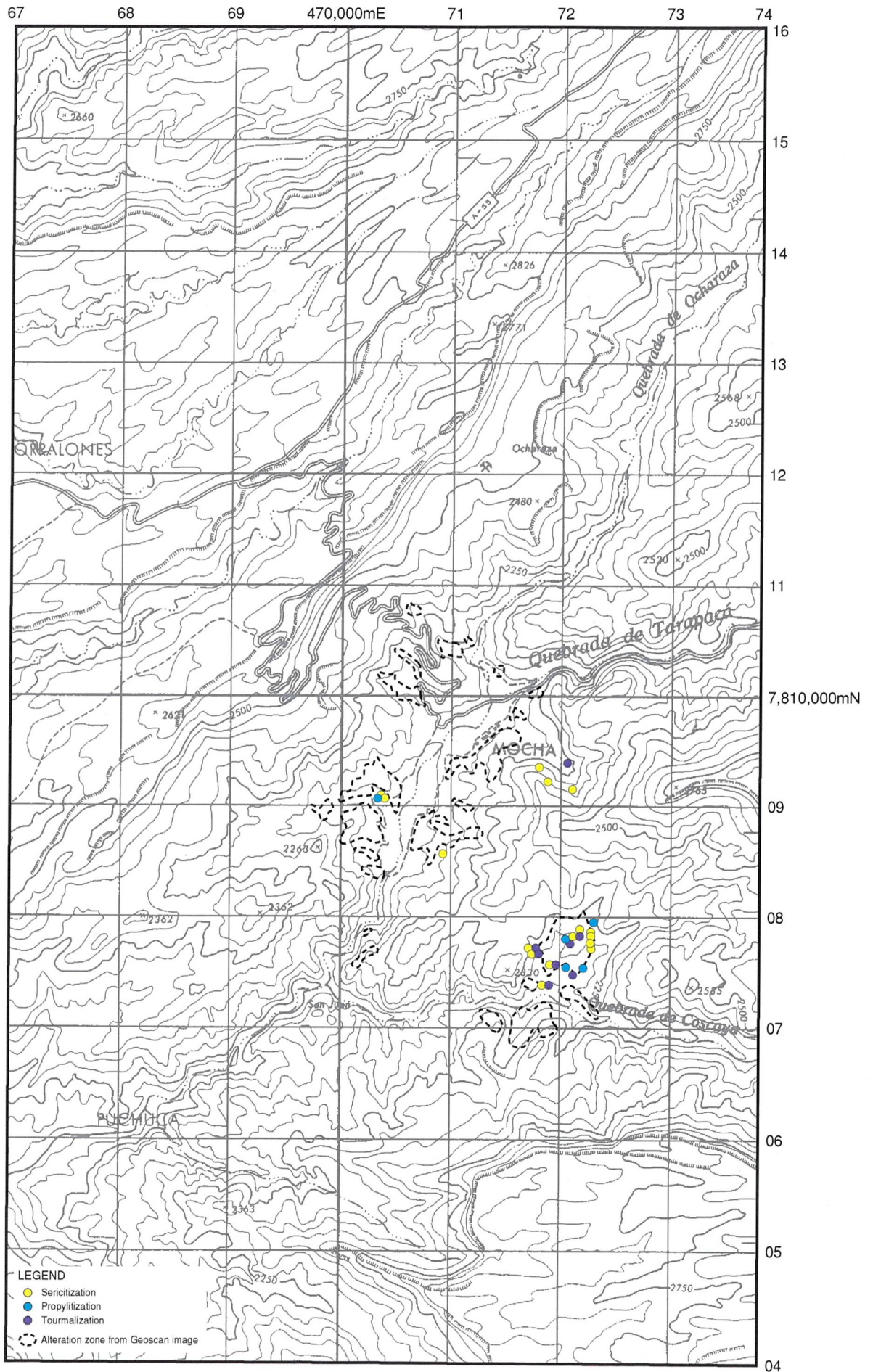


Fig. 2-2-4 Distribution Map of Alteration Minerals at the Mohca-Soledad Area

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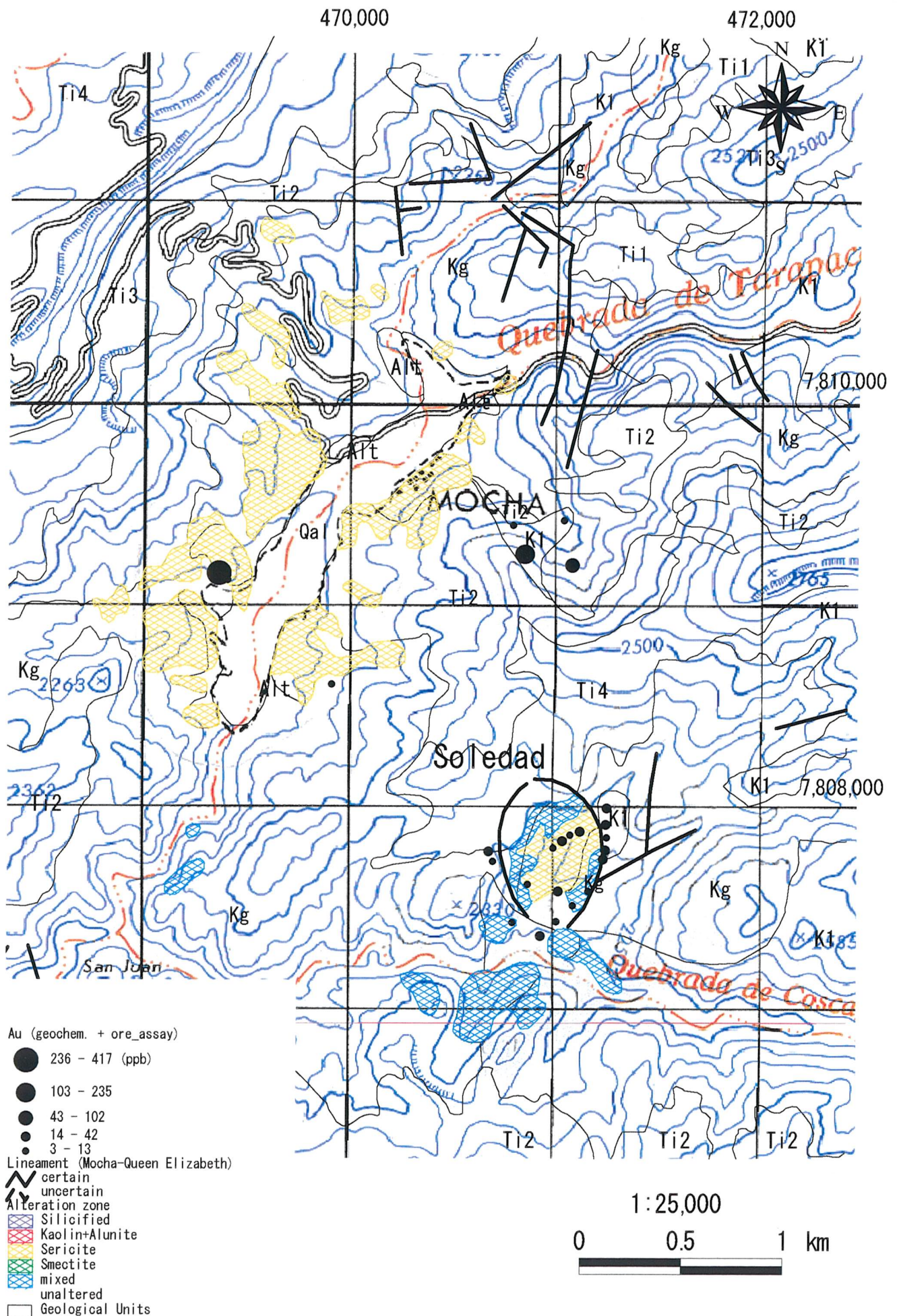


Fig. 2-2-5 (1) Geochemical Anomaly Map in the Mocha - Soledad Area (Au)

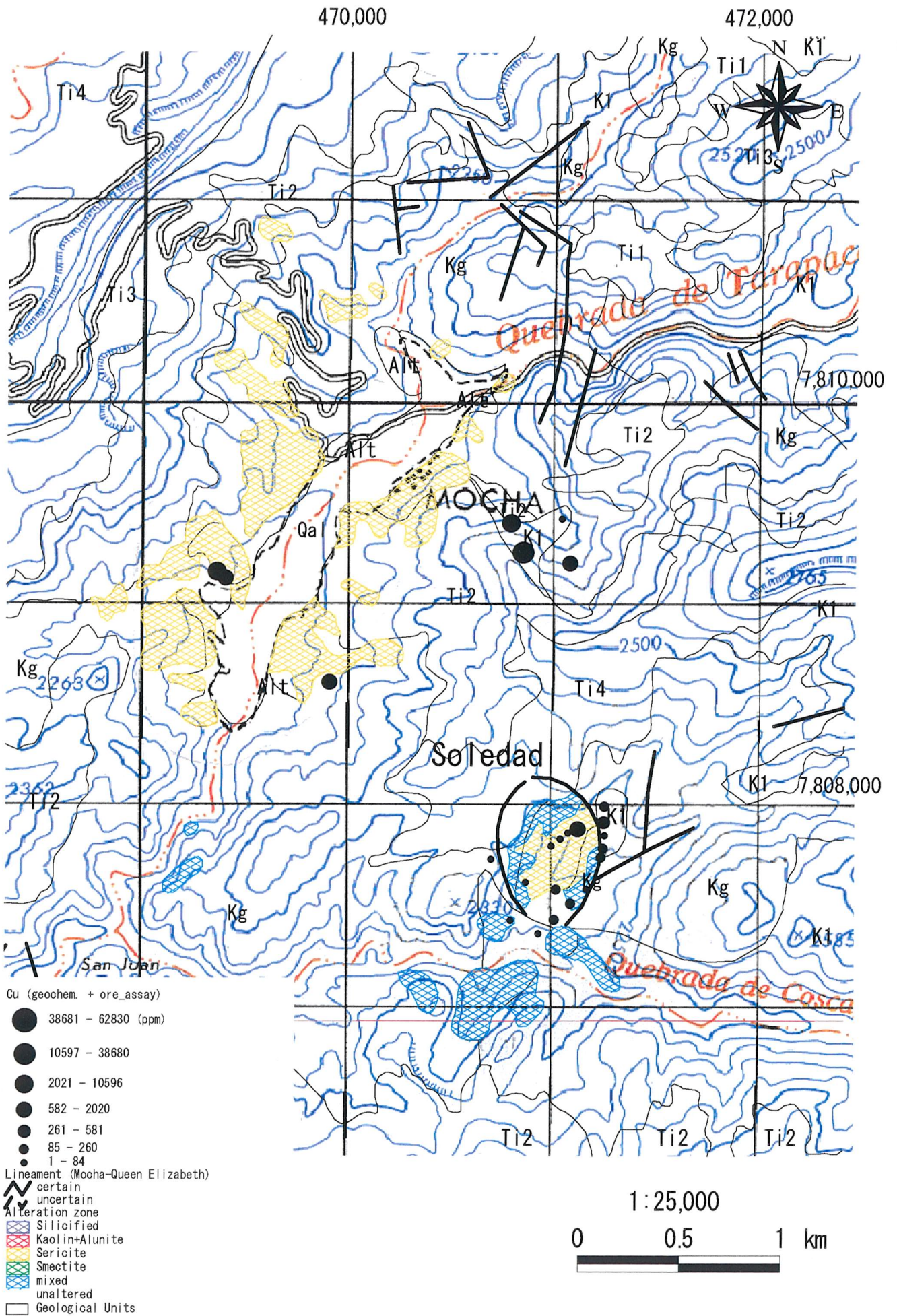


Fig. 2-2-5 (2) Geochemical Anomaly Map in the Mocha - Soledad Area (Cu)

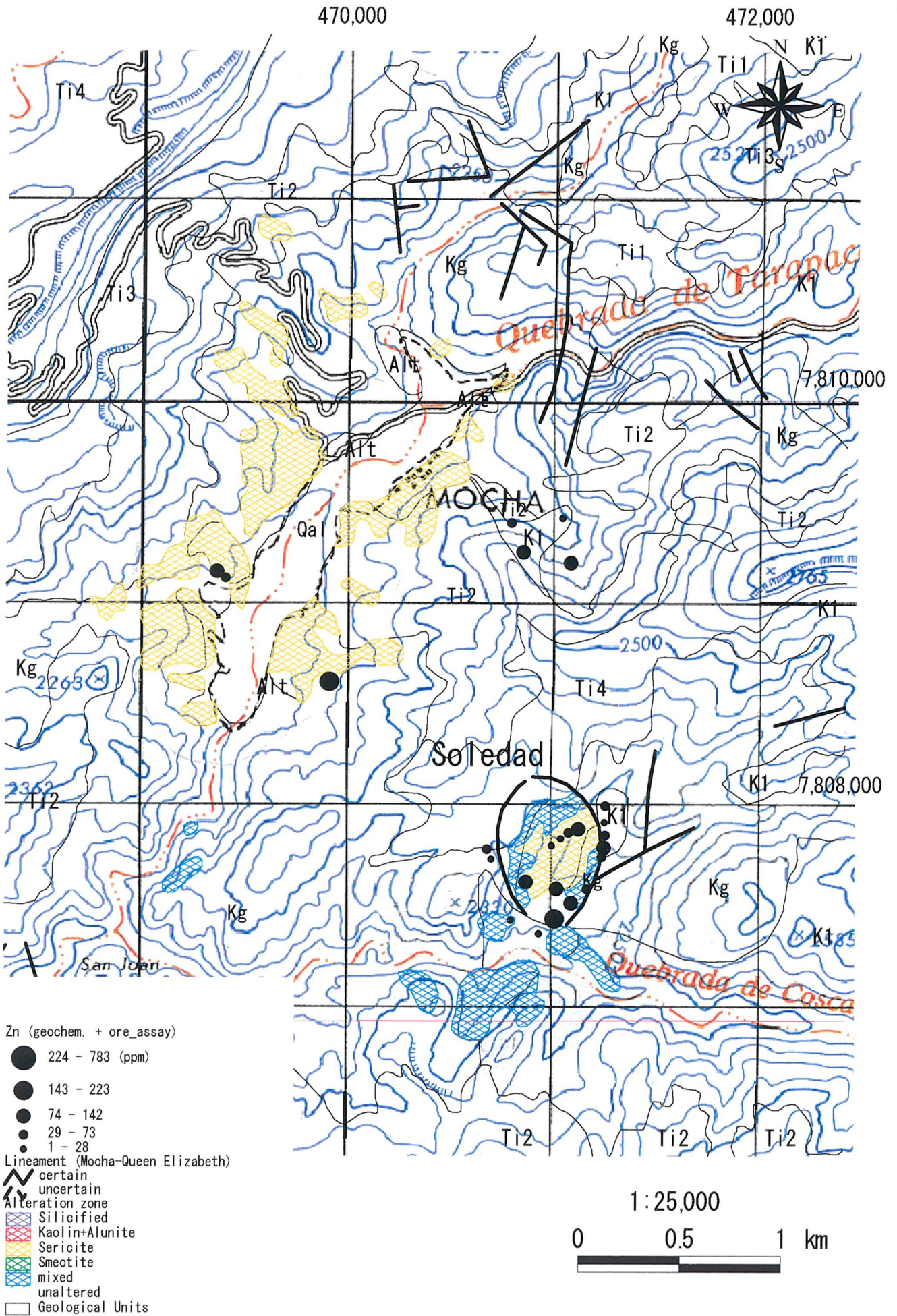


Fig. 2-2-5 (3) Geochemical Anomaly Map in the Mocha - Soledad Area (Zn)

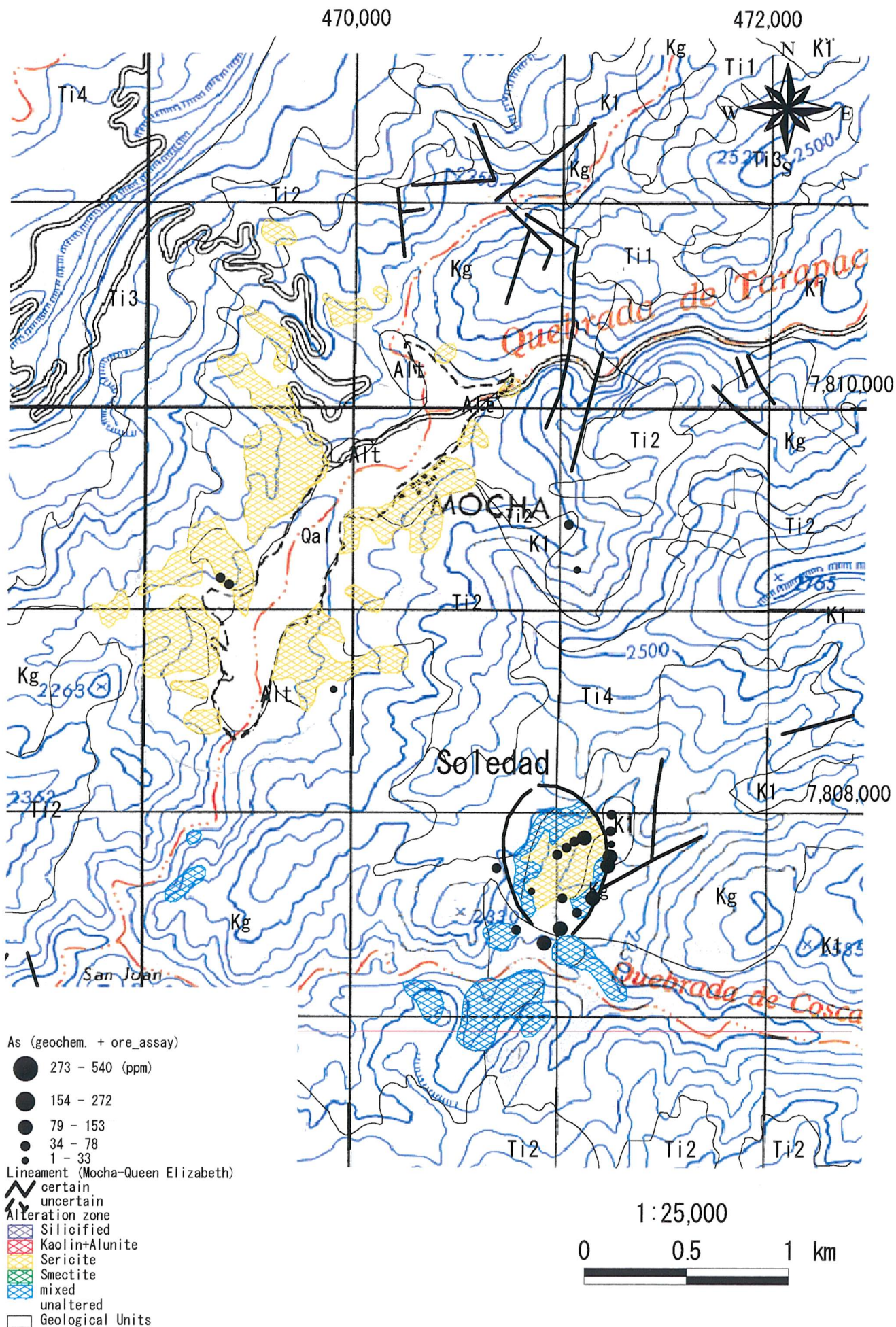


Fig. 2-2-5 (4) Geochemical Anomaly Map in the Mocha - Soledad Area (As)