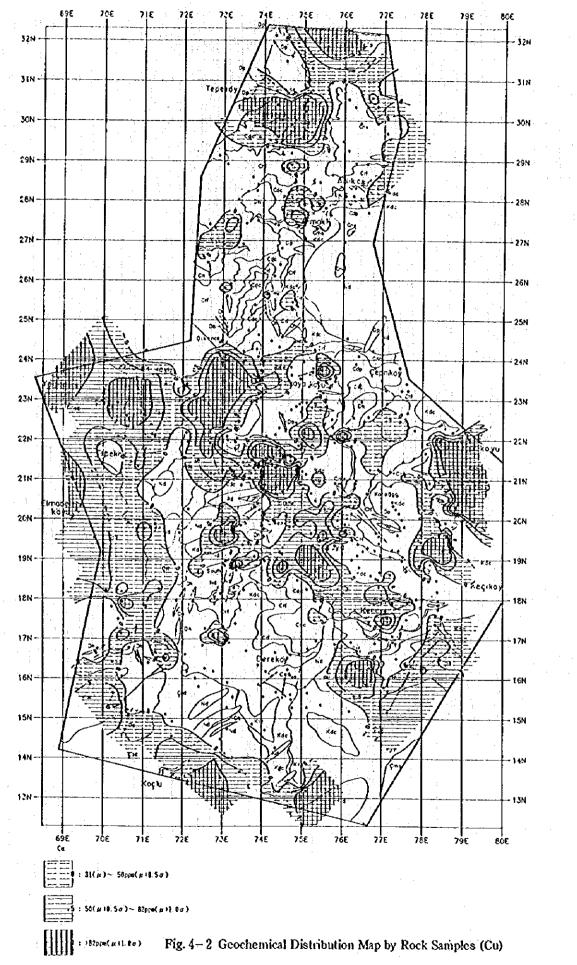


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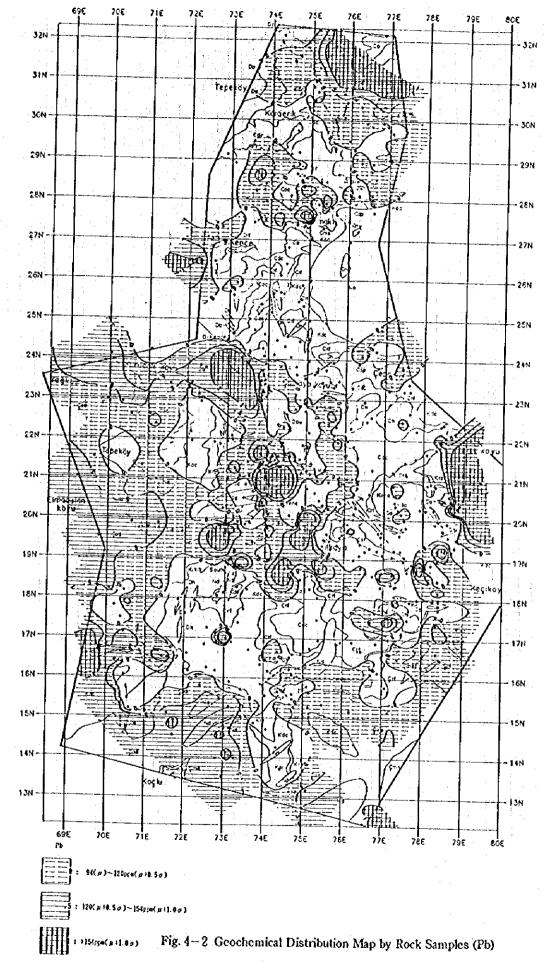
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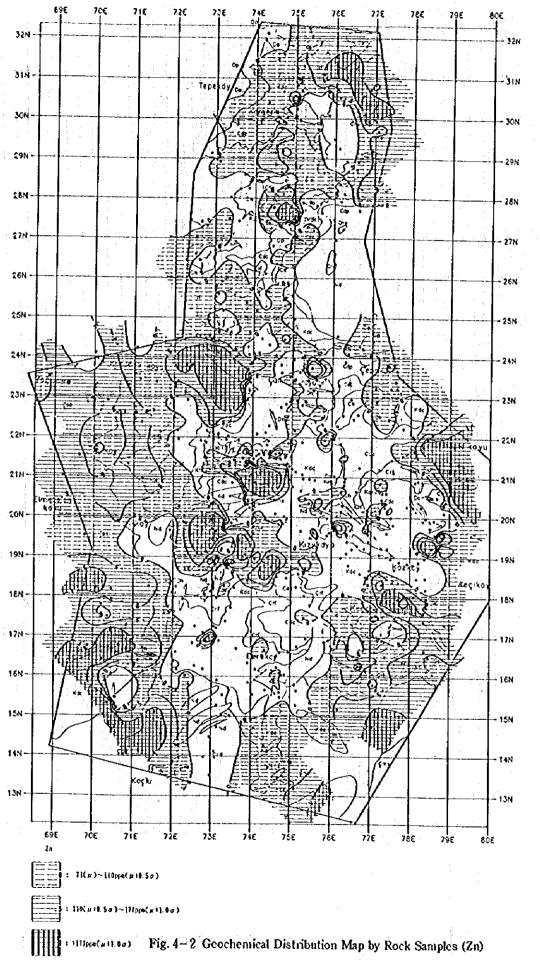
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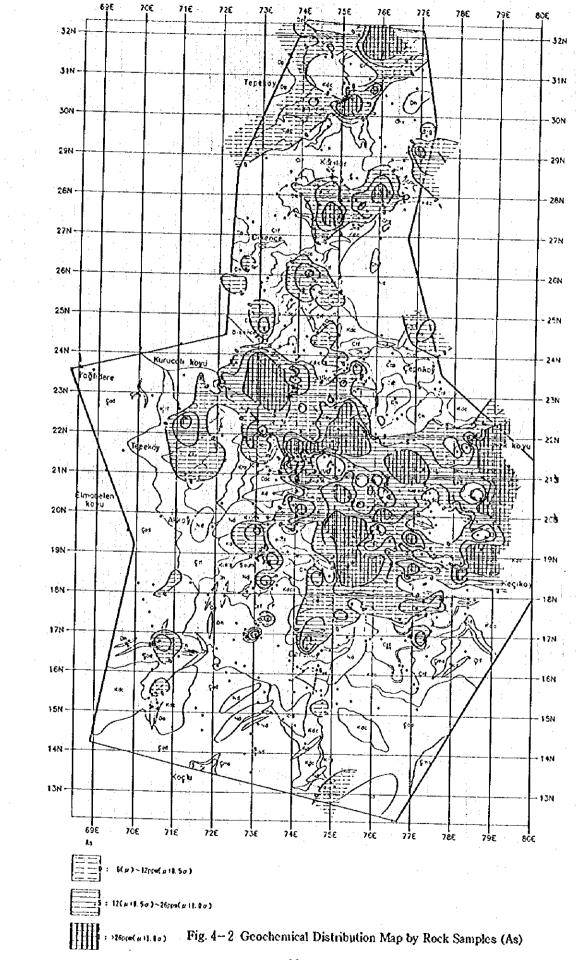
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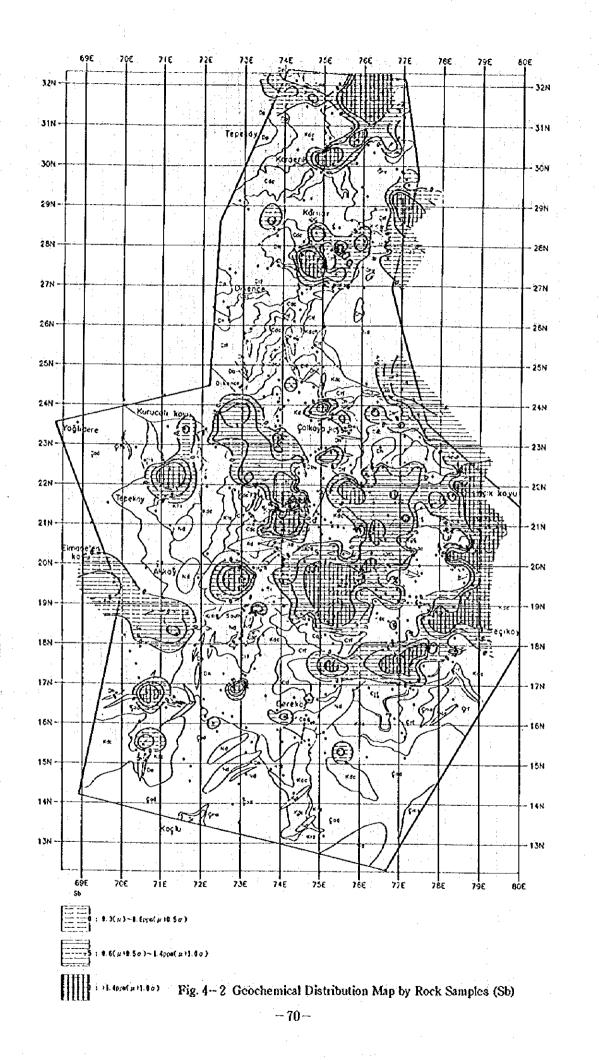


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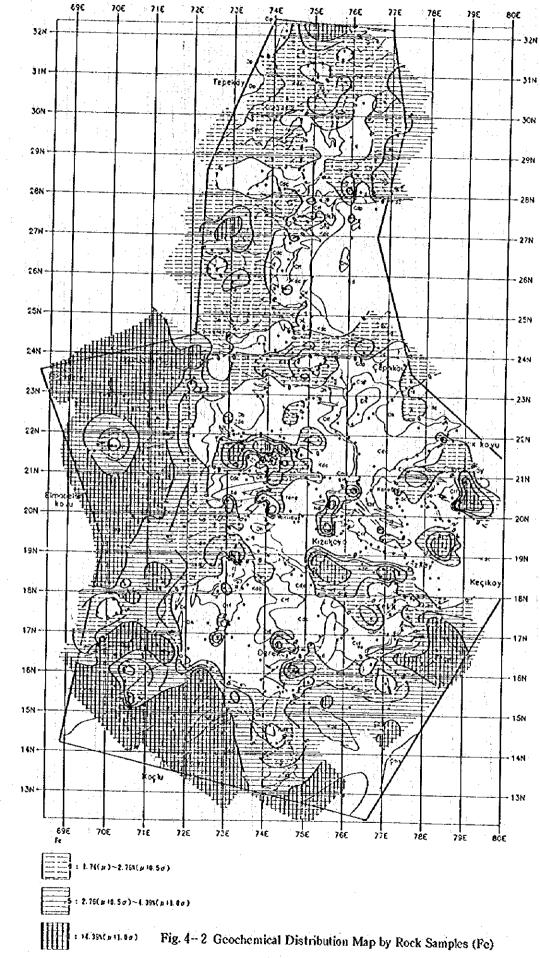
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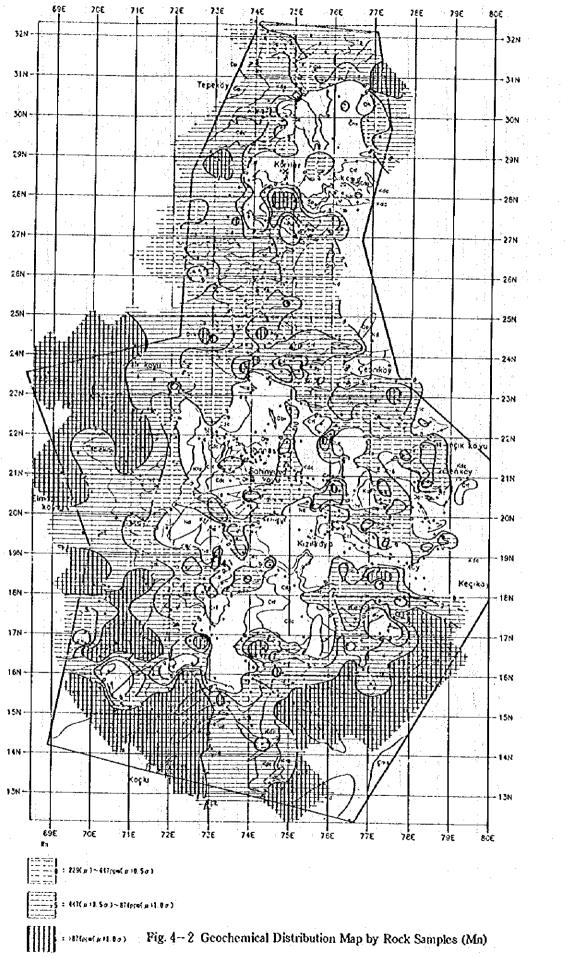
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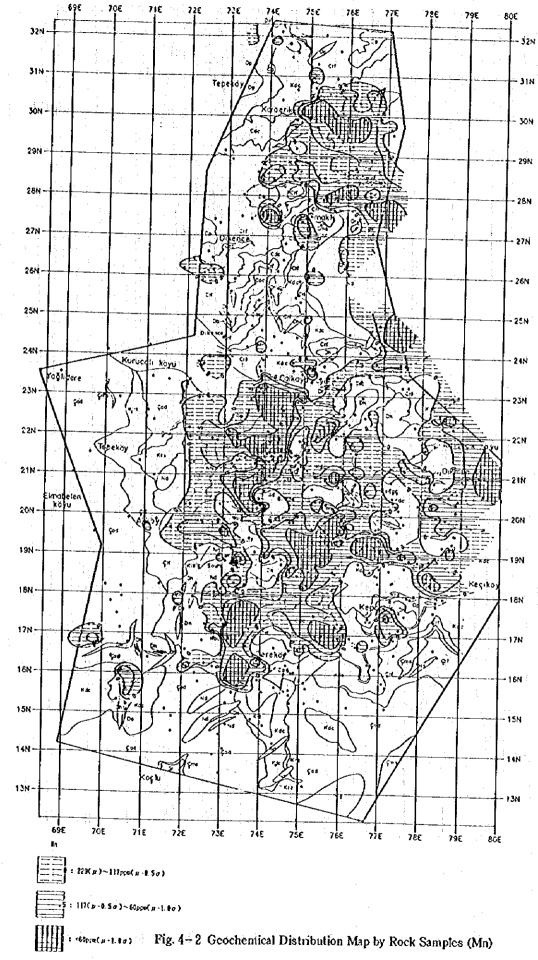
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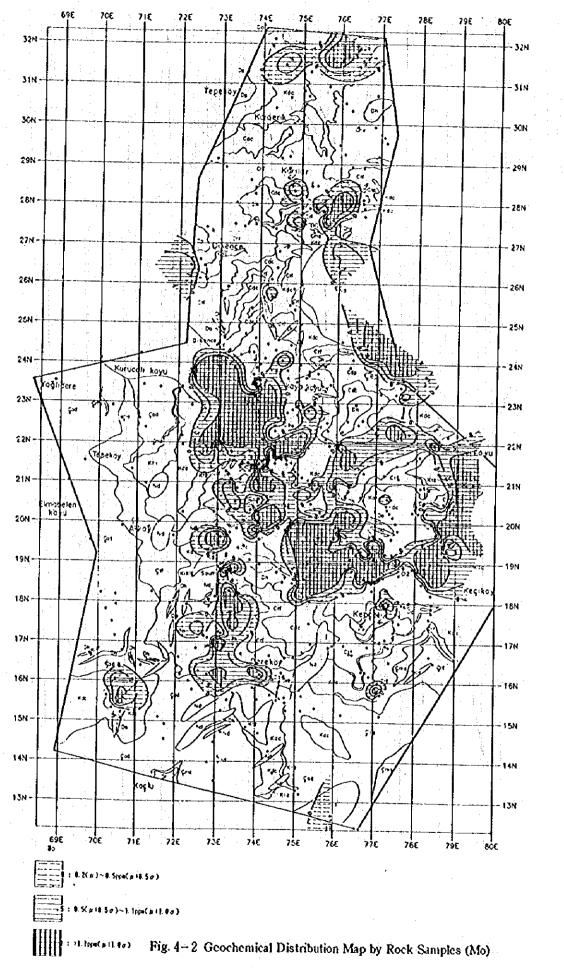


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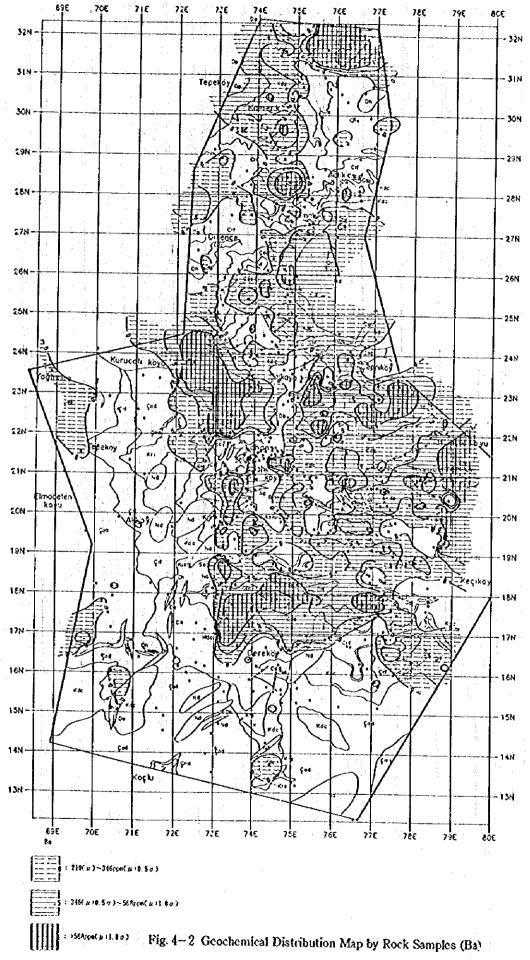
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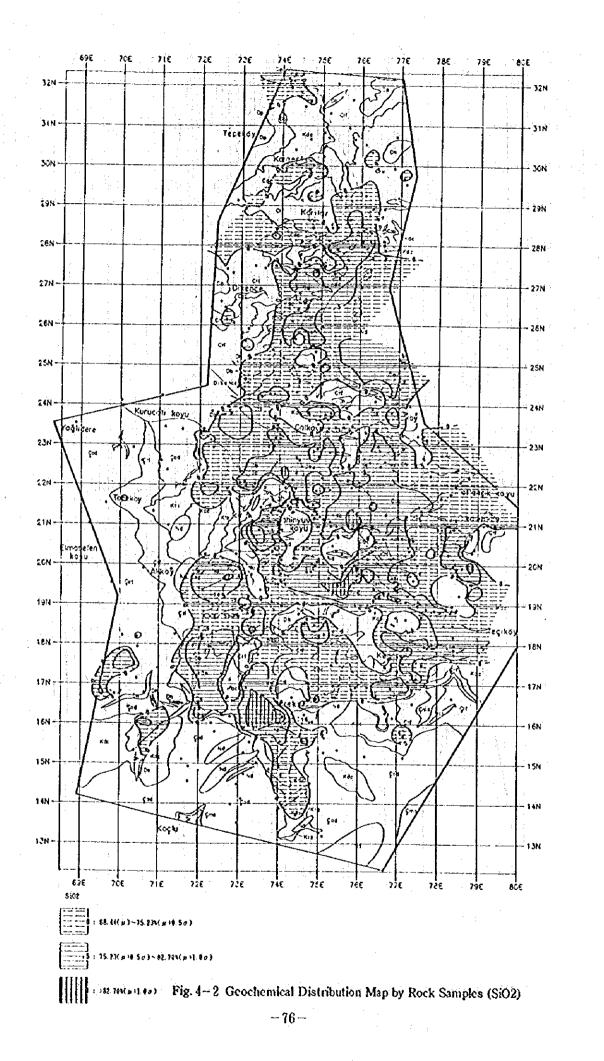
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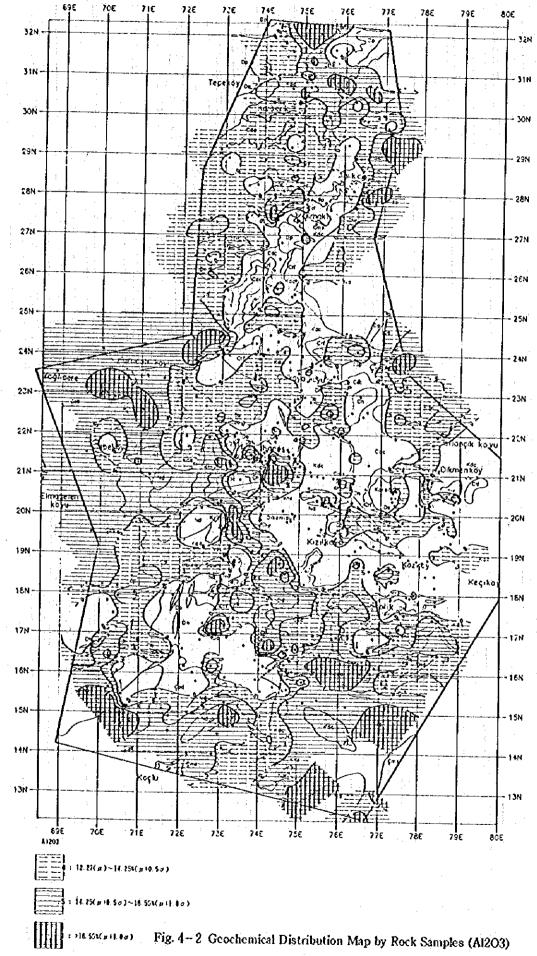


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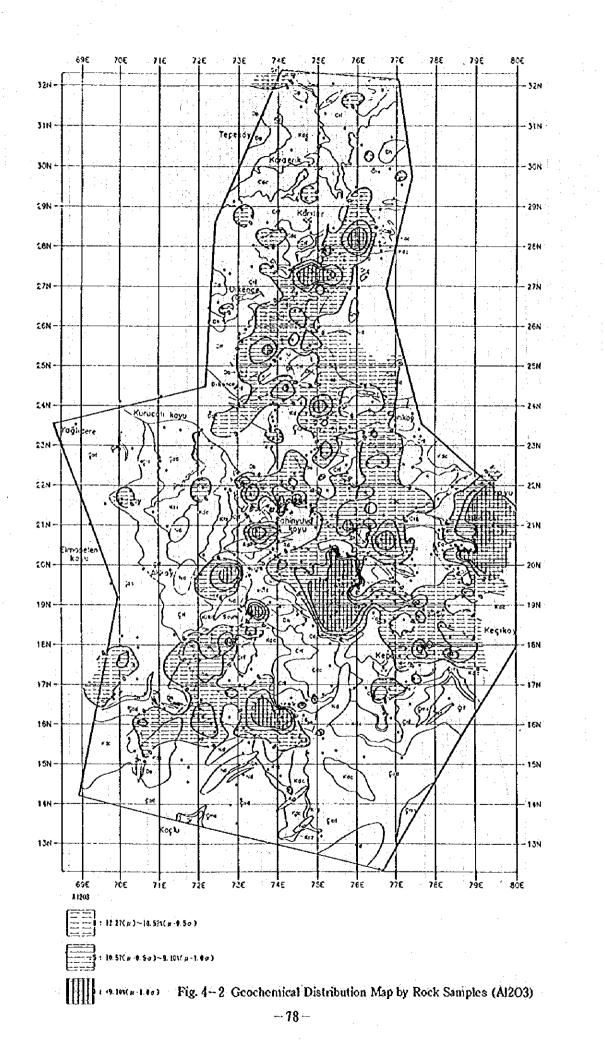
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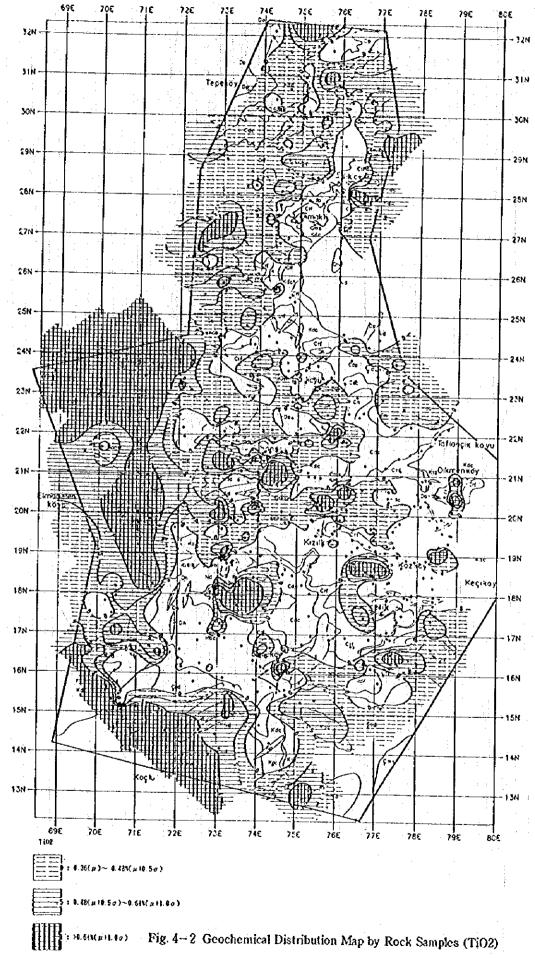


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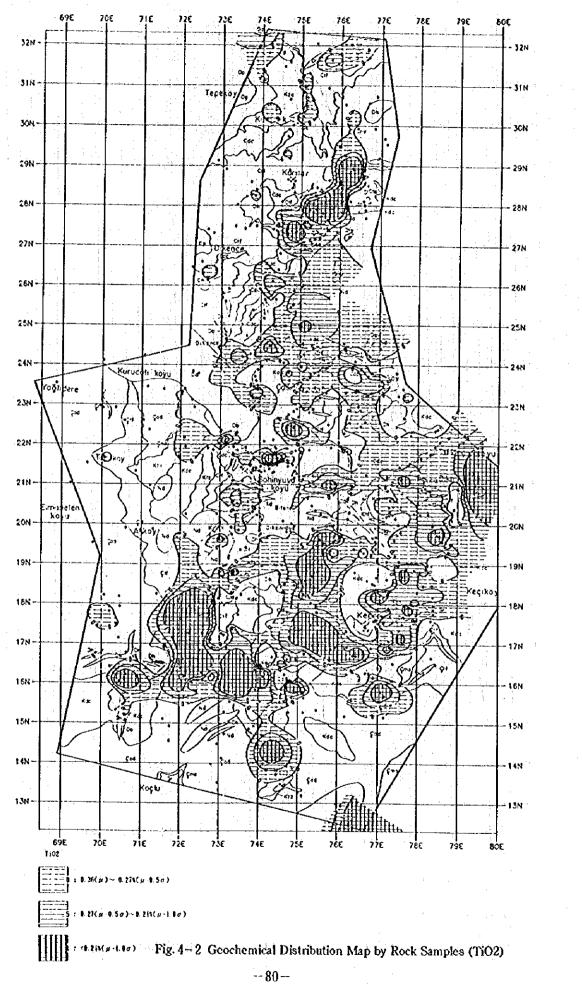


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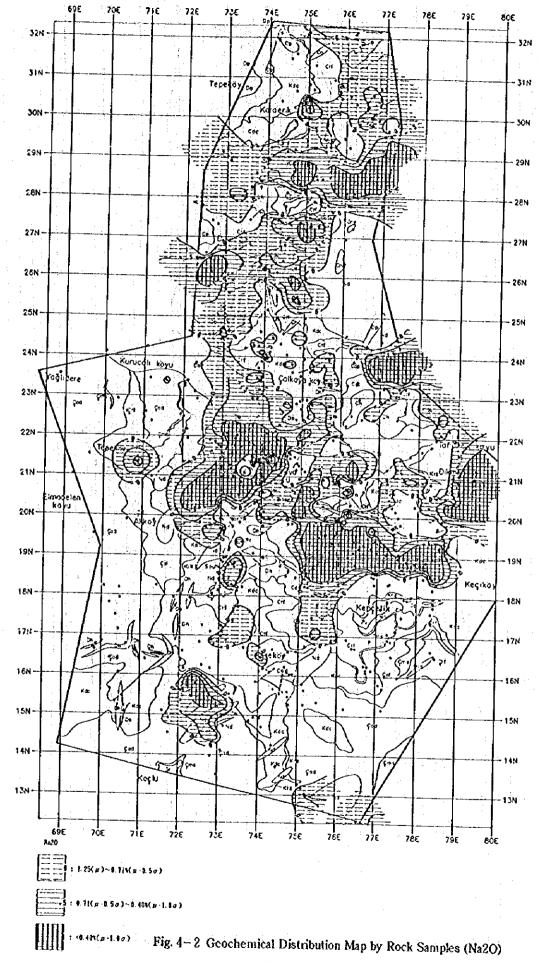
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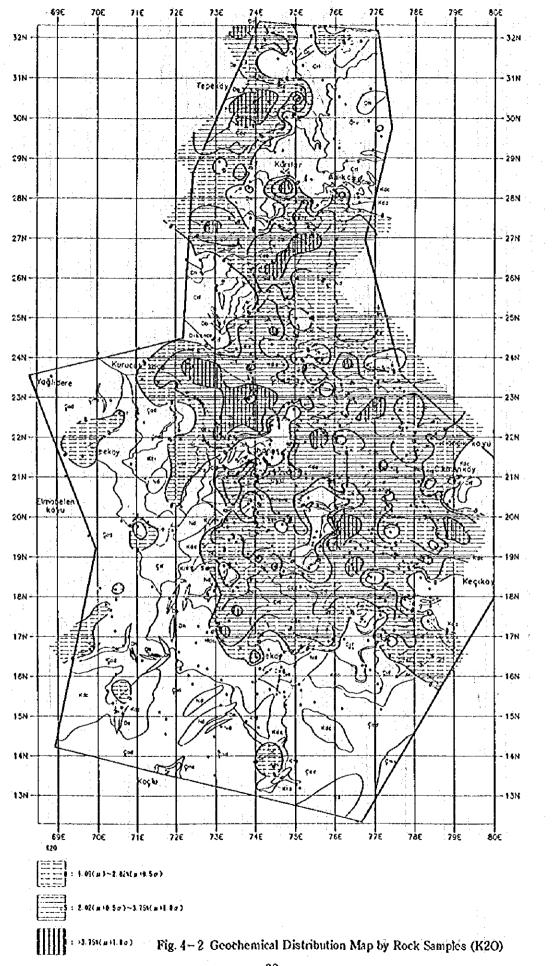


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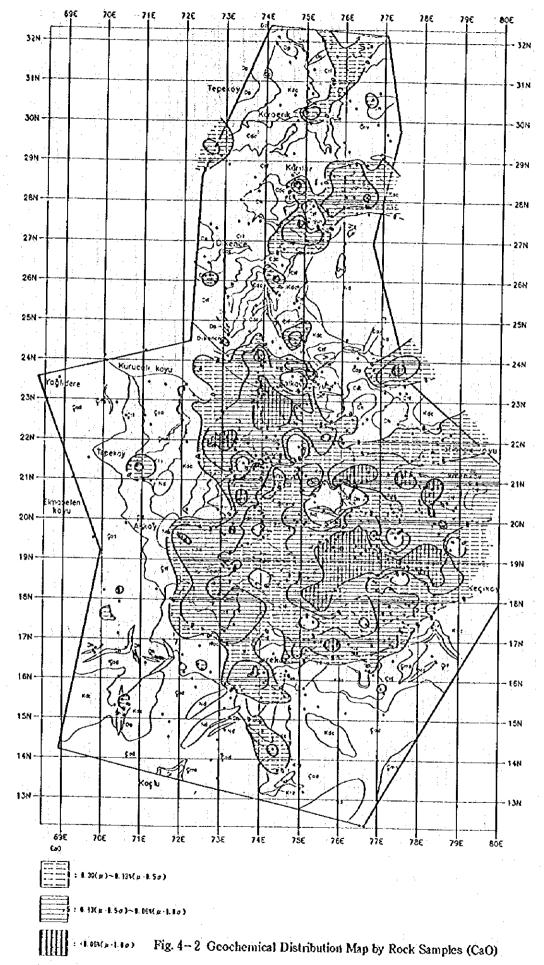
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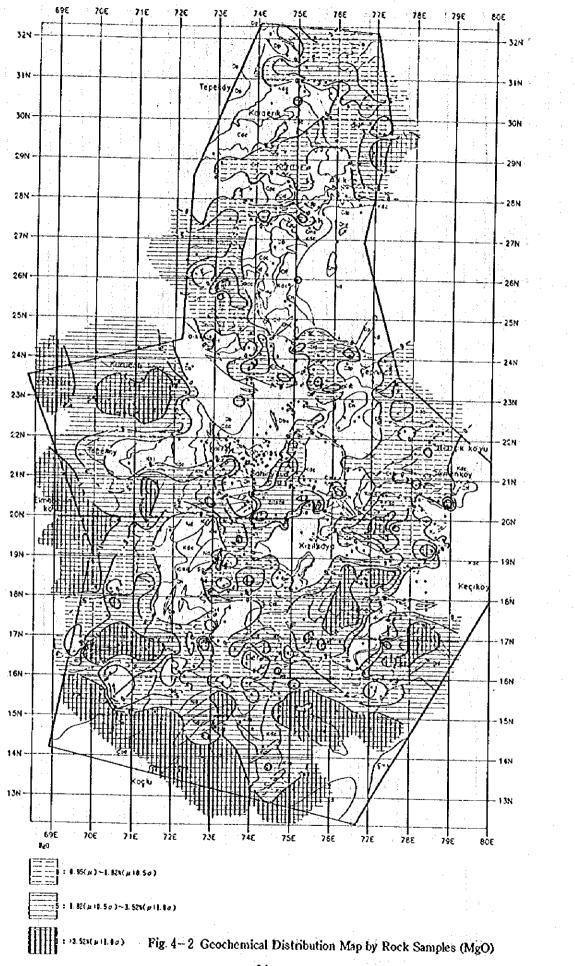
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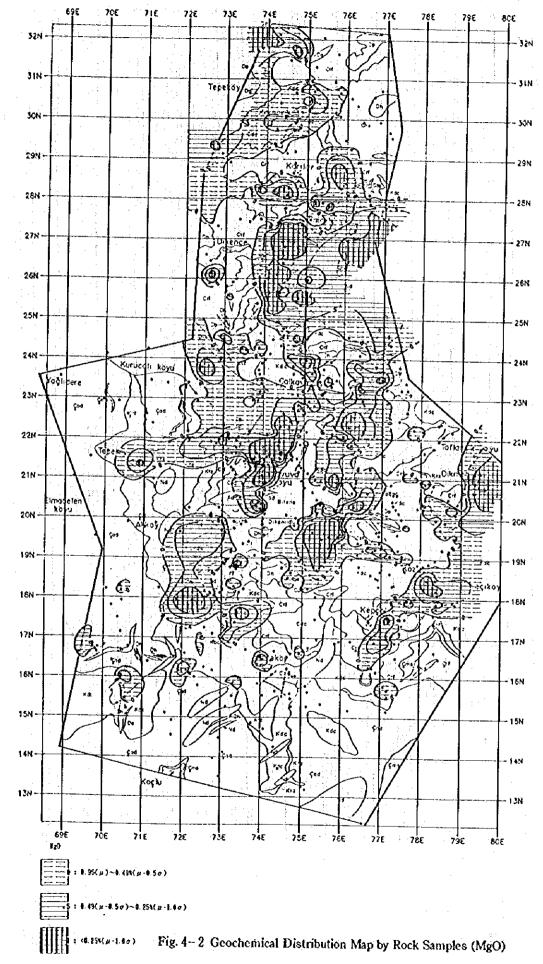


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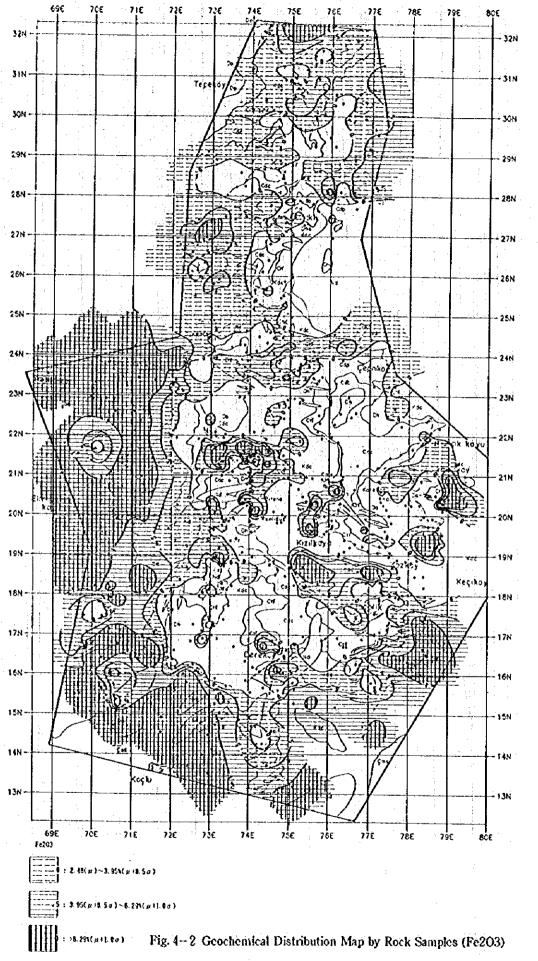
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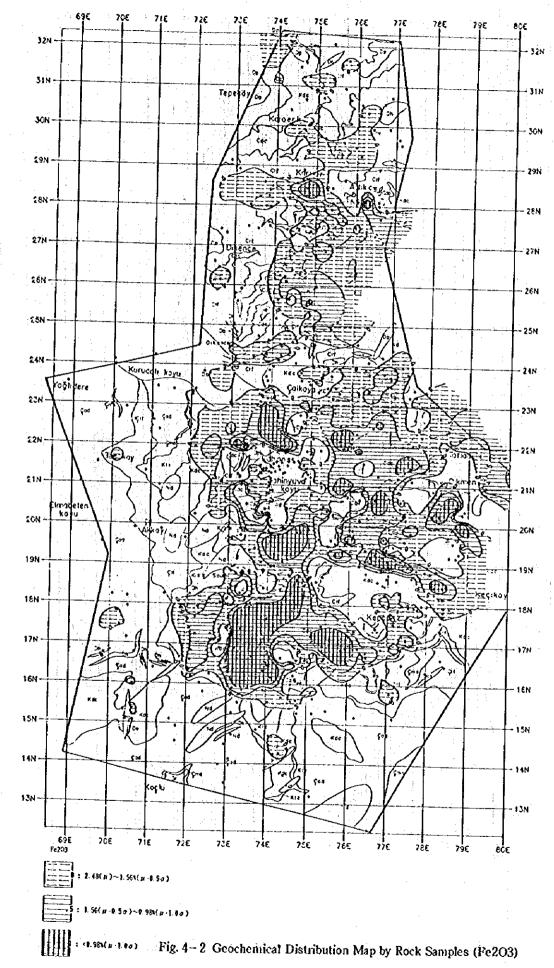
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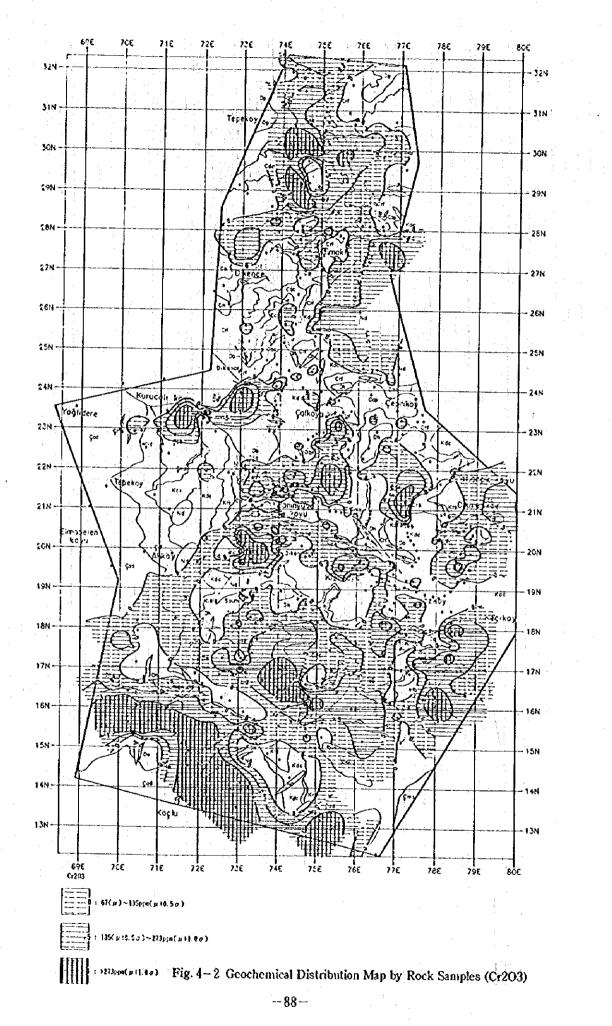
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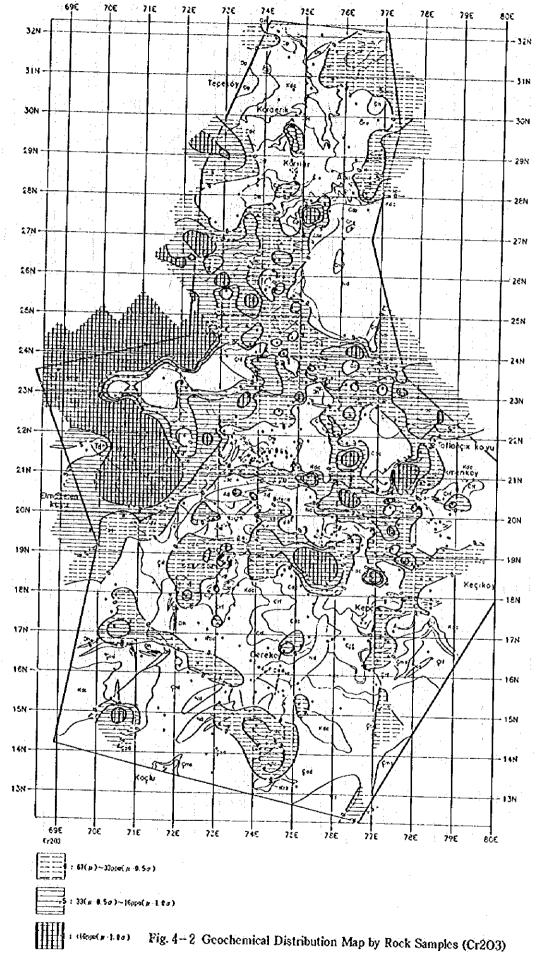


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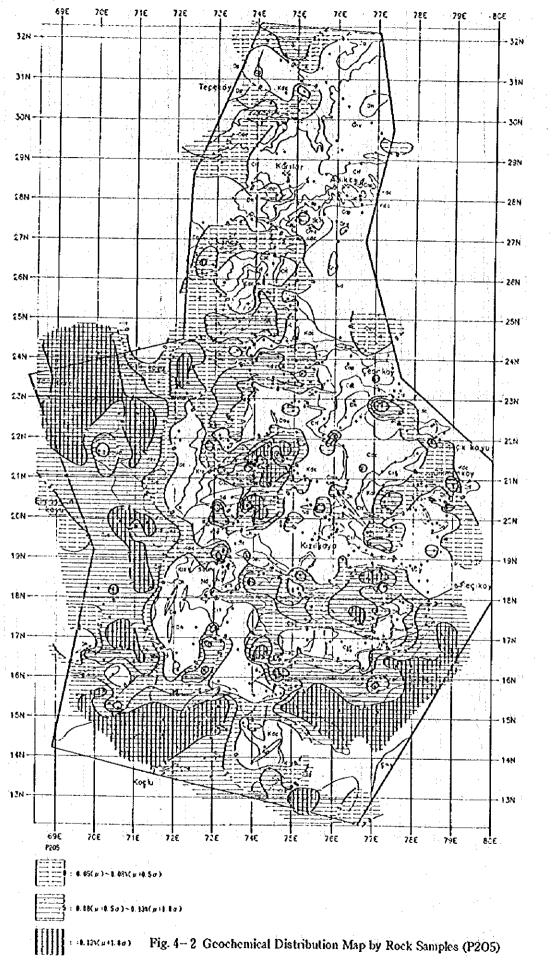
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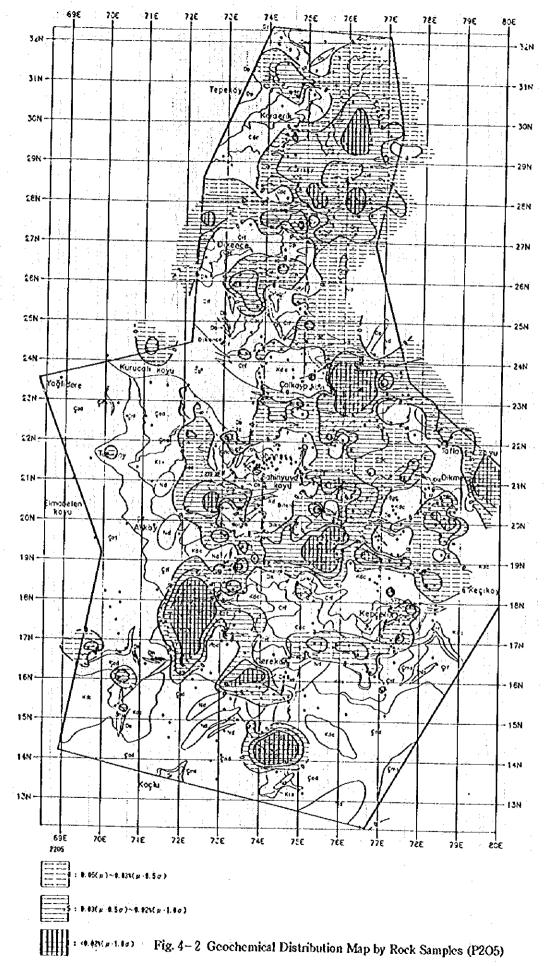
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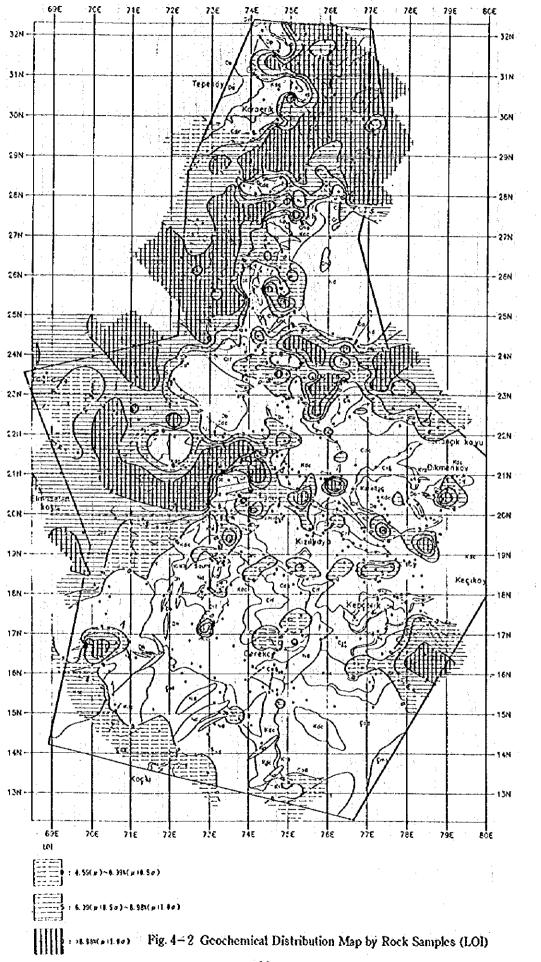


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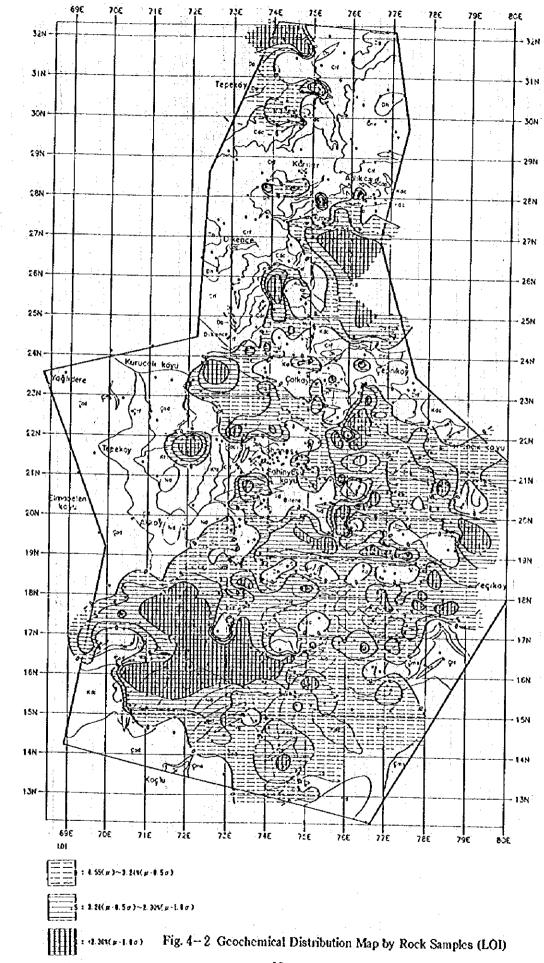
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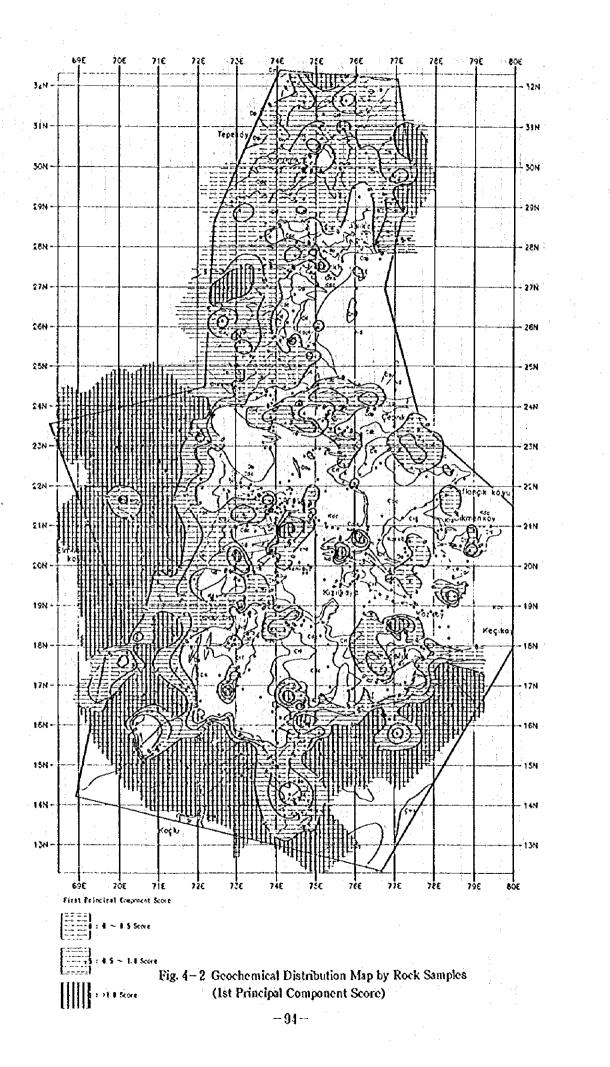


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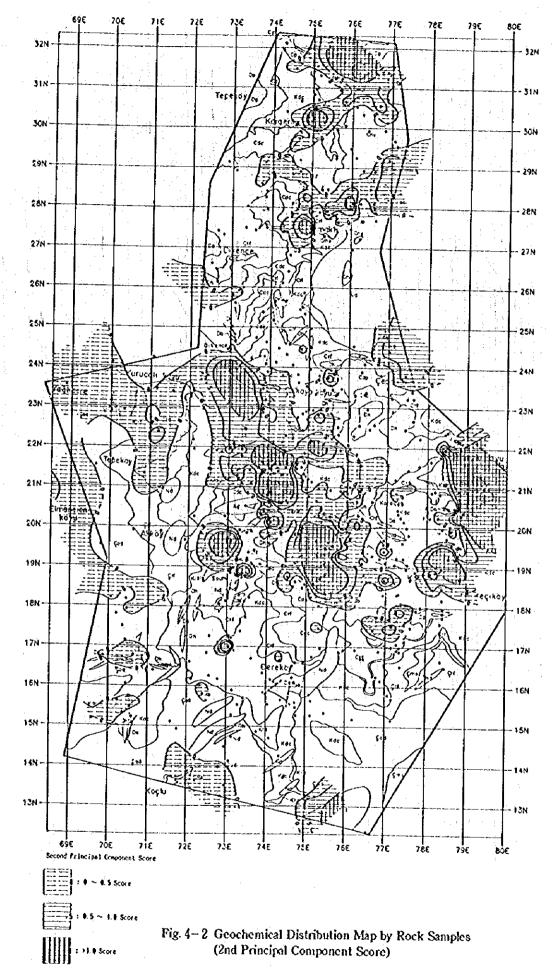
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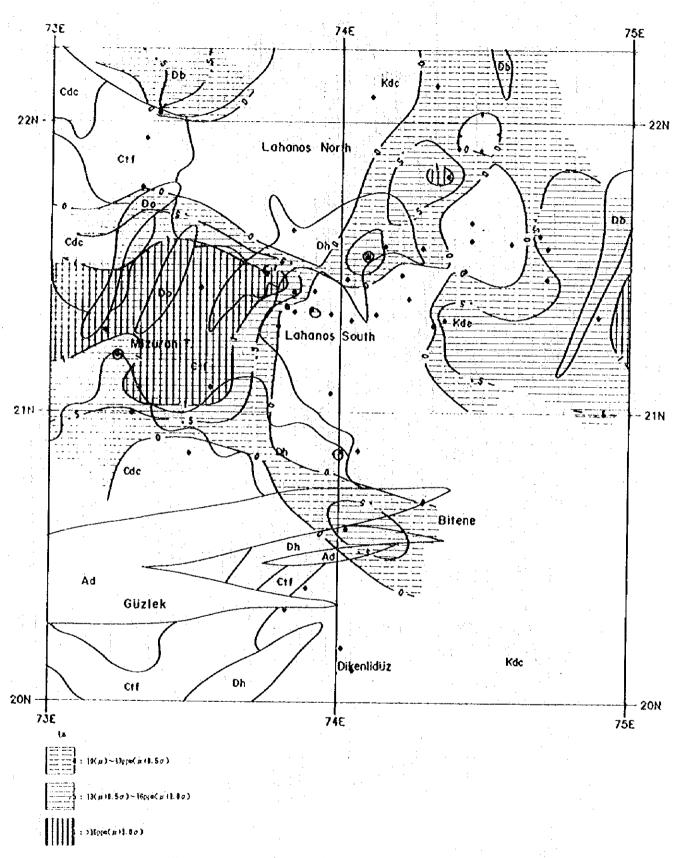


Fig. 4-2 Geochemical Distribution Map by Rock Samples (La)

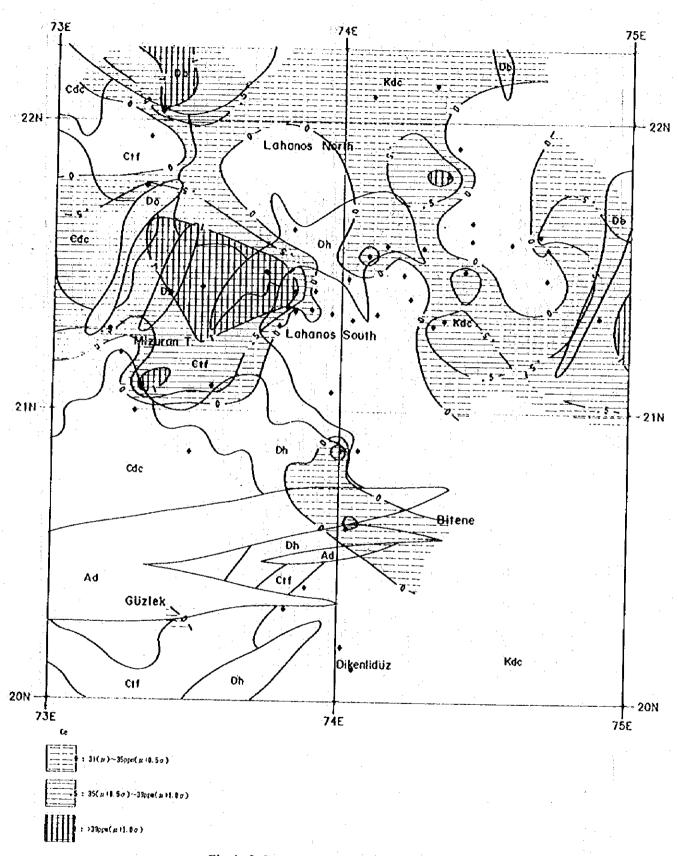
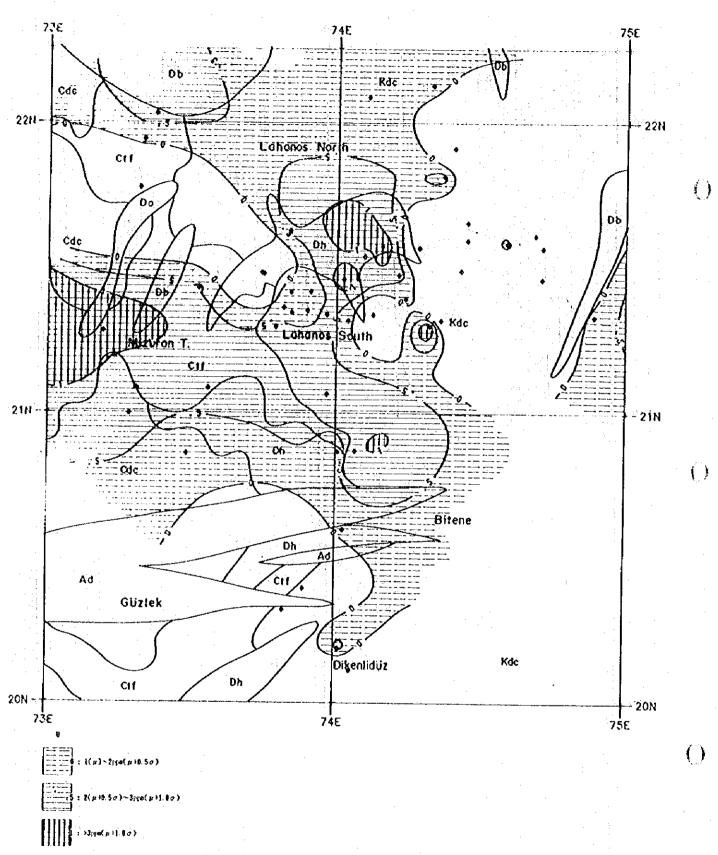
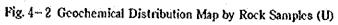


Fig. 4-2 Geochemical Distribution Map by Rock Samples (Ce)





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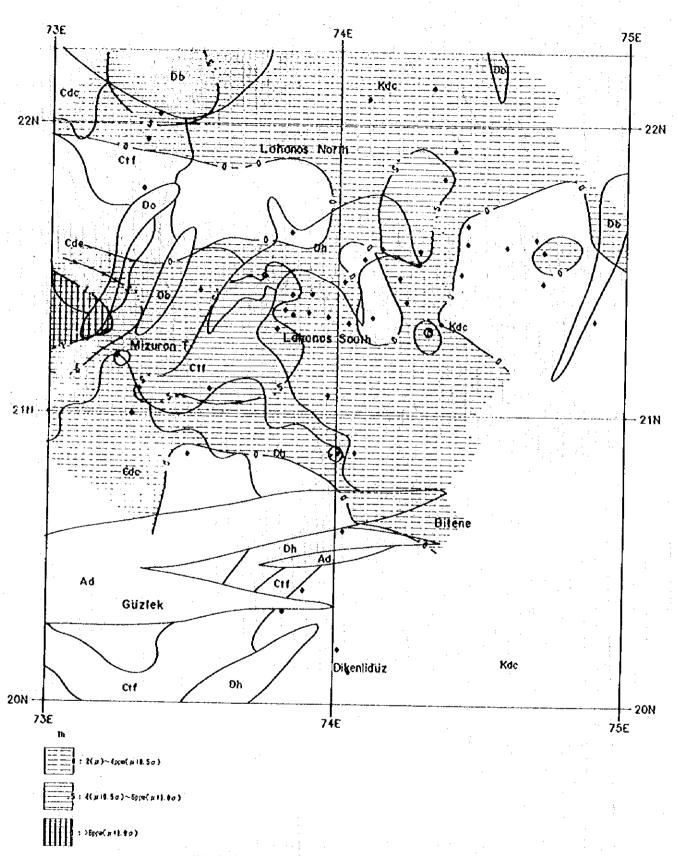
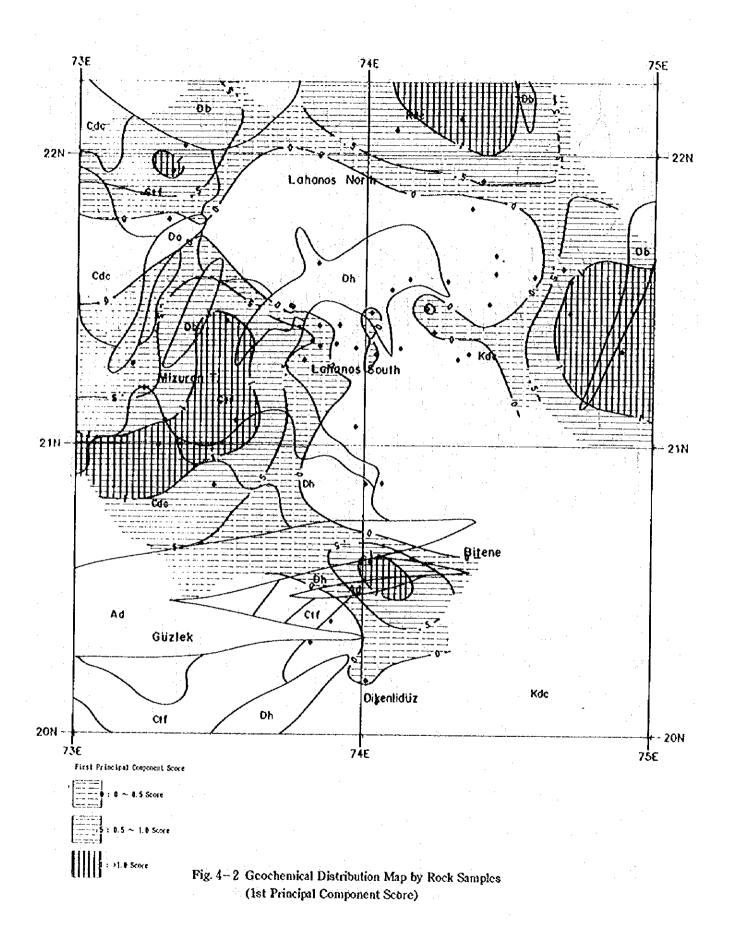
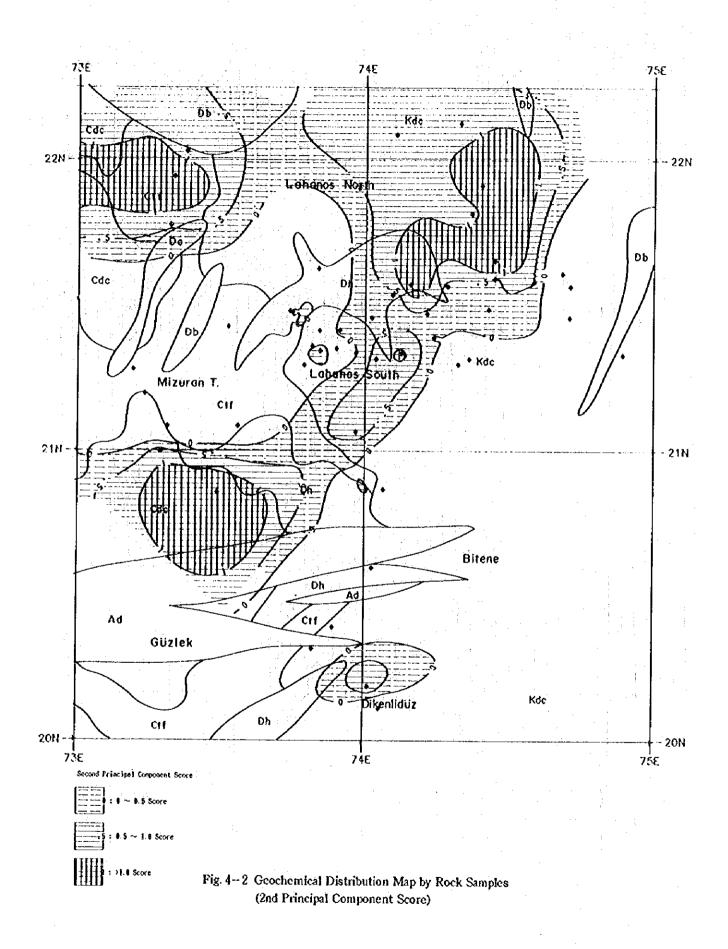
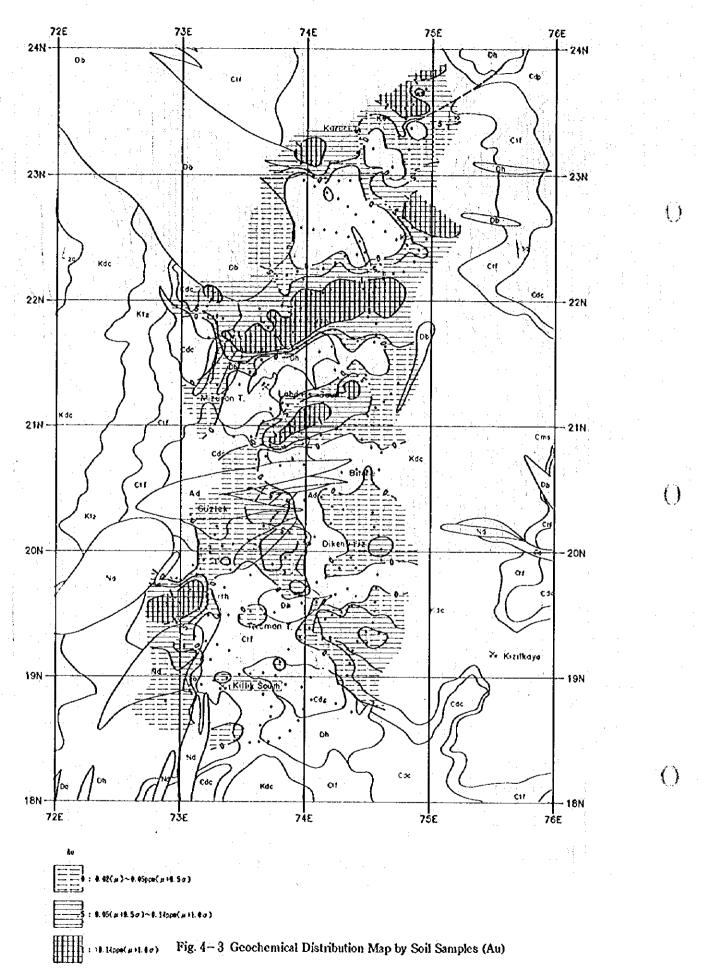


Fig. 4-2 Geochemical Distribution Map by Rock Samples (Th)

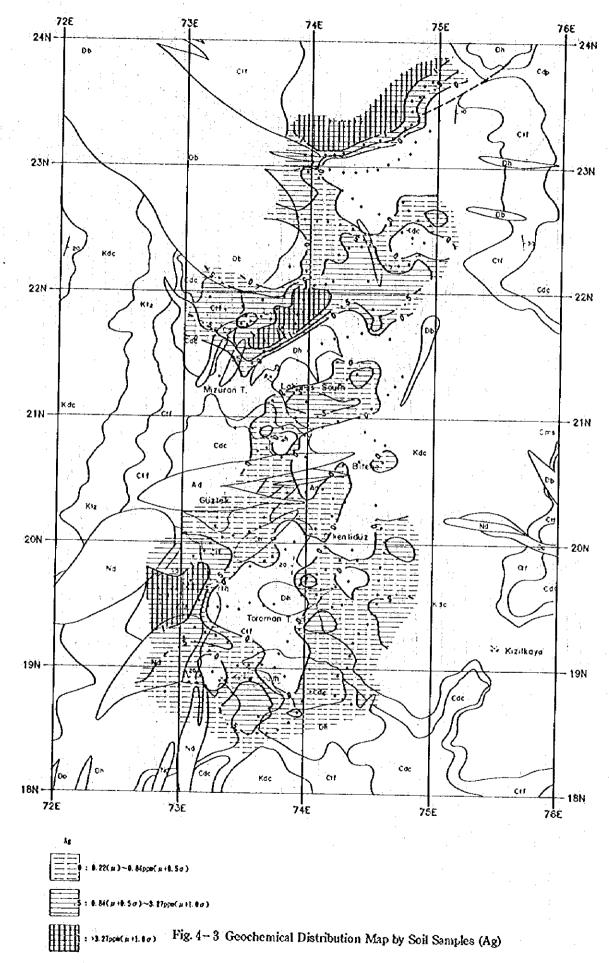


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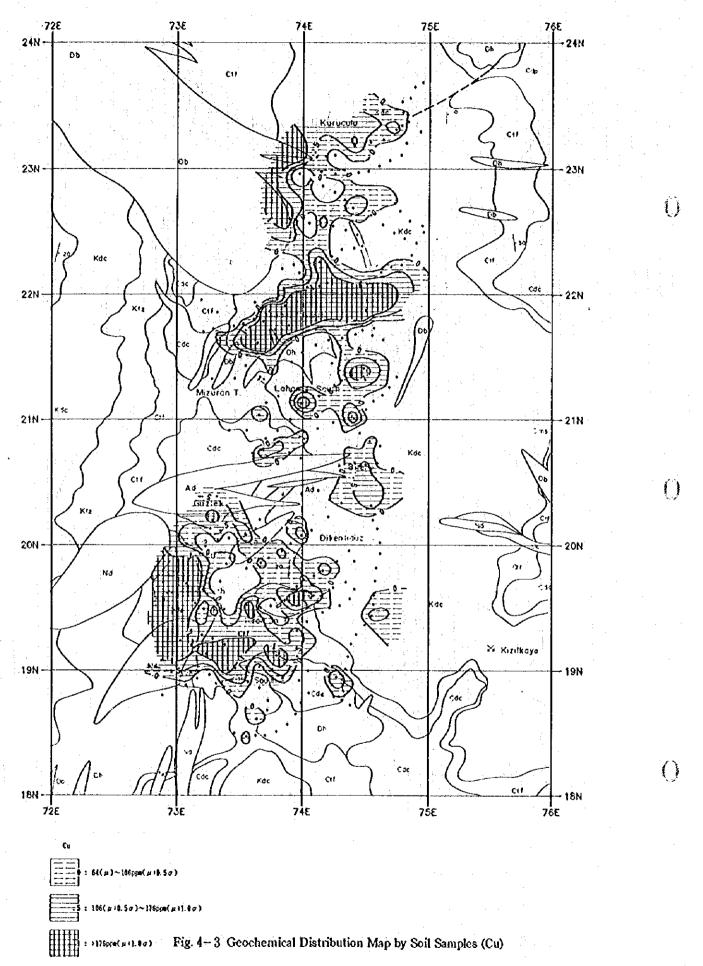


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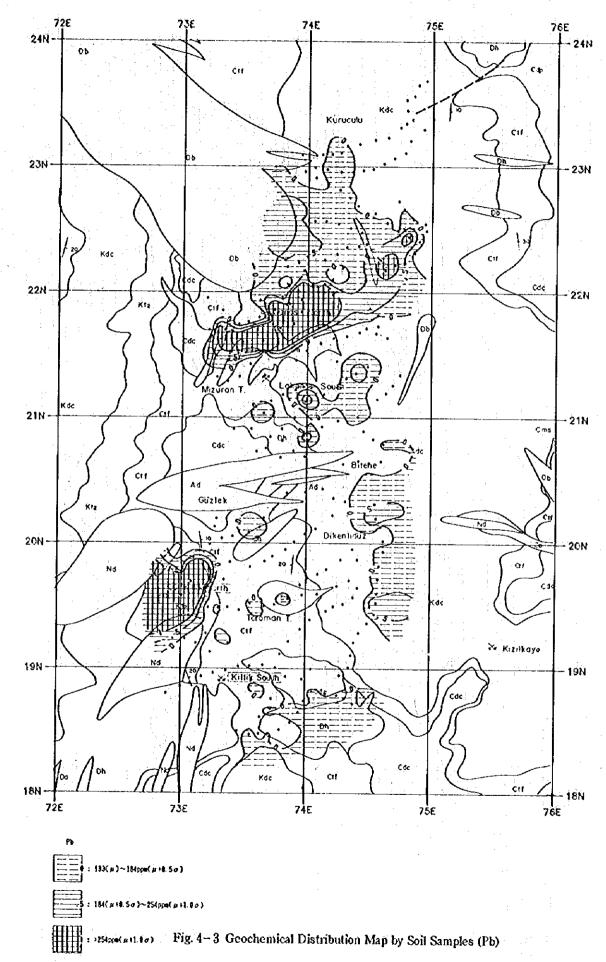


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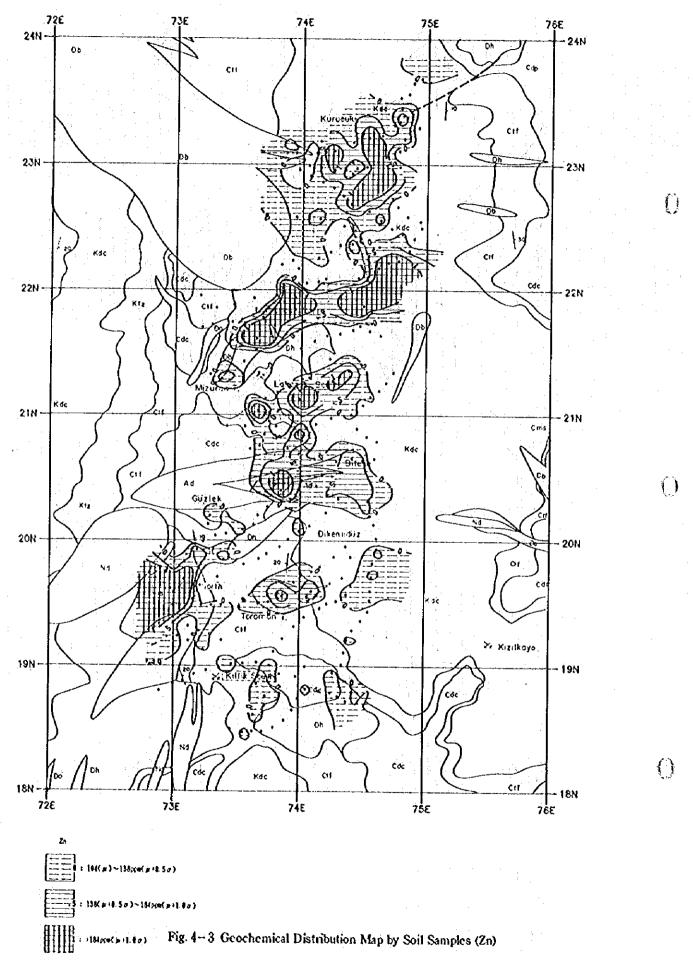
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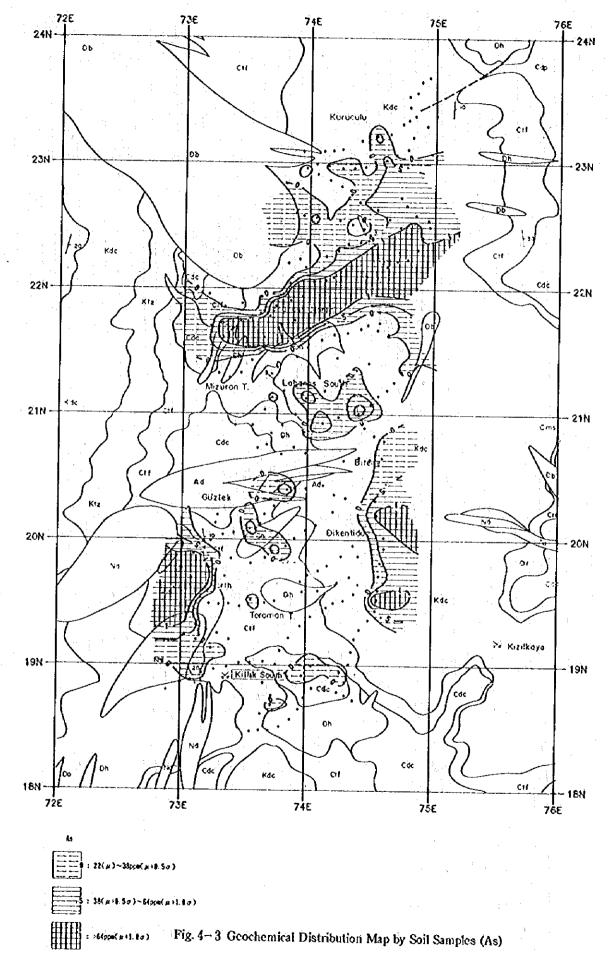
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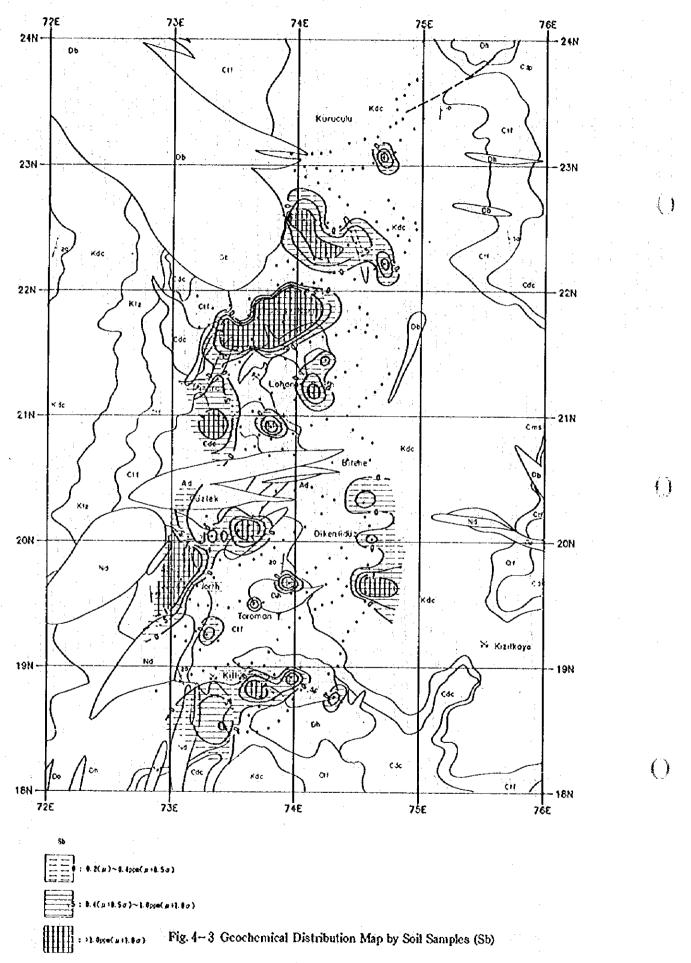
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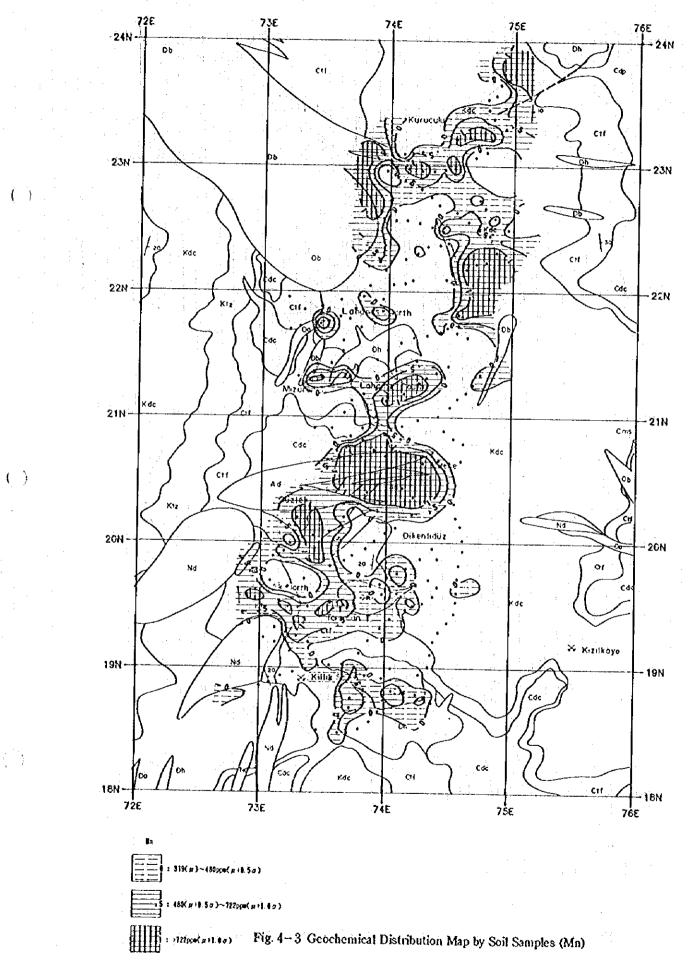
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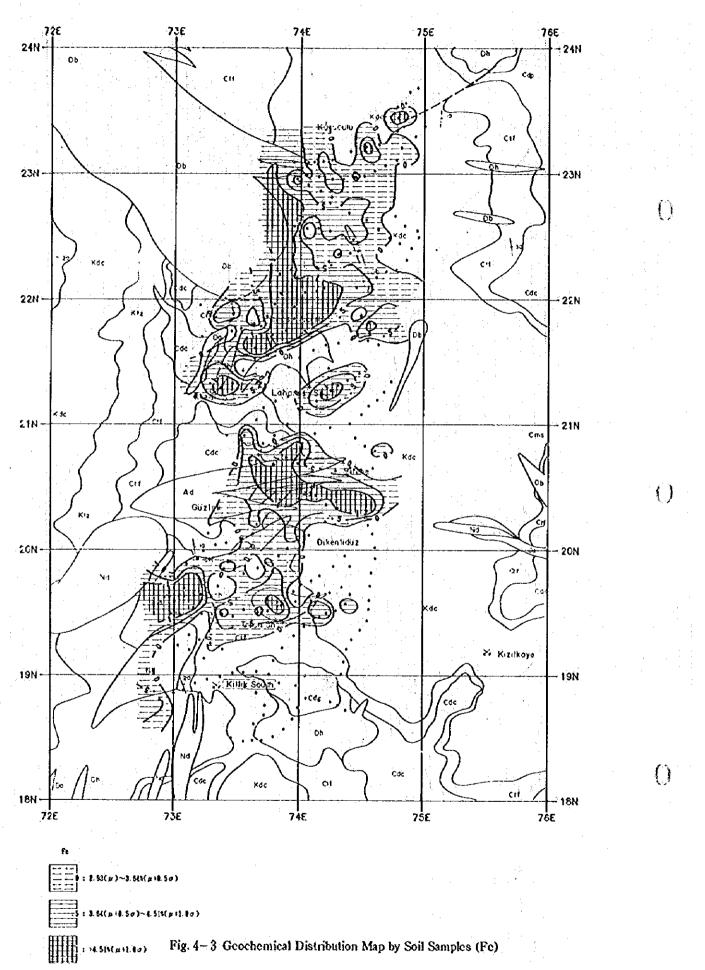


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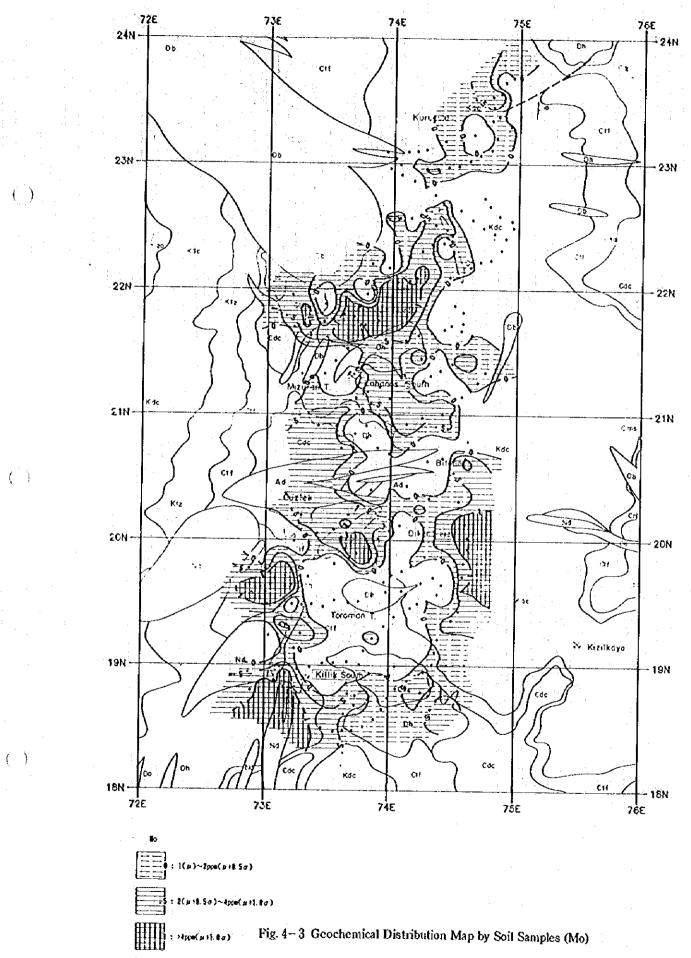


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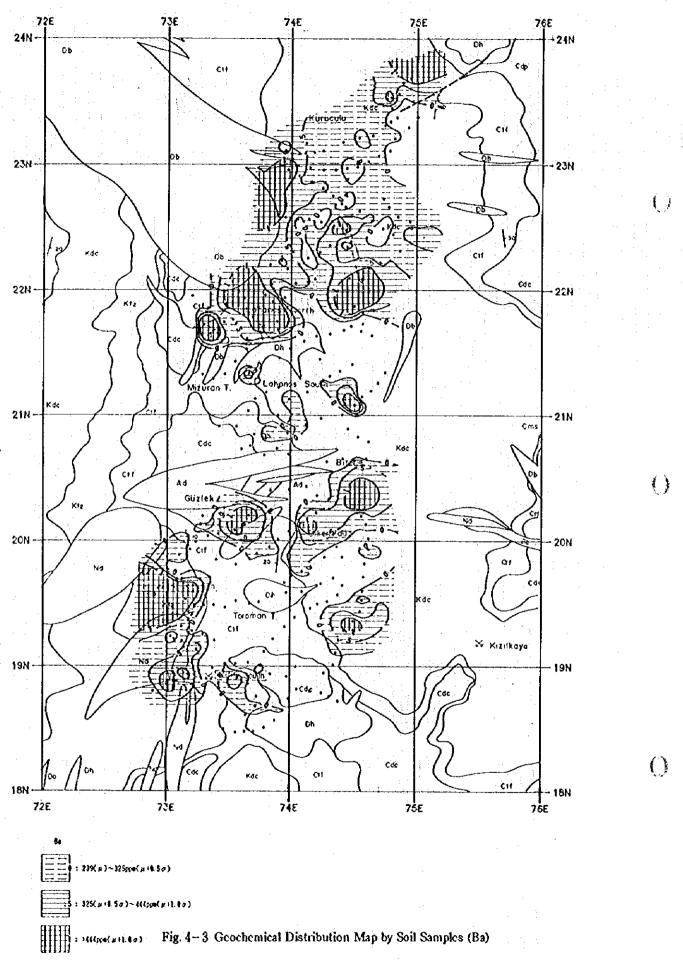




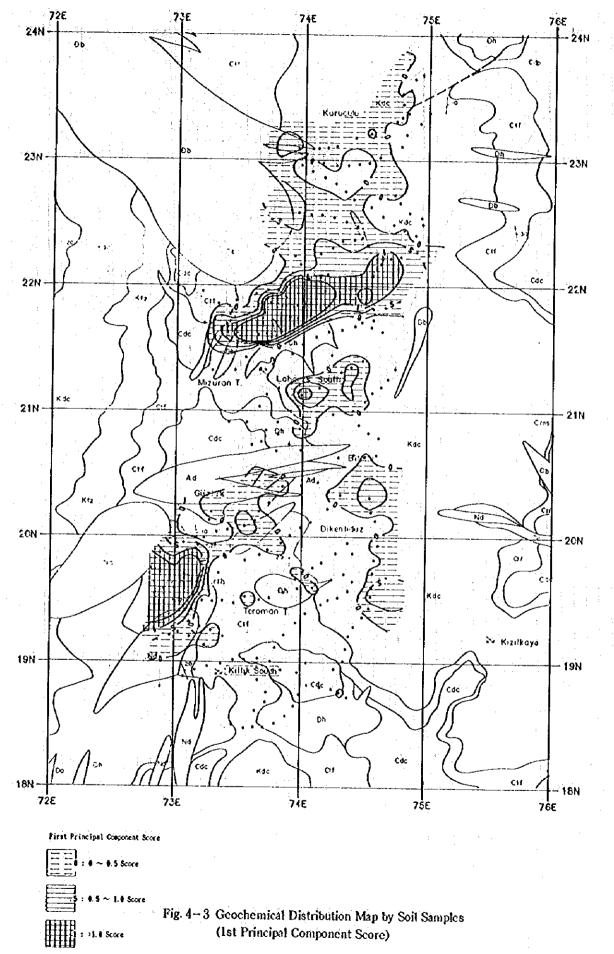
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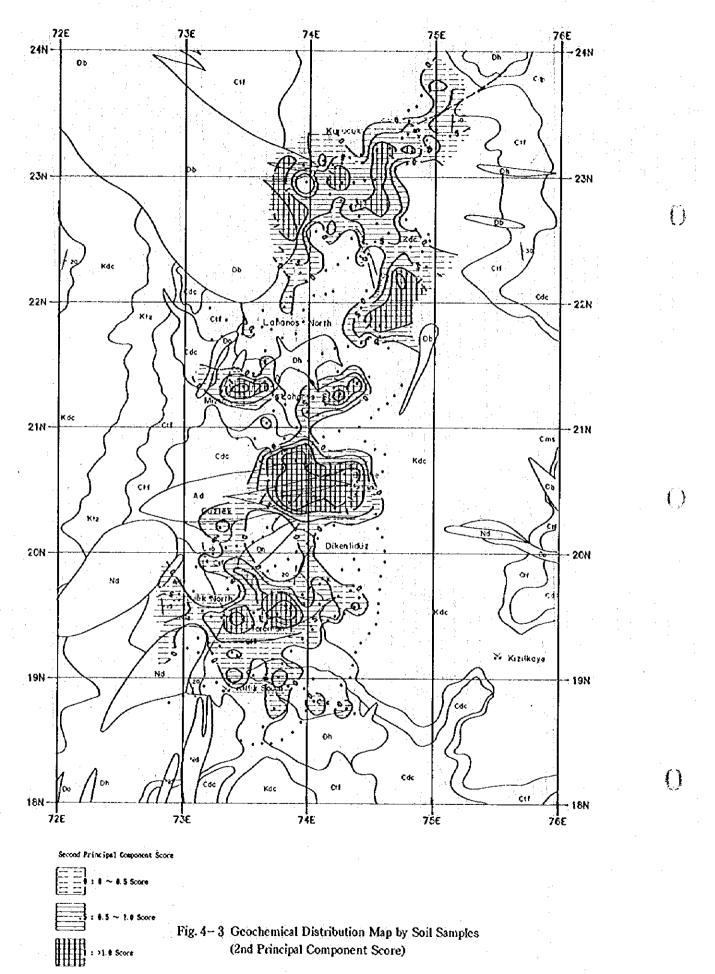
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## Table 2-1 Microscopic Observation by Polished Rock Thin Section

|                            |             | -  |                 |   | 2 |    |             | -           |        | Frag. |              |          | Alteration | 0                     |        | Tevence  |
|----------------------------|-------------|--|-----------------|---|---|----|-------------|-------------|--------|-------|--------------|----------|------------|-----------------------|--------|--|
| 236 Intrusive              | ve (Db)     | Biotite Dacite                                       | 6               |   |   |    | -<br>       | X<br>T<br>T | ي<br>م | Dc Ad | V<br>V       | Ch<br>Ch | Ser Cal    | 8 00 C3               | Na Fe  |  |
| - 36 Intrusive             | ve (Nd).    | Nevaditic Dacite                                     |                 |   |   |    | Ŧ           |             |        | -     | ♦            | ©<br>©   |            |                       |        | Kicrofel Porn  |
| HM-212 Intrusive (Nd)      | ve (Nd)     | Mevaditic Dacite                                     | ł-              | + |   | 1< | Ŧ           |             | 0      |       | 9            | <        | A 1        | \<br>\<br>\<br>\<br>\ |        | 1  |
| 69 Intrusive (Do           | ve (Do)     | Dolerite   | ┢               |   | K | 3  | 2<br>**     |             |        |       | -            |          |            |                       |        | Microfel. Porn   |
| 14 Intrusive               | ve (Ad)     | Andesite   |                 |   |   | ÷  | )<br>(      |             | 2      |       |              |          |            |                       |        | Dierserta  |
| HX-19 Intrusive            | ve (Dp)     | Porphyritic Dacite                                   |                 |   |   |    |             | b           |        | -     | 0            |          |            |                       |        | Victoreleic  |
| (-294 Intrusive (Dh)       | ve (Dh)     | Hematite Dacite                                      |                 |   |   | 1  |             |             | <      |       | Ô            | 0        | <          |                       |        | licrofel Porn  |
| KM- 8 Intrusive (Dh)       | (40) ex     | Heratite Dacite                                      |                 |   | ╞ |    |             |             |        |       | <b>⊘</b>     | 0        |            |                       |        | Abhric   |
| HM-100   Caglayan F. (Ctf  | n F (Ctt)   | Dacitic Juff Breccia                                 | 3               |   |   |    |             |             |        | -     | Ģ            | 4        |            |                       |        | Microfelsic  |
| KX-140   Caglayan F. (Ctf  | R (Cti)     | Dacitic Tuff   |                 |   |   | +  | )(<br> <br> |             |        | 0     | 0            | Ô        |            | Δ                     |        |  |
| <u>HM-352 [X121]kaya F</u> | ra F. (Kt2) | Dacitic Tuff   |                 |   |   |    |             | -<br>A      |        | 0     | õ            | Ô        |            | 4                     |        |  |
| 197- K1211kava F.          | 43 F. (Kt2) | Tuff   |                 |   | - |    |             |             | ▼      |       | ⊲<br>⊚       |          | 1          |                       | a<br>O | Ferruginous  |
| 2 Kizilkaya P.             | (Xdc)       | Dacite Lava  | @<br>0          |   |   |    |             | )<br>)      |        |       | ÷            | 0        |            |                       |        |  |
| 86 Kizilkaya F.            | ra f. (Kdc) | (Kdc)   Dacitic Tuff Breccia                         |                 |   |   |    |             |             |        | -     | <<br>©(      | 0        |            |                       |        | Kicrofelsic  |
|                            | A F. (Kdc)  | Dacite Lava  |                 |   |   |    |             | 2           |        | 0     | -<br>0       | Q        | <b>A</b>   | 5                     |        |  |
| M-289 Kizilkaya F.(        | A F. (Kdc)  | Dacite Lava  |                 |   |   |    | )<br>)((    |             |        |       | <b>∇</b>  0) | Ô        | 1 2 1 2    |                       |        | And a second |
| I- 52 K1211kaya F.         | (Kt))       | Dacitic Tuff   | ,<br> <br> <br> |   |   |    |             | +           |        |       | 4            |          | N I        |                       | X      | Xicrofelsic  |
| 13 Catak F. (Ctf           | (CtD)       | Tuff   |                 |   |   |    | 20          |             | 4      | 0     | 4            | 00       | 0          |                       |        |  |
| HM-253   Catak F. (Cad     |             | Andesitic Tuff Breccia                               |                 |   |   |    | 90          | 0           | 0      |       | <            | 0        |            |                       |        |  |
| YH- 52 Catak F. (Cad)      | (Cad)       | Andesite Lava  | 0               | ľ |   |    | )<br>)      |             | ľ      | 0     | 0            | 4        | $\land$    |                       | · · ·  |  |
| Conda:                     | nt. O:comme | 🔘 tabundant. O teomaon. A tew Oronariz 01 m) agine i |                 |   |   |    |             |             |        |       | 4            |          |            |                       | а<br>- | Bys Ant Para   |

te. Em: Hematite. Microfel: Microfelsic. Porp: Porphyritic

Table 3-1 Chemical Analysis Data of Ore Samles

|                  |                               |         |             | :               |  |           |                      |             |                               |         |             | . *              |  |  |               |                      |                   |                 |                |                |   |   | •                                   |                     |                       |              |                  | -             |                     |                    |               |               |              |                     |                  |             |                       |              |                |              |              |             |                      |           |
|------------------|-------------------------------|---------|-------------|-----------------|--|-----------|----------------------|-------------|-------------------------------|---------|-------------|------------------|--|--|---------------|----------------------|-------------------|-----------------|----------------|----------------|---|---|-------------------------------------|---------------------|-----------------------|--------------|------------------|---------------|---------------------|--------------------|---------------|---------------|--------------|---------------------|------------------|-------------|-----------------------|--------------|----------------|--------------|--------------|-------------|----------------------|-----------|
|                  | 1 20 1 BOG                    |         | 4 K         | 8 × 1           |  | 4<br>9    | ×<br>×               |             | р<br>У-1<br>С                 | ¥<br>¥  |             | +                | S K 1  | 3 (  |               |                      |                   |                 |                | - <b>- - -</b> | -<br>-<br>-<br>-  | ~   | 2                                   |                     |                       |              |                  | 2             | ×                   |                    | × 5           |               |              | ¥                   | -<br>-<br>       | Y<br>Y      | ×                     |              |                |              |              | , X         |                      | -         |
| . I N            | 2002/000                      |         |             | •••             |  |           |                      |             |                               |         |             |                  |  |  |               | 7                    |                   |                 |                | 1.1            | 1   | 6 V C                                     |                                     |                     |                       | 2 Y          |                  | 1 K . 1       |                     |                    | × -           |               | -1 k 1-K     | 1 K 1 K             | X<br>V<br>V<br>V | ¥<br>•<br>× | ¥                     | ×-<br>       | ×<br>          |              |              | 1 K 1 K     | <u>×</u><br>×<br>×   | ×<br>×    |
| 1                |                               | ×       | 1 K 1 K     | ¥ .             | ×-<br>   | ×         | × :<br> :<br>- <br>- |             | ¥ 3<br>24<br>-<br>-<br>-<br>- |         | ¥-3<br>     |                  | 1 3 6  | *  | ×<br>- (      | × )<br>>2 -          |                   |                 | 1 2 4          | ¥<br>          | 2 4   | y ,                                       | ¥<br>- (¢<br>- (†                   |                     | 1<br>1<br>1<br>1<br>1 | 1 4 1        | ×<br>×<br>×      | ¥<br>         | ×<br>               |                    |               | ×<br> ~<br> × | J :K : 1 K - | ×<br>               | ×<br>×           | -<br>-<br>- | ×:<br>                |              | ┙┥<br>┥┿<br>┙╋ |              |              | ¥           | ¥<br>**<br>*         | 11.2 k    |
| S                | TERESEPENSE<br>X I X<br>X I X | 5 1 4   | 5 2 K       | ×<br>×<br>×     | ×<br>•<br>•  |           | 2<br>2<br>7          |             | ~<br>~<br>~                   |         |             | 2<br>2<br>2<br>2 | ><br>-<br>-<br>  | ~<br>~<br>~                                    |               | × 5                  | -<br>             | ×<br>×<br>×     | 5 <- 1 <-      | \$   \$        | <u>к</u><br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | )<br>)<br>,<br>,<br>,<br>,<br>,<br>,<br>, |                                     | -<br>-<br>-<br>-    | 5 4 5                 | 5 k 1 k      | √<br>×<br>×      | ¥<br>¥<br>2   | <br>                |                    |               | S *           | 5_K 1 K      | 2 K 1. K            | ×<br>Z           | 2<br>2<br>2 | × :                   |              |                |              | 5 4 1 4      | 5 k 1 k     | $\mathbf{x}$         | 0 2 K     |
| 3                |                               | ×<br>   | - 1<br>- 6  |                 | × ·<br>- · ·   |           | ×-<br>×<br>×<br>-    |             |                               |         |             | 1 11 K           | 1 13 K   |  |               | 2 3<br>0 2<br>7<br>7 | ×                 | х<br>-<br>-     | ×<br>-         | 1<br>5<br>4    | ×-<br>~~  |   |                                     | • •                 | 1 K 1 K               | 3.1-11 <     | ×                | 6 13          | ~                   |                    |               | 2 8 k         | 2<br>X       | × 8                 |                  | ×<br>0      | × 1                   | 2            |                |              | 4 8 K        | ۲<br>۳      | ~                    | 5 38 2    |
| Ba La            | ٦<br>م                        | 15.00 < | 21.60 K     | 2 35 X          | 7 0 4 ×  |           | 200                  |             |                               | 0 07-   | 16. 60 4    | 20.40 <          | 0.05   |  | 2 N N         |                      | 11 30 4           | 12.00 k         |                |                | × 0   | -1  | • : •                               | 33, 90 K            | 31.10 k               |              | 0.01             | 0.02          |                     |                    | 0.02 K        | 0.08          | 0 05 K       |                     |                  | 0. U        | 2<br>2<br>2<br>2<br>0 |              |                | < 0.01 K     | 0.01         | -           |                      | 0.04 1 1  |
| Fe Mn (x)        | 0 × 0                         | 0<br>Y  | ġ           | 3- 44 - 64 - 91 |  | 4         | - <u> </u>           | 20402       | 90 K0 01                      | 80 08   | .10 k0.     | .61 KQ.          | 0  | <u>. 80 K0. 01</u>                             | ᢡ             | 80 X 0               | 50 k0             | 5.20 0.01       | 000            |                | 10 K0 01  | ļ   |                                     | 20 00.01            | .20 <0.01             | . 20 × 0. 01 | - 70 - 60 - 01 - |               | А.                  | 4                  | .75 ×0.01     | 15 × 0.01     | 91 < 0. 01   | Ş                   | <u>21 KV. VI</u> |             | 10.03 06              | 50 × 0, 01   | 0              | 60 ×0.01     | 05 40 01     | 19 K0.01    | - L                  | 70 40.01  |
| 2n<br>(x)        | 6 2                           | 1.40 20 | 8.45 I      | 1               | 4<br>4<br>4<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7 | 94 33     | 0 82 66              | 0           | 9.16 21                       | 0.76 34 | 9.14 20     | 0                |  | <u>, v v v v v v v v v v v v v v v v v v v</u> |               | 3.61 29              | -1.05 29.         | 2 2             | 1.21 28        | 2-79-27        |   | 0.05                                      | 1 18 13                             | 0.33 11             | 4.25                  | •            |                  | 0 2 0 2 0     | 4 C<br>7 C          | 6.05 22            | 1 1 7 7       | 7 51 7        | 0 02         | 0<br>77<br>77<br>77 |                  |             | <u> </u>              | 0.02.144     | 0.03 46        | 0.01 46      | 0.08 9.      | 0 44 - 8    | 0 0 0 00             | 0. 0. 20. |
| Cu Pb<br>(X) (X) |                               |         |             | <u>90 0 00</u>  | \$<br>   | (c        |                      | 44 1 50     | 0                             | 0       | 89 × 0.01   | 77 3.44          | 85 3. U  |  |               | 20 2.22              | 93 0.09           | 33 0.25         | 36 4 0.01      |                | 44<br>13 K 0 01   | 02 × 0 01                                 | 04 0 11                             | 03 × 0.01           | 02 14.70              |              |                  |               |                     | ഹ                  | 02 1.56       | 03 0.62       |              |                     |                  |             |                       |              | 05 K 0.01      | 02 k 0.01    | 01 0.09      |             |                      |           |
| A2 C<br>(208) (1 |                               | 4       | ĺ           | 490.00 94       | +  | 339 00 22 | ┟─                   | 58.40 3.    | 50.90 3.                      | 7.39 2. | 81.40 2.    | 58.40 1.         | 4. 58<br>2. 58<br>2. 5<br>2. 5<br>2. 5<br>2. 5<br>2. 5<br>2. 5<br>2. 5<br>2. 5 | 2 5 F  | 1.27 0.       | 81.00 16.            | 79.00 9.          | <u>90.50 8.</u> | 33.80          | - <u> </u>     | 2 17 0.   | 4 94 0.                                   | 7.69 0.                             | 36.50 0.            | 212.00 0.             | - 84<br>- 24 |                  | 281.00 3      | 1                   | 259.00 24.         |               | 29 80 0.      | 1 20 1.      |                     |                  |             | 31.20 0.              | J.32 k 0.    | 2.26 0.        | 1.79 0.1     | d.           | 7 0 1 2 0 1 | ;<br> -              |           |
| Au<br>(pom)      | 2.92                          | 4       |             | 5               |  | -         | 3.56                 | 2.22        | 1 3.01 -                      |         | 1-25        |                  |  | 0 20   | < 0.01        | 4.12 1               | 4                 | 6.98            | 3.2.5          |                | . <b>.</b>  | 0.17                                      | H                                   | ÷                   |                       | 0.18         | 200<br>200       | 3. 33 2       |                     | 1-1                | 75.           |               |              |                     | 0.0              | 0.72        | 202                   |              | 0.07           | -            | -            | 0 37        | 0.05                 |           |
| Type             | Brecciated                    |         | Compact     |                 |  |           |                      | Brecciated  |                               |         |             |                  | r ogery  | Banded   | •             |                      |                   |                 | Reportered     |                | é   |   |                                     | POVGETY             |                       |              |                  | 6             |                     |                    | 2             |               |              | 1 K                 |                  |             |                       |              |                |              |              |             | aination             |           |
|                  | Yellov Ore.                   |         | Yellos Ore. |                 | •  | 4         | •                    | Yellow Ore. |                               | •       |             | Vello- Die Cre   | Pyrite Ore   | Pyrite Ore, Banded                             | Siliceous Ore | Yellow Ore-          |                   | LYLIC ULC       | (e] [ 0 # 0 fe | Sub-Black Ore  | Siliceous Ore   | •   |                                     | Fyrite Ure, Powdery | PUT TO NATURA         | Silicous Ore | Silicous Ore     | Sub-Black Ore |                     | £                  | Siliceous Ore | SALACOUS VEC  |              | Pyrite Network      | Pyrite Ore       | Pyrite Ore  | •                     | Pyrite Ore   |                | Pyrite Ore   | Silicous Ure | Quartz Vein | Pyrite Dissemination |           |
| +                | 1                             |         |             | -               |  |           |                      |             |                               |         | -           |                  | Ť  |  |               |                      |                   |                 | T              | Ì              |   |   | -1-                                 | AZYA ALAC           |                       |              | S                |               |                     |                    |               |               |              | <b>a</b> .          |                  |             |                       |              |                |              | 1            |             |                      | -         |
|                  | <u> Lahanos Mine</u>          | 3       | 4           | •               |  |           |                      |             |                               |         |             | •                | •  | Bitche Area                                    |               | Killik South         | 1.4.1.1.1. VA.+ N |                 | Killik South   |                |   |   |                                     |                     |                       |              |                  | Kepcelik Kine |                     |                    | Divers Bias   | +-            |              |                     |                  | Ažalik Mine | •                     | Xarilar Xine | V              | Calters Ares | -            |             | Xizil Dere Area      |           |
| ON CALL          | - 1K - 2                      |         |             | 5 TK- 5         | 6 TK - 6   | -†-       | -+-                  | T           |                               |         | 14   14   4 | 14 TX-16         | 15 TK-18   | 16 TK-19                                       | ~+            | 10 1V 20             |                   | 21   TK - 25    | 22 - TK-26     | 23   TK-27     | -   | 62-11-03                                  | <u>29   18 - 30</u><br>97   72 - 31 | 28   78 - 32        |                       | 30 TK-34     |                  | 32 TK-37      | <u>33   TK - 38</u> | <u>34   5 - 35</u> | 36 TK-41      | 37 TK-42      |              | 39 TY 44            | 40 TX-45         | -           | -                     | +            | 14 14 2V       | 1-           | 1            | -           | - 1                  | 50 TK-59  |

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Table 3-2 Microscopic Observation by Polished Ore Section

|    | Colloform(Pv Sn)                                | į  | Coll of contract ( ) - Col                             |  |  |  | _  |  | (ollofoila(Py.Sp)                                      | Colloform(Py), Framboidal(Py)                          |  | Zonal Structure  | conal structure |  |   |   |  |   | (AJ)#JOTOTTO   | Zonal Statistication  | Collocation (Del   |   |  | Colloform(By) Parahastant (B.)   | WATTOLINE Y / FLAMOULDAL (Y)   |  |  |  |  |  |   |   |
|----|---|--|--|--|--|--|--|--|--|--|--|--|-----------------|--|---|---|--|---|--|---|--|---|--|--|--|--|--|--|--|--|---|---|
|    | +·  | 6  |  | <b> </b> <   | 1  |  |  | i~   |  | _  |  |  | -               |  |   |   |  | -   |  |   | -  | <   | C  | ¢  |  | »  |  |  | _  | C  |   |   |
| 0  | <u> </u>  |  | F  | 1_   | -  |  | -  |  |  |  |  |  | 1               |  | 1   |   |  | <i>7</i> .6   |  | -   |  |   | C  |  | 1-   |  | <  | - -<br>1   |  | <u> </u>   | 2   | als   |
| S  |   |  |  |  |  |  |  |  |  | -  | T  |  |                 | -  |   |   |  |   |  |   |  |   |  | -  |  |  |  | -  |  |  |   | miner   |
|    |   | .<br>  | -  |  |  |  |  | 1  | .   <  | 1  |  |  |                 |  |   |   |  |   |  |   |  |   |  |  |  |  |  |  | -  |  |   | e .   |
| _  |   |  |  |  | Т.   | 1<   | 1  | ·   ·  | _ -  | _  |  |  |                 |  |   |   |  | <u> </u>  |  |   | <u> </u>   |   |  |  |  |  |  |  |  |  |   | dri te<br>h: gan  |
|    |   |  |  | 1 5.   |  | _  | -   -  | -  | -1-  | -,- ~*   | -  |  | +-              | ++   |   |   | ·  | 1   |  | -   | <u> </u>   |   |  | $\triangleleft$  |  |  | -  |  |  |  |   | trahe<br>ite. G   |
| -  | ÷   | <u> </u>   | · · ·  |  | 1.1  |  | 4-   | +  |  | -  |  |  | ╉┷              | 1.   |   | <b>.</b>  |  |   | _  |   |  |   | 4  | 0  | <u> </u>   |  |  |  |  | _  | <br> <br>  -  | h:te<br>:bar  |
| -1 | 0   | 0  |  |  | <  |  | +  |  | +  |  |  |  |                 |  | 1   |   |  |   | 0  |   |  |   |  | ÷  | -  |  |  | <u> </u>   | ÷.,  |  |   | ena. T<br>tz. Ba  |
|    | 0   | Õ  | Ö  | <u> </u>   | 1  | 1  | -  | -  | ) (¢   | »©   | -1-  | -  | 4_              | ł  | +   |   |  |   | 0  | -   |  | ō   | 0  | -  | 0  |  | 0  |  | 1-   |  |   | quar  |
| 21 |   |  |  |  |  |  | · · · · · · · · · · · · · · · · · · ·                  |  |  |  |  | Ore  |                 | Banded   |   | Yellow Ore  | Pyrite Ore   | Semi-Black Ore  | Silicous Ore   |   |  | Semi-Black Ore  |  |  | Pyrite Ore   | Pyrite Ore   | ·  | -  |  | ø  | mnon. Δ:few   | иу нись оргориатетте. Up:Chalcopyrite, G1:galena, Th:tetrahedrite<br>Bn:bornite, As:arsenopyrite, Cv:covelline, Q:quartz, Ba:barite, Gn:gangue minerals   |
| +  | +   | 7  | m  | 5  | · 1  | - 2  | •  |  |  | 13 -   | 14   | - 15   |                 | പ  | 21  | 54  | 2  | 5   |  |   |  |   | - <u>8</u>   | 39   | 45 Dikmen Wine   |  |  |  | 51 Karaerik Mine                                       | 53 Kepcelik Mine   | O:abundant. O:co  | Bn:bornite, As:ars  |
|    | 1. Wallon Vre Iype Py Sp Cp 61 Th Bn As Cy 0 Ba | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1Latanos<br>MineUreIVpePVSpCpE1ThBnAsCvQBaGg2222222000 | LabrationUnce TypePVSpCpE1ThBnAsCvQBaGgLahanos MineYellow Ore.Brecciated (a) $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ Colloform(Pv, Sp).The second conditionation of the second conditionationation of the second conditionationation of the second conditionationationationationationationation |                 | $0$ LowentionUre Type $W$ $S_P$ $C_P$ $C_1$ $B_n$ $A_S$ $C_V$ $Q$ $B_n$ $G_1$ $G_1$ $G_1$ $G_2$ $G_1$ $G_1$ $G_2$ <t< td=""><td>1Latanos MineVer TypePVSpCpCiThBnAsCvQBaGa2<math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math><math>\sim</math></td></t<> <td>1LaborationUre lypePVSpCpCl:ThBnAsCvQBsBs2<math>   -</math><!--</td--><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>1Labrance MineYellow Ore.Breecciated<math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><t< td=""><td><math>\frac{1}{2}</math>Lance tron<br/>LocationUre Type<br/>Ure TypePV Sp Cp C1 Th Bn As Cv Q Ba Cg<br/>C D D D D D D D D D D D D D D D D D D D</td><td>1Latanos MineYellow Ore.BrecciatedPVSpCpCiThBnAsCrQBaCg201016form(Pv, Sp).3000010form(Pv, Sp).500000060000000100000000011000000001300000000013000000000140000000001300000000013000000000014000000000150000000000&lt;</td><td>1Laboros<br/>MineYellow<br/>Ore.DreeDrySp.<br/>CpCpCpCpColloform(Py, Sp)3<t< td=""><td>1       Lanace tron       Ore interversion       PV Sp (5)       Fa (5)       Colloform(PV, Sp)         3       -       -       O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Execciated O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Compact       O       O       O       O       Colloform(PV, Sp)         6       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         7       -       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         8       -       Nellow Ore. Brecciated O       O</td><td><math display="block">\begin{array}{ c c c c c c c c c c c c c c c c c c c</math></td><td>1     Lamos Hine     Vellow Ore.     Breeciated     <math>\heartsuit</math> <math>\heartsuit</math> <math>\bigtriangleup</math> <math>\bigcirc</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math></td><td>1       Ladaction       Yellow Ore.       Eventiate       P       Sp (Sr (1) h) Bn (Sr (Yr) Sp)       Sp (Sr (1) h) Bn (Sr (Yr) Sp)         2       -       Yellow Ore.       Evenciated       0       0       0       1016form(Yr, Sp)         5       -       Yellow Ore.       Evenciated       0<td>1       Lataros Wine       Yellow Ore.       Brecolated       P       Sp       Gp       Gl       Golloform(Py, Sp)         2       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         6       -       -       0       A       A       A       Colloform(Py, Sp)         10       -       -       0       A       A       Colloform(Py, Sp)         11       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       A       Colloform(Py, Sp)       B       A       Colloform(Py, Sp)         14       -       -       A       A       Colloform(Py, Sp)       A       Colloform(Py, Sp)         13       -       -       -       A       A       Colloform(Py, Sp)         14</td></td></t<><td>1       Laharos Wine       Yellow Ore. Brecciated       P       Sp. (G       Ch       C       C       C       Colloform(Pv, Sp).         2       -       Yellow Ore. Brecciated       C       C       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       C       Colloform(Pv, Sp).         1       -       -</td><td>1       Lance state       P       Sp       G       G       Coll of country. Sp)         2       -       -       -       -       -       -       -       Coll of country. Sp)         3       -       -       -       -       -       -       -       Coll of country. Sp)         5       -       Yellow Ore. Breectiated       0       0       Coll of country. Sp)       -       -       -       Coll of country. Sp)         6       -       -       -       -       -       -       -       -       Coll of country. Sp)         10       -       -       -       -       -       -       -       -       Coll of country. Sp)         11       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         13       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         14       -<td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math>\frac{1}{2}</math>       Lahanos Mine       Yellow Ore.       Breeciated       <math>\mathbb{N}</math> <math>\mathbb{N}</math></td><td><math>\frac{1}{2}</math> <math>\frac{1}{2}</math> <math>\frac{1}{2}</math></td><td>1         Lathanos Mine         Yellow Ore.         Precentated         0         Colloform(Pr, Sp.)           2         -         -         -         -         0         Colloform(Pr, Sp.)           3         -         -         -         0         0         0         Colloform(Pr, Sp.)           1         -         -         0&lt;</td></td></td></t<></td></td> | 1Latanos MineVer TypePVSpCpCiThBnAsCvQBaGa2 $\sim$ | 1LaborationUre lypePVSpCpCl:ThBnAsCvQBsBs2 $   -$ </td <td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td> <td>1Labrance MineYellow Ore.Breecciated<math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><math>\bigcirc</math><t< td=""><td><math>\frac{1}{2}</math>Lance tron<br/>LocationUre Type<br/>Ure TypePV Sp Cp C1 Th Bn As Cv Q Ba Cg<br/>C D D D D D D D D D D D D D D D D D D D</td><td>1Latanos MineYellow Ore.BrecciatedPVSpCpCiThBnAsCrQBaCg201016form(Pv, Sp).3000010form(Pv, Sp).500000060000000100000000011000000001300000000013000000000140000000001300000000013000000000014000000000150000000000&lt;</td><td>1Laboros<br/>MineYellow<br/>Ore.DreeDrySp.<br/>CpCpCpCpColloform(Py, Sp)3<t< td=""><td>1       Lanace tron       Ore interversion       PV Sp (5)       Fa (5)       Colloform(PV, Sp)         3       -       -       O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Execciated O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Compact       O       O       O       O       Colloform(PV, Sp)         6       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         7       -       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         8       -       Nellow Ore. Brecciated O       O</td><td><math display="block">\begin{array}{ c c c c c c c c c c c c c c c c c c c</math></td><td>1     Lamos Hine     Vellow Ore.     Breeciated     <math>\heartsuit</math> <math>\heartsuit</math> <math>\bigtriangleup</math> <math>\bigcirc</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math></td><td>1       Ladaction       Yellow Ore.       Eventiate       P       Sp (Sr (1) h) Bn (Sr (Yr) Sp)       Sp (Sr (1) h) Bn (Sr (Yr) Sp)         2       -       Yellow Ore.       Evenciated       0       0       0       1016form(Yr, Sp)         5       -       Yellow Ore.       Evenciated       0<td>1       Lataros Wine       Yellow Ore.       Brecolated       P       Sp       Gp       Gl       Golloform(Py, Sp)         2       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         6       -       -       0       A       A       A       Colloform(Py, Sp)         10       -       -       0       A       A       Colloform(Py, Sp)         11       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       A       Colloform(Py, Sp)       B       A       Colloform(Py, Sp)         14       -       -       A       A       Colloform(Py, Sp)       A       Colloform(Py, Sp)         13       -       -       -       A       A       Colloform(Py, Sp)         14</td></td></t<><td>1       Laharos Wine       Yellow Ore. Brecciated       P       Sp. (G       Ch       C       C       C       Colloform(Pv, Sp).         2       -       Yellow Ore. Brecciated       C       C       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       C       Colloform(Pv, Sp).         1       -       -</td><td>1       Lance state       P       Sp       G       G       Coll of country. Sp)         2       -       -       -       -       -       -       -       Coll of country. Sp)         3       -       -       -       -       -       -       -       Coll of country. Sp)         5       -       Yellow Ore. Breectiated       0       0       Coll of country. Sp)       -       -       -       Coll of country. Sp)         6       -       -       -       -       -       -       -       -       Coll of country. Sp)         10       -       -       -       -       -       -       -       -       Coll of country. Sp)         11       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         13       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         14       -<td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math>\frac{1}{2}</math>       Lahanos Mine       Yellow Ore.       Breeciated       <math>\mathbb{N}</math> <math>\mathbb{N}</math></td><td><math>\frac{1}{2}</math> <math>\frac{1}{2}</math> <math>\frac{1}{2}</math></td><td>1         Lathanos Mine         Yellow Ore.         Precentated         0         Colloform(Pr, Sp.)           2         -         -         -         -         0         Colloform(Pr, Sp.)           3         -         -         -         0         0         0         Colloform(Pr, Sp.)           1         -         -         0&lt;</td></td></td></t<></td> | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1Labrance MineYellow Ore.Breecciated $\bigcirc$ <t< td=""><td><math>\frac{1}{2}</math>Lance tron<br/>LocationUre Type<br/>Ure TypePV Sp Cp C1 Th Bn As Cv Q Ba Cg<br/>C D D D D D D D D D D D D D D D D D D D</td><td>1Latanos MineYellow Ore.BrecciatedPVSpCpCiThBnAsCrQBaCg201016form(Pv, Sp).3000010form(Pv, Sp).500000060000000100000000011000000001300000000013000000000140000000001300000000013000000000014000000000150000000000&lt;</td><td>1Laboros<br/>MineYellow<br/>Ore.DreeDrySp.<br/>CpCpCpCpColloform(Py, Sp)3<t< td=""><td>1       Lanace tron       Ore interversion       PV Sp (5)       Fa (5)       Colloform(PV, Sp)         3       -       -       O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Execciated O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Compact       O       O       O       O       Colloform(PV, Sp)         6       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         7       -       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         8       -       Nellow Ore. Brecciated O       O</td><td><math display="block">\begin{array}{ c c c c c c c c c c c c c c c c c c c</math></td><td>1     Lamos Hine     Vellow Ore.     Breeciated     <math>\heartsuit</math> <math>\heartsuit</math> <math>\bigtriangleup</math> <math>\bigcirc</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math></td><td>1       Ladaction       Yellow Ore.       Eventiate       P       Sp (Sr (1) h) Bn (Sr (Yr) Sp)       Sp (Sr (1) h) Bn (Sr (Yr) Sp)         2       -       Yellow Ore.       Evenciated       0       0       0       1016form(Yr, Sp)         5       -       Yellow Ore.       Evenciated       0<td>1       Lataros Wine       Yellow Ore.       Brecolated       P       Sp       Gp       Gl       Golloform(Py, Sp)         2       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         6       -       -       0       A       A       A       Colloform(Py, Sp)         10       -       -       0       A       A       Colloform(Py, Sp)         11       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       A       Colloform(Py, Sp)       B       A       Colloform(Py, Sp)         14       -       -       A       A       Colloform(Py, Sp)       A       Colloform(Py, Sp)         13       -       -       -       A       A       Colloform(Py, Sp)         14</td></td></t<><td>1       Laharos Wine       Yellow Ore. Brecciated       P       Sp. (G       Ch       C       C       C       Colloform(Pv, Sp).         2       -       Yellow Ore. Brecciated       C       C       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       C       Colloform(Pv, Sp).         1       -       -</td><td>1       Lance state       P       Sp       G       G       Coll of country. Sp)         2       -       -       -       -       -       -       -       Coll of country. Sp)         3       -       -       -       -       -       -       -       Coll of country. Sp)         5       -       Yellow Ore. Breectiated       0       0       Coll of country. Sp)       -       -       -       Coll of country. Sp)         6       -       -       -       -       -       -       -       -       Coll of country. Sp)         10       -       -       -       -       -       -       -       -       Coll of country. Sp)         11       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         13       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         14       -<td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math>\frac{1}{2}</math>       Lahanos Mine       Yellow Ore.       Breeciated       <math>\mathbb{N}</math> <math>\mathbb{N}</math></td><td><math>\frac{1}{2}</math> <math>\frac{1}{2}</math> <math>\frac{1}{2}</math></td><td>1         Lathanos Mine         Yellow Ore.         Precentated         0         Colloform(Pr, Sp.)           2         -         -         -         -         0         Colloform(Pr, Sp.)           3         -         -         -         0         0         0         Colloform(Pr, Sp.)           1         -         -         0&lt;</td></td></td></t<> | $\frac{1}{2}$ Lance tron<br>LocationUre Type<br>Ure TypePV Sp Cp C1 Th Bn As Cv Q Ba Cg<br>C D D D D D D D D D D D D D D D D D D D | 1Latanos MineYellow Ore.BrecciatedPVSpCpCiThBnAsCrQBaCg201016form(Pv, Sp).3000010form(Pv, Sp).500000060000000100000000011000000001300000000013000000000140000000001300000000013000000000014000000000150000000000< | 1Laboros<br>MineYellow<br>Ore.DreeDrySp.<br>CpCpCpCpColloform(Py, Sp)3 <t< td=""><td>1       Lanace tron       Ore interversion       PV Sp (5)       Fa (5)       Colloform(PV, Sp)         3       -       -       O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Execciated O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Compact       O       O       O       O       Colloform(PV, Sp)         6       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         7       -       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         8       -       Nellow Ore. Brecciated O       O</td><td><math display="block">\begin{array}{ c c c c c c c c c c c c c c c c c c c</math></td><td>1     Lamos Hine     Vellow Ore.     Breeciated     <math>\heartsuit</math> <math>\heartsuit</math> <math>\bigtriangleup</math> <math>\bigcirc</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math> <math>)</math></td><td>1       Ladaction       Yellow Ore.       Eventiate       P       Sp (Sr (1) h) Bn (Sr (Yr) Sp)       Sp (Sr (1) h) Bn (Sr (Yr) Sp)         2       -       Yellow Ore.       Evenciated       0       0       0       1016form(Yr, Sp)         5       -       Yellow Ore.       Evenciated       0<td>1       Lataros Wine       Yellow Ore.       Brecolated       P       Sp       Gp       Gl       Golloform(Py, Sp)         2       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         6       -       -       0       A       A       A       Colloform(Py, Sp)         10       -       -       0       A       A       Colloform(Py, Sp)         11       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       A       Colloform(Py, Sp)       B       A       Colloform(Py, Sp)         14       -       -       A       A       Colloform(Py, Sp)       A       Colloform(Py, Sp)         13       -       -       -       A       A       Colloform(Py, Sp)         14</td></td></t<> <td>1       Laharos Wine       Yellow Ore. Brecciated       P       Sp. (G       Ch       C       C       C       Colloform(Pv, Sp).         2       -       Yellow Ore. Brecciated       C       C       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       C       Colloform(Pv, Sp).         1       -       -</td> <td>1       Lance state       P       Sp       G       G       Coll of country. Sp)         2       -       -       -       -       -       -       -       Coll of country. Sp)         3       -       -       -       -       -       -       -       Coll of country. Sp)         5       -       Yellow Ore. Breectiated       0       0       Coll of country. Sp)       -       -       -       Coll of country. Sp)         6       -       -       -       -       -       -       -       -       Coll of country. Sp)         10       -       -       -       -       -       -       -       -       Coll of country. Sp)         11       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         13       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         14       -<td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math>\frac{1}{2}</math>       Lahanos Mine       Yellow Ore.       Breeciated       <math>\mathbb{N}</math> <math>\mathbb{N}</math></td><td><math>\frac{1}{2}</math> <math>\frac{1}{2}</math> <math>\frac{1}{2}</math></td><td>1         Lathanos Mine         Yellow Ore.         Precentated         0         Colloform(Pr, Sp.)           2         -         -         -         -         0         Colloform(Pr, Sp.)           3         -         -         -         0         0         0         Colloform(Pr, Sp.)           1         -         -         0&lt;</td></td> | 1       Lanace tron       Ore interversion       PV Sp (5)       Fa (5)       Colloform(PV, Sp)         3       -       -       O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Execciated O       O       O       O       Colloform(PV, Sp)         5       -       Nellow Ore. Compact       O       O       O       O       Colloform(PV, Sp)         6       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         7       -       -       Nellow Ore. Execciated O       O       O       O       O       Colloform(PV, Sp)         8       -       Nellow Ore. Brecciated O       O | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 1     Lamos Hine     Vellow Ore.     Breeciated $\heartsuit$ $\heartsuit$ $\bigtriangleup$ $\bigcirc$ $)$ $)$ $)$ $)$ $)$ $)$ $)$ $)$ $)$ $)$ | 1       Ladaction       Yellow Ore.       Eventiate       P       Sp (Sr (1) h) Bn (Sr (Yr) Sp)       Sp (Sr (1) h) Bn (Sr (Yr) Sp)         2       -       Yellow Ore.       Evenciated       0       0       0       1016form(Yr, Sp)         5       -       Yellow Ore.       Evenciated       0 <td>1       Lataros Wine       Yellow Ore.       Brecolated       P       Sp       Gp       Gl       Golloform(Py, Sp)         2       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         6       -       -       0       A       A       A       Colloform(Py, Sp)         10       -       -       0       A       A       Colloform(Py, Sp)         11       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       A       Colloform(Py, Sp)       B       A       Colloform(Py, Sp)         14       -       -       A       A       Colloform(Py, Sp)       A       Colloform(Py, Sp)         13       -       -       -       A       A       Colloform(Py, Sp)         14</td> | 1       Lataros Wine       Yellow Ore.       Brecolated       P       Sp       Gp       Gl       Golloform(Py, Sp)         2       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         5       -       Yellow Ore.       Brecolated       0       A       A       0       Colloform(Py, Sp)         6       -       -       0       A       A       A       Colloform(Py, Sp)         10       -       -       0       A       A       Colloform(Py, Sp)         11       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       0       A       A       Colloform(Py, Sp)         13       -       -       A       Colloform(Py, Sp)       B       A       Colloform(Py, Sp)         14       -       -       A       A       Colloform(Py, Sp)       A       Colloform(Py, Sp)         13       -       -       -       A       A       Colloform(Py, Sp)         14 | 1       Laharos Wine       Yellow Ore. Brecciated       P       Sp. (G       Ch       C       C       C       Colloform(Pv, Sp).         2       -       Yellow Ore. Brecciated       C       C       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         5       -       Yellow Ore. Brecciated       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       C       C       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       Colloform(Pv, Sp).       Colloform(Pv, Sp).         1       -       -       C       C       C       C       Colloform(Pv, Sp).         1       -       - | 1       Lance state       P       Sp       G       G       Coll of country. Sp)         2       -       -       -       -       -       -       -       Coll of country. Sp)         3       -       -       -       -       -       -       -       Coll of country. Sp)         5       -       Yellow Ore. Breectiated       0       0       Coll of country. Sp)       -       -       -       Coll of country. Sp)         6       -       -       -       -       -       -       -       -       Coll of country. Sp)         10       -       -       -       -       -       -       -       -       Coll of country. Sp)         11       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         13       -       -       -       -       -       -       -       -       -       Coll of country. Sp)         14       - <td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td> <td><math>\frac{1}{2}</math>       Lahanos Mine       Yellow Ore.       Breeciated       <math>\mathbb{N}</math> <math>\mathbb{N}</math></td> <td><math>\frac{1}{2}</math> <math>\frac{1}{2}</math> <math>\frac{1}{2}</math></td> <td>1         Lathanos Mine         Yellow Ore.         Precentated         0         Colloform(Pr, Sp.)           2         -         -         -         -         0         Colloform(Pr, Sp.)           3         -         -         -         0         0         0         Colloform(Pr, Sp.)           1         -         -         0&lt;</td> | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\frac{1}{2}$ Lahanos Mine       Yellow Ore.       Breeciated $\mathbb{N}$ | $\frac{1}{2}$ | 1         Lathanos Mine         Yellow Ore.         Precentated         0         Colloform(Pr, Sp.)           2         -         -         -         -         0         Colloform(Pr, Sp.)           3         -         -         -         0         0         0         Colloform(Pr, Sp.)           1         -         -         0< |

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|  |             |             | •               |
|--|-------------|-------------|-----------------|
| Table 4-1  | Statistical | Values of G | cochemical Data |
| a second de la companya de la company |             |             |                 |

| Soil               | ·                |                  | e e e<br>E facto e |         | ta et | 1     | · · · ·   |       | e par p |               |        |
|--------------------|------------------|------------------|--------------------|---------|-------|-------|-----------|-------|---------|---------------|--------|
|                    | λu               | Ag               | Cu                 | Pb      | 2n    | As    | Sb        | Xn    | Fe      | Xo            | Ba     |
|                    | (ppa)            | (ppm)            | (pon)              | (ppm)   | (pom) | (ppa) | (ppm)     | (ppm) | (%)     | (opm)         | (ррл)  |
| No. of Samples     | 255              | 255              | 255                | 255     | 255   | 255   | 255       | 255   | 255     | 255           | 255    |
| Arithmetric Min.   | <u>&lt; 0.01</u> | <u>&lt; 0.01</u> | .9                 | 54      | 17    | 4     | <u>(1</u> | 29    | 0.89    | <1            | 52     |
| Arithmetric Nean   | 0 13             | 2.06             | 136                | 252     | 125   | 70    | 5         | 436   | 3.25    | 3             | 304    |
| Arithmetric Nax.   | 8.79             | 175.00           | 3,600              | 10, 100 | 799   | 4.000 | 313       | 2,670 | 13.40   | 65            | 3, 830 |
| Arithmetric o      | 0.64             | 12.06            | 343                | 957     | 102   | 298   | 29        | 363   | 1.71    | 6             | 330    |
| Geometric Xean     | 0.02             | 0.22             | 64                 | 133     | 104   | 22    | 0.2       | 319   | 2.93    | 1             | 239    |
| Geometric 0.50     | 0.05             | 0.84             | 106                | 184     | 138   | 38    | 0.4       | 480   | 3.64    | ?             | 325    |
| Geometric $\sigma$ | 0.14             | 3. 27            | 176                | 254     | 184   | 64    | 1.0       | 722   | 4.51    | <u>د</u><br>۸ | 444    |
| Background Value   | 0.002            | 0.1              | 15                 | 17      | 36    | 7.5   | 2         | 320   | 2.10    | 2.5           | 300    |

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|         |  |  |  |   | · · · · · · · · · · · · · · · · · · ·   |   | 1020   | 1 2.10   |  | L00  |
|---------|--|--|--|---|---|---|--|--|--|--|
|         |  | •  |  |   |   |   | ·<br>·<br>·  |  | :<br>  |  |
| λυ      | Ag   | Cu   | Pb   | Zn  | As  | Sb  |  | Fe   |  | Bà   |
| (ppm)   | (ppm)  | (ppm)  | (ppm)  | (nön)   | (ppa)   |   | 1  | - is -   |  | (ppm   |
| 557     | 557  |  | 557  |   |   |   |  |  |  | 55   |
| < 0.01  | K 0.01   | 5  |  |   |   | < 1   |  |  |  | 1  |
| 0.04    | 1.37   | 78   | +  |   | 25  | 2   |  |  | <b>`</b>   | 33   |
| 1.69    | 57.10  | 7,860  |  |   | -   |   |  |  | 46   | 3,63   |
| 0.11    | 2.90   |  |  |   |   |   |  |  | 10   | 37   |
| 0.01    | 0.56   |  |  |   |   |   |  |  | 0 2  | 21   |
| 0.02    | 1.60   | the second s |  |   |   |   |  |  |  | 34   |
| 0.05    | 4.60   |  |  |   |   |   |  |  | 1 1  | 56   |
| 0.002   |  |  |  |   |   |   |  |  |  | 84   |
| <u></u> |  | . 14   |  |   | <u> </u>  | 0.6   | 030_]  | 1.46   | 1.3  | ð  |
| ŀ       | (ppm)<br>557<br>( 0. 01<br>0. 04<br>1. 69<br>0. 11<br>0. 01<br>0. 02 | (ppm)         (ppm)           557         557           < 0.01   | (ppm)         (ppm)         (ppm)           557         557         557           557         557         557           0.01         0.01         5           0.04         1.37         78           1.69         57.10         7.860           0.11         2.90         373           0.01         0.56         31           0.02         1.60         50           0.05         4.60         82 | (ppm)         (ppm)         (ppm)         (ppm)           557         557         557         557           557         557         557         557           557         557         557         557           60.01         0.01         5         18           0.04         1.37         78         110           1.69         57.10         7.860         1.360           0.11         2.90         373         102           0.01         0.56         31         94           0.02         1.60         50         120           0.05         4.60         82         154 | (ppm)         (ppm) <th< td=""><td>(ppm)         (ppm)         <th< td=""><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td></th<></td></th<> | (ppm)         (ppm) <th< td=""><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td></th<> | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |

| Rock(2)           |       |       |       |        |       |        | · · · · · |        | •     |       |          |
|-------------------|-------|-------|-------|--------|-------|--------|-----------|--------|-------|-------|----------|
|                   | Si02  | Ti02  | A1203 | Fe203  | Cr203 | KnO    | CaO       | MgO    | Na20  | K20   | P205     |
| ·                 | (wt%) | (wt%) | (wt%) | (wt%)  | (ppm) | (vt%)  | (wt%)     | (#1%)  | (wt%) | (wt%) | (wt%     |
| No. of Samples    | 557   | 557   | \$57  | \$57   | 557   | 557    | 557       | 557    | 557   | 557   | 55       |
| Arithmetric Min.  | 19.10 | 0.04  | 1.72  | 0.11   | 1 1 1 | K 0.01 | 0.02      | K 0.01 | 0.04  | 0.01  | K 0.0    |
| Arithmetric Mean  | 69.53 | 0.42  | 12.76 | 3.79   | 141   | 0.07   | 1.34      | 1.83   | 2.12  | 1.76  | 0.0      |
| Arithmetric Max.  | 94.94 | 1.66  | 30.86 | 45. 21 | 4 144 | 1.04   | 29.20     | 15.91  | 8.18  | 7. 29 | 0.4      |
| Arithmetric o     | 11.20 | 0.25  | 3.30  | 4.37   | 273   | 0,10   | 2.98      | 2.20   | 1.93  | 1.33  | 0.0      |
| Geometric Kean    | 68.44 | 0.36  | 12.27 | 2.48   | 67    | 0.02   | 0.30      | 0.95   | 1.25  | 1.09  | 0.0      |
| Geometric # 10.50 | 75.23 | 0.48  | 14.25 | 3.95   | 135   | 0.05   | 0.70      | 1.82   | 2.20  | 2.02  | 0.0      |
| Geometric #11.0 o | 82.70 | 0.68  | 16.55 | 6.29   | 273   | 0.13   | 1.63      | 3. 52  | 3.88  | 3.75  | 0.0      |
|                   |       |       |       |        |       |        |           | 0.05   | 0.00  | 0.10  | <u> </u> |
| (                 |       |       |       |        |       |        |           |        |       |       |          |
|                   |       |       |       |        |       |        |           |        |       |       |          |

|                      |       |       |       |       |                                       |                                | ÷     |                 |          |             |       |
|----------------------|-------|-------|-------|-------|---------------------------------------|--------------------------------|-------|-----------------|----------|-------------|-------|
| Rock(3)              |       | ·     |       |       | · · · · · · · · · · · · · · · · · · · |                                |       |                 |          |             |       |
|                      | LOI   | la    | - Ce  | Nd 👘  | Sm                                    | Eu                             | Tb    | Yb              | Lu       | U           | Th    |
|                      | (w1%) | (pom) | (ppm) | (ppm) | (ppm)                                 | (ppm)                          | (ppm) | (ppa)           | (ppm)    | (ppm)       | (ppm) |
| No. of Samples       | 557   | 50    | 50    | 50    | 50                                    | 50                             | 50    | 50              | 50       | 50          | 50    |
| Arithmetric Min.     | 0.66  | 3     | 18    | 1     | <1                                    | <1                             | 5     | < 1             | (1)      | (1          | (1    |
| Arithmetric Mean     | 5.75  | 11    | 32    | 6     | 3                                     | <                              | 13    | 0.6             | 0.8      | 2           |       |
| Arithmetric Max.     | 24.98 | 24    | 49    | 17    | 17                                    | 1                              | 31    | 3               | 3        | 3           |       |
| Arithmetric $\sigma$ | 4.21  | 5     | 8     | 55    | 3                                     | ()                             | 6     | 0.9             | 0.8      | <u>&gt;</u> |       |
| Geometric Mean       | 4.55  | 10    | 31    | 3     | 2                                     | $\overline{\langle 1 \rangle}$ | 12    | 0.2             | 0.4      | <u> </u>    |       |
| Geometric /10.50     |       | 13    | 35    | 7     | 4                                     | 1                              | 15    | 0.5             | 0.7      | 2           |       |
| Geometric # +1.00    |       | 16    | 39    | 13    | 8                                     | < 1                            | 17    | 0.9             | 1.4      | 3           | 6     |
| Background Value     |       | 55    | 57    |       | -                                     |                                |       | <u>V</u> 7<br>- | <u> </u> | 3.9         | 20    |

| Se   | bil |       |       | an a |      |       | ÷.,        |  |       |      | •    | · · · |
|------|-----|-------|-------|--|------|-------|------------|--|-------|------|------|-------|
| L    |     | Âu    | Ag    | Cu                                       | Pb   | Zn    | As         | Sb                                     | Xn    | Fe   | Ko   | Ba    |
| Ľ    | λu  |       |       |  |      |       |            |  |       |      |      |       |
|      | Åg  | 0.29  | -     | 3.8 %                                    |      |       |            | 1                                      | 21    |      | Ì    | •     |
|      | Cu  | 0.32  | 0.30  |  |      |       |            |  |       |      |      |       |
|      | Pb  | 0.42  | 0.37  | 0.56                                     | ÷    |       |            | 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. |       |      |      |       |
| - [] | Zn  | 0.19  | 0.16  | 0.57                                     | 0.54 |       |            |  |       |      |      |       |
|      | ٨s  | 0.44  | 0.36  | 0.46                                     | 0.74 | 0.36  | - 1<br>- 1 |  |       |      |      |       |
|      | Sb  | 0.25  | 0.30  | 0.33                                     | 0.60 | 0.30  | 0.56       | -                                      |       |      |      | •     |
|      | Mn  | -0.05 | -0.05 | 0.10                                     | 0 01 | 0.46  | 0.11       | -0.01                                  |       |      |      | : .   |
| 1    | Fe  | 0.33  | 0.18  | 0.41                                     | 0.52 | 0.50  | 0.34       | 0.31                                   | 0.31  |      |      |       |
|      | No  | 0.23  | 0.24  | 0.24                                     | 0.37 | -0.01 | 0.39       | 0.31                                   | -0.28 | 0.11 |      |       |
|      | Ba  | 0.29  | 0.28  | 0. 29                                    | 0.34 | 0.10  | 0.41       | 0.24                                   | 0.00  | 0.21 | 0.22 |       |

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Table 4-2 Correlation Coefficient of Geochemical Data (1)

Rock(1)

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| MOUNT ! | · · · · · · · · · · · · · · · · · · · |      | <u>er de la compo</u> nse | a tha an an |       | ·     |       |       | · · · |                   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|---------|---------------------------------------|------|---------------------------|-------------|-------|-------|-------|-------|-------|-------------------|---------------------------------------|
|         | Au                                    | Ag   | Cu                        | РЬ          | Zn    | As    | Sb    | . Nn  | Fe    | Mo                | Ba                                    |
| λu      | - '                                   |      |                           |             |       |       |       |       |       |                   | - <u></u>                             |
| Ag      | 0.13                                  |      |                           |             |       |       |       |       |       |                   |                                       |
| Cu      | 0.24                                  | 0.25 | -                         | [           |       |       |       |       |       | · · · · · · · · · |                                       |
| Pb      | 0. 27                                 | 0.21 | 0.51                      | -           |       |       |       |       |       |                   |                                       |
| Zn      | 0.05                                  | 0.22 | 0.50                      | 0.60        | ÷     |       |       |       |       |                   |                                       |
| As      | 0.31                                  | 0.20 | 0. 32                     | 0.28        | 0.09  |       |       | · · · |       |                   |                                       |
| Sb      | 0.28                                  | 0.21 | 0.31                      | 0.33        | 0.15  | 0.63  | 1     |       |       |                   |                                       |
| Xn      | -0.24                                 | 0.05 | 0.03                      | 0.08        | 0.42  | -0.33 | -0.30 |       |       |                   |                                       |
| Fe      | 0.05                                  | 0.12 | 0.36                      | 0.37        | 0.47  | 0.10  | -0.01 | 0.50  |       |                   |                                       |
| Ko      | 0.30                                  | 0.15 | 0.21                      | 0.14        | -0.09 | 0.47  | 0.41  | -0.42 | -0.14 |                   |                                       |
| Ba      | 0.01                                  | 0.05 | -0.05                     | -0.02       | -0.16 | 0.17  | 0.15  | -0.24 | -0.41 | 0.20              | · -                                   |

Rock(2)

|   |    | Si02  | A1203 | Ti02  | Na203 | K20   | Ca0   | Ng0   | Fe203 | Cr203 | MnO   | P205     | LOI   | 1 |
|---|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|---|
| ļ | Au | 0.01  | -0.19 | -0.10 | -0.26 | -0.04 | -0.20 | -0.21 | 0.05  | 0.13  | -0.23 | 0.00     | -0.01 |   |
|   | Ag | -0.11 | -0.08 | 0.04  | -0.08 | -0.03 | 0.00  | -0.02 | 0.12  | 0.06  | 0.01  | 0.14     | -0.02 |   |
| ļ | Cu | -0.36 | 0.00  | 0.08  | -0.15 | -0.13 | 0.05  | -0.05 | 0.36  | 0.03  | 0.00  | 0.16     | 0.24  |   |
| ļ | Рь | -0.43 | 0.09  | 0.24  | -0.14 | -0.12 | 0.10  | 0.11  | 0.37  | 0.00  | 0.06  | 0.28     | 0.33  |   |
|   | Zn | -0.45 | 0.20  | 0.27  | 0.11  | -0.16 | 0.28  | 0.25  | 0.47  | -0.06 | 0.40  | 0.25     | 0.35  |   |
|   | As | 0.06  | -0.29 | -0.07 | -0.40 | 0.18  | -0.36 | -0.30 | 0.10  | 0.03  | -0.33 | 0.01     | -0.02 |   |
| Į | Sb | 0.09  | -0.42 | -0.15 | -0.33 | 0.08  | -0.28 | -0.27 | -0.01 | 0.09  | -0.30 | -0.14    | -0.07 |   |
|   | Mn | 0.49  | 0.35  | 0.36  | 0.43  | -0.18 | 0.62  | 0.57  | 0.50  | -0.11 | 0.96  | 0 39     | 0.18  | 1 |
| L | Fe | -0.70 | 0.21  | 0.38  | 0.11  | -0.36 | 0.42  | 0 34  | 1.00  | 0.16  | 0.47  | 0.47     | 0.46  |   |
|   | Ko | 0 17  | -0.34 | -0.18 | -0.43 | 0.16  | -0.39 | -0.25 | -0.14 | 0.06  | -0.43 | -0.16    | -0.17 |   |
| L | Ba | 0.37  | -0.14 | -0.12 | -0.12 | 0.61  | -0.27 | -0.14 | -0.41 | 0.02  | -0.19 | -0.16    | -0.21 |   |
|   |    |       |       |       |       |       |       |       |       |       |       | <u> </u> | V. U. |   |

Rock(3)

|           | <u>Au</u> | Ag            | Cu    | Pb    | Zn    | As    | Sb    | Xn -  | Fe    | Mo     | Ba   |  |  |
|-----------|-----------|---------------|-------|-------|-------|-------|-------|-------|-------|--------|------|--|--|
| La        | -0.24     | -0.22         | 0.03  | -0.17 | 0.16  | -0.41 | -0.20 | 0.09  | -0.09 | -0.14  | 0.14 |  |  |
| Ce        | -0.03     | -0.11         | 0.15  | -0.12 | -0.14 | -0.26 | -0.08 | -0.02 | -0.14 | -0.02  | 0.05 |  |  |
| Nd        | -0.14     | -0.21         | 0.16  | -0.15 | -0.10 | -0.28 | -0.13 | 0.29  | 0.02  | -0.16  | 0.06 |  |  |
| Sm        | 0.07      | -0, 16        | -0.02 | -0.24 | -0.25 | -0.21 | -0.23 | 0.16  | 0.13  | -0.14  | 0.07 |  |  |
| Eu        | 0.00      | -0.02         | 0.07  | 0.01  | 0.03  | -0.05 | -0.15 | 0.06  | 0.10  | -0. 12 | 0.09 |  |  |
| <u>Tb</u> | -0.03     | -0.06         | -0.21 | -0.12 | -0.14 | -0.06 | -0.05 | 0.06  | -0.16 | 0.11   | 0.26 |  |  |
| Yb        | -0.23     | <u>-0. 19</u> | -0.28 | -0.13 | 0.04  | -0.35 | -0.40 | 0.08  | -0.28 | -0.15  | 0.03 |  |  |
| Lu        | 0.03      | -0.08         | 0.05  | -0.10 | -0.02 | -0.05 | 0.04  | 0.08  | 0.07  | 0.31   | 0.09 |  |  |
| Th        | 0.10      | -0.03         | 0.08  | 0.00  | -0.07 | -0.21 | 0.05  | -0.34 | -0.42 | -0.05  | 0.33 |  |  |
| U         | 0.09      | 0.06          | 0.05  | 0.13  | 0.21  | -0.04 | 0.10  | -0.05 | -0.18 | 0.02   | 0.09 |  |  |

Table 4-2 Correlation Coefficient of Geochemical Data (2)

|           |       | 1.    |      |       |       |       |       |       |       | • •   | . *   |       |
|-----------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Rock(4)   |       |       | 1    |       |       |       |       |       |       |       |       | 1     |
|           | Si02  | A1203 | Ti02 | Na20  | K20   | CaO   | . NgO | Fe203 | Cr203 | MnO   | P205  | 101   |
| La        | 0.07  | 0.22  | 0.00 | 0. 07 | -0.04 | 0 30  | 0.14  | -0.09 | -0.01 | 0.21  | 0.15  | 0.15  |
| Ce        | 0.01  | 0.36  | 0.06 | 0.07  | -0.02 | 0.22  | 0.05  | -0.14 | -0.05 | 0.11  | 0.12  | 0.16  |
| Nd        | 0.01  | 0.28  | 0.04 | 0.13  | 0.01  | 0.46  | 0.27  | 0.02  | -0.05 | 0.31  | 0.42  | 0.19  |
| Sm        | -0.02 | 0 07  | 0.23 | 0.12  | 0.04  | 0.27  | 0.16  | 0.13  | 0.22  | 0.18  | 0.19  | 0 01  |
| Eu        | -0.16 | 0.18  | 0.24 | -0.06 | 0.02  | -0.05 | 0.15  | 0.10  | -0.02 | 0.12  | -0.05 | 0.26  |
| <u>Tb</u> | 0. 20 | -0.31 | 0.14 | -0.09 | 0.15  | 0.08  | 0.08  | -0.16 | 0.08  | -0.02 | -0.03 | -0.29 |
| Yb        | 0. 07 | 0. 24 | 0.25 | 0.27  | 0.17  | 0.29  | 0.32  | -0.28 | -0.09 | 0.09  | -0.16 | 0.07  |
| Lu        | 0.12  | -0.08 | 0.13 | -0.03 | 0.10  | -0.10 | 0. 02 | 0.07  | 0.15  | 0.19  | -0.21 | 0.08  |
| Th        | 0.06  | 0.30  | 0.09 | +0.12 | 0.07  | -0.15 | -0.05 | -0.42 | 0.01  | 0.20  | -0.33 | -0.10 |
| U         | -0.10 | 0.10  | 0.43 | -0.06 | 0.40  | 0.01  | 0.26  | -0.17 | -0.10 | -0.07 | -0.36 | 0.01  |

Rock(5)

|           | La    | Ce    | Nd    | Sm    | Eu    | îЪ    | Yb   | Lu   | Th   | U    |
|-----------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| La        | 1.00  |       |       |       | · .   |       |      |      |      |      |
| Ce        | 0.81  | 1.00  |       |       |       |       |      |      |      |      |
| Nd        | 0.68  | 0.67  | 1.00  |       |       |       |      |      |      | · ·  |
| Sa        | 0.14  | 0.26  | 0.26  | 1.00  |       |       | :    |      | i    |      |
| Ευ        | 0.20  | 0.09  | 0.15  | 0.15  | 1.00  | :     |      |      |      | 1    |
| Tb        | -0.07 | -0.15 | -0.05 | 0.21  | -0.06 | 1.00  |      |      |      | ·    |
| Yb        | 0.28  | 0.14  | 0.18  | -0.02 | 0.23  | 0.03  | 1.00 |      |      |      |
| Lu        | 0.28  | 0.18  | 0.06  | -0.02 | 0.18  | -0.03 | 0.17 | 1.00 |      |      |
| <u>Th</u> | 0.42  | 0.38  | 0.07  | -0.10 | 0.16  | 0.02  | 0.25 | 0.25 | 1.00 |      |
| U         | 0.13  | 0.04  | -0.05 | -0.09 | 0.20  | 0.06  | 0.40 | 0.18 | 0.51 | 1.00 |

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## Table 4-3 Principal Components Analysis of Geochemical Data

| 1. Soil Sampl | le         |       |       |       |        |         |      |  |            |             |             | . *   |
|---------------|------------|-------|-------|-------|--------|---------|------|--|------------|-------------|-------------|-------|
| · ·           | Ratio      |       |       |       | Factor | Loading |      | ······································ | •••••••••• |             | - • <u></u> |       |
|               |            | Au    | ٨g    | Cu    | РЬ     | Zn      | As   | Sb                                     | - N.B      | Fe          | Ko          | Ba    |
| First Compor  |            | 0.57  | 0.51  | 0.61  | 0.81   | 0.67    | 0.71 | 0.88                                   | 0.62       | 0.08        | 0.44        | 0.50  |
| Second Compo  | onent 0.16 | -0.15 | -0.23 | 0. 62 | -0.22  | -0.13   | 0.19 | -0.02                                  | 0.41       | 0, 83       | -0.55       | -0.19 |
| · ·           |            |       |       |       |        |         |      | ,                                      |            |             | •           | •     |
|               |            | 1     |       |       |        |         | ÷    |  |            | ti se je te |             |       |

## 2. Rock Sample

|   | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - | Ratio | <u> </u>                              |      | 1    | Factor | Loading |      |       |       |      |       |           |
|---|---|-------|---------------------------------------|------|------|--------|---------|------|-------|-------|------|-------|-----------|
|   |   |       | Au                                    | Ag   | Cu   | Pb     | Zn      | As   | Sb    | Mn    | Fe   | Xo    | Ba        |
|   | First Component   |       | -0, 17                                | 0.06 | 0.22 | 0.33   | 0.55    | 0.28 | -0.30 | 0.79  | 0.77 | -0.45 | -0.44     |
| • | Second Component  | 0.16  | 0.54                                  | 0.37 | 0.68 | 0.67   | 0.43    | 0.72 | 0.67  | -0.24 | 0.38 | 0.52  | -0.01     |
| 1 | r   |       | · · · · · · · · · · · · · · · · · · · |      |      | 1.0    |         |      |       |       |      |       | <u></u> ] |

|   | 1                | Ratio |       |              |      | Factor | Loading      |       | · · · | · <u> </u> |       |       |      | <del>ر</del> ۲ |
|---|------------------|-------|-------|--------------|------|--------|--------------|-------|-------|------------|-------|-------|------|----------------|
|   | <u></u>          |       | Si02  | A1203        | Ti02 | Na20   | K20          | CaO   | lig0  | Fe203      | Cr203 | Nn0   | P205 | 101            |
|   | First Component  | 0.29  | 0.82  | <u>0. 57</u> | 0.59 | 0.38   | <u>-0.41</u> | 0.70  | 0.63  | 0.77       | -0.17 | 0.76  | 0.55 | 0.54           |
| ļ | Second Component | 0.16  | -0.27 | -0.24        | 0.05 | -0.50  | -0.08        | -0.21 | -0.21 | 0.38       | 0.03  | -0.27 | 0.13 | 0.27           |
|   |                  |       |       |              |      |        | 4            |       |       |            |       |       | ·    |                |

## 3. Rock Sample(with rare earth elements)

|                  | Ratio |       |       |       | Factor | Loading | - <u></u> |      | : :   | · · · · |       | :    |
|------------------|-------|-------|-------|-------|--------|---------|-----------|------|-------|---------|-------|------|
|                  |       | Au    | Ag    | Cu    | Po     | Zn      | As        | Sb   | Xn    | Fe      | No    | Ba   |
| First Component  | 0.19  | -0.54 | -0.67 | -0.68 | -0.63  | -0.45   | -0.76     | 0.62 | 0.29  | -0.71   | -0.21 | 0.56 |
| Second Component | 0.15  | 0.00  | -0.14 | -0.26 | -0.39  | -0.51   | 0.09      | 0.17 | -0.65 | -0.32   | 0.35  | 0.26 |
|                  |       |       |       |       |        | :       | •         |      |       |         |       |      |

|                  | Ratio |      | Factor Loading |        |       |       |       |       |       |       |       |       |       |
|------------------|-------|------|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  |       | Si02 | A1203          | Ti02   | Na20  | K20   | CaO   | MgO   | Fe203 | Cr203 | MnO   | P205  | LOI   |
| First Component  | 0.19  | 0.58 | 0.14           | 0.19   | 0.48  | 0.34  |       | 0.49  | -0.71 | 0. 02 | 0.27  | -0.30 | -0.57 |
| Second Component | 0.15  | 0.50 | -0.51          | -0, 49 | -0.38 | -0.34 | -0.65 | -0.61 | -0.32 | 0.24  | -0.67 |       | -0.54 |

|                                       |       |       |                |       |       |       |         |       | · · · · · · · · · · · · · · · · · · · |      |       |  |  |  |  |
|---------------------------------------|-------|-------|----------------|-------|-------|-------|---------|-------|---------------------------------------|------|-------|--|--|--|--|
| (                                     |       |       | ·              |       |       |       |         |       |                                       |      |       |  |  |  |  |
|                                       | Ratio | -     | Factor Loading |       |       |       |         |       |                                       |      |       |  |  |  |  |
| · · · · · · · · · · · · · · · · · · · |       | La    | Ce             | Nd    | Sa    | Eu    | Tb      | ¥ħ    | Lu.                                   | Th   | ŧ۲.   |  |  |  |  |
| First Component                       | 0.19  | 0.37  | 0.25           | 0.27  | 0.19  | 0.03  | 0 20    | 0 11  | 0 11                                  | 30.0 | 0 12  |  |  |  |  |
| Second Component                      | 0.15  | -0.35 | -0.32          | -0.50 | -0.24 | -0.29 | 0.20    | -0.20 | -0.12                                 | 0.20 | -0.16 |  |  |  |  |
|                                       |       |       |                |       |       |       | <u></u> | 0.23  | <u>v. 16  </u>                        | 0.05 | 0.10  |  |  |  |  |

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