

Appendix 8 Geological sketch of trench

(Scale 1/100)

LEGEND



A Horizon



B Horizon



biotite granite



two mica granite



pegmatite vein



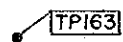
quartz vein



aplite vein



locality of sample for chemical analysis

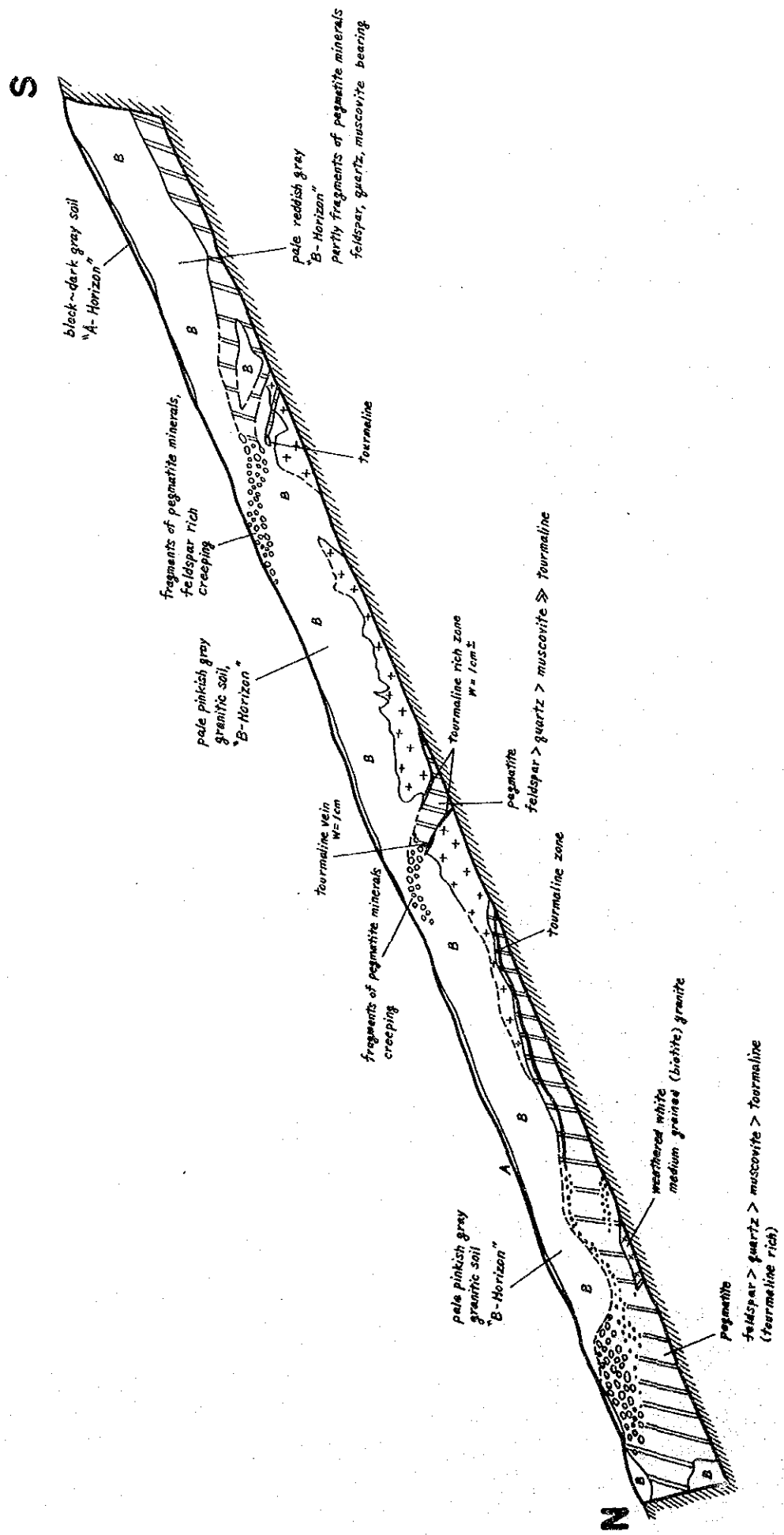


locality of panning sample

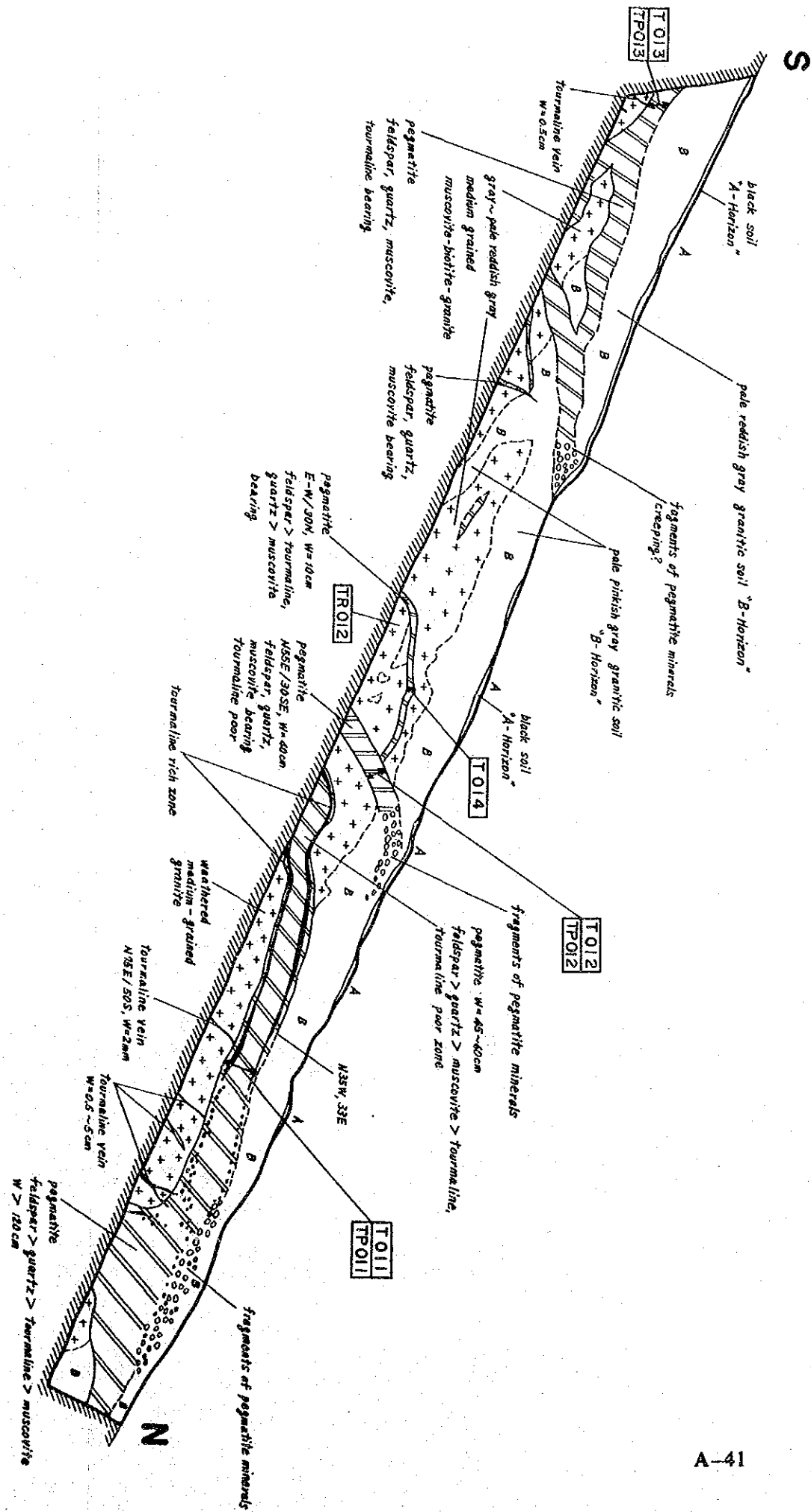


locality of rock sample

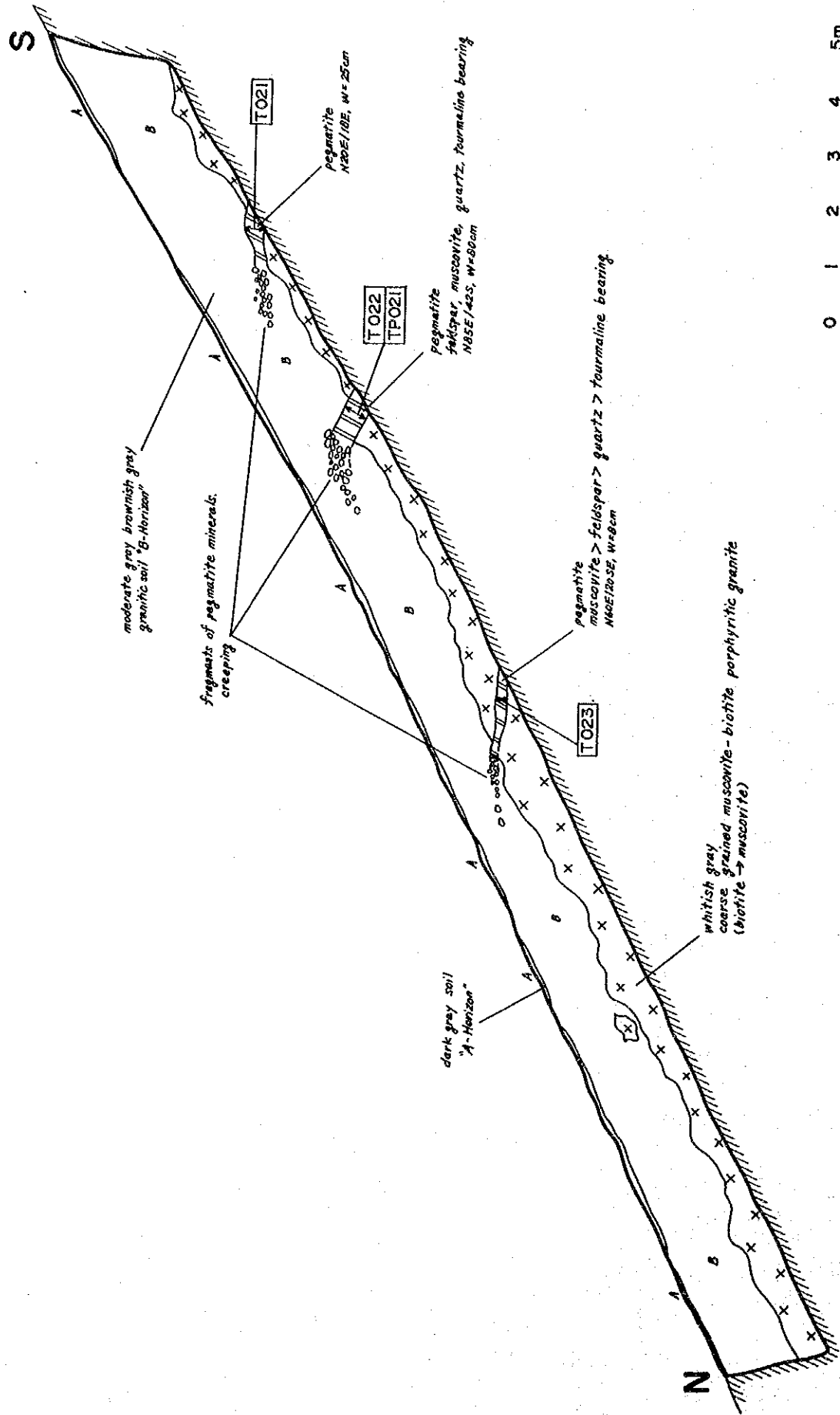
T-1



Looking West

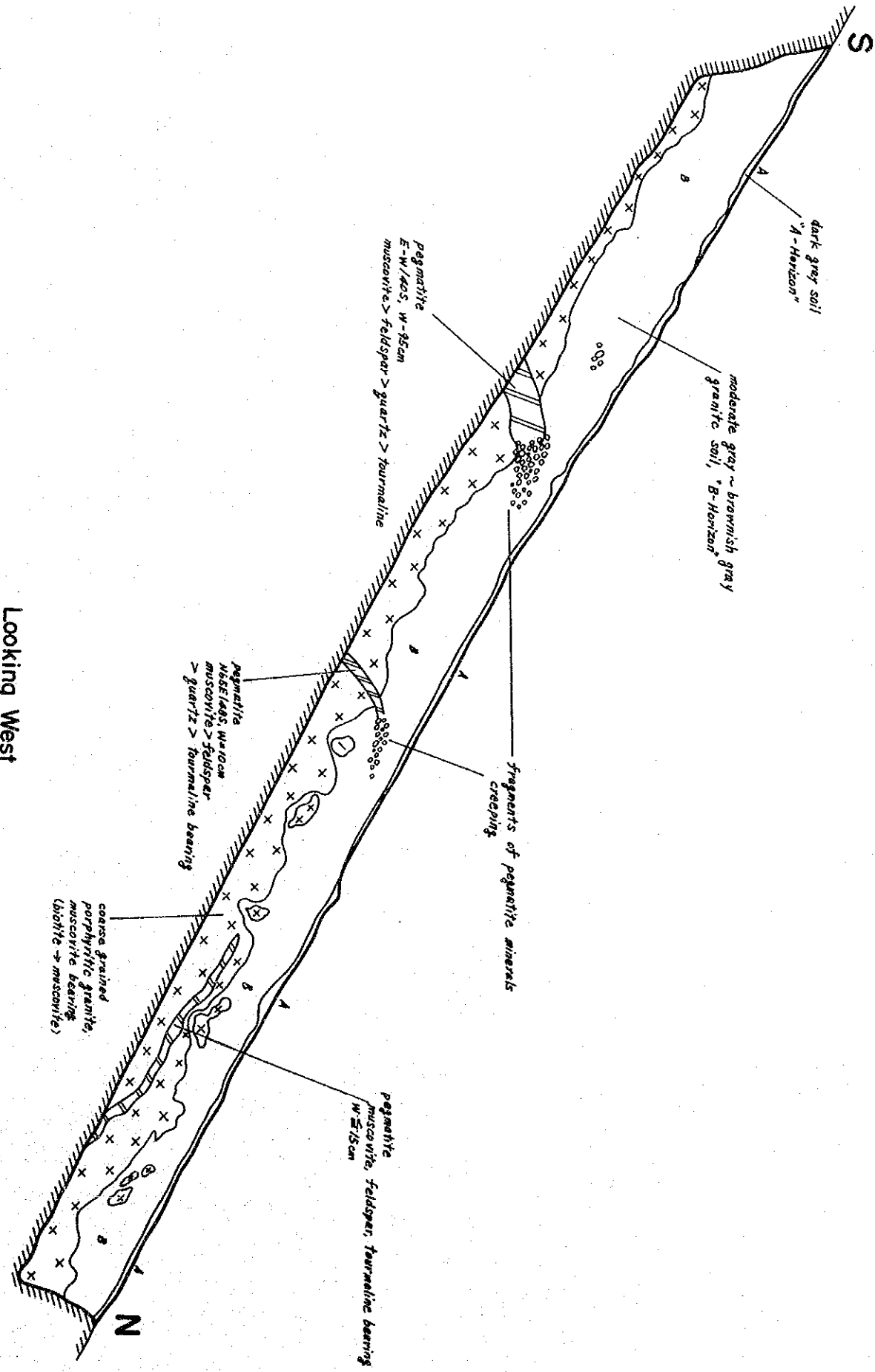


T-2

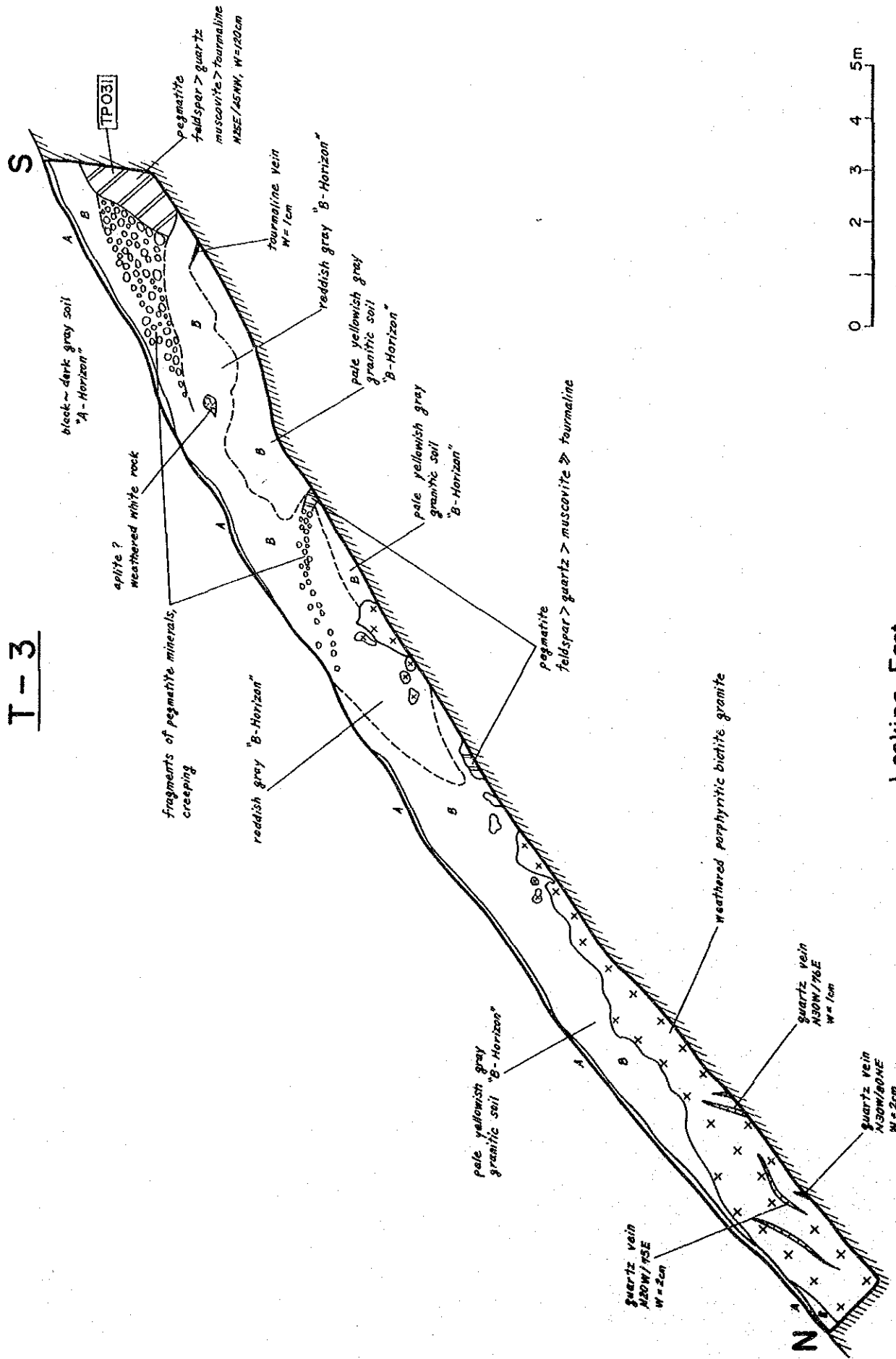


Looking East

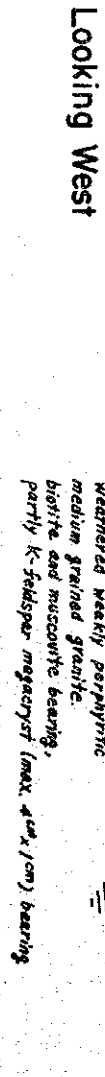
Looking West



T-3

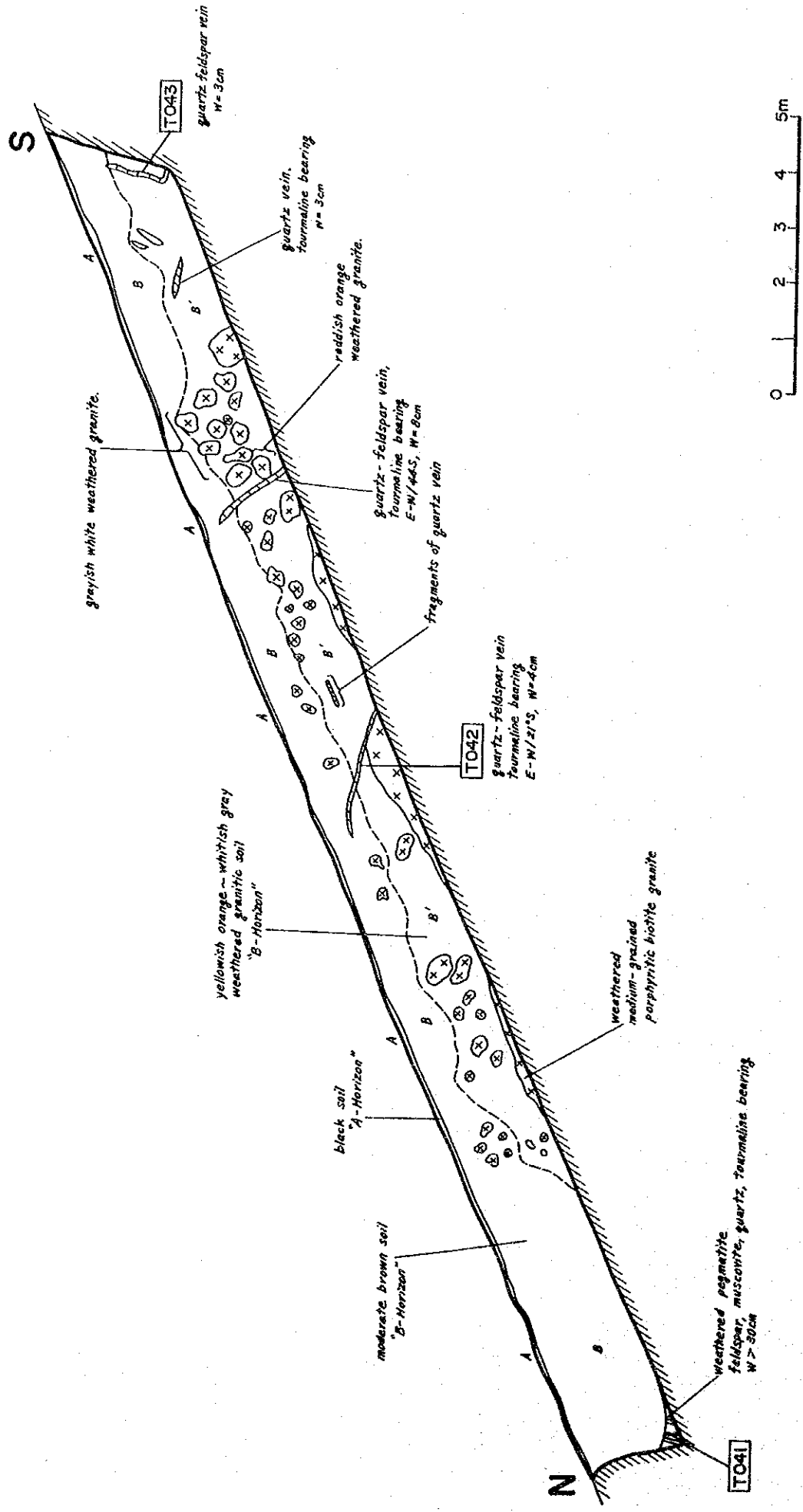


Looking East



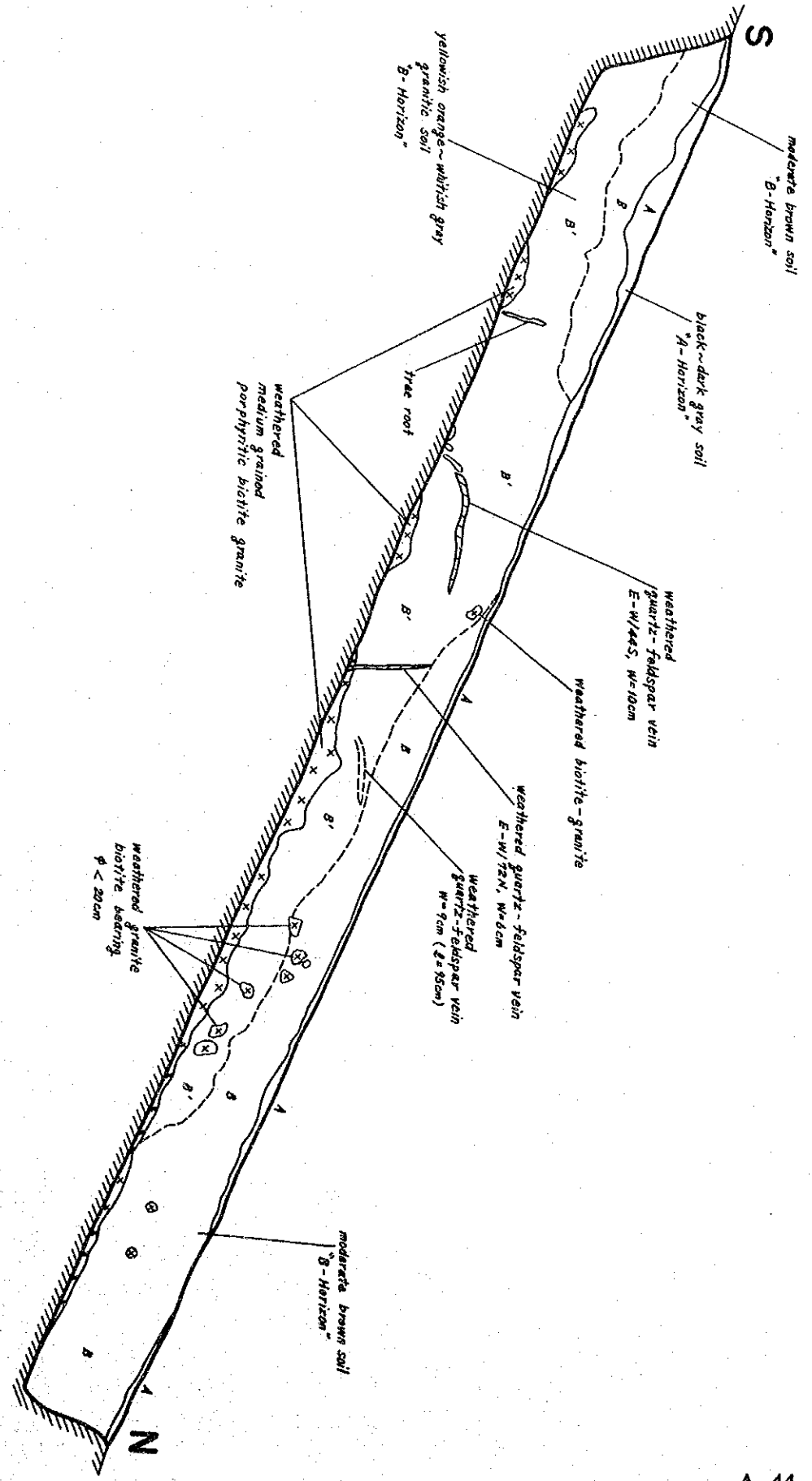
Looking West

T-4

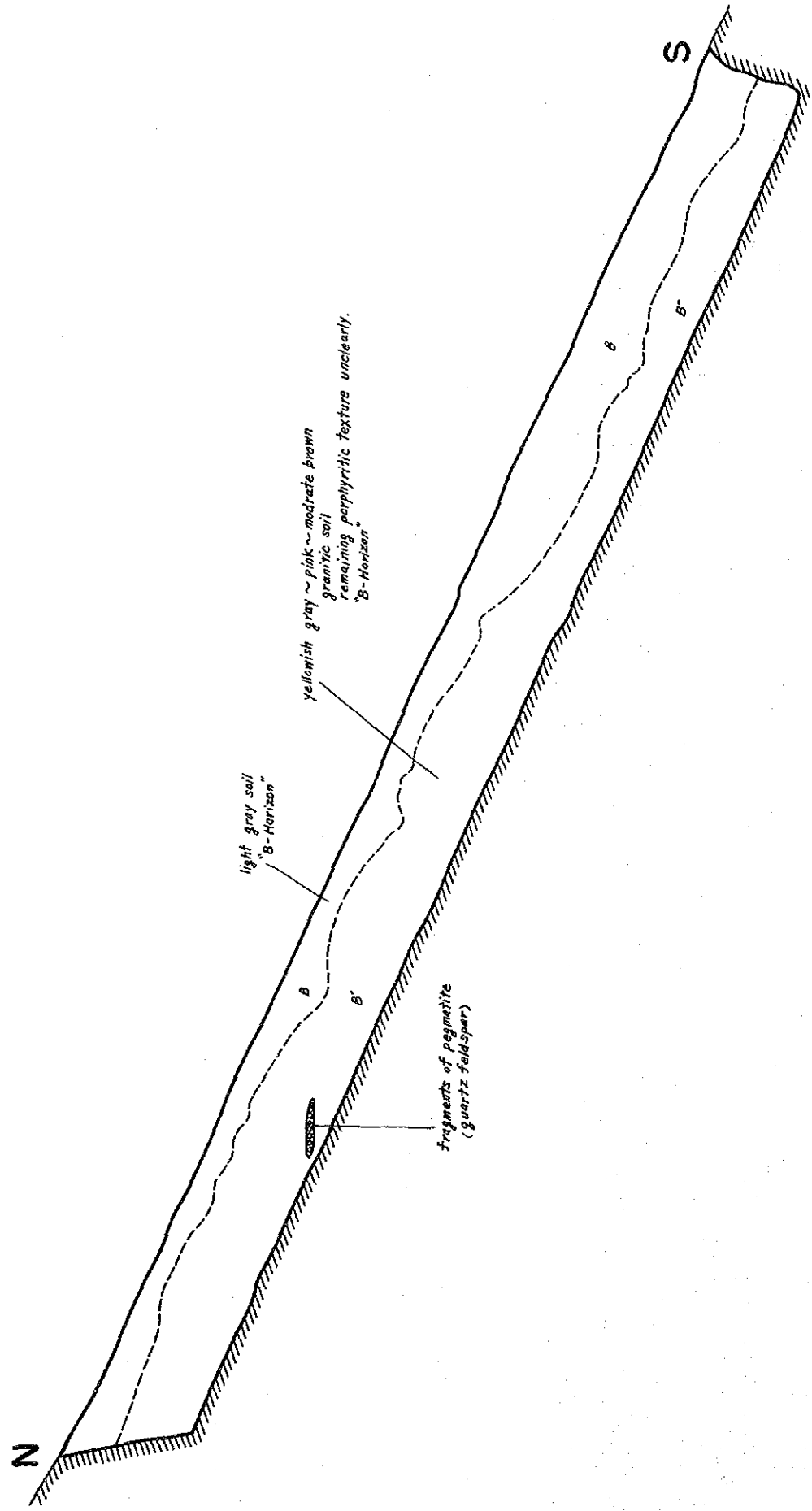


Looking East

Looking West

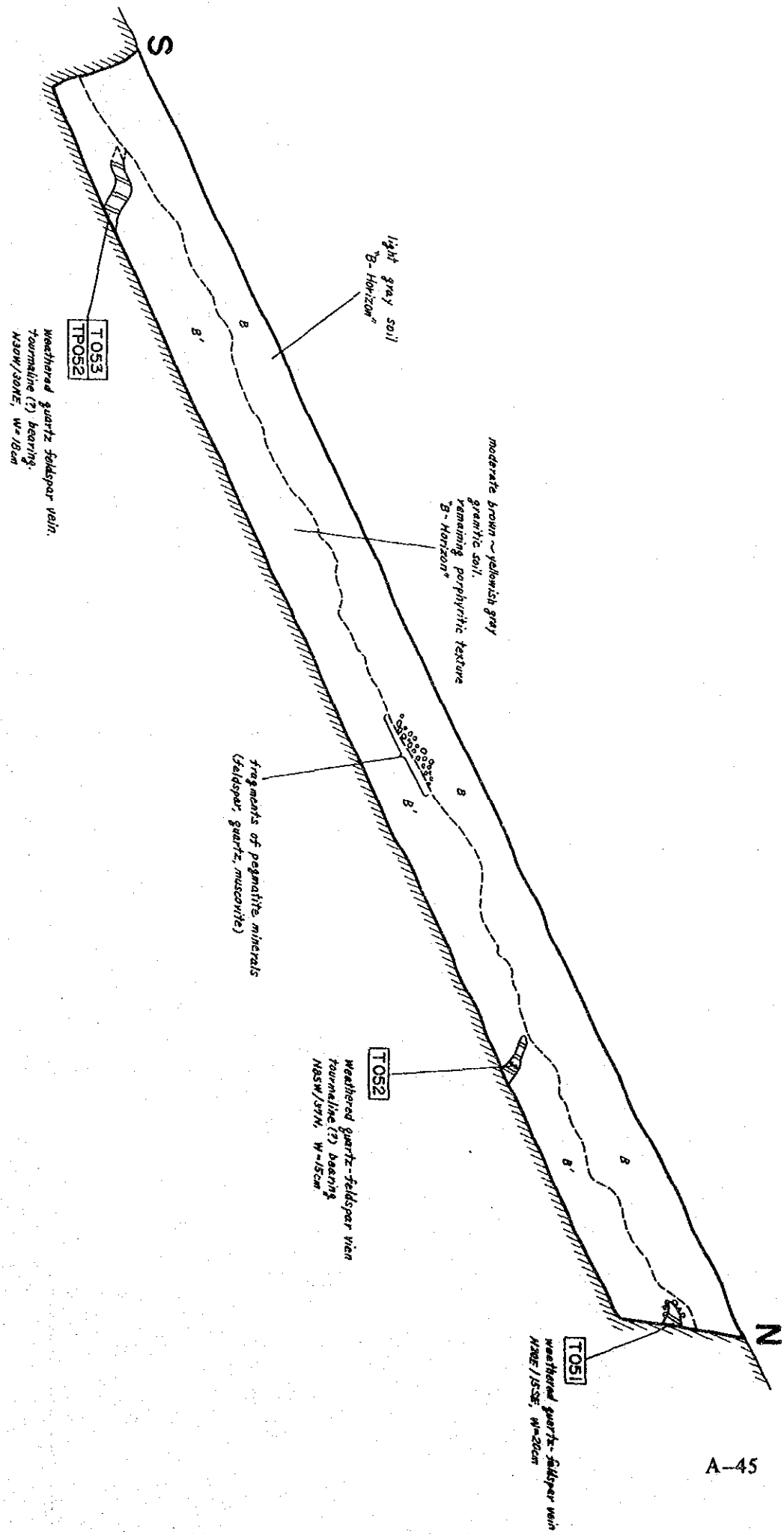


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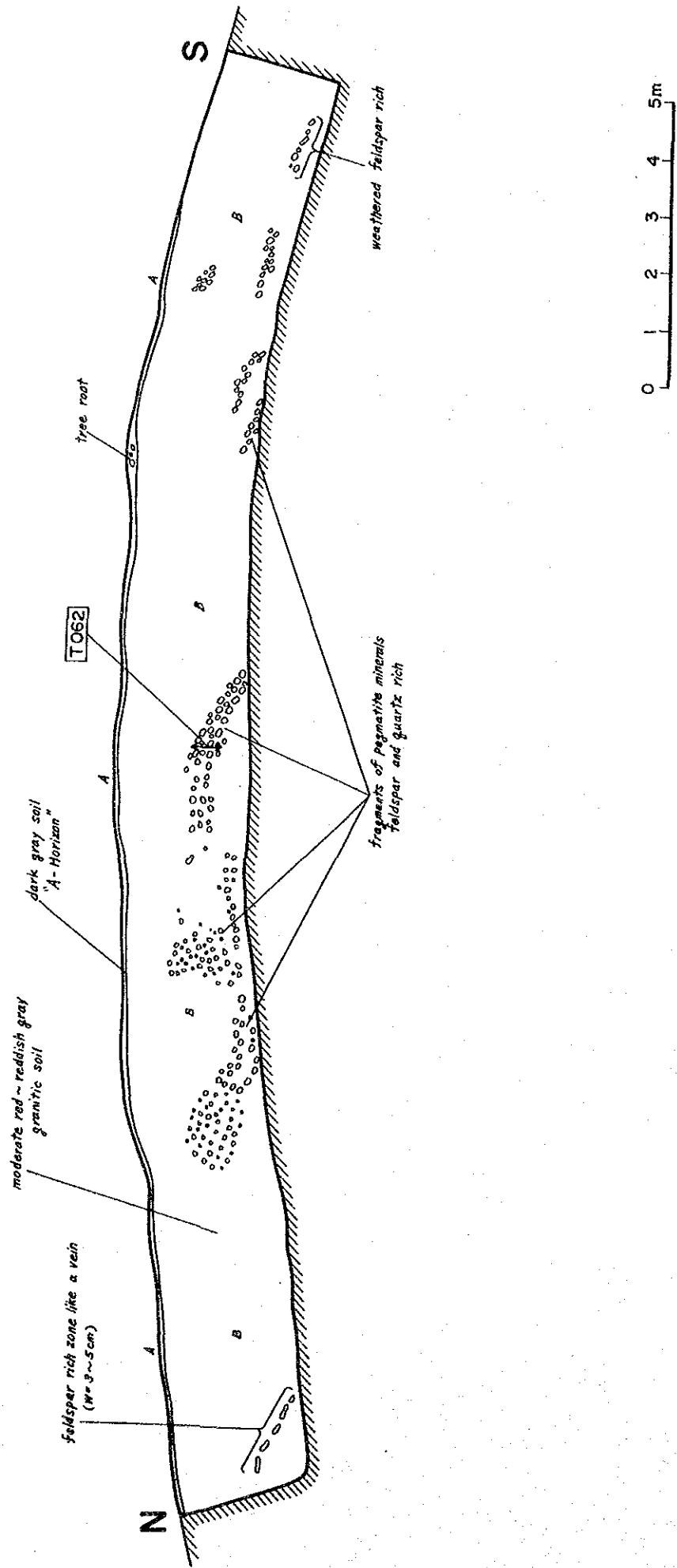


Looking East

Looking West

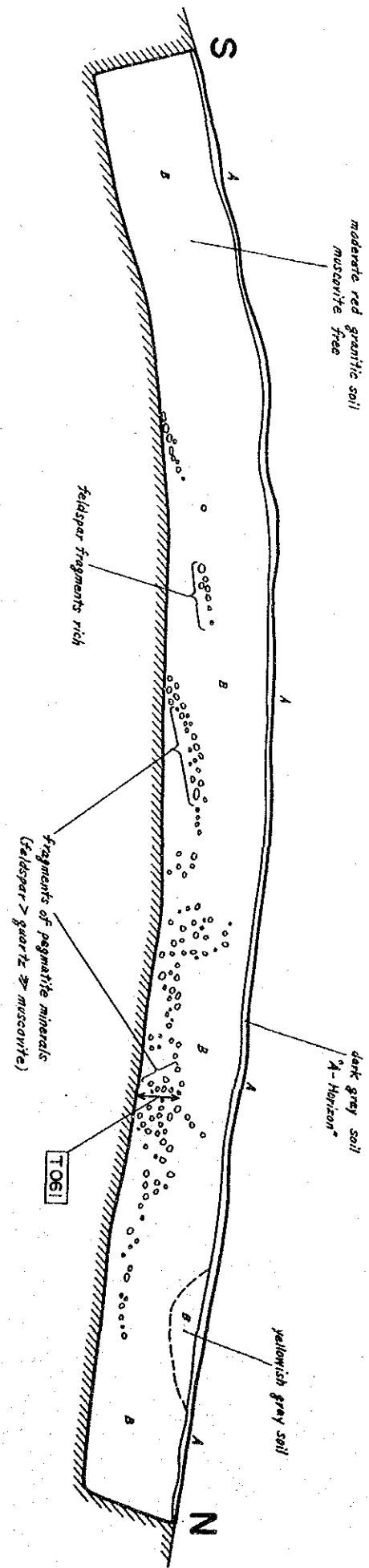


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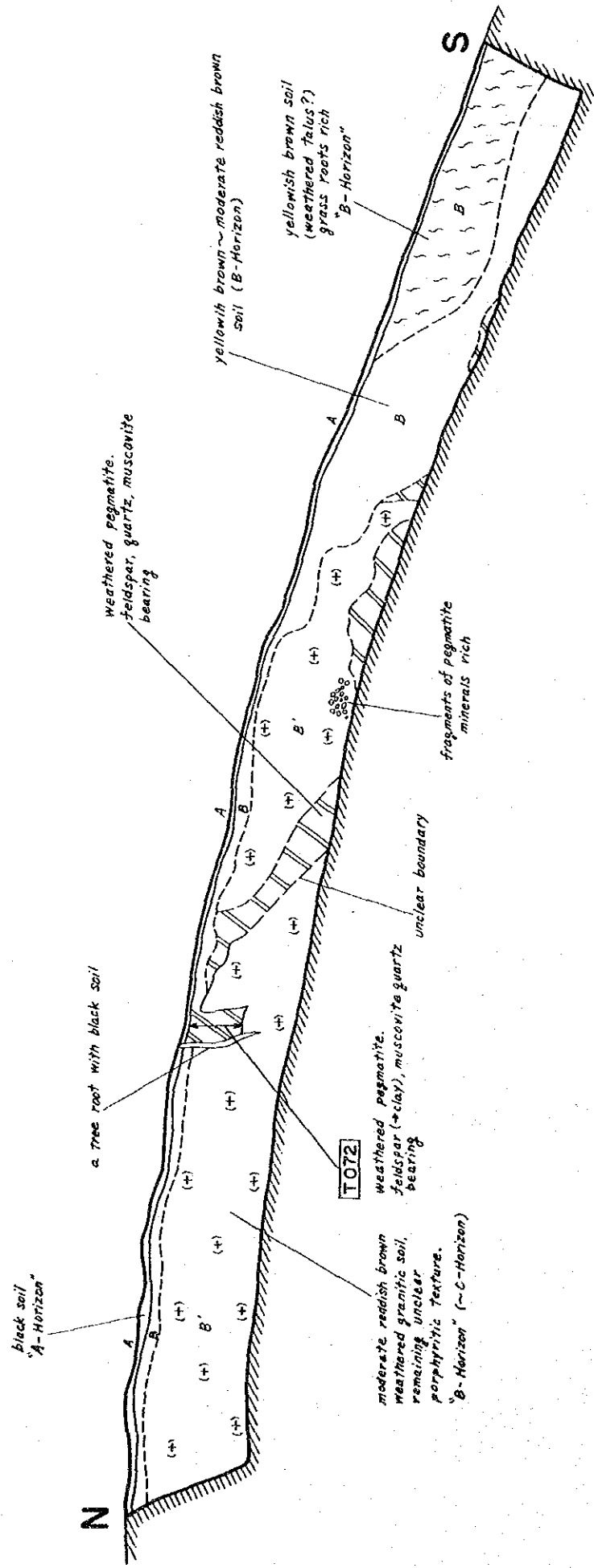


Looking East

Looking West

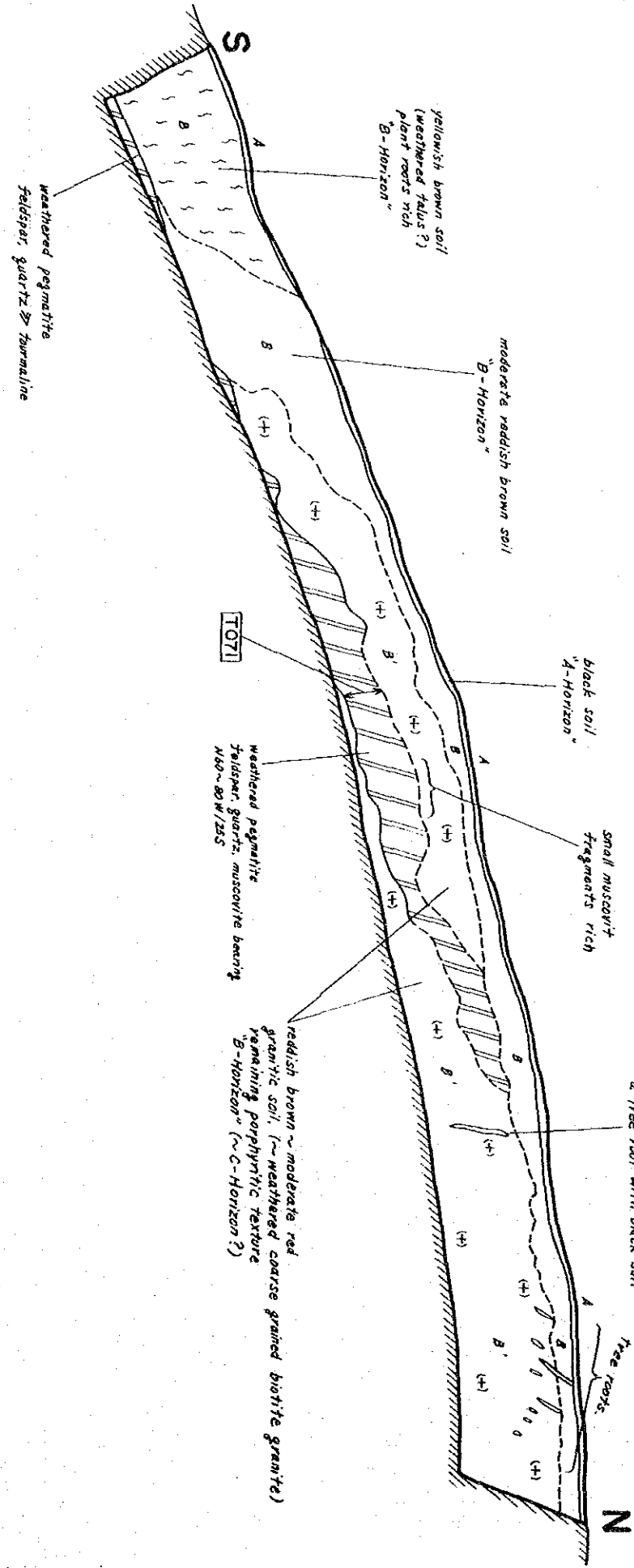


T-7

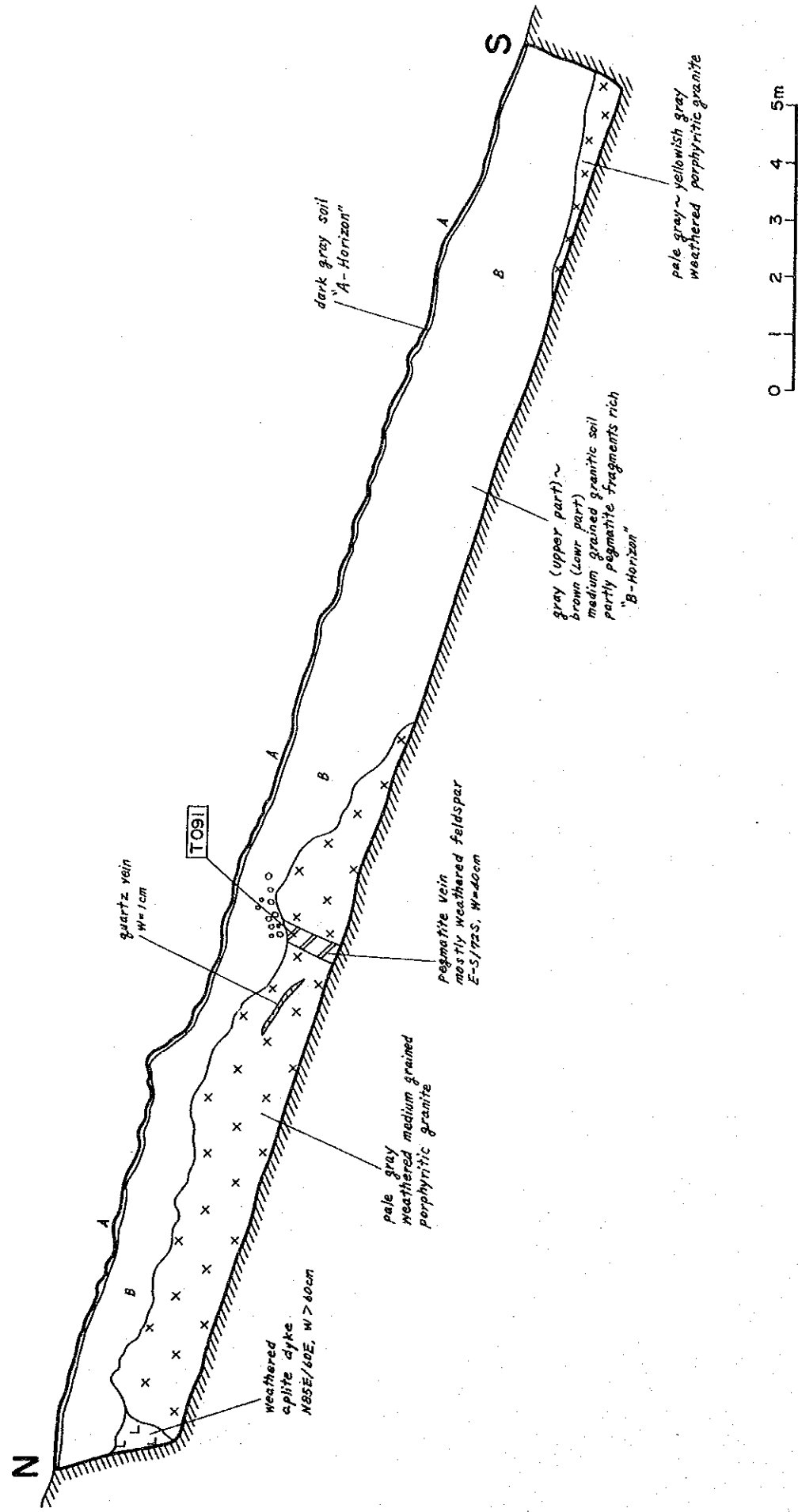


Looking East

Looking West

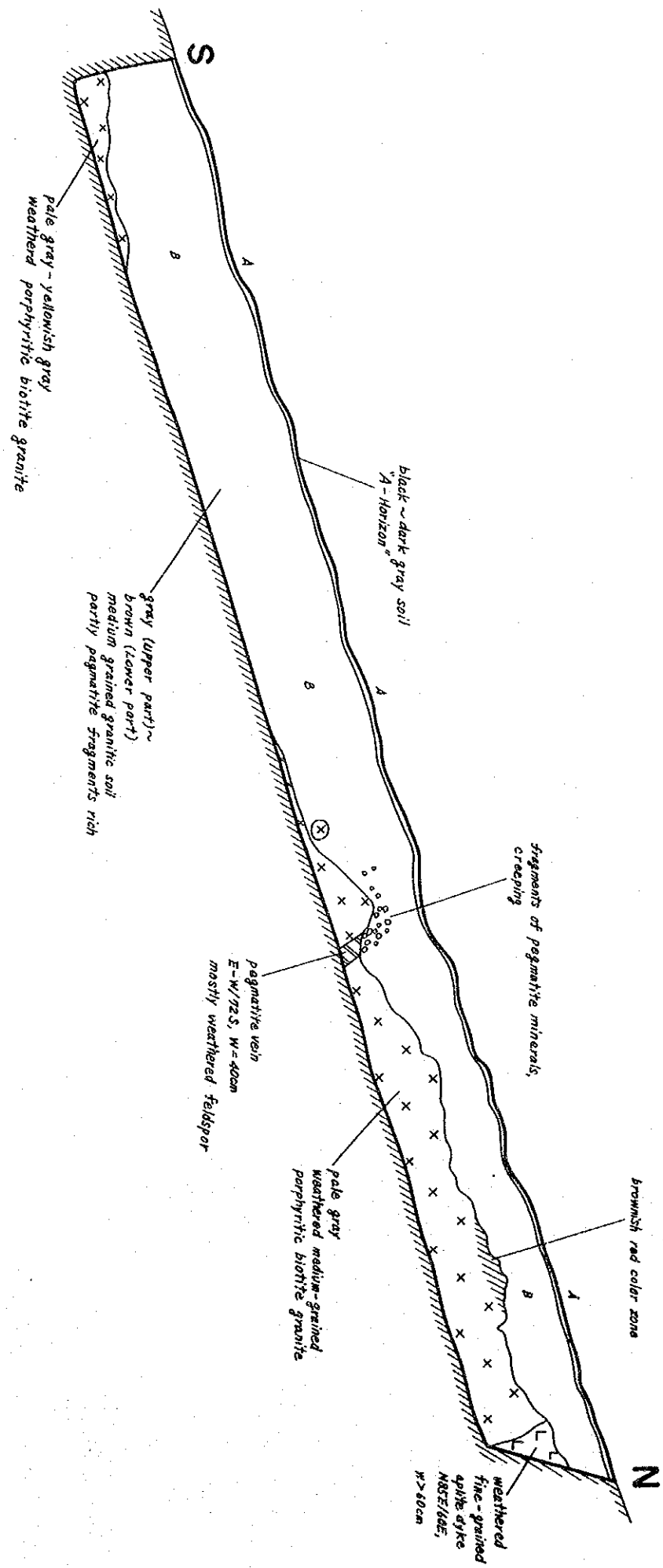


T-9



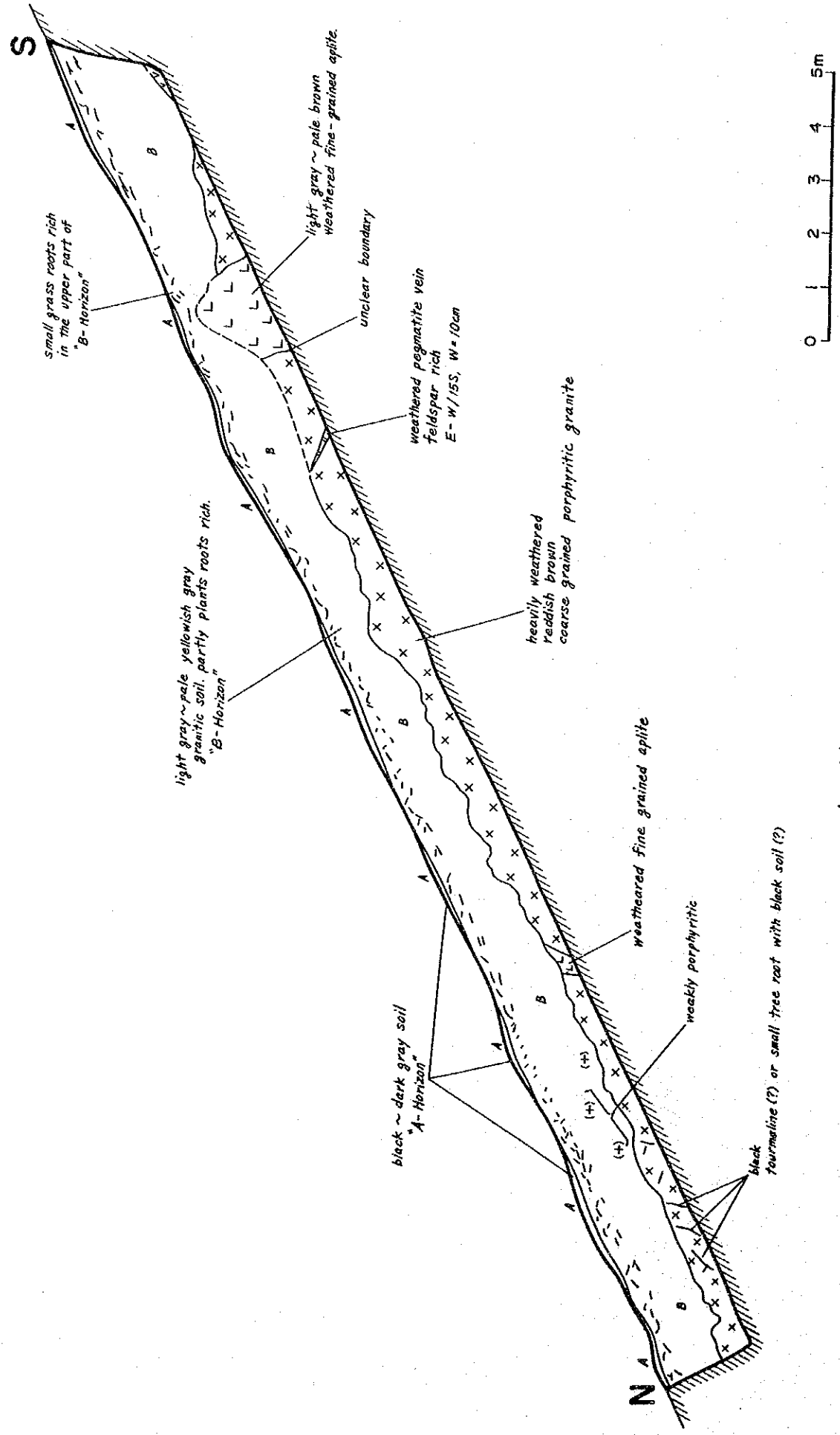
Looking East

Looking West



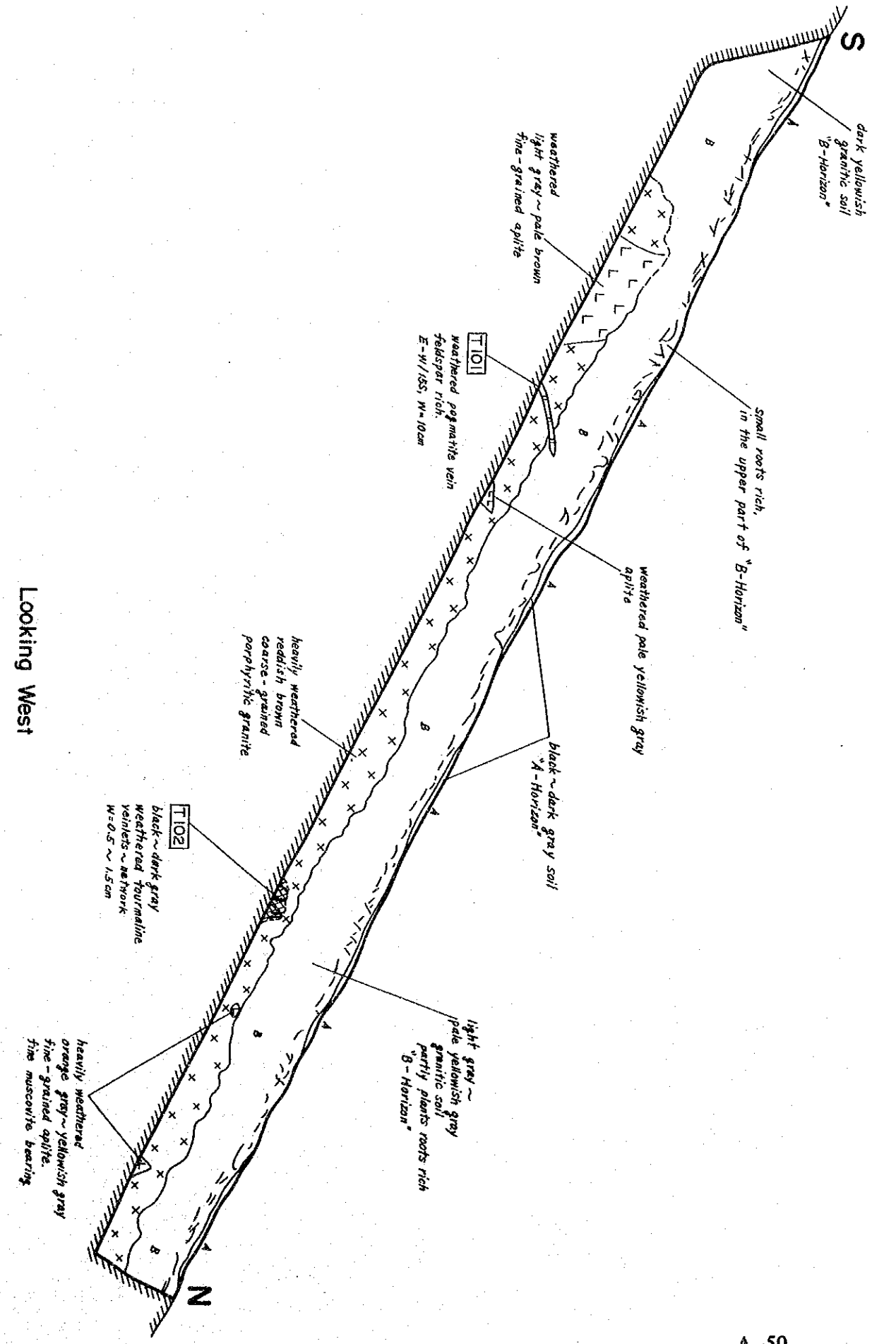
A-49

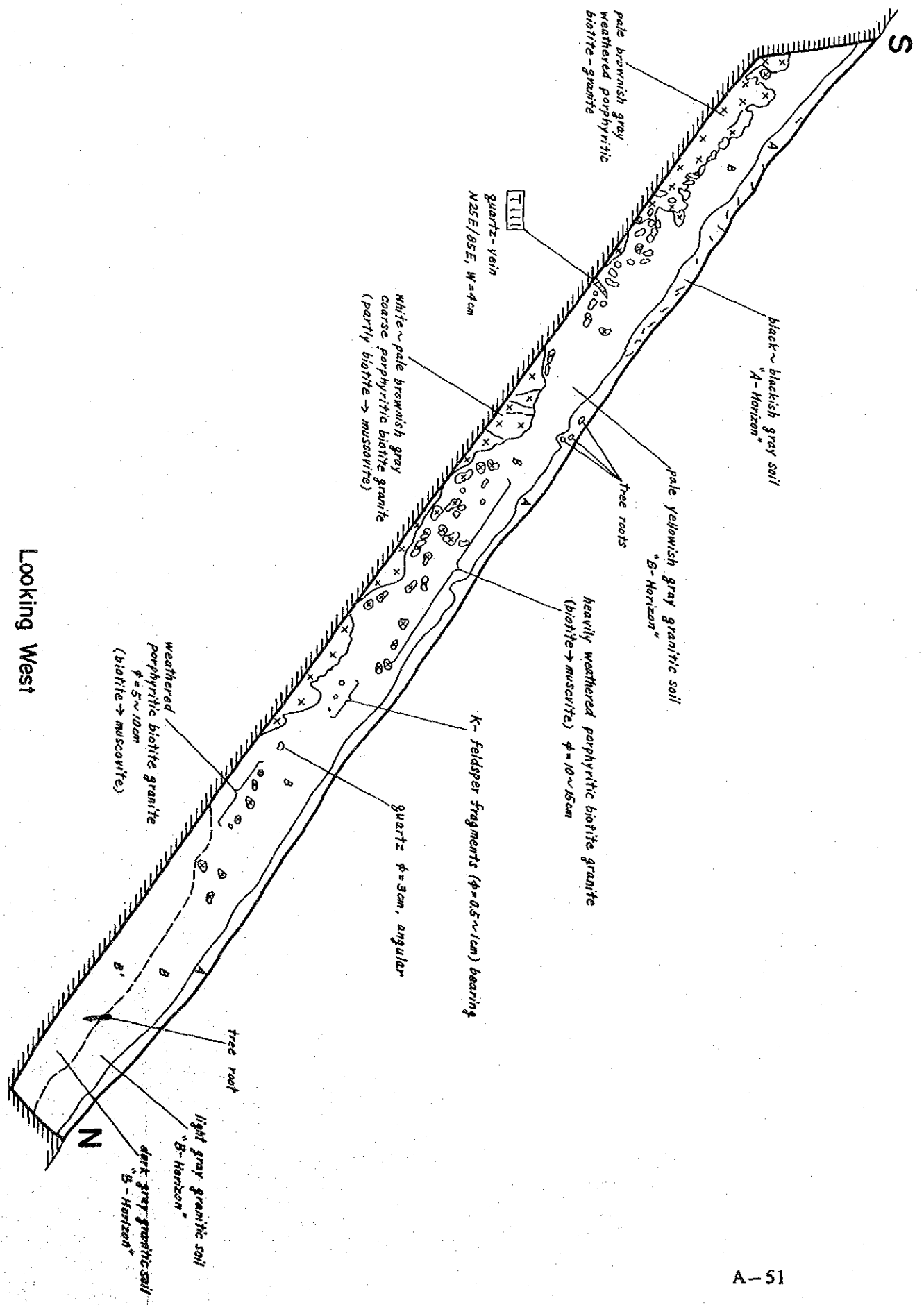
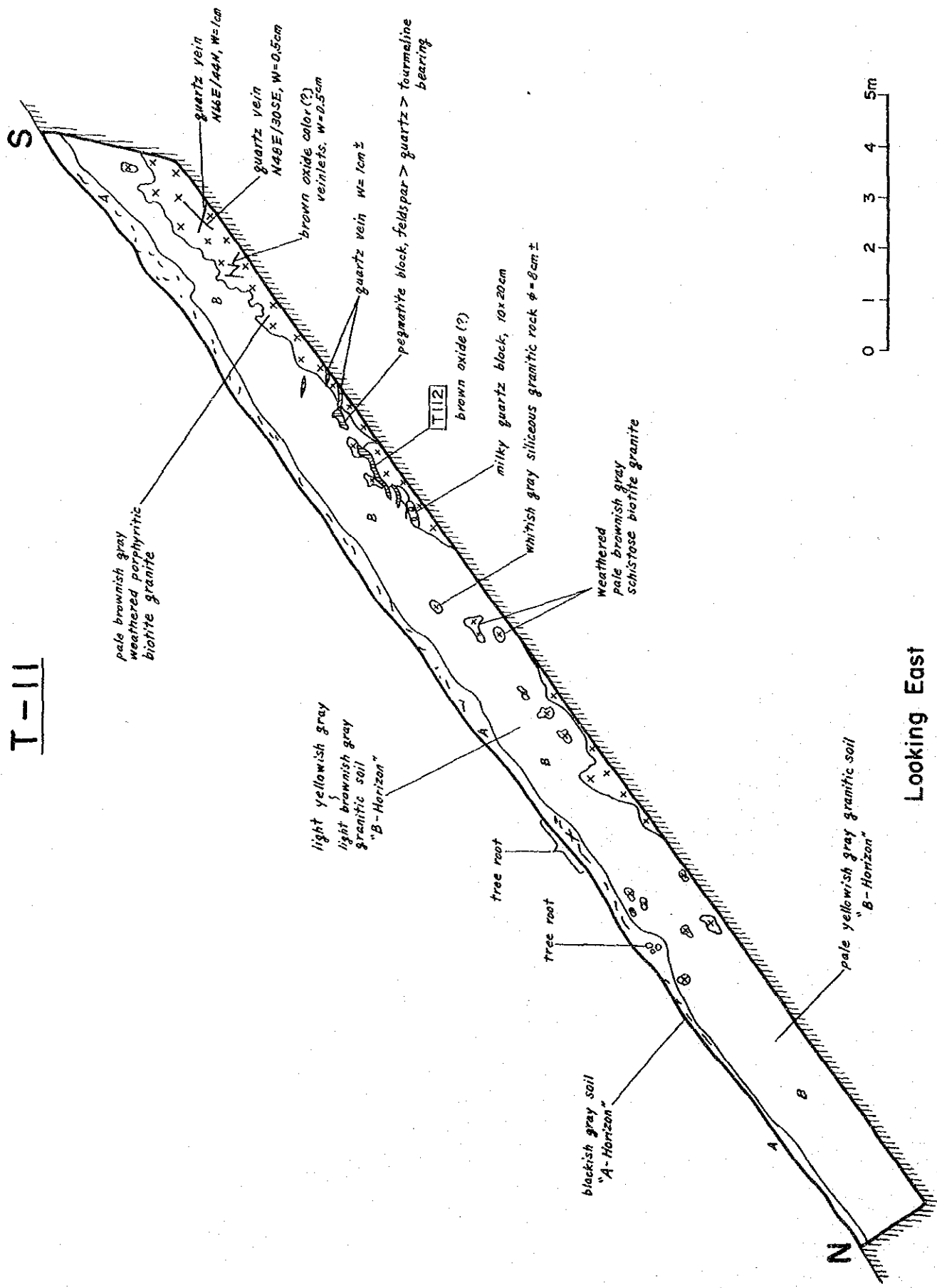
T-10



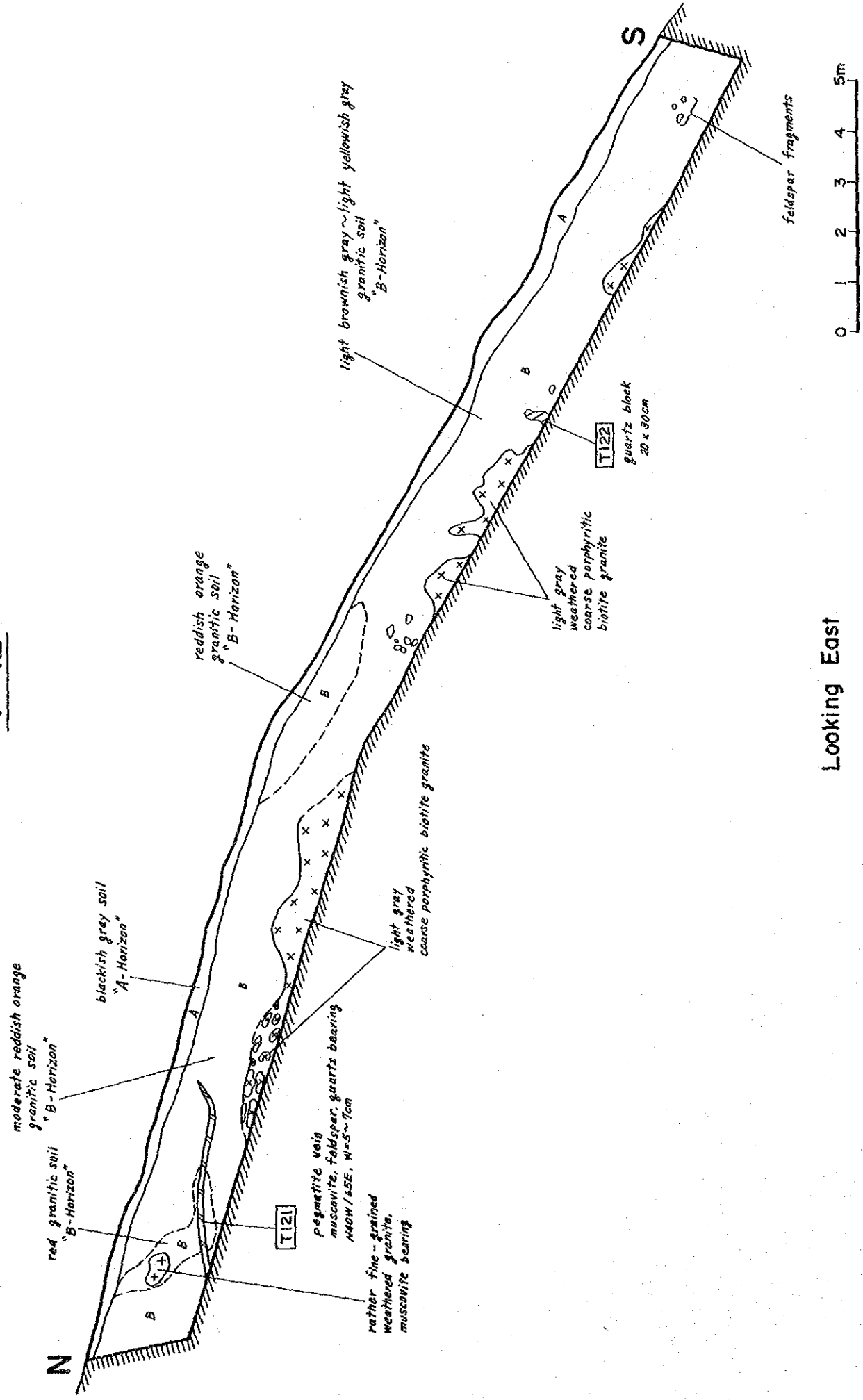
Looking East

Looking West



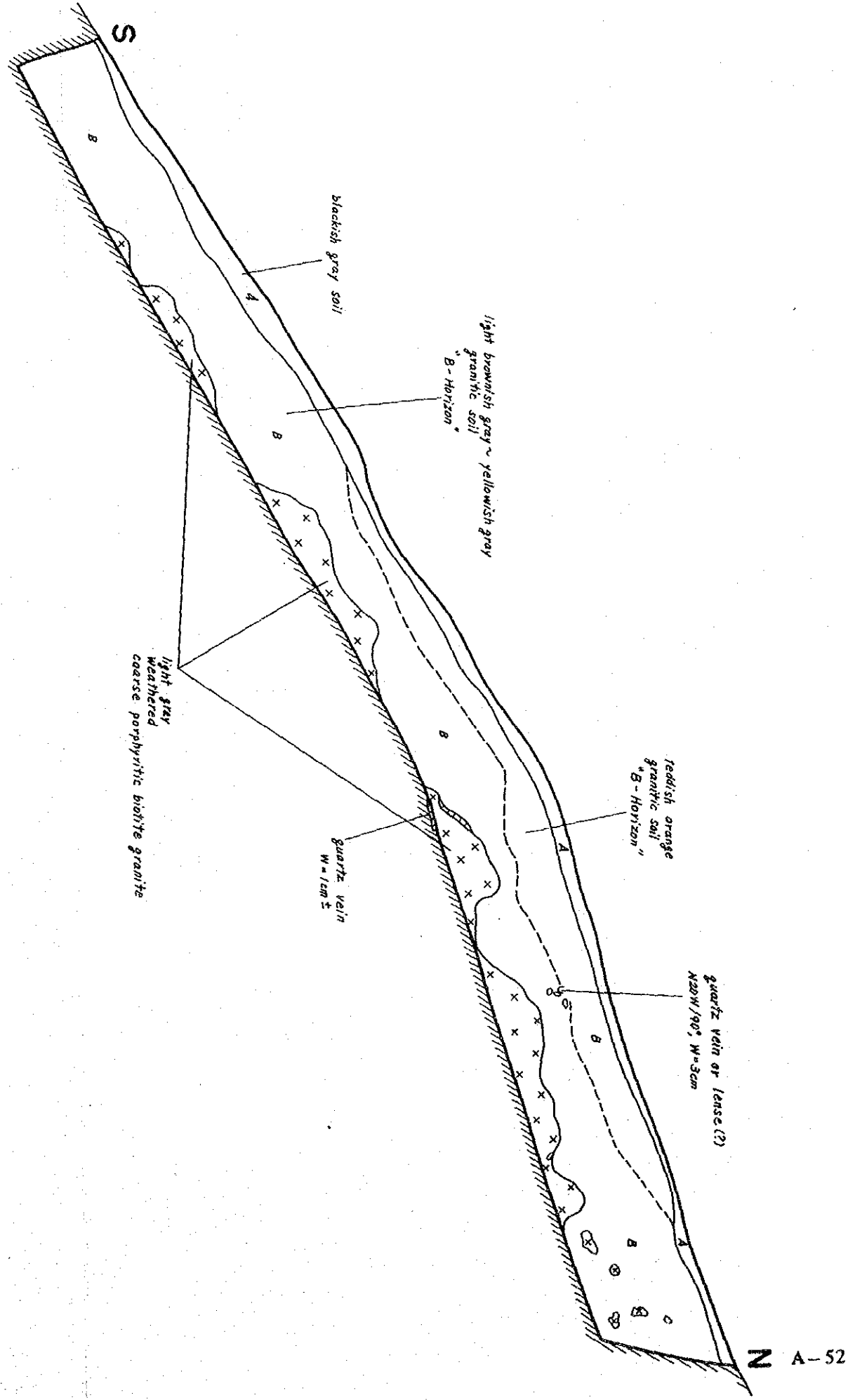


T-12

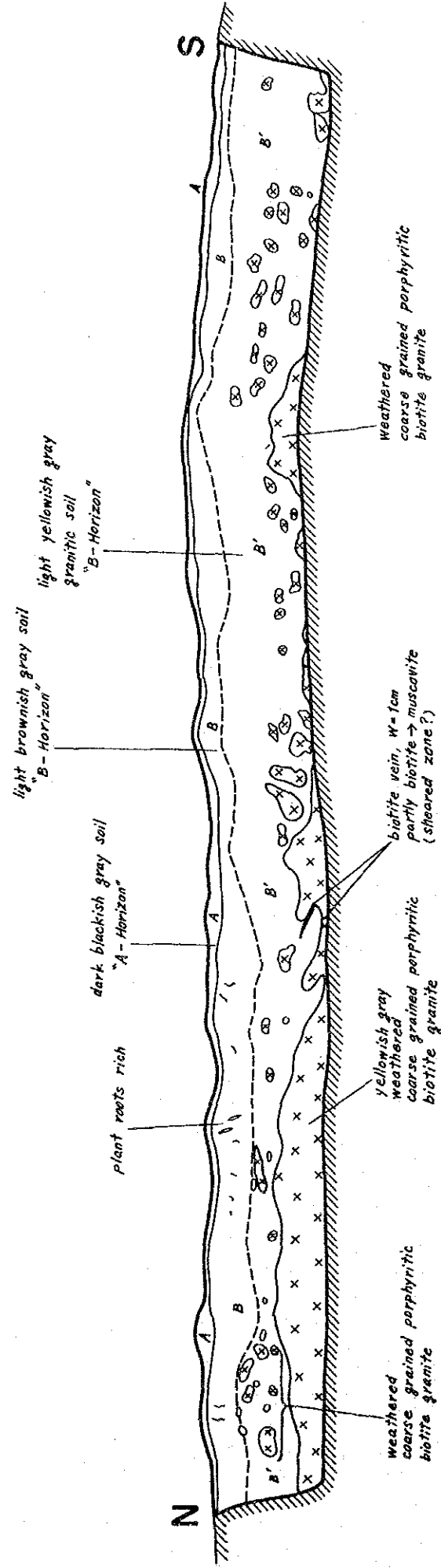


Looking East

Looking West

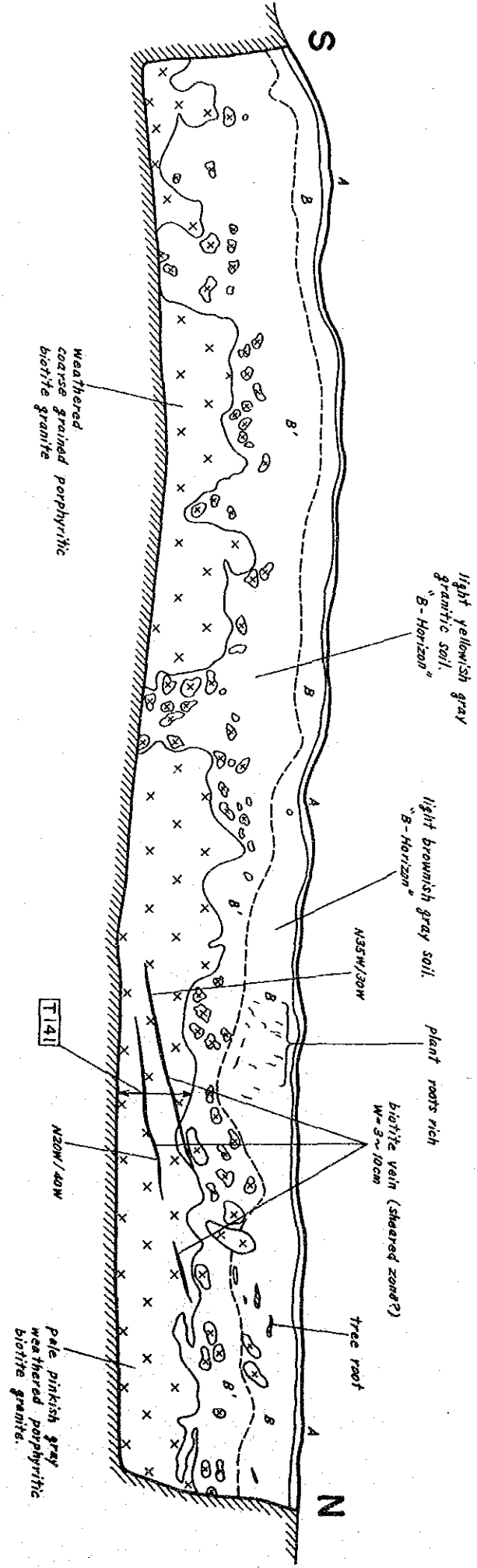


T-14

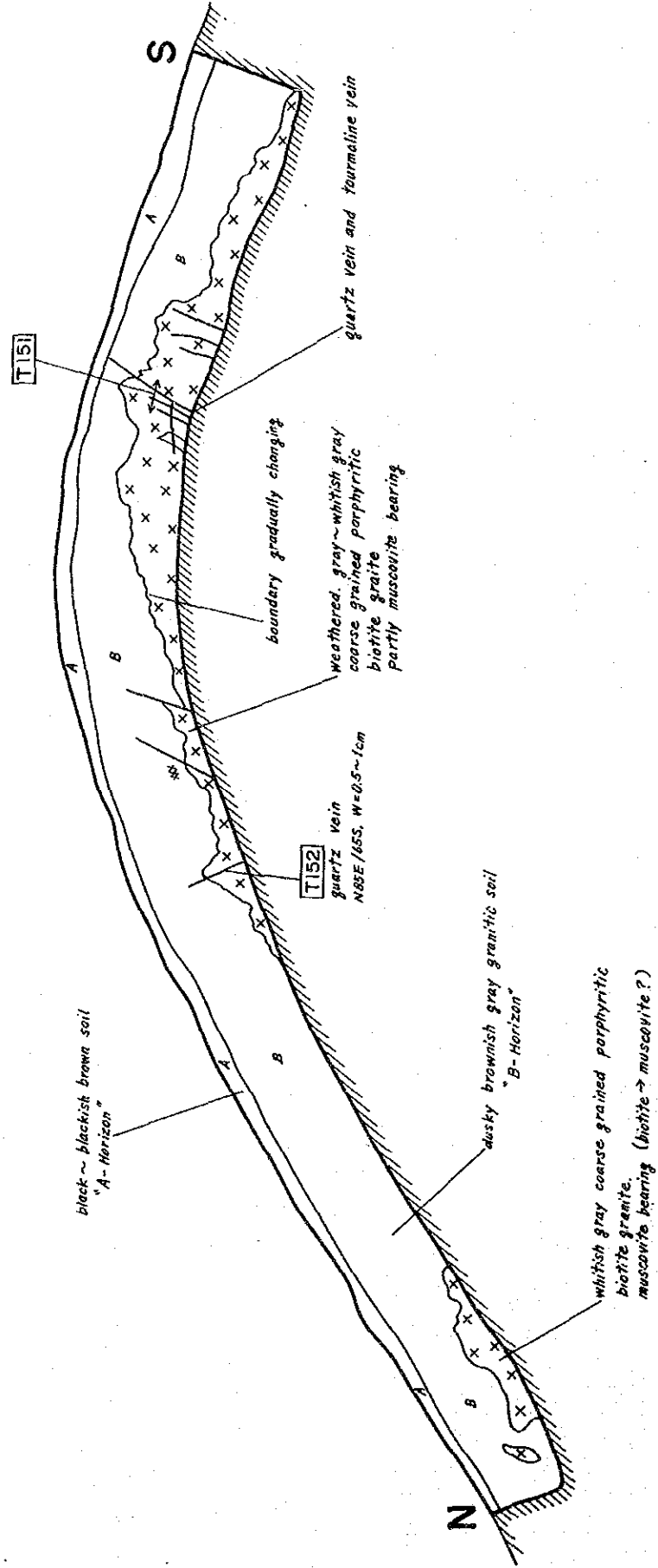


Looking East

Looking West

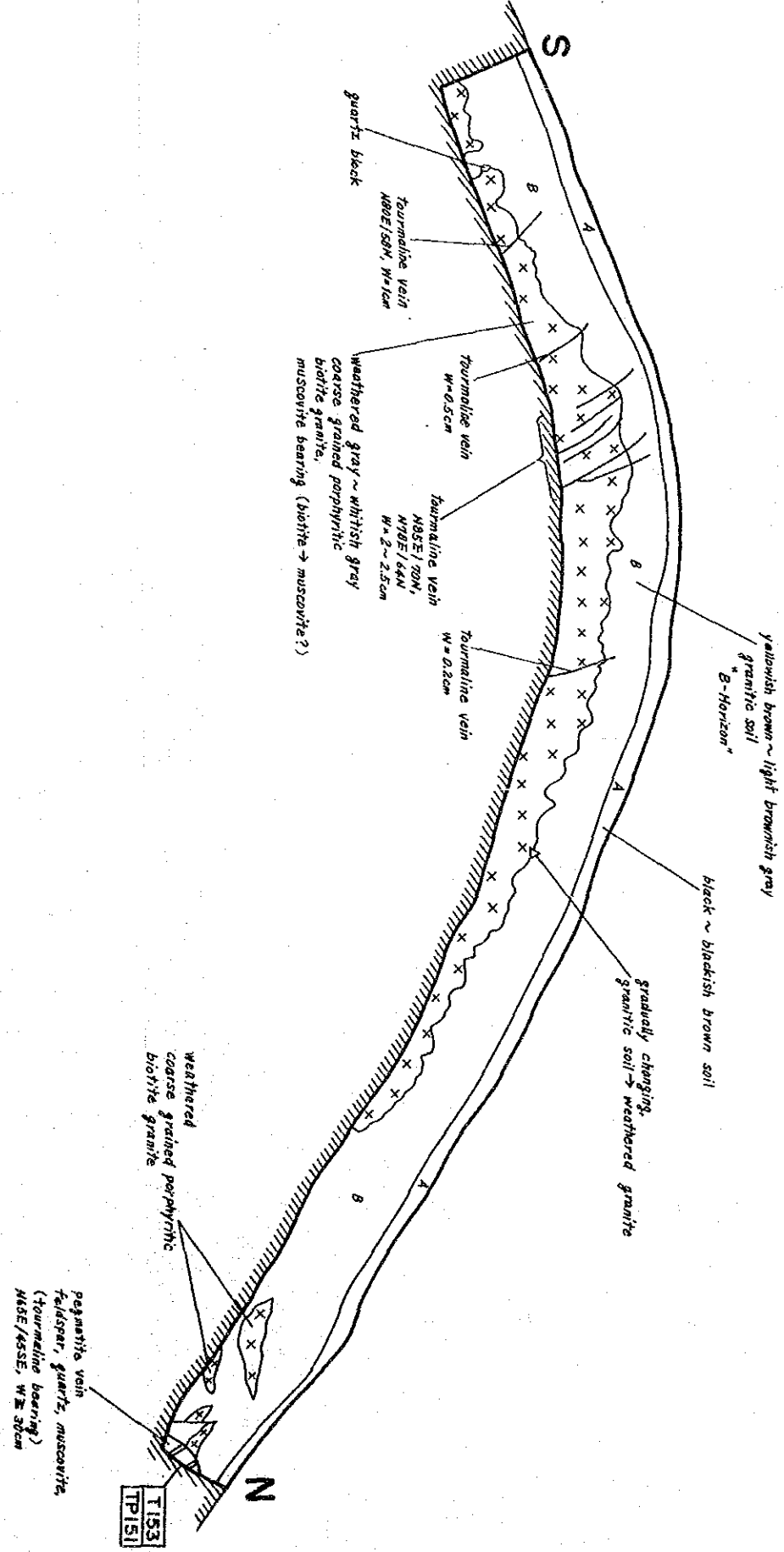


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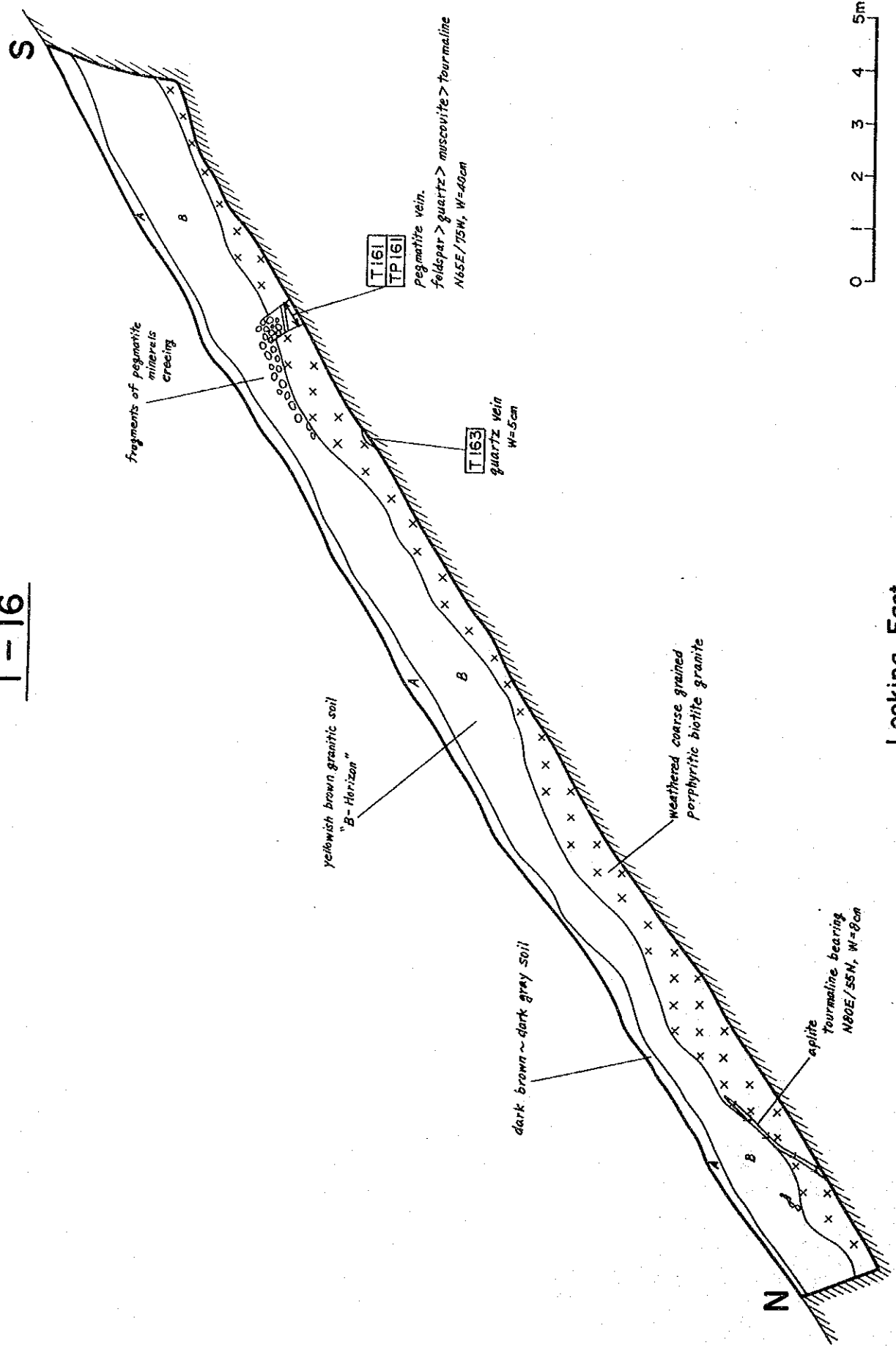


Looking East

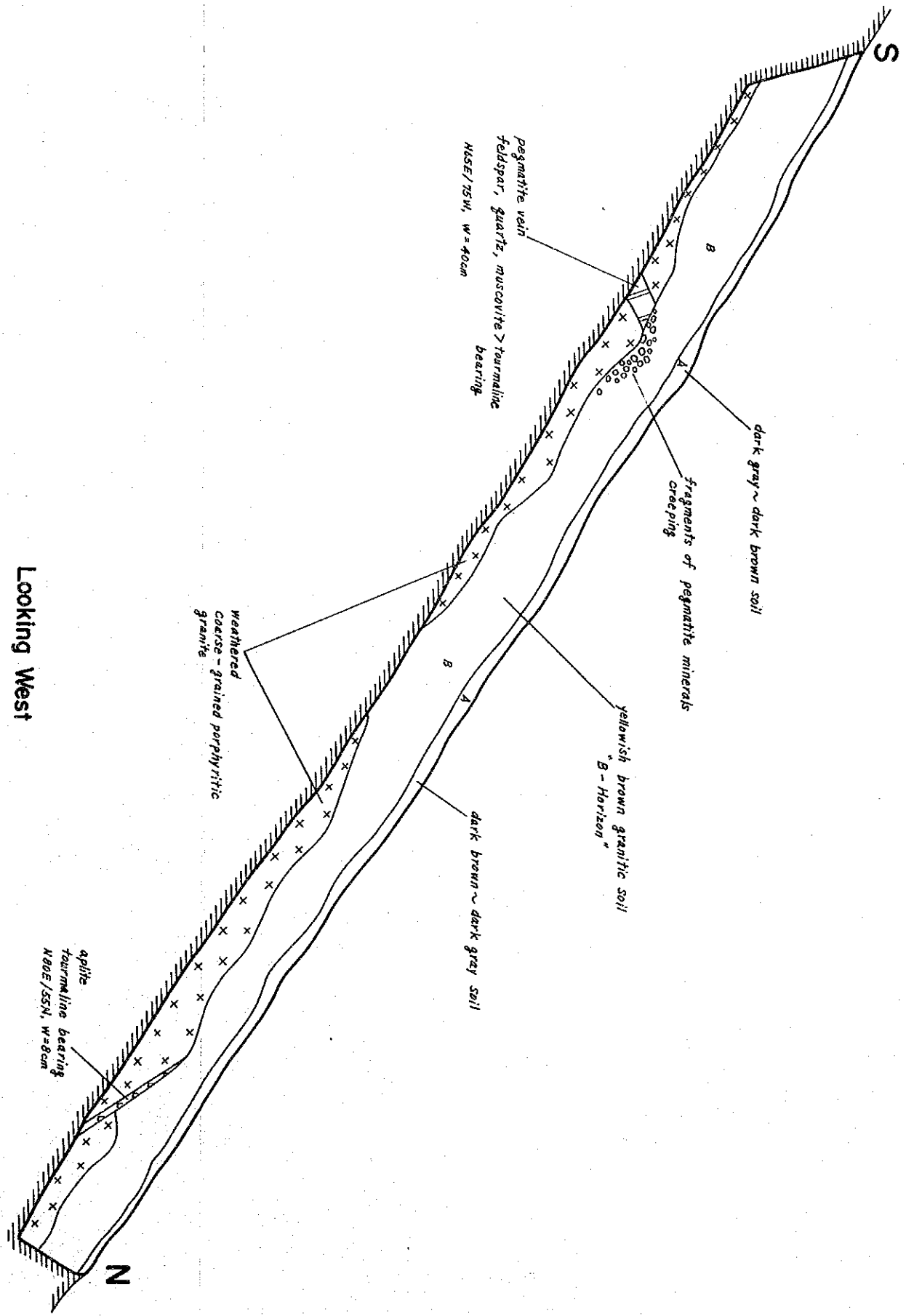
Looking West



T-16

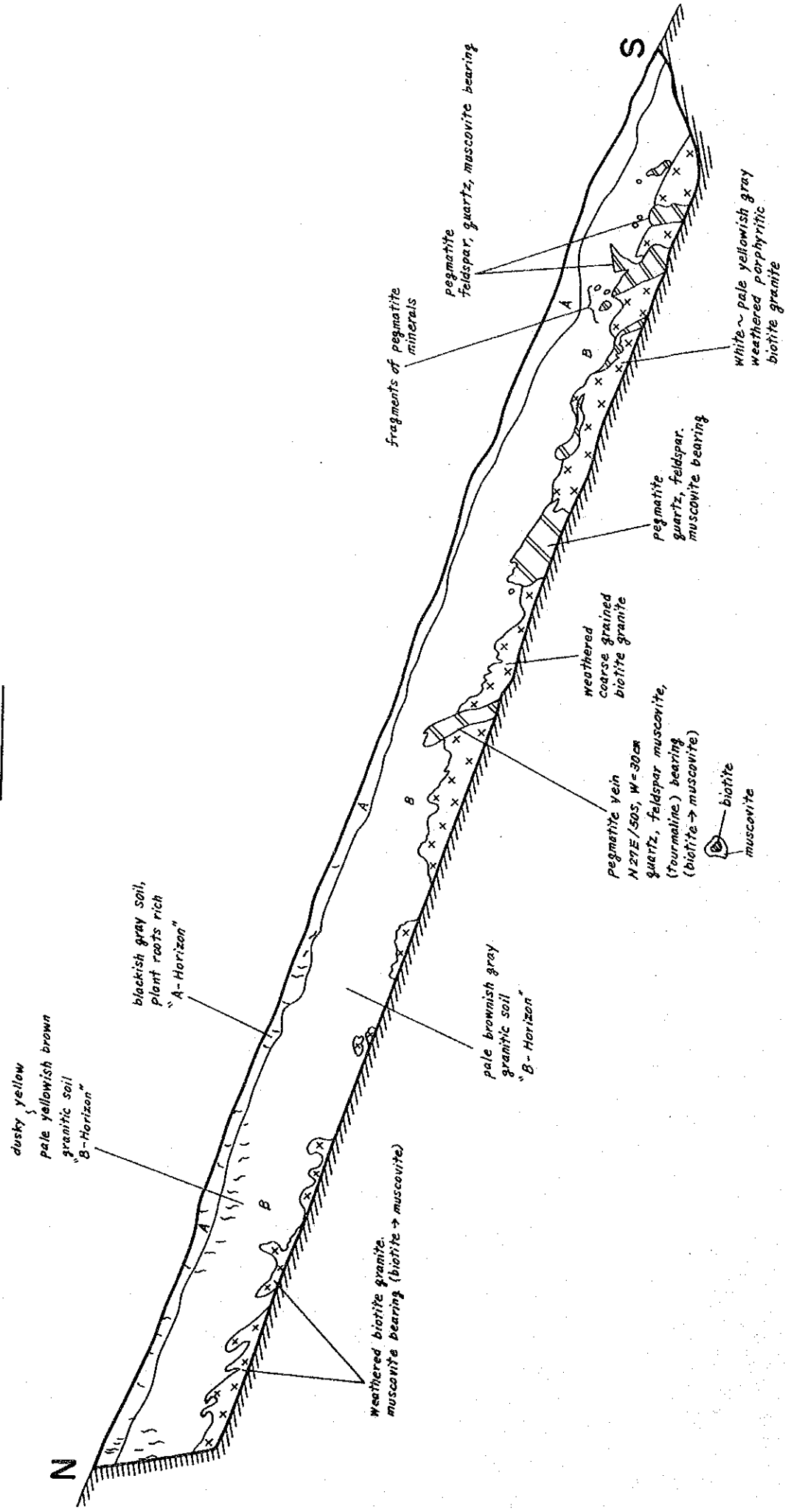


Looking East



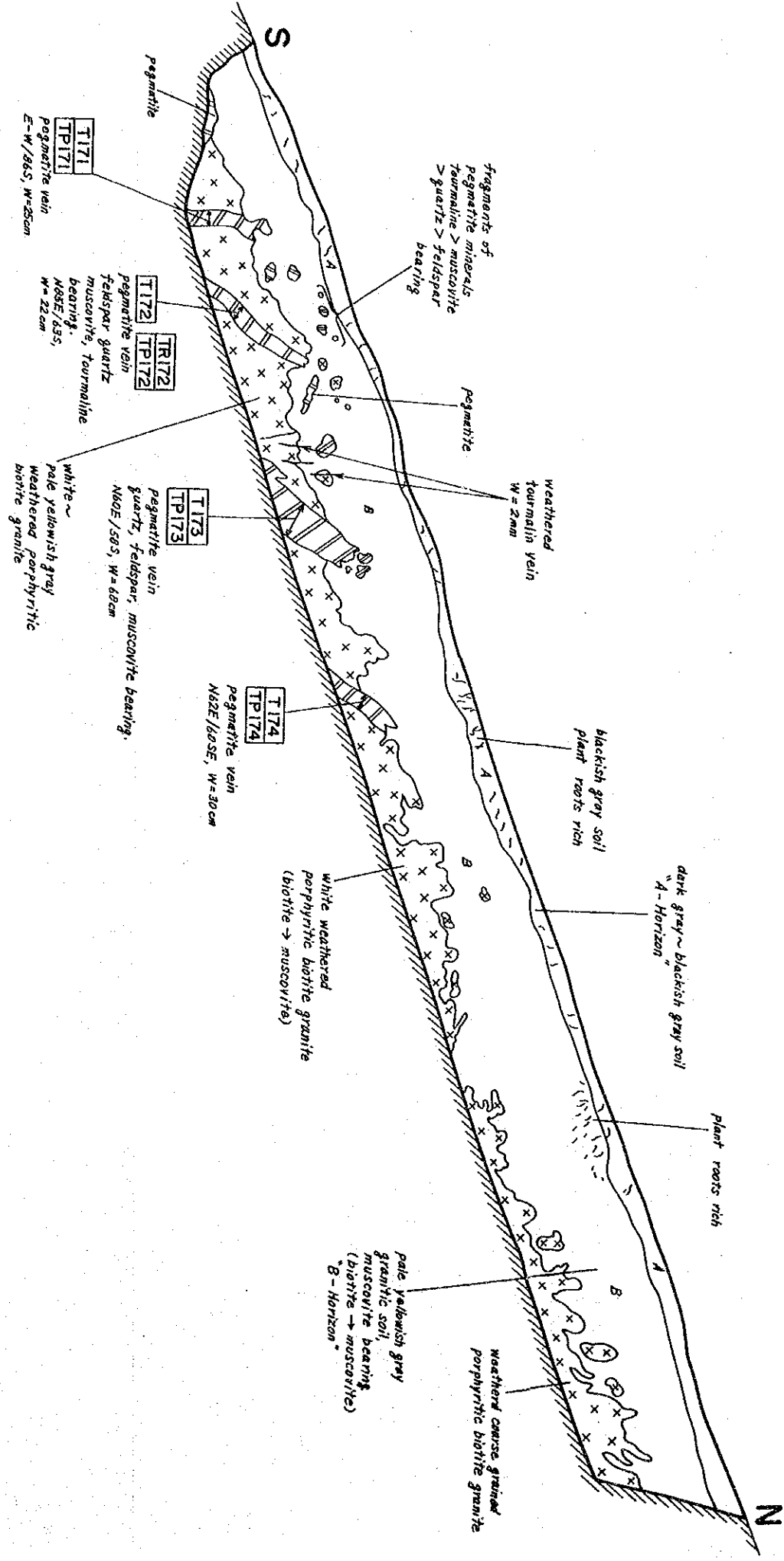
Looking West

T-17

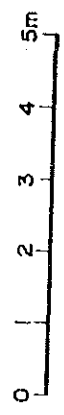
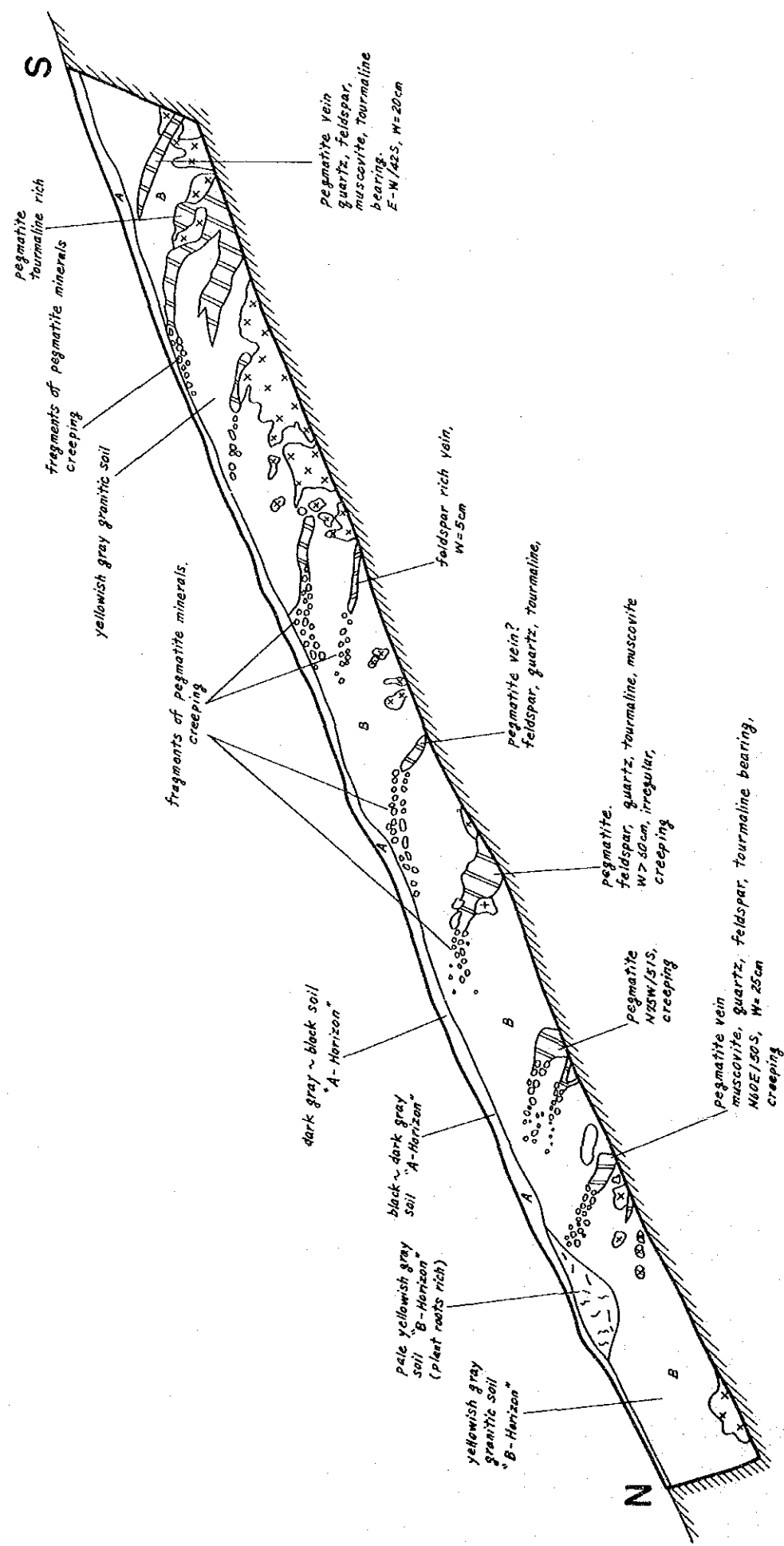


Looking East

Looking West

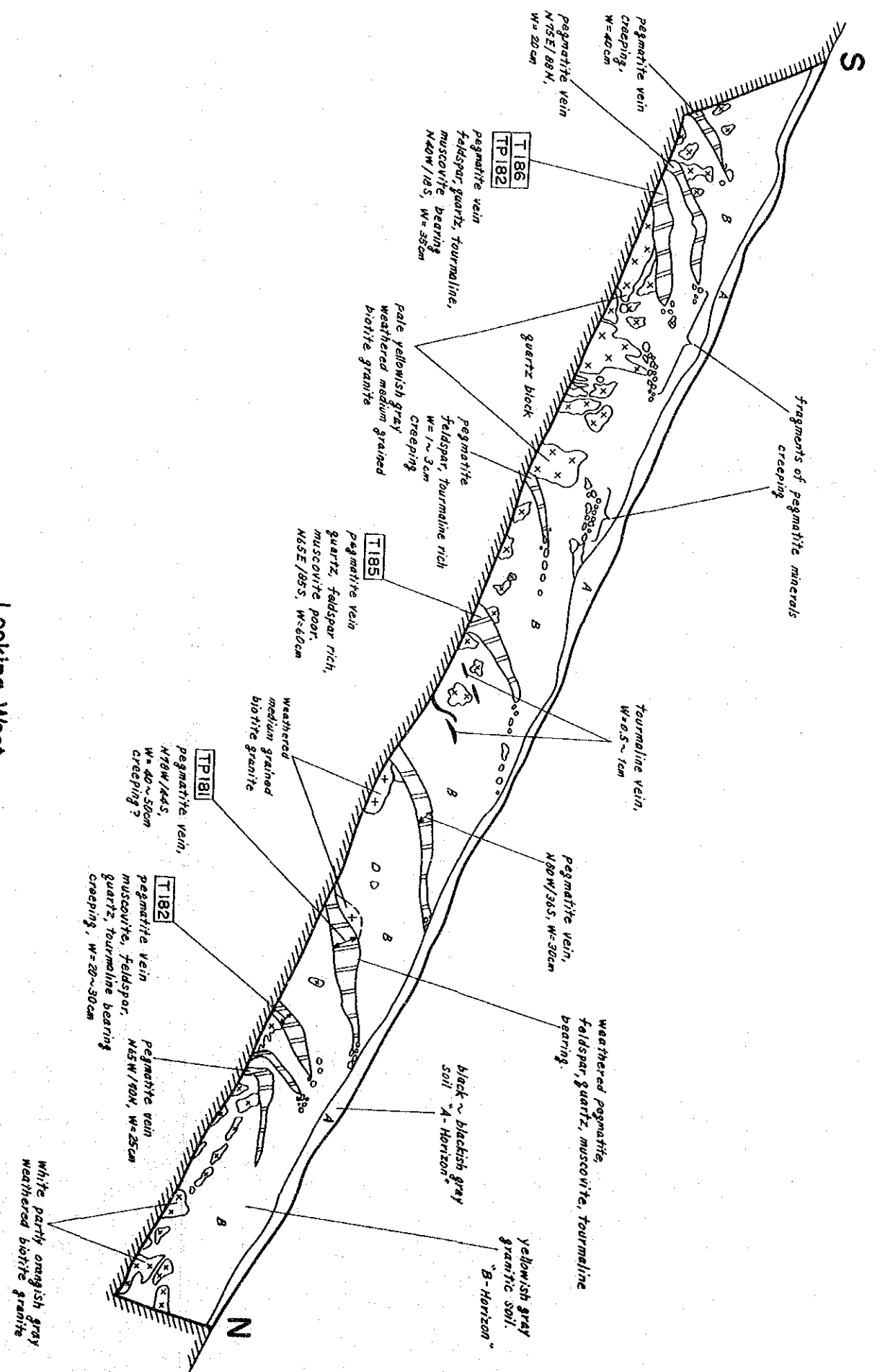


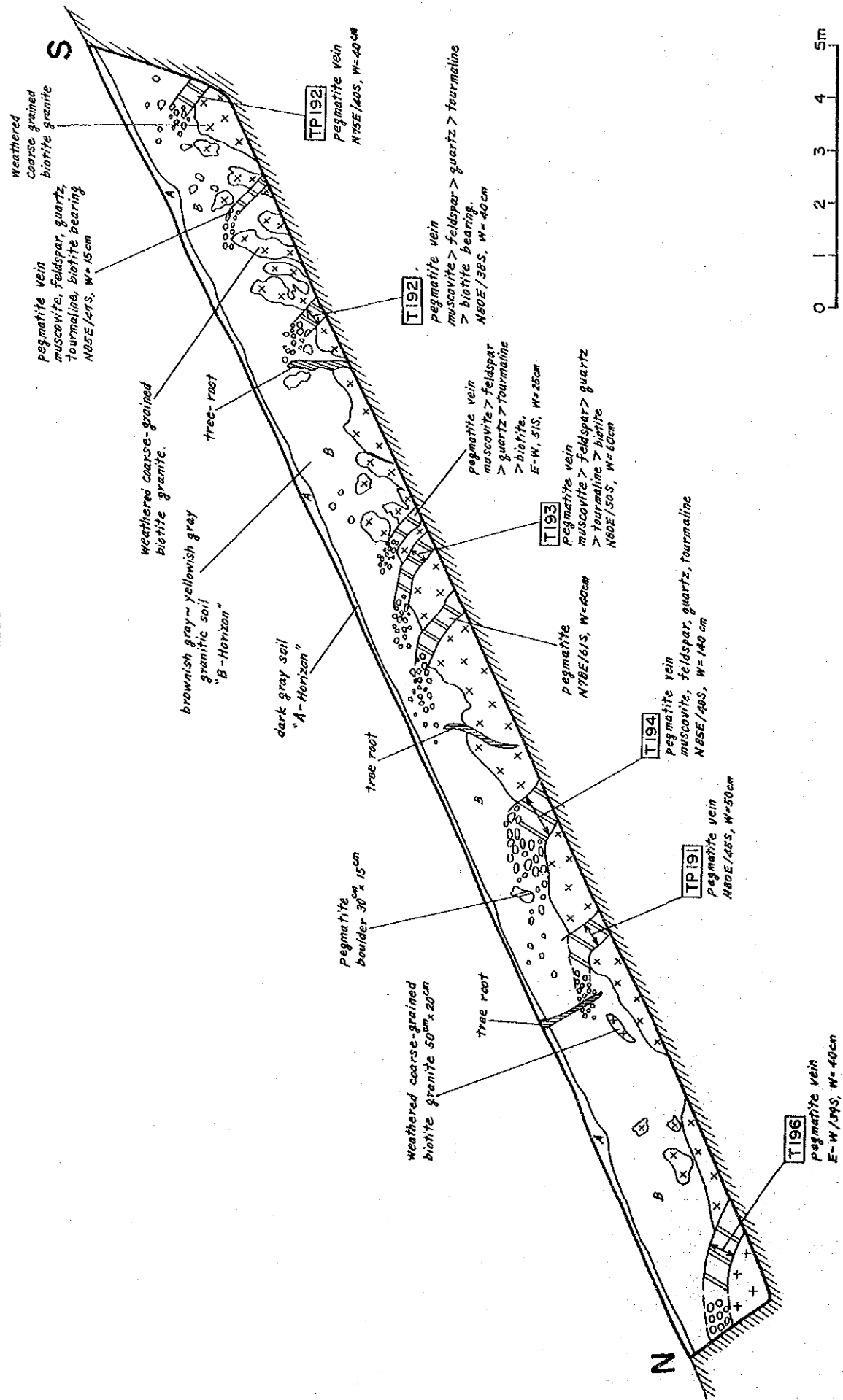
A-57



Looking East

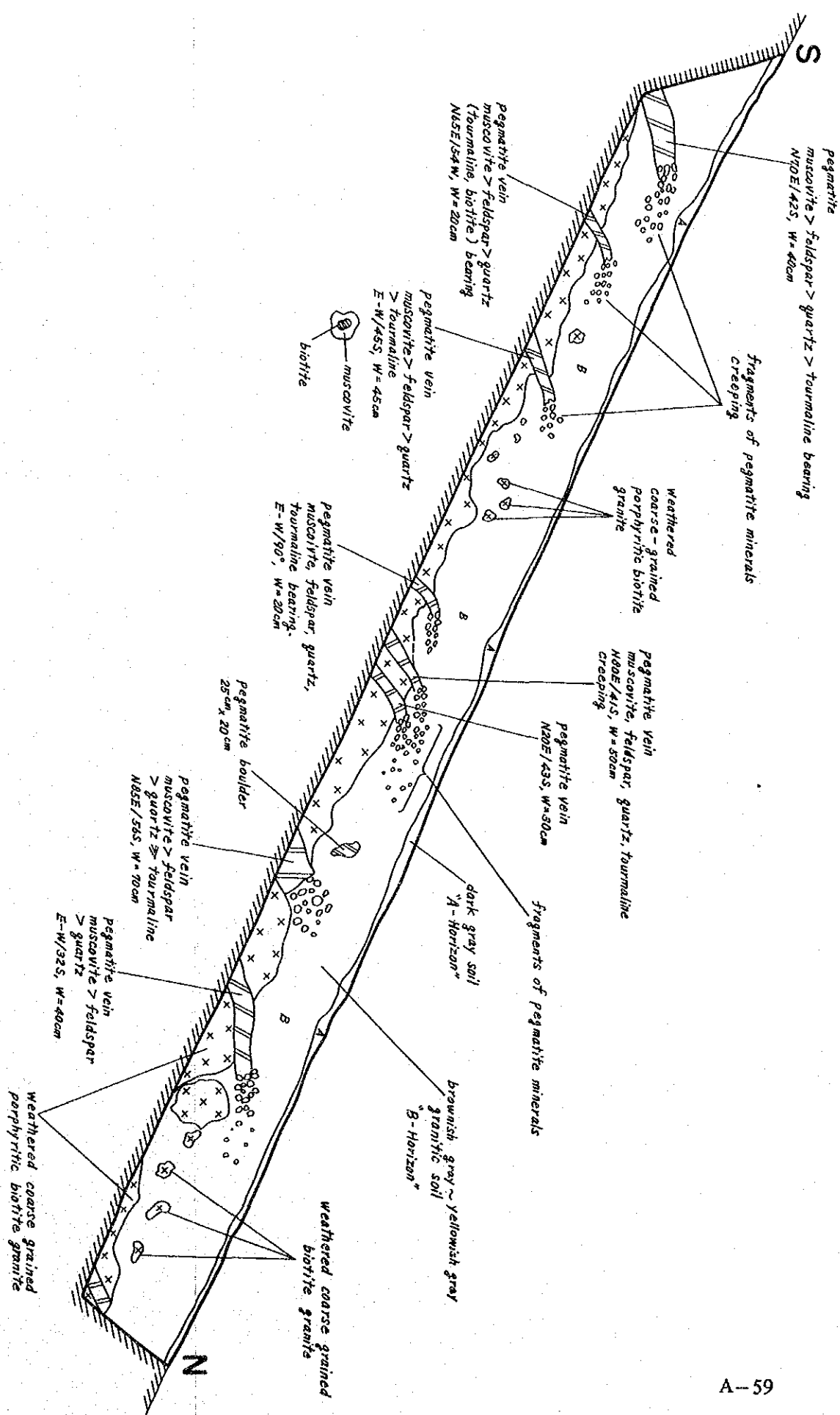
Looking West



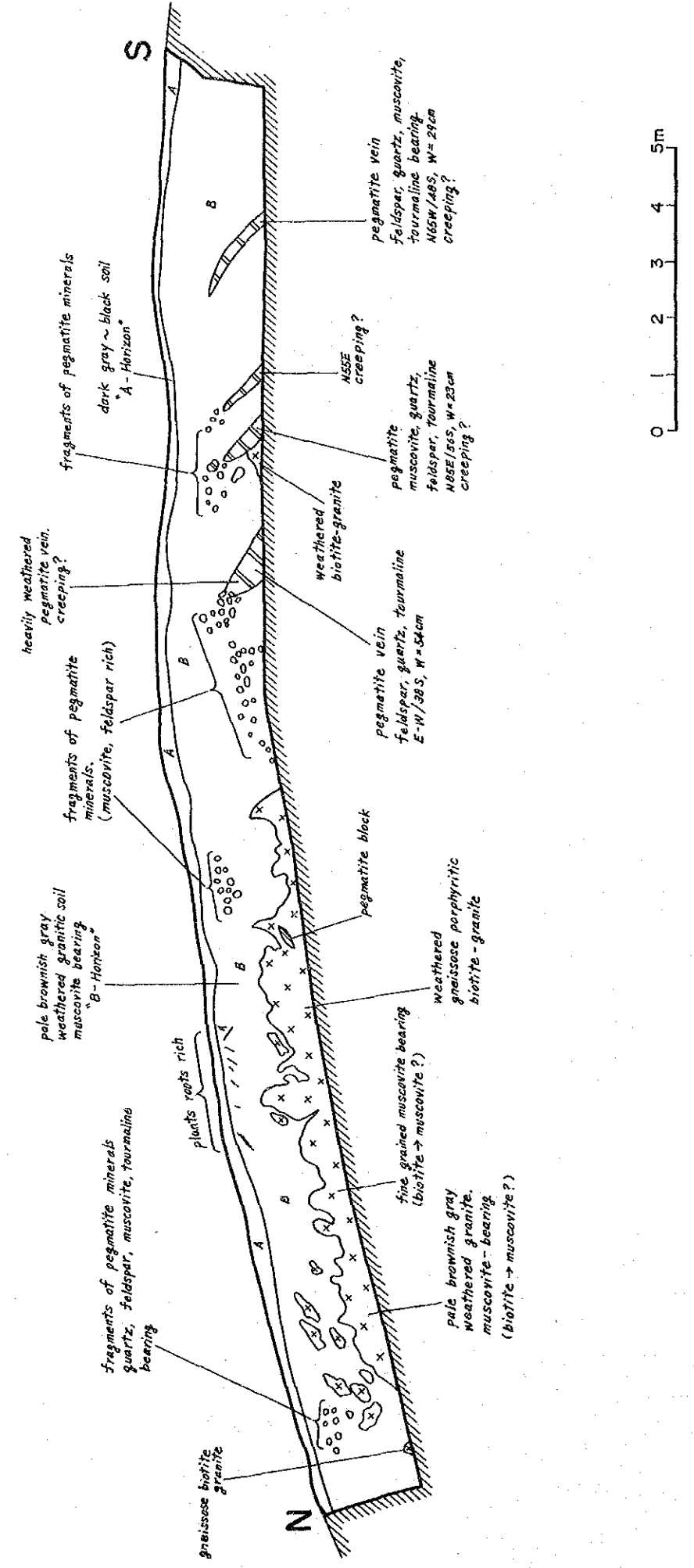


Looking East

Looking West

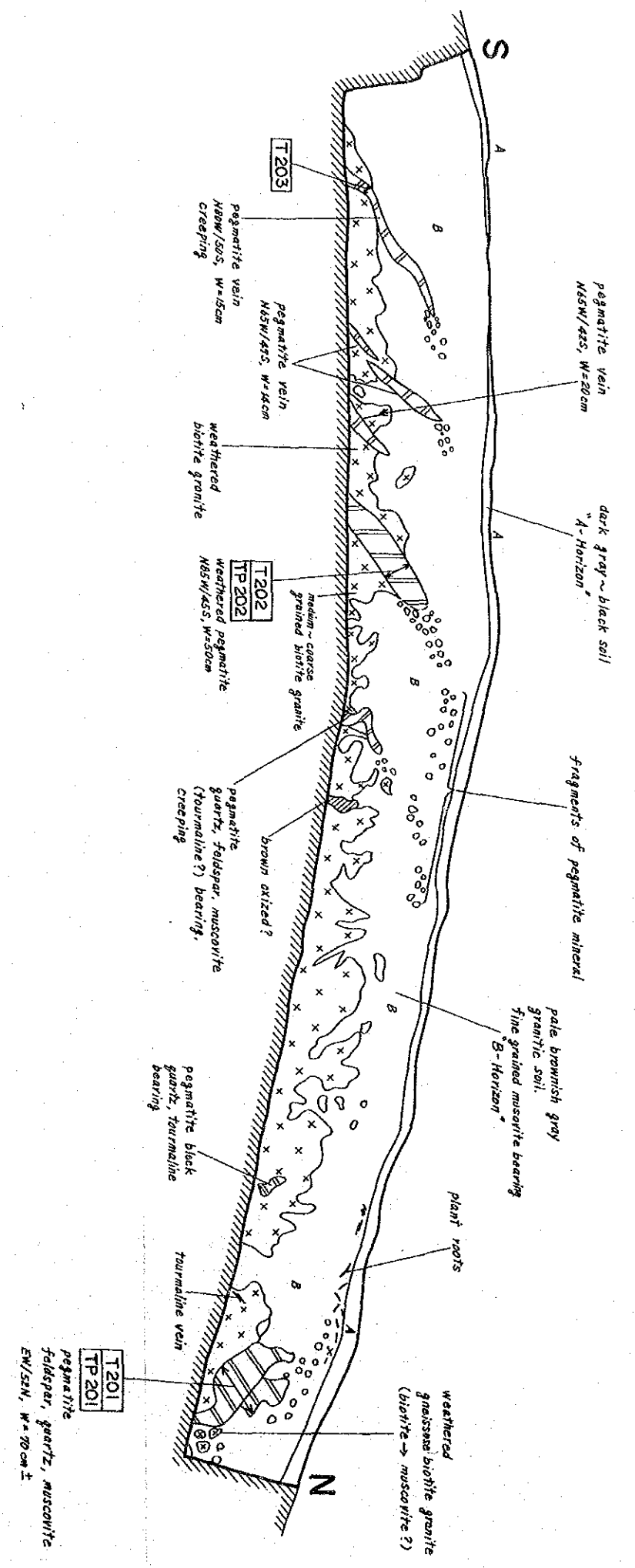


T-20



Looking East















Looking West






Appendix 9 Core Log

(Scale 1/200)

LEGEND

| | | | |
|---|---|---|-----------------------------|
|  | overburden |  | gossan |
|  | aplite |  | silicified rock |
|  | diabase |  | massive sulfide |
|  | granite |  | green skarn |
|  | sedimentary rocks (shale, sandstone, chert etc.) |  | skarnized sedimentary rocks |
|  | limestone |  | clayey sedimentary rocks |
|  | calc-silicate rock |  | quartz vein |

Abbreviations

| | | | |
|---|----------------|------|--------------|
|  | kaolinization | bi | : biotite |
|  | sericitization | mus | : muscovite |
|  | epidotization | Q | : quartz |
| | | tour | : tourmaline |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|----|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | |
| 5 | | Brown to reddish brown soil ~ granite sand | | | | | | | | | | | | | | | | | | | |
| 5.50 | | Sedimentary rock yellowish brown to brown color weathered, upper part clayey | | | | | | | | | | | | | | | | | | | |
| 10 | | Bedding clear: dip 80° manganese coating in fracture | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | |
| 21.10 | | Skarnized sedimentary rock greenish gray colored fresh rock | | | | | | | | | | | | | | | | | | | |
| 22.00 | | 24.50~26.00 ^m pyrrhotite rich | | | Zn | 1 | 0.90 | 0.015 | 0.003 | 1.22 | 0.016 | 0.069 | 0.014 | 5 | <10 | 0.0 | 14 | | | | |
| 23.50 | | | | | Zn | 2 | 1.50 | 0.015 | 0.010 | 2.42 | 0.031 | 0.064 | 0.022 | 7 | <10 | 0.0 | 20 | | | | |
| 24.50 | | | | | Zn | 3 | 1.00 | 0.28 | 0.012 | 3.17 | 0.045 | 0.035 | 0.027 | 5 | <10 | 0.0 | 8 | | | | |
| 25 | | | | | Zn | 4 | 1.50 | 0.29 | 0.002 | 1.75 | 0.024 | 0.035 | 0.049 | 6 | <10 | 0.0 | 3 | | | | |
| 26.00 | | | | | Zn | 5 | 2.00 | 0.12 | 0.002 | 0.61 | 0.007 | 0.033 | 0.008 | 7 | <10 | 0.0 | 9 | | | | |
| 28.00 | | pyrrhotite abundantly disseminated | | | Zn | 6 | 2.00 | 0.037 | 0.001 | 0.12 | — | 0.028 | 0.003 | 7 | <10 | 0.0 | 14 | | | | |
| 30 | | Gray to dark gray color | | | Zn | 7 | 2.00 | 0.12 | 0.001 | 0.19 | — | 0.050 | 0.008 | 8 | <10 | 0.5 | 29 | | | | |
| 32.00 | | | | | Zn | 8 | 2.30 | 0.15 | 0.003 | 1.06 | 0.015 | 0.088 | 0.047 | 18 | <10 | 0.5 | 5 | | | | |
| 34.30 | | Fine to medium grained tour - mus granite | | | K | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | |
| 36.10 | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | |
| 3.30 | ~ ~ ~ ~ | Brown soil | K | | | | | | | | | | | | | | | | | | |
| 5 | + + + + | Fine grained tour granite | | | | | | | | | | | | | | | | | | | |
| 10 | + + + + | white color, weathered | | | | | | | | | | | | | | | | | | | |
| 15 | + + + + | | | | | | | | | | | | | | | | | | | | |
| 20 | + + + + | | | | | | | | | | | | | | | | | | | | |
| 22.50 | + + + + | | | | | | | | | | | | | | | | | | | | |
| 25 | + + + + | Fine grained two mica granite | | | | | | | | | | | | | | | | | | | |
| 30.00 | + + + + | Medium to coarse grained in lower part | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 3.50 | ~ ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | + + + + | Fine grained tour-mus granite white color | K | | | | | | | | | | | | | | | | | |
| 10 | + + + + | Strong kaolinization | | | | | | | | | | | | | | | | | | |
| 15 | + + + + | | | | | | | | | | | | | | | | | | | |
| 20 | + + + + | | | | | | | | | | | | | | | | | | | |
| 25 | + + + + | | | | | | | | | | | | | | | | | | | |
| 30.00 | + + + + | | | | | | | | | | | | | | | | | | | |
| 30 | + + + + | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|-----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 0 | ~ ~ ~ ~ ~ | Brown to reddish brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Reddish brown to black color, weathered 5.40~5.60 ^m : gossan | | | | | | | | | | | | | | | | | | |
| 10 | + + + | Reddish brown to yellowish brown color weathered | | | | | | | | | | | | | | | | | | |
| 10.30 | + + + | Fine to medium grained tour-granite | | | | | | | | | | | | | | | | | | |
| 15 | + + + | White to gray color Kaolinization and sericitization | | | | | | | | | | | | | | | | | | |
| 20 | + + + | | K S | | | | | | | | | | | | | | | | | |
| 25 | + + + | | | | | | | | | | | | | | | | | | | |
| 30.00 | + + + | | | | | | | | | | | | | | | | | | | |
| 30 | + + + | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 3.20 | ~ | brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock yellowish brown color black colored manganese rich in places | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 15.90 | + | | | | | | | | | | | | | | | | | | | |
| 20 | + | Medium grained tour-mus granite white color | K S | | | | | | | | | | | | | | | | | |
| 24.00 | + | | | | | | | | | | | | | | | | | | | |
| 25 | + | Medium to coarse grained two mica granite Pale yellowish brown color Muscovite increasing | | | | | | | | | | | | | | | | | | |
| 30.00 | + | 24.06 ^m , 25.30 ^m , 29.56 ^m Q vein intruded W = 3~5 cm | | | | | | | | | | | | | | | | | | |
| 30 | + | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Aireration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | To ppm | Au g/t | Ag g/t | | | |
| | ~ ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | |
| 3.80 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock and gossan | | | | | | | | | | | | | | | | | |
| 5.60 | | Brown to dark brown color | | | | | | | | | | | | | | | | | |
| | + + + + | Medium grained | | | | | | | | | | | | | | | | | |
| | + + + + | two mica granite | | | | | | | | | | | | | | | | | |
| | + + + + | yellowish brown color | | | | | | | | | | | | | | | | | |
| 10 | + + + + | weathered | | | | | | | | | | | | | | | | | |
| | + + + + | Reddish brown color | | | | | | | | | | | | | | | | | |
| | + + + + | 12.20~12.80 ^m : Vertical @ vein | | | | | | | | | | | | | | | | | |
| | + + + + | yellowish brown color | | | | | | | | | | | | | | | | | |
| 15 | + + + + | strongly weathered | | | | | | | | | | | | | | | | | |
| | + + + + | white to gray color | | | | | | | | | | | | | | | | | |
| | + + + + | | | | | | | | | | | | | | | | | | |
| | + + + + | | | | | | | | | | | | | | | | | | |
| 20 | + + + + | | | | | | | | | | | | | | | | | | |
| | + + + + | | | | | | | | | | | | | | | | | | |
| | + + + + | | | | | | | | | | | | | | | | | | |
| 25 | + + + + | | | | | | | | | | | | | | | | | | |
| | + + + + | | | | | | | | | | | | | | | | | | |
| | + + + + | | | | | | | | | | | | | | | | | | |
| | + + + + | | | | | | | | | | | | | | | | | | |
| 30.00 | + + + + | 28.60~29.20 ^m : Silicified zone | | | | | | | | | | | | | | | | | |
| 30 | + + + + | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 1.40 | ~ ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Brown color clayey Partly gossan | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 15 | | Gossan | | | | | | | | | | | | | | | | | | |
| 16.40 | | Dark brown color, porous | Cu | | 1 | 1.40 | 0.31 | 0.003 | 0.046 | — | 0.092 | 0.059 | 13 | <10 | 6.0 | 49 | | | | |
| 17.10 | | | | | 2 | 0.70 | 0.20 | 0.003 | 0.035 | — | 0.009 | 0.008 | 45 | 22 | 0.0 | 20 | | | | |
| 19.70 | + + | Fine grained granite Brown color, weathered | | | | | | | | | | | | | | | | | | |
| 20 | + + | 19.00~19.70m: Silicified zone | | | | | | | | | | | | | | | | | | |
| 20 | + + | Decomposed soil in upper | | | | | | | | | | | | | | | | | | |
| 25 | + + | Medium to coarse grained tour-mus granite | | | | | | | | | | | | | | | | | | |
| 25 | + + | Strong kaolinization | K | | | | | | | | | | | | | | | | | |
| 30.00 | + + | Fine grained mus granite | | | | | | | | | | | | | | | | | | |
| 30 | + + | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | |
|-------------|---|---|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | To ppm | Au g/t | Ag g/t | | |
| 2.00 | ~ ~ ~ | Purplish brown soil | | | | | | | | | | | | | | | | |
| 5 | + + + + + + + + + | Fine to medium grained tour granite Pale orange to yellow color weathered Decomposed soil to bottom | | | | | | | | | | | | | | | | |
| 10 | + + + + + + + + + + + | Medium grained two mica granite 8.40~8.50 ^m : Q vein W=1cm | | | | | | | | | | | | | | | | |
| 15 | + + + + + + + + + + + | | | | | | | | | | | | | | | | | |
| 20 | + + + + + + + + + + + | Muscovite increases; biotite decreases | | | | | | | | | | | | | | | | |
| 25 | + + + + + + + + + + + | | | | | | | | | | | | | | | | | |
| 30.00 30 | + + | 27.20 ^m : Q vein W=5cm | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | To ppm | Au g/t | Ag g/t | | | | | |
| | ~ | Black soil | | | | | | | | | | | | | | | | | | | |
| | ~ | Orange to yellow soil | | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Reddish brown to yellowish brown color | | | | | | | | | | | | | | | | | | | |
| 10 | | schistosity clear 9.00~10.00': manganese rich | | | | | | | | | | | | | | | | | | | |
| 13.00 | | | | | | | | | | | | | | | | | | | | | |
| 15 | ++++ | Medium grained two mica granite Homogeneous rock | | | | | | | | | | | | | | | | | | | |
| 20 | ++++ | | | | | | | | | | | | | | | | | | | | |
| 25 | ++++ | | | | | | | | | | | | | | | | | | | | |
| 30 | ++++ | | | | | | | | | | | | | | | | | | | | |
| 32.00 | ++++ | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | | | | |
| 2.40 | | Dark brown soil gossan float | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Orange to yellow color clear bedding | | | | | | | | | | | | | | | | | | | | | | |
| 14.30 | | Skarnized sedimentary rock gray to greenish gray color 19.60~25.50 ^m Epidote rich Pyrite abundantly disseminated chalcopyrite spotted | E | Py Cu | 1 | 2.70 | 0.45 | 0.004 | 0.097 | — | 0.16 | 0.032 | 16 | <10 | 0.0 | 29 | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 17.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22.50 | | | | | 2 | 3.00 | 0.48 | 0.002 | 0.067 | — | 0.060 | 0.031 | 18 | <10 | 0.0 | 19 | | | | | | | | |
| 25 | | | | | 3 | 2.50 | 0.22 | 0.003 | 0.078 | — | 0.087 | 0.014 | 31 | <10 | 0.0 | 10 | | | | | | | | |
| 25.30 | | | | | 4 | 3.00 | 0.90 | 0.002 | 0.089 | — | 0.097 | 0.006 | 18 | 16 | 0.0 | 19 | | | | | | | | |
| 29.20 | | Fine grained tour-mus granite | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Q | Quartz vein | | Py | 5 | 0.80 | 0.52 | 0.022 | 0.044 | — | 0.002 | 0.001 | 2 | <10 | 0.0 | 22 | | | | | | | | |
| 31.10 | Q | Pyrite, chalcopyrite spotted | | Cu | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-------------|----------|---|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 3.00 | ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Reddish brown color clayey | | | | | | | | | | | | | | | | | |
| 7.00 | + + + | Reddish brown color, weathered | | | | | | | | | | | | | | | | | |
| 10 | + + + | Medium grained two mica granite white color | | | | | | | | | | | | | | | | | |
| 15 | + + + | Strong kaolinization | | | | | | | | | | | | | | | | | |
| 20 | + + + | | K | | | | | | | | | | | | | | | | |
| 25 | + + + | | | | | | | | | | | | | | | | | | |
| 30.00 30 | + + + | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|------|-------|------|------|-----|--------|--------|--------|--------|-----|----|--|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | | | | |
| 2.50 | | Brown soil | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Brownish orange, partly black color, clayey Bedding clear | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | Weathered granite, white color | | | | | | | | | | | | | | | | | | | | | | |
| 10.65 | | Gossan Dark brown color, porous | | Cu | | | 1 | 0.85 | 0.36 | 0.14 | 0.23 | — | 0.070 | 0.051 | 8 | <10 | 0.0 | 5 | | | | | | |
| 11.50 | | | | | | | 2 | 1.30 | 0.24 | 0.24 | 0.30 | — | 0.13 | 0.052 | 9 | <10 | 0.0 | 2 | | | | | | |
| 12.80 | | | | | | | 3 | 2.20 | 0.30 | 0.23 | 0.22 | — | 0.052 | 0.073 | 6 | <10 | 0.0 | 26 | | | | | | |
| 15 | | | | | | | 4 | 1.90 | 0.081 | 0.16 | 0.17 | — | 0.058 | 0.006 | 5 | <10 | 0.0 | 30 | | | | | | |
| 16.90 | | Weathered granite Brownish orange color 17.60~17.90 ^m gossan | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | Medium grained two mica granite white, partly orange color | | | | | | | | | | | | | | | | | | | | | | |
| 20.20 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | Strong kaolinization | K | | | | | | | | | | | | | | | | | | | | | |
| 30.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | |
|--------------|--|---|-----------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | To ppm | Au g/t | Ag g/t |
| 2.20 | ~ ~ ~ ~ ~ ~ | Brown soil | | | | | | | | | | | | | | |
| 5 | ----- ----- ----- ----- | Sedimentary rock partly gossan Reddish brown color | | | | | | | | | | | | | | |
| 10 | | Gossan Dark brown color porous chalcopyrite azurite spotted | | Cu | 1 | 4.30 | 0.44 | 0.019 | 0.22 | --- | 0.017 | 0.080 | 12 | <10 | 0.7 4 | |
| 15 | + | Fine to medium grained weathered granite | | | | | | | | | | | | | | |
| 25 | + + + + + + + + + | Kaolinization in low part | | K | | | | | | | | | | | | |
| 26.00 | ∇ ∇ ∇ | Chilled margin, white color | | | | | | | | | | | | | | |
| 30 | ∇ ∇ ∇ ∇ ∇ ∇ ∇ ∇ ∇ | greenish gray color Diabase | | | | | | | | | | | | | | |
| 31.20 | □ □ □ | green skarn, Cu Zn disseminated | | Zn | 2 | 0.80 | 0.25 | 0.002 | 0.11 | --- | 0.019 | 0.038 | 6 | <10 | 0.6 2 | |
| 32.00 | ○ ○ ○ | | Zn | 3 | 1.40 | 0.28 | 0.001 | 0.61 | 0.011 | 0.048 | 0.021 | 12 | <10 | 0.2 4 | | |
| 33.40 | ○ ○ ○ | | Cu | 4 | 1.70 | 0.27 | 0.003 | 0.041 | --- | 0.032 | 0.043 | 6 | <10 | 0.2 5 | | |
| 35.10 | ▨ ▨ ▨ | | Massive sulfide | | | | | | | | | | | | | |
| 35.60 | ▨ ▨ ▨ | | Dark gray color | | | | | | | | | | | | | |
| 36.80 | ▨ ▨ ▨ | | | | 5 | 0.80 | 0.19 | 0.002 | 0.15 | --- | 0.018 | 0.035 | 6 | <10 | 0.0 2 | |
| 36.80 | ▨ ▨ ▨ | | | | 6 | 0.60 | 0.15 | 0.002 | 0.19 | --- | 0.035 | 0.028 | 5 | <10 | 0.0 3 | |
| 37.40 | ▨ ▨ ▨ | | | | 7 | 0.60 | 0.34 | 0.001 | 0.029 | --- | 0.021 | 0.022 | 8 | <10 | 0.0 3 | |
| 37.70 | ▨ ▨ ▨ | | | | 8 | 0.30 | 0.25 | 0.002 | 0.041 | --- | 0.021 | 0.028 | 8 | <10 | 0.0 4 | |
| 40 | + + + + + + + + + + + + | Fine grained weathered granite Epidote along fracture | | | | | | | | | | | | | | |
| 42.50 | + + + | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-------------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 2.70 | | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Reddish brown color, Highly weathered, clayey | | | | | | | | | | | | | | | | | | |
| 10 | | Sedimentary rock Brown color Bedding clear | | | | | | | | | | | | | | | | | | |
| 15 | | Highly weathered, clayey | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | |
| 30 | | Sedimentary rock Brown color | | | | | | | | | | | | | | | | | | |
| 35.00 35 | | Lower part silicified rock, pale greenish gray | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|--|---|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 1.00 | ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock yellowish brown color | | | | | | | | | | | | | | | | | | |
| 10 | | 9.10~10.00 ^m : manganese rich | | | | | | | | | | | | | | | | | | |
| 15 | | gray to dark gray color, clayey PY imp. | | Py Cu | 1 | 190 | 0.68 | 0.006 | 0.017 | — | 0.033 | 0.017 | 8 | <10 | 0.0 | 14 | | | | |
| 16.90 | | gray to reddish brown color | | | | | | | | | | | | | | | | | | |
| 18.40 | | Gossan | | Cu Zn | 2 | 200 | 0.49 | 0.015 | 0.42 | — | 0.014 | 0.046 | 9 | 10 | 0.1 | 33 | | | | |
| 20 | | Brown to dark brown | | | 3 | 160 | 0.36 | 0.007 | 0.30 | — | 0.015 | 0.024 | 6 | <10 | 0.0 | 3 | | | | |
| 20.40 | | | | | | | | | | | | | | | | | | | | |
| 22.00 | | Sedimentary rock yellowish brown color | | | | | | | | | | | | | | | | | | |
| 25 | + + + + + + + + + + + + + + + + | Fine grained two mica granite white color Strong kaolinization | | K | | | | | | | | | | | | | | | | |
| 30.00 | + + | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | |
|-----------|----------|---|------------|--|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-----|----|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | | |
| 2.30 | ~ ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | | | | |
| 4.15 | | Sedimentary rock yellowish brown color | | | | | | | | | | | | | | | | | | | | |
| 4.90 | | Gossan, dark brown, porous weathered granite | | Cu | 1 | 0.75 | 0.32 | 0.004 | 0.032 | — | 0.25 | 0.051 | 32 | <10 | 0.1 | 7 | | | | | | |
| 5.40 | ++++ | Gossan, dark brown color | | Cu | 2 | 0.70 | 0.79 | 0.006 | 0.072 | — | 0.092 | 0.087 | 6 | <10 | 0.0 | 17 | | | | | | |
| 6.10 | ++++ | Coarse grained to medium grained weathered granite yellowish white color kaolinization widespread | K | | | | | | | | | | | | | | | | | | | |
| 10 | ++++ | | | | | | | | | | | | | | | | | | | | | |
| 13.30 | | | | Sedimentary rock gray to brown color gossan embeded in upper | | Cu | 3 | 1.20 | 0.53 | 0.020 | 0.53 | 0.014 | 0.013 | 0.027 | 5 | <10 | 0.0 | 75 | | | | |
| 14.50 | | | | | | Zn | 4 | 1.50 | 0.51 | 0.060 | 0.080 | — | 0.015 | 0.026 | 13 | <10 | 0.0 | 53 | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | |
| 16.00 | ++++ | Fine to coarse grained two mica granite gradually changing to coarse grained yellowish brown to white color | K | | | | | | | | | | | | | | | | | | | |
| 20 | ++++ | | | | | | | | | | | | | | | | | | | | | |
| 25 | ++++ | | | Manganese coating in fracture | | | | | | | | | | | | | | | | | | |
| 30.00 | ++++ | | | | | | | | | | | | | | | | | | | | | |
| 30 | ++++ | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| | ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | |
| 4.00 | ~ ~ | | | | | | | | | | | | | | | | | | |
| 5 | + + | Coarse grained weathered granite yellowish brown color Decomposed partly | | | | | | | | | | | | | | | | | |
| 10 | + + | | | | | | | | | | | | | | | | | | |
| 12.00 | + + | Fine to medium grained | | | | | | | | | | | | | | | | | |
| 15 | + + | Coarse grained biotite granite yellowish white color | | | | | | | | | | | | | | | | | |
| 20 | + + | 22.50 ^m , 24.30 ^m : Q veinlet | | | | | | | | | | | | | | | | | |
| 25 | + + | | | | | | | | | | | | | | | | | | |
| 30.00 | + + | Fine to medium grained biotite granite | k | | | | | | | | | | | | | | | | |
| 30 | + + | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|---------------|-----------|--|------------|----------------|---------------|-----------|-------|------|------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au %/t | Ag %/t | | | | |
| 0 - 5 | ~ ~ ~ ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | | |
| 5 - 6.20 | ~ ~ ~ ~ ~ | Sedimentary rock yellowish brown color weathered clayey | | | | | | | | | | | | | | | | | | |
| 6.20 - 10 | ~ ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | |
| 10 - 14.00 | ~ ~ ~ ~ ~ | Dark gray color, manganese rich Gossan porous Dark reddish brown color | | | | | | | | | | | | | | | | | | |
| 14.00 - 14.85 | ~ ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | |
| 14.85 - 15 | | | Pb | | 1 | 0.85 | 0.28 | 5.87 | 0.55 | 0.012 | 0.019 | 0.015 | 3 | <10 | 0.0 | 293 | | | | |
| 15 - 16.90 | | | Cu | | 2 | 2.05 | 0.52 | 0.17 | 0.13 | — | 0.19 | 0.060 | 8 | <10 | 0.0 | 63 | | | | |
| 16.90 - 20 | + + + + + | Medium grained two mica granite yellow to white color | | | | | | | | | | | | | | | | | | |
| 20 - 25 | + + + + + | | | | | | | | | | | | | | | | | | | |
| 25 - 30.00 | + + + + + | | | | | | | | | | | | | | | | | | | |
| 30.00 - 30 | + + + + + | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|-----------|--|------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 3.00 | ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | |
| 5 | + + + + + | Medium grained two mica granite, yellowish orange color strongly weathered, clayey gossan in some part | | | | | | | | | | | | | | | | | |
| 10.50 | | Gossan, dark brown Bedding clear, dip 60° | | | 1 | 6.00 | 0.28 | 0.069 | 0.12 | — | 0.071 | 0.032 | 11 | <10 | 0.0 | 10 | | | |
| 16.50 | XXXXX | Massive sulfide Dark gray color | | Cu | 2 | 3.50 | 0.25 | 0.001 | 0.010 | — | 0.003 | 0.016 | 5 | <10 | 0.0 | 2 | | | |
| 21.40 | XXXXX | greenish gray color | | | 3 | 1.40 | 0.25 | 0.001 | 0.018 | — | 0.002 | 0.025 | 6 | <10 | 0.2 | 2 | | | |
| 23.50 | + + + + + | Aplitic granite | | | 4 | 2.10 | 0.40 | 0.006 | 0.16 | — | 0.006 | 0.008 | 12 | <10 | 0.1 | 10 | | | |
| 24.60 | o o o o o | Green skarn greenish gray color sulfide imp. | | | 5 | 0.60 | 0.44 | 0.004 | 0.12 | — | 0.003 | 0.010 | 5 | <10 | 0.0 | 6 | | | |
| 24.60 | o o o o o | | 6 | 0.80 | 0.43 | 0.002 | 0.11 | — | 0.003 | 0.014 | 3 | <10 | 0.0 | 4 | | | | | |
| 25 | o o o o o | | 7 | 2.00 | 0.17 | 0.001 | 0.24 | — | 0.017 | 0.017 | 10 | <10 | 0.0 | 3 | | | | | |
| 28.60 | o o o o o | | | Cu | 8 | 1.60 | 0.30 | 0.001 | 0.20 | — | 0.022 | 0.024 | 6 | <10 | 0.0 | 8 | | | |
| 29.70 | o o o o o | | 9 | 1.10 | 0.40 | 0.004 | 7.68 | 0.16 | 0.042 | 0.11 | 5 | <10 | 0.1 | 19 | | | | | |
| 30 | | Sedimentary rock Brown color, strongly weathered | | | | | | | | | | | | | | | | | |
| 35 | | white silicified rock | | | | | | | | | | | | | | | | | |
| 40 | | Yellowish brown to dark brown color Bedding clear, dip 50° | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | |
| 47.60 | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|--|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 3.20 | ~ o ~ o ~ | Reddish brown soil granite, quartz float | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock yellowish brown color strongly weathered, clayey | | | | | | | | | | | | | | | | | |
| 10 | | 11.50~15.00 ^m Manganese rich | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 19.00 | + + + + + + + + | Fine to medium grained weathered granite yellowish white color | | | | | | | | | | | | | | | | | |
| 25 | + + | | | | | | | | | | | | | | | | | | |
| 26.00 | | Sedimentary rock yellowish orange color | | | | | | | | | | | | | | | | | |
| 30 | + + + + + + + + + + + + + + + + + + + | Fine grained granite white color 30.00~36.60 ^m : silicified 30.00~35.00 ^m : Pyrite in fracture | | | | | | | | | | | | | | | | | |
| 35 | + | | | | | | | | | | | | | | | | | | |
| 40.00 | + + | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-------------------------------|---|--|------------|----------------|---------------|-----------|-------|------|------|------|-------|------|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| | ~ ~ ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | |
| 5 | ~ | Sedimentary rock Reddish brown color Strongly weathered clayey Partly manganese | | | | | | | | | | | | | | | | | |
| 9.20 10 11.20 | | Gossan Dark brown color, porous | | | 1 | 2.00 | 0.016 | 0.20 | 0.23 | — | 0.043 | 0.13 | 17 | <10 | 0.0 | 5 | | | |
| 15 20 25 30.00 30 | + | Medium grained granite white color strong kaolinization | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|------|------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 2.70 | ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 3.60 | ~ ~ ~ | Sedimentary rock, clayed | | | | | | | | | | | | | | | | | | |
| 5 | | Gossan Dark brown color | | | 1 | 2.70 | 0.003 | 0.55 | 0.56 | 0.004 | 0.035 | 0.021 | 9 | <10 | 0.0 | 24 | | | | |
| 6.30 | | Sedimentary rock Reddish brown to yellowish brown color 6.30~8.90 manganese rich | | | | | | | | | | | | | | | | | | |
| 13.50 | + + + | Medium grained tour-mus granite white color weak kaolinization | | | | | | | | | | | | | | | | | | |
| 15 | + + + | | | | | | | | | | | | | | | | | | | |
| 20 | + + + | Fine to medium grained two mica granite | | | | | | | | | | | | | | | | | | |
| 23.00 | + + + | | | | | | | | | | | | | | | | | | | |
| 24.20 | | Sedimentary rock | | | | | | | | | | | | | | | | | | |
| 25 | | Brown to dark brown color | | | | | | | | | | | | | | | | | | |
| 25.40 | | 24.20~25.40 pyrite disseminated | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 35 | | yellowish brown color | | | | | | | | | | | | | | | | | | |
| 40 | | silicified, white color | | | | | | | | | | | | | | | | | | |
| 41.10 | | yellowish gray color | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | |
|-----------|--|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | |
| 2.00 | ~ ~ ~ | Dark brown soil | | | | | | | | | | | | | | | | |
| 5 | + + + + + + + + + + | Coarse grained two mica granite yellowish brown to white color weathered kaolinization widespread | | | | | | | | | | | | | | | | |
| 10 | + + + + + + + + + + | Decomposed widely | | | | | | | | | | | | | | | | |
| 15 | + + + + + + + + + + | | K | | | | | | | | | | | | | | | |
| 20 | + + + + + + + + + + | | | | | | | | | | | | | | | | | |
| 25 | + + + + + + + + + + | Medium to coarse grained tour-mus-bio granite | | | | | | | | | | | | | | | | |
| 30.00 | + + | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|---------------|------------------|--|------------|----------------|---------------|-----------|-------|-------|------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 0 - 3.00 | ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 3.00 - 21.80 | Horizontal lines | Sedimentary rock yellowish brown color weathered Bedding clear | | | | | | | | | | | | | | | | | | |
| 21.80 - 23.20 | ○ ○ | Skarnized rock greenish gray color | | Zn | 1 | 1.40 | 0.021 | 0.028 | 0.47 | — | 0.012 | 0.040 | 11 | <10 | 0.1 | 8 | | | | |
| 23.20 - 24.50 | ○ ○ | | | Zn | 2 | 1.30 | 0.013 | 0.009 | 0.39 | — | 0.037 | 0.027 | 6 | <10 | 0.2 | 6 | | | | |
| 24.50 - 25.00 | ○ | | | Zn | 3 | 0.50 | 0.015 | 0.049 | 0.98 | 0.010 | 0.025 | 0.048 | 4 | <10 | 0.2 | 28 | | | | |
| 25.00 - 27.20 | Vertical lines | Calcareous rock | | | | | | | | | | | | | | | | | | |
| 27.20 - 29.10 | ○ ○ | Skarnized rock | | Zn | 4 | 1.90 | 0.050 | 0.012 | 2.09 | 0.025 | 0.034 | 0.093 | 5 | <10 | 0.1 | 11 | | | | |
| 29.10 - 30.50 | ○ ○ | | | Zn | 5 | 0.90 | 0.025 | 0.008 | 3.70 | 0.063 | 0.085 | 0.16 | 10 | <10 | 0.2 | 18 | | | | |
| 30.50 - 31.50 | Grid pattern | massive sulfide | | Zn | 6 | 0.50 | 0.78 | 0.070 | 1.57 | 0.026 | 0.015 | 0.10 | 9 | <10 | 0.2 | 123 | | | | |
| 31.50 - 32.40 | Grid pattern | | | Zn | 7 | 1.00 | 0.12 | 0.038 | 3.42 | 0.056 | 0.070 | 0.12 | 12 | <10 | 0.2 | 47 | | | | |
| 32.40 - 33.00 | Grid pattern | | | Zn | 8 | 0.80 | 0.15 | 0.007 | 1.85 | 0.033 | 0.097 | 0.30 | 12 | <10 | 0.1 | 11 | | | | |
| 33.00 - 34.40 | △ △ | Silicified rock white color | | | 9 | 0.60 | 0.023 | 0.004 | 0.11 | — | 0.006 | 0.013 | 11 | <10 | 0.2 | 2 | | | | |
| 34.40 - 42.35 | + + + | Fine to medium grained tour-mus granite Medium to coarse grained tour mus granite | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|-----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 1.10 | | Brown soil | | | | | | | | | | | | | | | | | |
| 2.40 | ○ ○ | Sedimentary rock Brown to greenish grey color 1.00~2.40 ^m : skarnized | | | | | | | | | | | | | | | | | |
| 5 | + + + + + | Silicified rock Brecciated Q vein partly intruded | | | | | | | | | | | | | | | | | |
| 10 | + + + + + | Fine to medium grained granite | | | | | | | | | | | | | | | | | |
| 15 | + + + + + | 14.20~16.30 ^m tour Q vein | | | | | | | | | | | | | | | | | |
| 20 | + + + + + | Coarse grained tour-mus granite white to brown color 22.20 ^m , 22.90 ^m Q vein | | | | | | | | | | | | | | | | | |
| 25 | + + + + + | | | | | | | | | | | | | | | | | | |
| 30.00 | + + + + + | Granite sand in lower part | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 2.50 | ~ ~ ~ | Reddish brown color | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Brown to yellowish brown color | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 14.20 | | | | | | | | | | | | | | | | | | | | |
| 15 | | Dark gray weathered | | | 1 | 0.80 | 0.19 | 0.001 | 0.031 | — | 0.031 | 0.025 | 5 | <10 | 0.0 | 16 | | | | |
| | | Massive sulfide | | | 2 | 2.50 | 0.68 | 0.001 | 0.024 | — | 0.024 | 0.023 | 8 | <10 | 0.0 | 8 | | | | |
| 17.50 | | Gray color Bedding clear | | | 3 | 2.50 | 0.71 | 0.001 | 0.020 | — | 0.012 | 0.019 | 9 | <10 | 0.0 | 4 | | | | |
| 20 | | | | | 4 | 2.50 | 0.51 | 0.001 | 0.017 | — | 0.026 | 0.034 | 11 | <10 | 0.0 | 10 | | | | |
| 22.50 | | | | | 5 | 1.80 | 0.61 | 0.000 | 0.017 | — | 0.022 | 0.044 | 13 | <10 | 0.0 | 11 | | | | |
| 24.30 | | | | | 6 | 0.70 | 1.09 | 0.002 | 0.010 | — | 0.26 | 0.004 | 17 | 13 | 0.0 | 5 | | | | |
| 25 | | greenish gray~yellowish gray Skarnized rock Epidotized | | | 7 | 2.00 | 0.20 | 0.002 | 0.020 | — | 0.28 | 0.092 | 10 | 10 | 0.0 | 8 | | | | |
| 27.00 | | | | | | | | | | | | | | | | | | | | |
| 27.60 | | Fine grained tour-mus granite white color | | | | | | | | | | | | | | | | | | |
| 29.20 | | Skarnized rock | | | 8 | 1.60 | 0.24 | 0.004 | 0.020 | — | 0.15 | 0.007 | 7 | <10 | 0.0 | 15 | | | | |
| 30 | | | | | 9 | 0.80 | 0.25 | 0.002 | 0.005 | — | 0.27 | 0.007 | 5 | <10 | 30.8 | 19 | | | | |
| 30.60 | | Aplitic granite | | | | | | | | | | | | | | | | | | |
| 31.60 | | Skarnized rock | | | 10 | 1.00 | 0.18 | 0.003 | 0.030 | — | 0.014 | 0.002 | 10 | 11 | 0.0 | 24 | | | | |
| 32.70 | | | | | | | | | | | | | | | | | | | | |
| 32.90 | | Skarnized rock | | | 11 | 0.20 | 0.17 | 0.002 | 0.051 | — | 0.013 | 0.001 | 15 | 12 | 0.0 | 4 | | | | |
| 35 | | Fine grained tour-mus granite white color | | | | | | | | | | | | | | | | | | |
| 39.00 | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 1.50 | ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Reddish brown to yellowish brown color manganese in some part | | | | | | | | | | | | | | | | | | |
| 21.00 | | Gossan brown to orange color | | | 1 | 0.50 | 0.12 | 0.002 | 0.15 | — | 0.19 | 0.11 | 10 | <10 | 0.0 | 2 | | | | |
| 21.50 | | Sedimentary rock Brown color | | | | | | | | | | | | | | | | | | |
| 23.20 | | Bluish gray color | | | 2 | 0.80 | 0.018 | 0.004 | 0.044 | — | 0.088 | 0.44 | 32 | 12 | 0.0 | 22 | | | | |
| 24.00 | | Yellowish green color | | | | | | | | | | | | | | | | | | |
| 25 | + + | Medium grained tour-mo-mus granite white color Kaolinization partly | K | | | | | | | | | | | | | | | | | |
| 30.00 | + + | | | | | | | | | | | | | | | | | | | |
| -30 | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|----------|---------------------------|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| ~ | ~ | Brown soil | | | | | | | | | | | | | | | | | |
| 2.90 | ~ | Sedimentary rock | | | | | | | | | | | | | | | | | |
| 4.20 | ~ | yellowish white weathered | | | | | | | | | | | | | | | | | |
| 5 | + | Medium grained | | | | | | | | | | | | | | | | | |
| | + | weathered granite | | | | | | | | | | | | | | | | | |
| | + | Decomposed widely | | | | | | | | | | | | | | | | | |
| 10 | + | Grain size gradually | | | | | | | | | | | | | | | | | |
| | + | changes to coarse | | | | | | | | | | | | | | | | | |
| 15 | + | Kaolinization widespread | | | | | | | | | | | | | | | | | |
| | + | | | | | | | | | | | | | | | | | | |
| | + | | | | | | | | | | | | | | | | | | |
| 20 | + | Coarse grained | | | | | | | | | | | | | | | | | |
| | + | two mica granite | | | | | | | | | | | | | | | | | |
| | + | 22.85m : Q veinlet | | | | | | | | | | | | | | | | | |
| | + | | | | | | | | | | | | | | | | | | |
| 25 | + | | | | | | | | | | | | | | | | | | |
| | + | | | | | | | | | | | | | | | | | | |
| | + | | | | | | | | | | | | | | | | | | |
| | + | | | | | | | | | | | | | | | | | | |
| 30.00 | + | | | | | | | | | | | | | | | | | | |
| 30 | + | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|-------|------|------|------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| | ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock brown to yellowish brown soil | | | | | | | | | | | | | | | | | | |
| 9.50 | o o o | Skarnized rock, greenish gray | | | | | | | | | | | | | | | | | | |
| 10 | | | K | | 1 | 0.50 | 0.44 | 0.002 | 0.13 | — | 0.45 | 0.027 | 17 | 21 | 0.0 | 8 | | | | |
| 15 | | Medium grained tour - mus granite yellowish brown to white color | | | | | | | | | | | | | | | | | | |
| 20 | | Strong kaolinization | | | | | | | | | | | | | | | | | | |
| 25 | | Grain size gradually changes to coarse | | | | | | | | | | | | | | | | | | |
| 30.00 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | |
|--------------|--|---|------------|----------------|---------------|-----------|---------|---------|---------|---------|---------|--------|-----------|-----------|-----------|-----------|--|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | | |
| | ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | | | |
| 5 | + + + + + + + + + + | Coarse grained four-mus granite white color kaolinized widely Decomposed rock widespread | K | | | | | | | | | | | | | | | | | | | |
| 10 | + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | |
| 15 | + + + + + + + | | | | | | | | | | | | | | | | | | | | | |
| 20 | + + + + + + | | | | | | | | | | | | | | | | | | | | | |
| 25 | + + + + + | | | | | | | | | | | | | | | | | | | | | |
| 30.00 30 | + + | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 2.70 | ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Brown to yellowish brown color | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 19.00 | + | Fine to medium grained aplitic granite | | | | | | | | | | | | | | | | | | |
| 20 | + | | | | | | | | | | | | | | | | | | | |
| 20.30 | | Sedimentary rock Brown color | | | | | | | | | | | | | | | | | | |
| 21.00 | o o | Pale greenish gray color Epdoized | E | Cu | 1 | 1.20 | 0.91 | 0.21 | 0.17 | — | 0.033 | 0.003 | 22 | <10 | 0.0 | 5 | | | | |
| 22.60 | o o | | | | | | | | | | | | | | | | | | | |
| 24.20 | | | | | | | | | | | | | | | | | | | | |
| 25 | | Gray color | E | Cu | 2 | 1.80 | 1.30 | 0.005 | 0.36 | — | 0.076 | 0.009 | 15 | <10 | 0.0 | 18 | | | | |
| 26.00 | | | | | 3 | 2.30 | 0.35 | 0.001 | 0.27 | — | 0.12 | 0.012 | 16 | <10 | 0.0 | 3 | | | | |
| 28.30 | | yellowish brown | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31.90 | | Gossan | | | 4 | 0.50 | 0.016 | 0.25 | 0.76 | 0.025 | 0.012 | 0.031 | 5 | <10 | 0.1 | 10 | | | | |
| 32.40 | | | | | | | | | | | | | | | | | | | | |
| 33.00 | | | | | | | | | | | | | | | | | | | | |
| 35 | X | non core | | | | | | | | | | | | | | | | | | |
| 36.00 | o o | | | | 5 | 0.50 | 0.003 | 2.43 | 2.28 | 0.026 | 0.023 | 0.13 | 5 | <10 | 0.1 | 195 | | | | |
| 36.50 | o | Skarnized rock | | | 6 | 1.00 | 0.025 | 0.76 | 0.67 | 0.009 | 0.038 | 0.019 | 4 | <10 | 0.0 | 115 | | | | |
| 37.50 | o o | Greenish gray color | | | 7 | 0.90 | 0.19 | 0.066 | 0.032 | — | 0.058 | 0.001 | 4 | <10 | 0.1 | 30 | | | | |
| 38.40 | o | | | | 8 | 0.60 | 0.68 | 0.001 | 0.54 | 0.011 | 0.042 | 0.015 | 3 | <10 | 0.1 | 34 | | | | |
| 39.00 | | | | | 9 | 1.00 | 0.71 | 0.001 | 0.77 | 0.012 | 0.042 | 0.014 | 2 | <10 | 0.1 | 39 | | | | |
| 40 | | Massive sulfide | Zn | | 10 | 0.30 | 0.51 | 0.002 | 0.046 | — | 0.16 | 0.019 | 6 | <10 | 0.1 | 20 | | | | |
| 40.50 | | Dark gray | Cu | | 11 | 1.80 | 0.61 | 0.002 | 0.086 | — | 0.028 | 0.063 | 4 | <10 | 0.0 | 17 | | | | |
| 42.30 | | | | | 12 | 1.00 | 1.09 | 0.001 | 0.029 | — | 0.045 | 0.060 | 8 | <10 | 0.0 | 32 | | | | |
| 43.30 | + | | | | | | | | | | | | | | | | | | | |
| 45 | + | Medium grained granite | | | | | | | | | | | | | | | | | | |
| 45 | + | 43.90 ^m , 44.15 ^m : chalcopyrite veinlet | | | | | | | | | | | | | | | | | | |
| 46.30 | + | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 5 | ~ ~ ~ ~ | Yellowish brown soil | | | | | | | | | | | | | | | | | | |
| 5.60 | | Sedimentary rock Bluish gray to brown color 11.00~14.50 ^m : Manganese rich | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 17.90 | | Massive sulfide Gray to dark gray, partly greenish gray color | | | 1 | 2.80 | 0.50 | 0.038 | 9.58 | 0.20 | 0.11 | 0.10 | 5 | <10 | 0.0 | 52 | | | | |
| 18.70 | | | | | 2 | 0.90 | 0.18 | 0.021 | 0.70 | 0.015 | 0.095 | 0.059 | 6 | <10 | 0.0 | 87 | | | | |
| 19.60 | | | | | 3 | 2.40 | 0.62 | 0.010 | 0.42 | — | 0.023 | 0.035 | 3 | <10 | 0.0 | 35 | | | | |
| 20 | | | | | 4 | 2.00 | 0.57 | 0.003 | 0.086 | — | 0.035 | 0.049 | 4 | <10 | 0.3 | 26 | | | | |
| 22.00 | | | | | 5 | 2.00 | 0.57 | 0.009 | 0.14 | — | 0.022 | 0.079 | 4 | <10 | 0.2 | 26 | | | | |
| 24.00 | | | | | 6 | 2.00 | 0.61 | 0.006 | 0.15 | — | 0.011 | 0.058 | 3 | <10 | 0.2 | 25 | | | | |
| 25 | | | | | 7 | 2.60 | 0.59 | 0.002 | 0.048 | — | 0.013 | 0.081 | 4 | <10 | 0.1 | 21 | | | | |
| 26.00 | | | | | 8 | 0.80 | 0.97 | 0.006 | 0.063 | — | 0.037 | 0.073 | 5 | <10 | 0.2 | 32 | | | | |
| 28.00 | | | | | 9 | 1.80 | 0.30 | 0.004 | 0.027 | — | 0.026 | 0.050 | 4 | <10 | 0.0 | 9 | | | | |
| 30 | | | | | 10 | 2.00 | 0.46 | 0.005 | 0.044 | — | 0.023 | 0.077 | 4 | <10 | 0.0 | 14 | | | | |
| 30.60 | | | | | 11 | 2.50 | 0.26 | 0.008 | 0.049 | — | 0.042 | 0.093 | 5 | <10 | 0.0 | 11 | | | | |
| 31.20 | | | | | 12 | 2.40 | 0.44 | 0.018 | 0.21 | — | 0.027 | 0.088 | 4 | <10 | 0.0 | 35 | | | | |
| 33.00 | | | | | 13 | 2.10 | 0.67 | 0.009 | 0.23 | — | 0.085 | 0.22 | 11 | <10 | 0.0 | 26 | | | | |
| 35 | | | | | 14 | 2.00 | 0.40 | 0.008 | 0.29 | — | 0.021 | 0.091 | 5 | <10 | 0.0 | 22 | | | | |
| 37.60 | | | | | 15 | 1.00 | 0.65 | 0.002 | 0.10 | — | 0.011 | 0.62 | 16 | <10 | 0.0 | 2 | | | | |
| 39.90 | | Greenish gray color | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | |
| 42.00 | | Medium to coarse grained tour granite | | | | | | | | | | | | | | | | | | |
| 44.00 | | | | | | | | | | | | | | | | | | | | |
| 45 | | Massive sulfide | | | | | | | | | | | | | | | | | | |
| 47.70 | | | | | | | | | | | | | | | | | | | | |
| 49.00 | | | | | 16 | 1.30 | 0.26 | 0.001 | 0.011 | — | 0.047 | 0.016 | 7 | <10 | 0.0 | 5 | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | |
|--------------|-------------|---|------------|----------------|---------------|-----------|---------|---------|---------|---------|---------|--------|-----------|-----------|-----------|-----------|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | |
| | ~ ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | |
| 3.00 | + + | Pale orange to white coarse grained biotite granite, weathered K-feldspar phenocryst Decomposed soil widespread | | | | | | | | | | | | | | | | |
| 5 | + + | | | | | | | | | | | | | | | | | |
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| 30.00 | + + | | | | | | | | | | | | | | | | | |
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| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|-------|------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | |
| ~ | ~ | Brown soil | | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock yellowish brown to yellowish white | | | | | | | | | | | | | | | | | | | |
| 10 | | 10.00-15.00m: Manganese rich | | | | | | | | | | | | | | | | | | | |
| 15 | | Sedimentary rock and gossan | | | 1 | 2.00 | 0.20 | 0.42 | 0.43 | — | 0.064 | 0.024 | 3 | <10 | 0.3 | 141 | | | | | |
| 17.00 | | Brown to dark brown color | | | 2 | 2.00 | 0.24 | 0.81 | 0.32 | — | 0.13 | 0.012 | 5 | <10 | 0.0 | 112 | | | | | |
| 19.00 | | | | | 3 | 1.70 | 0.25 | 0.54 | 0.32 | — | 0.098 | 0.017 | 5 | <10 | 0.0 | 139 | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | |
| 20.70 | | | | | | | | | | | | | | | | | | | | | |
| 22.50 | | Gossan dark brown color | | | 4 | 1.80 | 0.18 | 1.05 | 0.42 | — | 0.023 | 0.023 | 2 | <10 | 0.0 | 54 | | | | | |
| 23.00 | | non core | | Zn | | | | | | | | | | | | | | | | | |
| 25 | | | | | 5 | 2.00 | 0.17 | 2.32 | 0.54 | 0.023 | 0.005 | 0.034 | 2 | <10 | 0.0 | 268 | | | | | |
| 27.30 | | | | | 6 | 2.30 | 0.12 | 1.66 | 3.21 | 0.050 | 0.008 | 0.076 | 4 | <10 | 0.0 | 289 | | | | | |
| 28.30 | | Sedimentary rock, greenish gray | | | 7 | 1.00 | 0.018 | 0.32 | 3.26 | 0.038 | 0.057 | 0.057 | 2 | <10 | 0.0 | 71 | | | | | |
| 29.50 | | Gossan, reddish brown color | | | 8 | 1.20 | 0.44 | 0.17 | 1.56 | 0.020 | 0.044 | 0.044 | 5 | <10 | 0.0 | 88 | | | | | |
| 30 | | gray to dark gray, sulfide rich | | | 9 | 1.00 | 0.81 | 0.42 | 13.3 | 0.55 | 0.15 | 0.15 | 6 | <10 | 0.0 | 133 | | | | | |
| 30.50 | | Skarnized rock | | | 10 | 1.20 | 1.30 | 0.010 | 1.57 | 0.017 | 0.082 | 0.082 | 11 | <10 | 0.0 | 71 | | | | | |
| 31.70 | | | | | | | | | | | | | | | | | | | | | |
| 34.50 | | Fine grained tour-mus granite | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-------------|----------|--|------------|----------------|---------------|-----------|-------|-------|------|------|------|------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 1.50 | ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Reddish brown to yellowish brown color Manganese partly exists | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | |
| 29.70 30 | | Gossan Orange to brown color | | | 1 | 1.80 | 0.35 | 0.012 | 0.11 | — | 0.10 | 0.10 | 9 | <10 | 0.0 | 7 | | | | |
| 31.60 | | Sedimentary rock Orange to yellowish white color | | | | | | | | | | | | | | | | | | |
| 32.90 | ++ | | | | | | | | | | | | | | | | | | | |
| 35 | ++ | Medium grained Tour-mus granite white color | ↑ K↓ | | | | | | | | | | | | | | | | | |
| 38.70 | ++ | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-------------|--|---|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 2.00 | ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | |
| 5 | + + + + + + + + + + | Coarse grained weathered granite Reddish brown color, partly gossan embeded Decomposed rock in upper | | | | | | | | | | | | | | | | | |
| 10 | + + + + + + + | yellowish brown color | | | | | | | | | | | | | | | | | |
| 15 15.10 | + + + + | silicified, white color | | | | | | | | | | | | | | | | | |
| 17.30 | + + + | Medium grained tour-mus granite | | | | | | | | | | | | | | | | | |
| 19.30 20 | + + + + + + + | Silicified rock | | | | | | | | | | | | | | | | | |
| 22.70 | + + + + + + + | Medium to coarse grained tour-mus granite Weak kaolinization | | | | | | | | | | | | | | | | | |
| 25 | + + + + + + + | | | | | | | | | | | | | | | | | | |
| 30.00 30 | + + | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|------|-------|------|-------|-------|--------|--------|--------|--------|-----|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 2.40 | ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock yellowish brown color weathered Manganese partly exists | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 17.20 | o o | Skarnized rock, brown color | | | Zn | 1 | 1.10 | 1.26 | 0.84 | 3.38 | 0.074 | 0.066 | 0.054 | 4 | <10 | 0.0 | 104 | | | |
| 18.30 | o | weathered | | | Cu | | | | | | | | | | | | | | | |
| 20 | o o | Gray color | | | Pb | 2 | 1.70 | 5.34 | 11.6 | 3.75 | 0.049 | 0.076 | 0.036 | 4 | <10 | 0.0 | 233 | | | |
| | o o | Greenish brown color | | | | | | | | | | | | | | | | | | |
| | o o | Core recovery low | | | | | | | | | | | | | | | | | | |
| 24.30 | o o | | | | Zn | 3 | 1.00 | 0.62 | 0.83 | 6.48 | 0.088 | 0.060 | 0.066 | 8 | <10 | 0.0 | 100 | | | |
| 25 | o o | Gray, altered | | | Cu | | | | | | | | | | | | | | | |
| 25.30 | o o | | | | Pb | 4 | 0.70 | 0.22 | 0.030 | 2.70 | 0.045 | 0.080 | 0.037 | 10 | <10 | 0.0 | 16 | | | |
| 26.00 | o o | | | | | | | | | | | | | | | | | | | |
| 30 | | Slimy core, containing sulfide | | | | | | | | | | | | | | | | | | |
| 30.60 | o o | Skarnized rock, pyrite rich | | | Cu | 5 | 0.40 | 1.12 | 0.023 | 0.12 | --- | 0.036 | 0.028 | 5 | 14 | 0.0 | 48 | | | |
| 31.00 | +++ | Granite | | | | | | | | | | | | | | | | | | |
| 31.70 | o o | Skarnized rock | | | Cu | 6 | 0.40 | 0.62 | 0.010 | 0.16 | --- | 0.036 | 0.026 | 27 | 510 | 0.0 | 36 | | | |
| 32.10 | o o | Fine to medium grained | | | | | | | | | | | | | | | | | | |
| 33.00 | +++ | fine - mus granite | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 1.30 | ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Reddish brown to yellowish white color | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 24.40 | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | 1 | 0.90 | 0.1A | 0.012 | 0.26 | — | 0.062 | 0.004 | 3 | <10 | 0.1 | 45 | | | | |
| 25.30 | | | | | 2 | 1.00 | 0.61 | 0.023 | 7.82 | 0.098 | 0.019 | 0.12 | 6 | <10 | 0.0 | 56 | | | | |
| 26.30 | | | | | 3 | 1.10 | 0.88 | 0.015 | 0.060 | — | 0.009 | 0.029 | 5 | <10 | 0.0 | 46 | | | | |
| 27.40 | | Massive sulfide, gray color Epidote rich | | | 4 | 0.50 | 1.64 | 0.014 | 0.14 | — | 0.029 | 0.066 | 6 | <10 | 0.0 | 83 | | | | |
| 27.90 | | | | | 5 | 0.80 | 0.56 | 0.019 | 0.042 | — | 0.035 | 0.090 | 5 | <10 | 0.0 | 41 | | | | |
| 28.70 | | | | | 6 | 0.80 | 0.85 | 0.025 | 0.095 | — | 0.015 | 0.030 | 5 | <10 | 0.0 | 59 | | | | |
| 29.50 | | | | | 7 | 0.90 | 0.33 | 0.010 | 0.19 | — | 0.013 | 0.012 | 9 | <10 | 1.4 | 24 | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 30.40 | | | | | | | | | | | | | | | | | | | | |
| | | Sedimentary rock yellowish brown color | | | 8 | 3.40 | 0.059 | 0.003 | 0.62 | 0.003 | 0.071 | 0.008 | 9 | <10 | 0.0 | 24 | | | | |
| 33.80 | | | | | | | | | | | | | | | | | | | | |
| 35 | | Green skarn rich Massive sulfide gray color | | Zn | 9 | 1.20 | 0.31 | 0.008 | 0.49 | — | 0.061 | 0.020 | 8 | <10 | 0.0 | 5 | | | | |
| 37.00 | | | | Cu | 10 | 2.00 | 0.66 | 0.006 | 0.074 | — | 0.040 | 0.067 | 6 | <10 | 0.0 | 34 | | | | |
| 38.00 | | | | | 11 | 1.00 | 0.43 | 0.003 | 5.19 | 0.099 | 0.094 | 0.071 | 4 | <10 | 0.0 | 23 | | | | |
| 39.20 | | | | | 12 | 1.20 | 0.40 | 0.002 | 6.45 | 0.10 | 0.071 | 0.077 | 4 | <10 | 0.0 | 14 | | | | |
| 40 | | | | | 13 | 0.80 | 0.41 | 0.002 | 0.23 | — | 0.027 | 0.039 | 4 | <10 | 0.0 | 9 | | | | |
| 42.20 | | | | | 14 | 2.20 | 0.58 | 0.001 | 0.034 | — | 0.008 | 0.025 | 6 | <10 | 0.0 | 13 | | | | |
| 42.60 | | Massive sulfide | | | 15 | 0.40 | 0.54 | 0.001 | 0.96 | 0.029 | 0.004 | 0.027 | 5 | <10 | 0.0 | 14 | | | | |
| 43.30 | | | | | 16 | 0.70 | 0.33 | 0.003 | 1.46 | 0.041 | 0.013 | 0.031 | 3 | <10 | 0.0 | 9 | | | | |
| 44.30 | | | | | 17 | 1.00 | 0.48 | 0.001 | 7.21 | 0.19 | 0.028 | 0.10 | 4 | <10 | 0.2 | 15 | | | | |
| 44.70 | | | | | 18 | 0.40 | 0.31 | 0.002 | 1.76 | 0.041 | 0.035 | 0.011 | 5 | <10 | 0.0 | 8 | | | | |
| 45 | | | | | 19 | 1.80 | 0.26 | 0.001 | 0.049 | — | 0.023 | 0.008 | 8 | <10 | 0.0 | 7 | | | | |
| 46.50 | | | | | 20 | 1.20 | 1.01 | 0.001 | 0.26 | — | 0.022 | 0.015 | 19 | 12 | 0.1 | 24 | | | | |
| 47.70 | +++ | Aplitic granite | | | | | | | | | | | | | | | | | | |
| 48.20 | +++ | Massive sulfide | | | 21 | 0.50 | 0.26 | 0.002 | 0.70 | — | 0.019 | 0.022 | 12 | <10 | 0.0 | 9 | | | | |
| 48.70 | +++ | | | | | | | | | | | | | | | | | | | |
| 50.00 | + | Aplitic granite | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 1.00 | ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock yellowish brown color bedding clear | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 25.20 | + + | Medium grained biotite granite | | | | | | | | | | | | | | | | | |
| | + + | | | | | | | | | | | | | | | | | | |
| | + + | | | | | | | | | | | | | | | | | | |
| | + + | | | | | | | | | | | | | | | | | | |
| | + + | 28.00m: tour-Q vein W=1-3cm | | | | | | | | | | | | | | | | | |
| 30.00 | + + | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | |
|--------------|---|--|------------|----------------|---------------|-----------|---------|---------|---------|---------|---------|--------|-----------|-----------|-----------|-----------|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | |
| 1.40 | ~ ~ | <i>Brown to yellowish brown soil</i> | | | | | | | | | | | | | | | | |
| 5 | + | <i>Coarse to medium grained biotite granite yellowish brown to white</i> | | | | | | | | | | | | | | | | |
| 15 | + | <i>Fresh rock</i> | | | | | | | | | | | | | | | | |
| 20 | + | | | | | | | | | | | | | | | | | |
| 25 | + | | | | | | | | | | | | | | | | | |
| 30.00 30 | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | |
|-------------|----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | |
| | ~ ~ | Dark brown soil | | | | | | | | | | | | | | | | | | | |
| 5 | + | Medium grained tour-mus granite Reddish brown to yellowish white color Kaolinitization | K | | | | | | | | | | | | | | | | | | |
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| 25 | + | Aplitic granite | | | | | | | | | | | | | | | | | | | |
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| 30.00 30 | + | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | |
|-------------|--|---|------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|-------------------|-------------------|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au % _t | Ag % _t | | |
| 1.70 | ~ ~ ~ + + | Gray soil | K S | | | | | | | | | | | | | | | |
| 5 | + | Fine to medium grained tour-mus granite white color Strong kaolinization & sericitization Widely decomposed rock | | | 1 | 3.30 | 0.001 | 0.001 | 0.006 | — | 0.012 | 0.006 | 52 | 21 | 0.0 | 2 | | |
| 10 | + | | | | 2 | 5.00 | 0.001 | 0.002 | 0.005 | — | 0.011 | 0.005 | 45 | 19 | 0.0 | 0 | | |
| 15 | + | | | | 3 | 5.00 | 0.000 | 0.000 | 0.005 | — | 0.011 | 0.004 | 45 | 23 | 0.0 | 1 | | |
| 20 | + | | | | 4 | 5.00 | 0.000 | 0.000 | 0.005 | — | 0.010 | 0.005 | 47 | 17 | 0.0 | 1 | | |
| 25 | + | | | | 5 | 5.00 | 0.000 | 0.000 | 0.005 | — | 0.011 | 0.005 | 47 | 25 | 0.0 | 1 | | |
| 30.00 30 | + + + + + + + + + + | | | 6 | 5.00 | 0.001 | 0.000 | 0.005 | — | 0.010 | 0.005 | 44 | 18 | 0.0 | 0 | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | |
|-------------|--|---|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | |
| 2.00 | ~ ~ ~ | Grayish brown soil | | | | | | | | | | | | | | | | |
| 5 | + + + + + + + + + + | Fine to medium grained tour-mus granite white strong kaolinization & sericitization | | | 2 | 5.00 | 0.000 | 0.000 | 0.005 | — | 0.013 | 0.002 | 35 | 15 | 0.0 | 1 | | |
| 10 | + + + + + + + + + + | Decomposed rock widespread | | | 3 | 5.00 | 0.000 | 0.001 | 0.004 | — | 0.013 | 0.002 | 39 | 19 | 0.0 | 0 | | |
| 15 | + + + + + + + + + + | | K S | | 4 | 5.00 | 0.000 | 0.001 | 0.004 | — | 0.013 | 0.002 | 36 | 18 | 0.0 | 1 | | |
| 20 | + + + + + + + + + + | | | | 5 | 5.00 | 0.000 | 0.001 | 0.004 | — | 0.013 | 0.004 | 34 | 16 | 0.0 | 0 | | |
| 25 | + + + + + + + + + + | coarse grain | | | 6 | 5.00 | 0.000 | 0.001 | 0.004 | — | 0.011 | 0.002 | 31 | 14 | 0.0 | 1 | | |
| 30.00 30 | + + | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | |
|--------------|--|--|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t |
| 1.70 | ~ ~ ~ | Grayish brown soil | | | | | | | | | | | | | | |
| 5 | + + + + + + + + + + | Fine grained | | | 1 | 3.30 | 0.000 | 0.001 | 0.005 | — | 0.012 | 0.003 | 38 | 20 | 0.0 | 1 |
| 10 | + + + + + + + + + + | Medium to coarse grained tour-mus granite gray to white color pink color in some part | | | 2 | 5.00 | 0.000 | 0.000 | 0.005 | — | 0.011 | 0.003 | 36 | 14 | 0.0 | 0 |
| 15 | + + + + + + + + + + | Widely decomposed | | | 3 | 5.00 | 0.000 | 0.000 | 0.008 | — | 0.006 | 0.007 | 51 | 15 | 0.0 | 0 |
| 20 | + + + + + + + + + + | Fine grain | | | 4 | 5.00 | 0.000 | 0.000 | 0.005 | — | 0.012 | 0.007 | 91 | 28 | 0.0 | 1 |
| 25 | + + + + + + + + + + | | | | 5 | 5.00 | 0.000 | 0.000 | 0.001 | — | 0.007 | 0.006 | 60 | 16 | 0.0 | 0 |
| 30.00 | + + | | | | 6 | 5.00 | 0.000 | 0.000 | 0.005 | — | 0.007 | 0.006 | 59 | 15 | 0.0 | 0 |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | |
|-----------|----------|--|------------|--|---------------|-----------|-------|-------|-------|-------|------|-------|--------|--------|--------|--------|---|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | | |
| 1.00 | ~ ~ | Grayish brown soil | | | | | | | | | | | | | | | | | | | | |
| 5 | + | Fine to medium grained tour-mus granite Decomposed rock Strong Alteration | K S | | | | | | | | | | | | | | | | | | | |
| 10 | + | | | | | | | | | | | | | | | | | | | | | |
| 14.00 | + | | | | | | | | | | | | | | | | | | | | | |
| 15 | + | | | | | 1 | 2.00 | 0.004 | 0.001 | 0.009 | — | 0.010 | 0.011 | 46 | 19 | 0.0 | 1 | | | | | |
| 16.00 | + | | | | | | | | | | | | | | | | | | | | | |
| 17.00 | + | | | Fresh rock | | | | | | | | | | | | | | | | | | |
| 20 | + | | | | | | | | | | | | | | | | | | | | | |
| 25 | + | | | Medium to coarse grained tour-mus granite Pink and yellowish green color secondary mineral along fractures | | | | | | | | | | | | | | | | | | |
| 30.00 | + | | | | | | | | | | | | | | | | | | | | | |
| 30 | + | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|--------------------------|-----------|--|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 5 | ~ ~ ~ ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | |
| 6.00 | ~ ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | |
| 10 | | Sedimentary rock yellowish brown color | | | | | | | | | | | | | | | | | |
| 14.50 | | | | | | | | | | | | | | | | | | | |
| 15 | + + + + + | Aplitic granite yellowish brown to white color | | | | | | | | | | | | | | | | | |
| 20 | + + + + + | | | | | | | | | | | | | | | | | | |
| 25 | + + + + + | Fine grained tour-mus granite white color widely decomposed | | | | | | | | | | | | | | | | | |
| 30 | + + + + + | | | | | | | | | | | | | | | | | | |
| 31.30~31.60 ^m | + + + + + | Epidote | | | | | | | | | | | | | | | | | |
| 35.00 | + + + + + | | | | | | | | | | | | | | | | | | |
| 35 | + + + + + | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | |
| 0.00 | ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock yellowish brown to greenish gray color | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
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| 25 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 35 | | 36.00~36.40m diabase W=5cm 38.20~38.40m diabase W=5cm | | | | | | | | | | | | | | | | |
| 39.00 | o o | 38.20m Dyke W=5cm | | | | | | | | | | | | | | | | |
| 40 | o o | Skarnized rock Greenish gray color | | | 1 | 1.70 | 0.001 | 0.002 | 0.11 | — | 0.007 | 0.001 | 8 | <10 | 0.0 | 0 | | |
| 40.70 | o o | | | | | | | | | | | | | | | | | |
| 42.20 | v v | Diabase gray color | | | | | | | | | | | | | | | | |
| 43.00 | o/ o/ | Skarnized rock, silicified | | | 2 | 0.80 | 0.001 | 0.001 | 0.20 | — | 0.006 | 0.003 | 7 | <10 | 0.0 | 0 | | |
| 43.50 | + + | granite | | | | | | | | | | | | | | | | |
| 44.00 | o/ o/ | Skarnized rock, silicified | | | 3 | 0.50 | 0.001 | 0.004 | 0.058 | — | 0.006 | 0.016 | 8 | <10 | 0.0 | 1 | | |
| 45.00 | + + | Fine grained tour-granite | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | |
|---------------|----------|---|------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | To ppm | Au g/t | Ag g/t | | | | | |
| 0 - 9.80 | ~ ~ | Dark brown soil | | | | | | | | | | | | | | | | | | | |
| 9.80 - 18.00 | ○ ○ | Sedimentary rock yellowish brown color partly greenish gray | | | | | | | | | | | | | | | | | | | |
| 10.50 | ○ | Skarnized rock Greenish gray color | | Zn | 1 | 0.70 | 0.006 | 0.14 | 3.43 | 0.050 | 0.005 | 0.049 | 4 | <10 | 0.0 | 36 | | | | | |
| 11.00 | ○ | | | | 2 | 0.50 | 0.003 | 0.10 | 2.61 | 0.027 | 0.005 | 0.043 | 5 | <10 | 0.0 | 34 | | | | | |
| 12.50 | ○ ○ | | | | 3 | 1.50 | 0.013 | 0.12 | 2.82 | 0.029 | 0.014 | 0.071 | 6 | <10 | 0.0 | 96 | | | | | |
| 13.50 | ○ ○ | | | | 4 | 1.00 | 0.016 | 0.006 | 2.63 | 0.013 | 0.030 | 0.042 | 3 | <10 | 0.0 | 5 | | | | | |
| 14.90 | ○ | | | | 5 | 1.30 | 0.013 | 0.006 | 1.40 | 0.015 | 0.059 | 0.014 | 4 | <10 | 0.0 | 6 | | | | | |
| 15.50 | ○ ○ | | | | 6 | 0.20 | 0.14 | 0.012 | 11.6 | 0.17 | 0.051 | 0.11 | 3 | <10 | 0.0 | 26 | | | | | |
| 16.00 | ○ ○ | | | | 7 | 0.80 | 0.12 | 0.002 | 3.48 | 0.058 | 0.095 | 0.066 | 4 | <10 | 0.0 | 11 | | | | | |
| 17.00 | ○ | | | | 8 | 0.50 | 0.070 | 0.002 | 6.33 | 0.076 | 0.226 | 0.046 | 2 | <10 | 0.0 | 11 | | | | | |
| 18.00 | ○ | | | | 9 | 1.00 | 0.33 | 0.030 | 6.92 | 0.12 | 0.11 | 0.073 | 3 | <10 | 0.0 | 52 | | | | | |
| 18.50 - 21.30 | ⊗ ⊗ | Massive sulfide gray color | | | | | | | | | | | | | | | | | | | |
| 20.50 | ⊗ | | | Cu | 10 | 1.50 | 0.77 | 0.002 | 0.39 | — | 0.065 | 0.055 | 5 | <10 | 0.0 | 33 | | | | | |
| 21.30 | ⊗ | | | | 11 | 1.50 | 0.40 | 0.000 | 0.022 | — | 0.015 | 0.034 | 5 | <10 | 0.0 | 3 | | | | | |
| 21.30 | ⊗ | | | | 12 | 1.30 | 0.28 | 0.001 | 0.020 | — | 0.008 | 0.015 | 7 | <10 | 0.0 | 7 | | | | | |
| 21.30 - 35.00 | + + | Medium to coarse grained tour-mus granite | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|------|-------|-------|-------|-------|--------|--------|--------|--------|-----|----|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au %/1 | Ag %/1 | | | | | | | |
| 3.75 | ~ ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | | | | | |
| 5 | □ □ □ □ | Limestone Gray to white color slightly recrystallized | | | | | | | | | | | | | | | | | | | | | |
| 10 | □ □ □ □ | Bedding 40° | | | | | | | | | | | | | | | | | | | | | |
| 15 | □ □ □ □ | | | | | | | | | | | | | | | | | | | | | | |
| 20 | □ □ □ □ | | | | | | | | | | | | | | | | | | | | | | |
| 25 | □ □ □ □ | | | | | | | | | | | | | | | | | | | | | | |
| 30 | □ □ □ □ | | | | | | | | | | | | | | | | | | | | | | |
| 35 | ○ ○ ○ ○ | Skarnized rock Greenish gray color | | | Zn | | 1 | 0.90 | 0.007 | 0.063 | 0.25 | — | 0.066 | 0.007 | 4 | <10 | 0.0 | 30 | | | | | |
| 36.40 | ○ ○ ○ ○ | | | | Zn | | 2 | 0.40 | 0.007 | 0.22 | 3.46 | 0.037 | 0.23 | 0.18 | 7 | <10 | 0.0 | 95 | | | | | |
| 36.90 | ○ ○ ○ ○ | | | | | | 3 | 1.70 | 0.006 | 0.003 | 0.22 | — | 0.12 | 0.002 | 4 | <10 | 0.0 | 2 | | | | | |
| 38.50 | ○ ○ ○ ○ | | | | Zn | | 4 | 1.80 | 0.14 | 0.017 | 6.16 | 0.068 | 0.12 | 0.060 | 3 | <10 | 0.0 | 15 | | | | | |
| 39.70 | ○ ○ ○ ○ | | | | Zn | | 5 | 0.40 | 0.40 | 0.023 | 0.91 | 0.011 | 0.19 | 0.017 | 4 | <10 | 0.0 | 23 | | | | | |
| 40 | ○ ○ ○ ○ | | | | | | 6 | 0.30 | 0.784 | 0.012 | 1.23 | 0.020 | 0.20 | 0.254 | 4 | <10 | 0.0 | 11 | | | | | |
| 40.40 | ○ ○ ○ ○ | Skarnized rock | | | | | 7 | 1.70 | 0.009 | 0.001 | 0.033 | — | 0.23 | 0.003 | 6 | <10 | 0.0 | 1 | | | | | |
| 42.10 | ○ ○ ○ ○ | | | | | | 8 | 1.40 | 0.38 | 0.009 | 0.13 | — | 0.026 | 0.030 | 7 | <10 | 0.0 | 18 | | | | | |
| 43.50 | ○ ○ ○ ○ | Massive sulfide Gray to grayish brown color | | | Cu | | 9 | 2.50 | 0.41 | 0.003 | 0.017 | — | 0.003 | 0.019 | 3 | <10 | 0.0 | 10 | | | | | |
| 46.00 | ○ ○ ○ ○ | | | | | | 10 | 2.00 | 0.48 | 0.002 | 0.019 | — | 0.003 | 0.047 | 5 | <10 | 0.0 | 11 | | | | | |
| 48.00 | ○ ○ ○ ○ | Relic of schistose rock interbedded in some part | | | | | 11 | 2.00 | 0.51 | 0.002 | 0.032 | — | 0.004 | 0.024 | 6 | <10 | 0.0 | 9 | | | | | |
| 50.00 | ○ ○ ○ ○ | | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | |
|-----------|----------|--|------------|----------------|---------------|-----------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au %/1 | Ag %/1 | | | | | | |
| 51.00 | □ □ □ □ | | | | 12 | 1.00 | 0.40 | 0.002 | 0.016 | — | 0.003 | 0.026 | 4 | <10 | 0.0 | 6 | | | | | | |
| 52.50 | □ □ □ □ | | | | 13 | 1.50 | 0.64 | 0.004 | 0.022 | — | 0.006 | 0.013 | 7 | <10 | 0.0 | 11 | | | | | | |
| 55 | □ □ □ □ | | | | 14 | 2.50 | 0.30 | 0.002 | 0.016 | — | 0.002 | 0.010 | 3 | <10 | 0.0 | 6 | | | | | | |
| 57.00 | □ □ □ □ | | | | 15 | 2.00 | 0.40 | 0.002 | 0.011 | — | 0.001 | 0.044 | 3 | <10 | 0.0 | 6 | | | | | | |
| 58.00 | □ □ □ □ | | | | 16 | 1.00 | 0.25 | 0.001 | 0.022 | — | 0.008 | 0.045 | 7 | <10 | 0.0 | 12 | | | | | | |
| 59.00 | □ □ □ □ | | | | 17 | 1.00 | 0.73 | 0.002 | 0.034 | — | 0.004 | 0.11 | 4 | <10 | 0.0 | 25 | | | | | | |
| 60 | □ □ □ □ | | | | 18 | 1.00 | 1.14 | 0.002 | 0.041 | — | 0.007 | 0.11 | 4 | <10 | 0.0 | 37 | | | | | | |
| 60.95 | □ □ □ □ | | | | 19 | 0.85 | 0.78 | 0.002 | 0.033 | — | 0.008 | 0.066 | 5 | <10 | 0.0 | 25 | | | | | | |
| 61.20 | □ □ □ □ | Silicified rock | | | 20 | 0.20 | 0.85 | 0.001 | 0.034 | — | 0.015 | 0.096 | 11 | <10 | 0.0 | 26 | | | | | | |
| 61.40 | □ □ □ □ | | | | 21 | 1.60 | 0.10 | 0.002 | 0.28 | — | 0.056 | 0.011 | 7 | <10 | 0.0 | 3 | | | | | | |
| 63.00 | □ □ □ □ | Skarnized silicified Sedimentary rock yellowish green color | | E | 22 | 2.00 | 0.68 | 0.002 | 0.48 | — | 0.051 | 0.085 | 9 | <10 | 0.0 | 16 | | | | | | |
| 65 | □ □ □ □ | Pyrrhotite layer interbed | | | 23 | 1.00 | 0.83 | 0.001 | 0.022 | — | 0.060 | 0.032 | 8 | <10 | 0.0 | 19 | | | | | | |
| 66.00 | □ □ □ □ | Magnetite, chalcopyrite scheelite disseminated | | | 24 | 1.05 | 0.36 | 0.001 | 0.040 | — | 0.042 | 0.037 | 12 | <10 | 0.0 | 11 | | | | | | |
| 67.05 | □ □ □ □ | | | | | | | | | | | | | | | | | | | | | |
| 70 | □ □ □ □ | Medium grained granite Weak kaolinitization & sericitization partly skarnized | | K S | | | | | | | | | | | | | | | | | | |
| 75.00 | □ □ □ □ | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | |
| 4.65 | ~ ~ ~ ~ | Reddish brown soil | | | | | | | | | | | | | | | | | |
| 5 | ~ ~ ~ ~ | Limestone gray color slightly recrystallized | | | | | | | | | | | | | | | | | |
| 9.95 | o o | Skarnized rock greenish gray color sphalerite scheelite disseminated | | | | | | | | | | | | | | | | | |
| 10 | o o | | | | | | | | | | | | | | | | | | |
| 15 | o o | | | | | | | | | | | | | | | | | | |
| 15.70 | o o | | | | | | | | | | | | | | | | | | |
| 20 | ~ ~ ~ ~ | Limestone slightly recrystallized | | | | | | | | | | | | | | | | | |
| 25 | X X | Cavity | | | | | | | | | | | | | | | | | |
| 25.80 | X X | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | | | | | |
|-----------|----------|---|------------|----------------|---------------|-----------|-------|------|------|------|------|-----|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | | | | | | |
| 4.00 | ~ ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | ~ ~ ~ ~ | Limestone Gray to pale gray color slightly recrystallized | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49.50 | ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | |

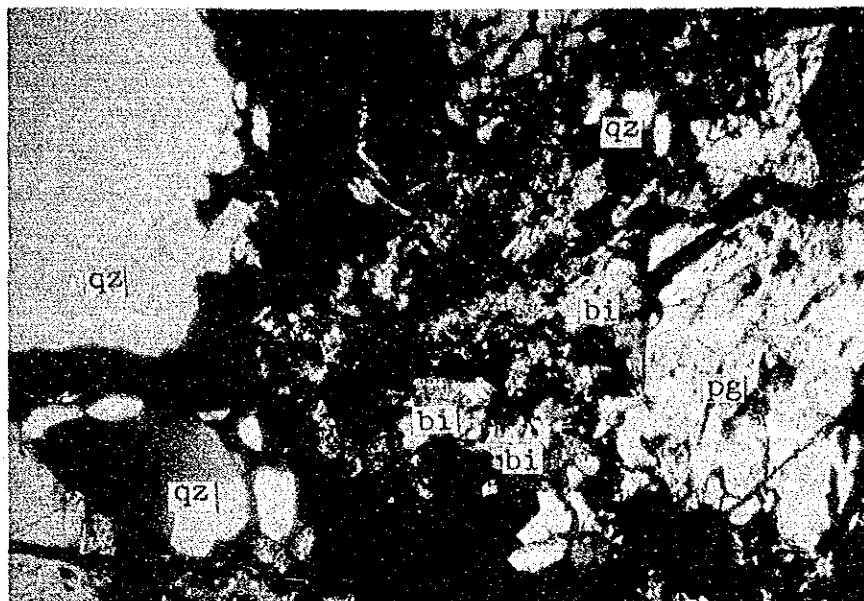
| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | | | | | | |
|-----------|----------|--|---------------|----------------|---------------|-----------|-------|-------|------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | | | | | | |
| | X | Cavity | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.50 | ○ ○ | Skarnized rock Greenish gray color bedding 60° | | | 1 | 1.00 | 0.002 | 0.046 | 0.30 | — | 0.049 | 0.004 | 5 | <10 | 0.0 | 24 | | | | | | | | | |
| 57.20 | ○ ○ | | | | 2 | 1.80 | 0.005 | 0.15 | 1.10 | 0.015 | 0.076 | 0.029 | 6 | <10 | 0.0 | 80 | | | | | | | | | |
| 58.20 | ○ ○ | | | | 3 | 1.15 | 0.003 | 0.067 | 0.86 | 0.012 | 0.051 | 0.031 | 6 | <10 | 0.0 | 53 | | | | | | | | | |
| 60 | ○ ○ | Limestone recrystalline | | | | | | | | | | | | | | | | | | | | | | | |
| 61.15 | ○ ○ | | | | | | | | | | | | | | | | | | | | | | | | |
| 62.50 | △ △ | Calc-silicate rock pale gray to white color | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | △ △ | | | | | | | | | | | | | | | | | | | | | | | | |
| 68.20 | △ △ | | Boundary: 35° | | | | | | | | | | | | | | | | | | | | | | |
| 69.30 | ○ ○ | Skarnized rock Greenish gray color | | | 4 | 1.10 | 0.093 | 0.30 | 4.94 | 0.065 | 0.085 | 0.060 | 5 | <10 | 0.0 | 150 | | | | | | | | | |
| 70 | ○ ○ | | | | 5 | 1.70 | 0.003 | 0.080 | 1.09 | 0.015 | 0.11 | 0.020 | 6 | <10 | 0.0 | 54 | | | | | | | | | |
| 71.00 | ○ ○ | | | | 6 | 0.50 | 0.008 | 0.69 | 5.52 | 0.070 | 0.028 | 0.081 | 3 | 13 | 0.0 | 393 | | | | | | | | | |
| 71.50 | ○ ○ | | | | 7 | 1.50 | 0.001 | 0.062 | 0.13 | — | 0.062 | 0.026 | 6 | <10 | 0.0 | 30 | | | | | | | | | |
| 73.00 | ○ ○ | Boundary: 35° | | | 8 | 1.50 | 0.003 | 0.23 | 1.29 | 0.015 | 0.079 | 0.031 | 6 | <10 | 0.0 | 110 | | | | | | | | | |
| 74.50 | ○ ○ | | | | | | | | | | | | | | | | | | | | | | | | |
| 74.70 | ○ ○ | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | ++ | Medium to coarse grained biotite granite | | | | | | | | | | | | | | | | | | | | | | | |
| 75.30 | | | | | | | | | | | | | | | | | | | | | | | | | |

| Depth (m) | Core log | Description | Alteration | Mineralization | No. of sample | Width (m) | Assay | | | | | | | | | | | | | |
|-------------|----------|---|------------|----------------|---------------|-----------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|--|--|--|
| | | | | | | | Cu % | Pb % | Zn % | Cd % | Sn % | W % | Nb ppm | Ta ppm | Au g/t | Ag g/t | | | | |
| 3.00 | ~ ~ ~ ~ | Brown soil | | | | | | | | | | | | | | | | | | |
| 5 | | Sedimentary rock Orange color, clayey | | | | | | | | | | | | | | | | | | |
| 6.70 | | Gossan Dark brown color, porous | | | 1 | 3.00 | 0.59 | 0.13 | 0.10 | — | 0.075 | 0.16 | 12 | <10 | 0.0 | 53 | | | | |
| 10 10.50 | | Sedimentary rock yellowish white to yellowish brown color | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | |
| 27.10 | o o | | | | | | | | | | | | | | | | | | | |
| 29.00 | o o | | | | 2 | 1.90 | 0.002 | 0.20 | 0.19 | — | 0.006 | 0.007 | 9 | <10 | 0.0 | 18 | | | | |
| 30 | o o | Skarnized rock yellowish green color | E | Zn | 3 | 2.00 | 0.010 | 0.079 | 1.04 | 0.013 | 0.055 | 0.037 | 11 | <10 | 0.0 | 2 | | | | |
| 31.00 | o o | | | | 4 | 1.00 | 0.15 | 0.16 | 1.29 | 0.007 | 0.068 | 0.049 | 6 | <10 | 0.0 | 38 | | | | |
| 32.00 | o o | | | | 5 | 1.00 | 0.11 | 0.018 | 1.07 | 0.022 | 0.30 | 0.032 | 18 | 11 | 0.0 | 16 | | | | |
| 33.00 | o o | | | | 6 | 1.20 | 0.001 | 0.015 | 0.007 | — | 0.23 | 0.007 | 22 | <10 | 0.0 | 7 | | | | |
| 34.20 | + | | | | | | | | | | | | | | | | | | | |
| 35 | + | Medium grained biotite granite | | | | | | | | | | | | | | | | | | |
| 37.00 | + | | | | | | | | | | | | | | | | | | | |

Appendix 10 Photomicrographs of rock and ore samples

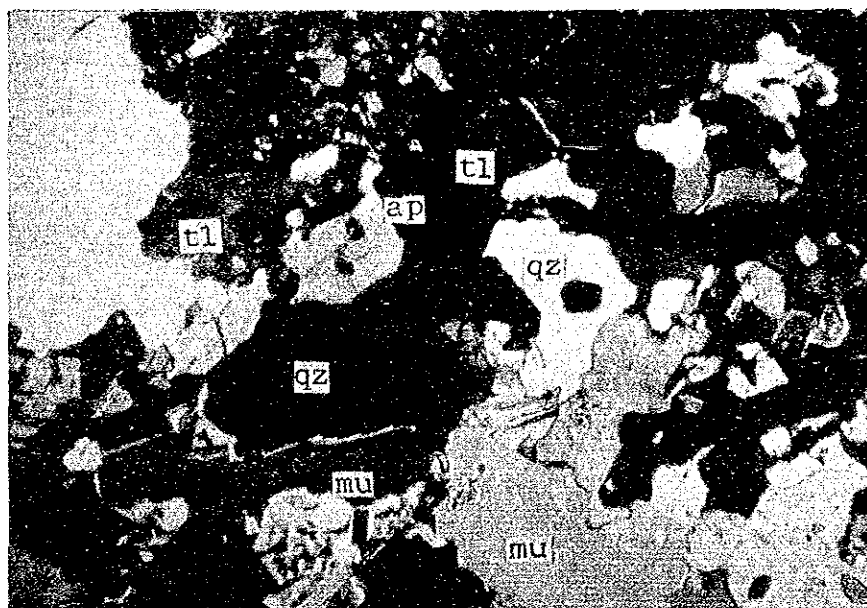
Abbreviations

| | | | |
|----|-------------------|-----|-------------------------|
| qz | : quartz | ru | : rutile |
| pg | : plagioclase | gt | : garnet |
| kf | : potash feldspar | cs | : cassiterite |
| mu | : muscovite | ct | : columbite - tantalite |
| bi | : biotite | cp | : chalcopyrite |
| px | : pyroxene | sp | : sphalerite |
| tl | : tourmaline | bis | : bismuth mineral |
| ap | : apatite | py | : pyrite |
| sr | : sericite | po | : pyrrhotite |
| ep | : epidote | mag | : magnetite |
| ch | : chlorite | | |
| op | : opaque mineral | | |



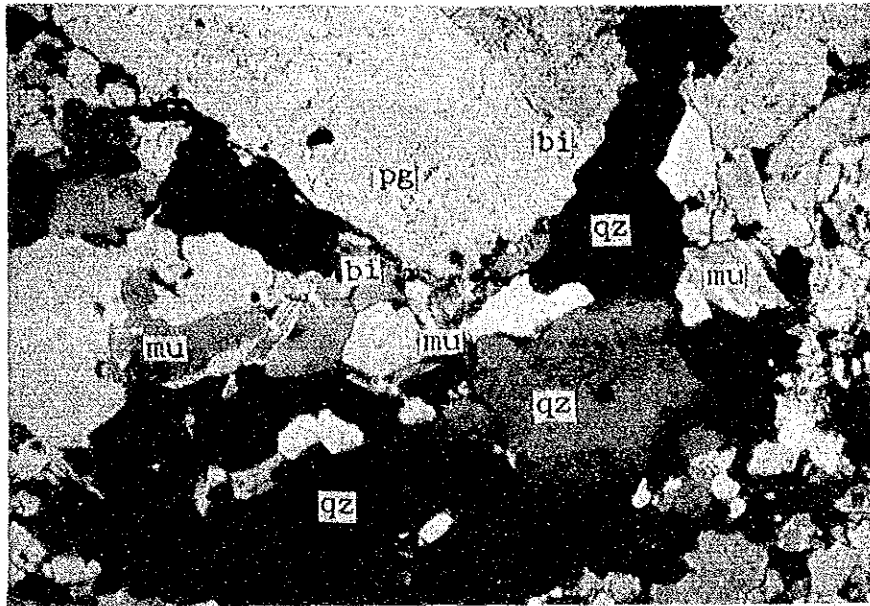
Sample No. : ATP091
 Locality : Trench T-9
 Rock name : Porphyritic biotite granite

Transmitted light
 Crossed nicols



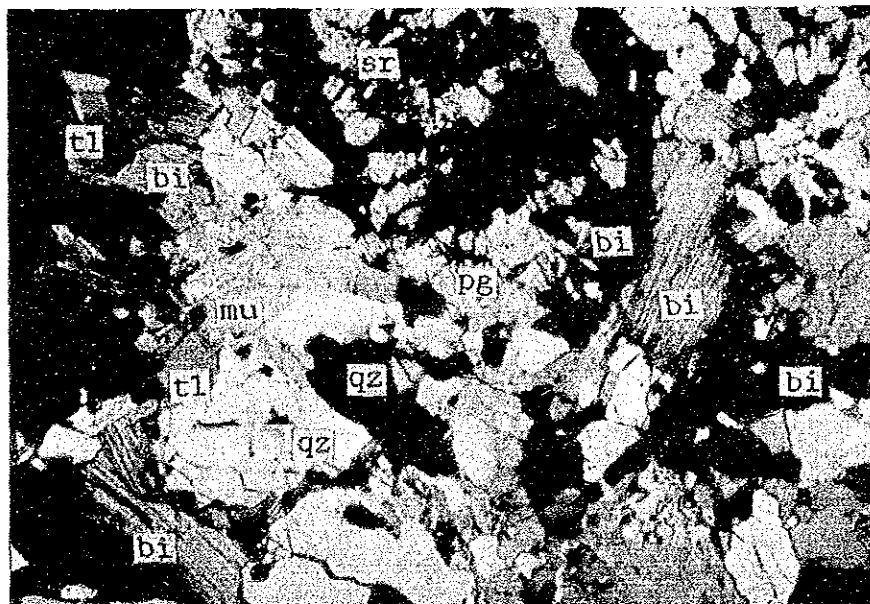
Sample No. : ATP201
 Locality : Trench T-20
 Rock name : Coarse grained gneissose granite

Transmitted light
 Crossed nicols



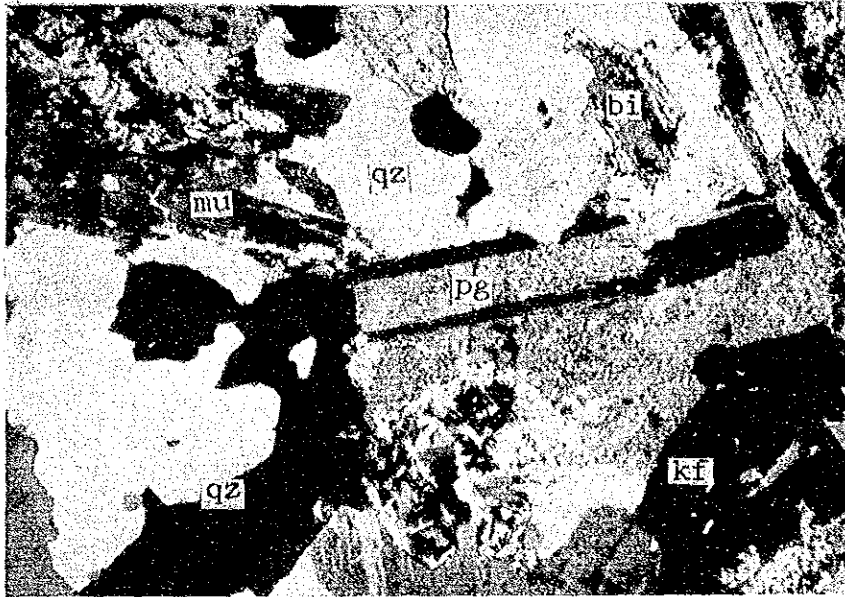
Sample No. : AR3264
 Locality : Branch of Huai U Tum
 Rock name : Two mica granite

Transmitted light
 Crossed nicols



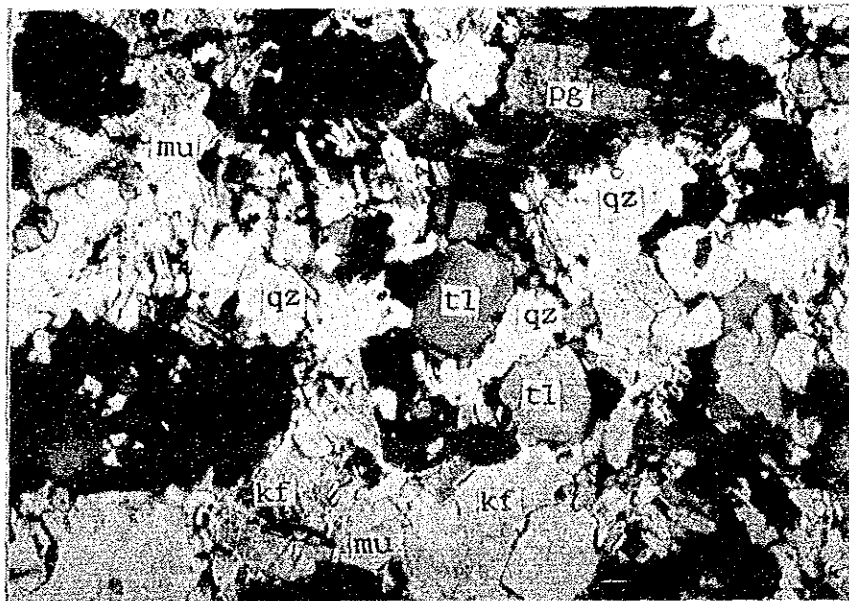
Sample No. : AR3265
 Locality : Huai Sa Ngin
 Rock name : Porphyritic biotite granite

Transmitted light
 Crossed nicols



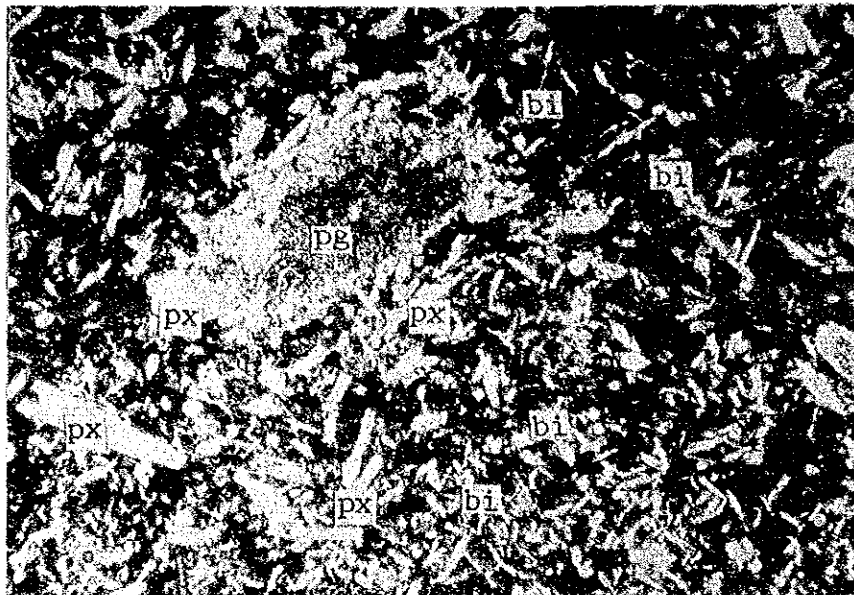
Sample No. : C45-1
 Locality : Drill hole MJTY-45
 (depth 28.00m)
 Rock name : Two mica granite

Transmitted light
 Crossed nicols



Sample No. : C49-1
 Locality : Drill hole MJTY-49
 (depth 28.50m)
 Rock name : Tourmaline granite

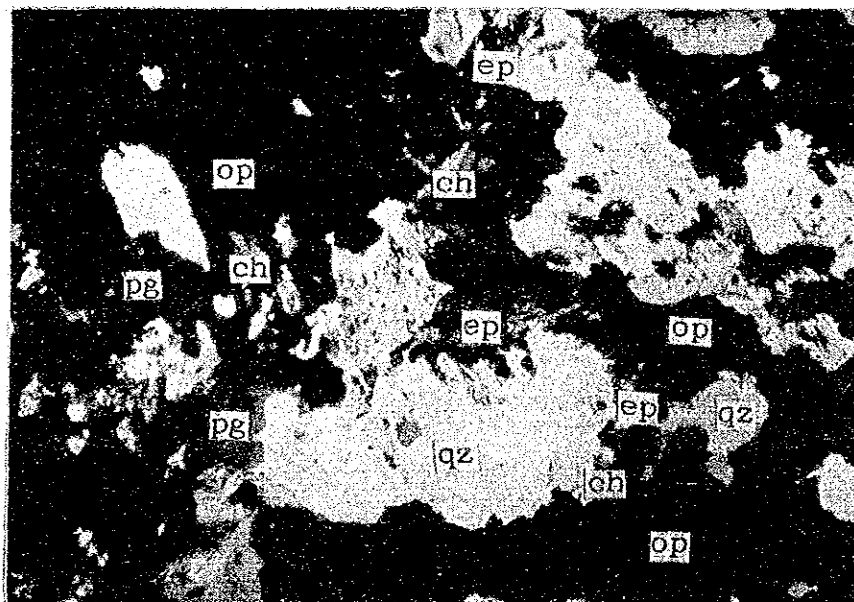
Transmitted light
 Crossed nicols



Sample No. : C52-2
 Locality : Drill hole MJTY-52
 (depth 41.70m)
 Rock name : Diabase

Transmitted light
 Crossed nicols

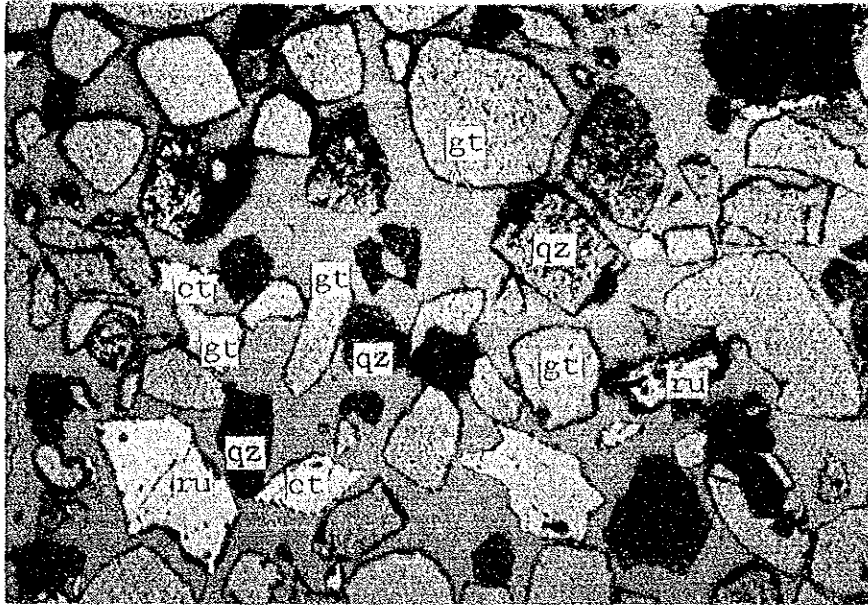
0 0.5mm



Sample No. : C54-5
 Locality : Drill hole MJTY-54
 (depth 64.40m)
 Rock name : Silicified epidote skarn

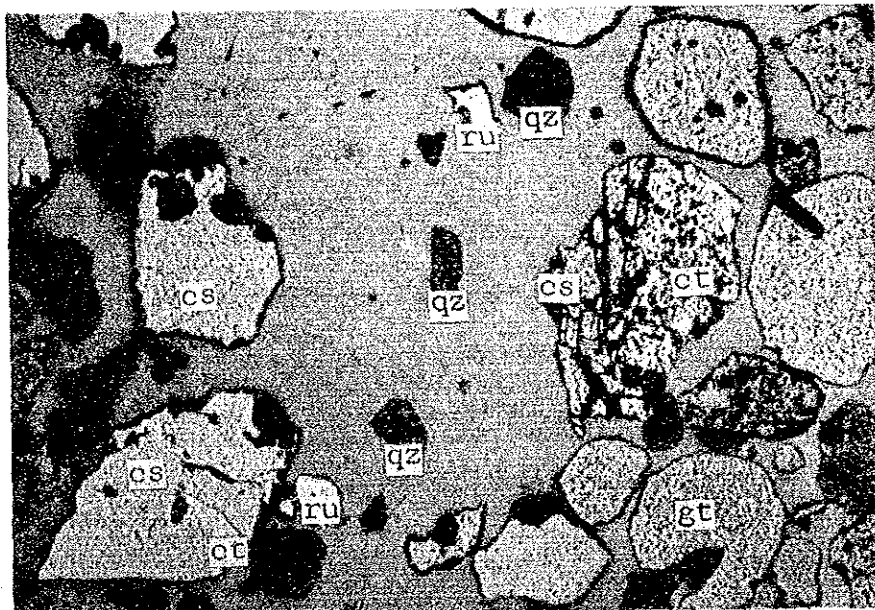
Transmitted light
 Crossed nicols

0 0.5mm



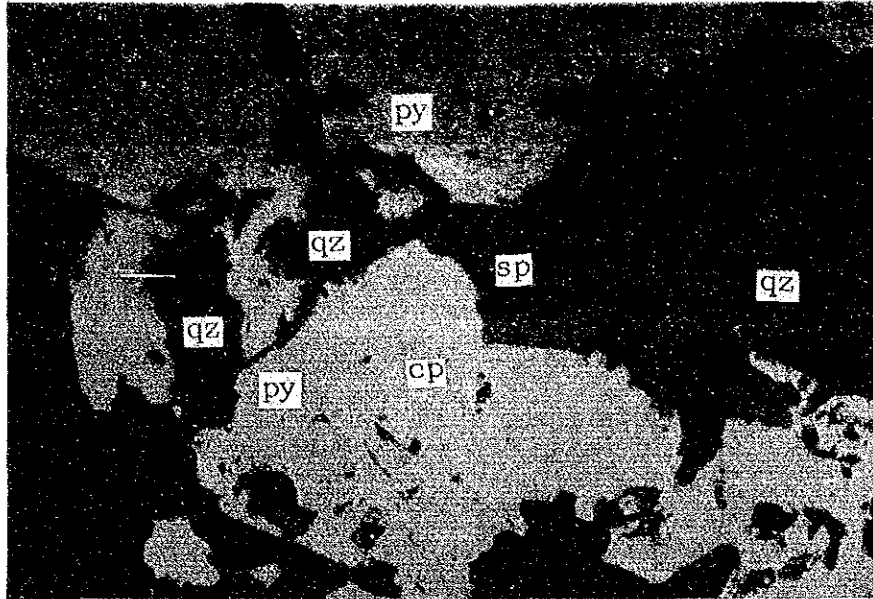
Sample No. : ATP032
 Locality : Trench T-3
 Sample name: Panning concentrate of pegmatite

Reflected light
 One nicol



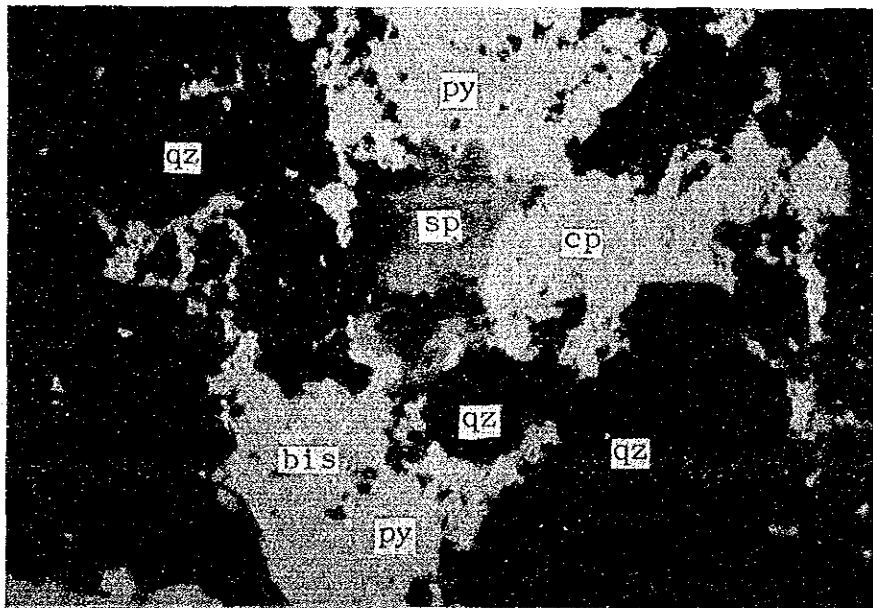
Sample No. : AP3263
 Locality : Huai Sa Ngin
 Sample name: Panning concentrate of stream sediment

Reflected light
 One nicol



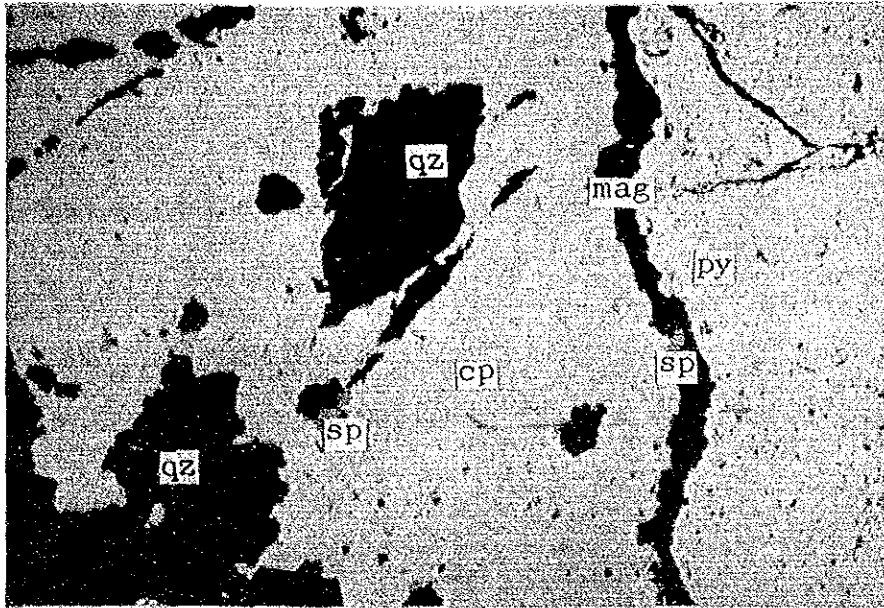
Sample No. : C14-4
 Locality : Drill hole MJTY-14
 (depth 35.50m)
 Rock name : Skarnized granite ~ sulfide
 disseminated greenskarn

Reflected light
 One nicol



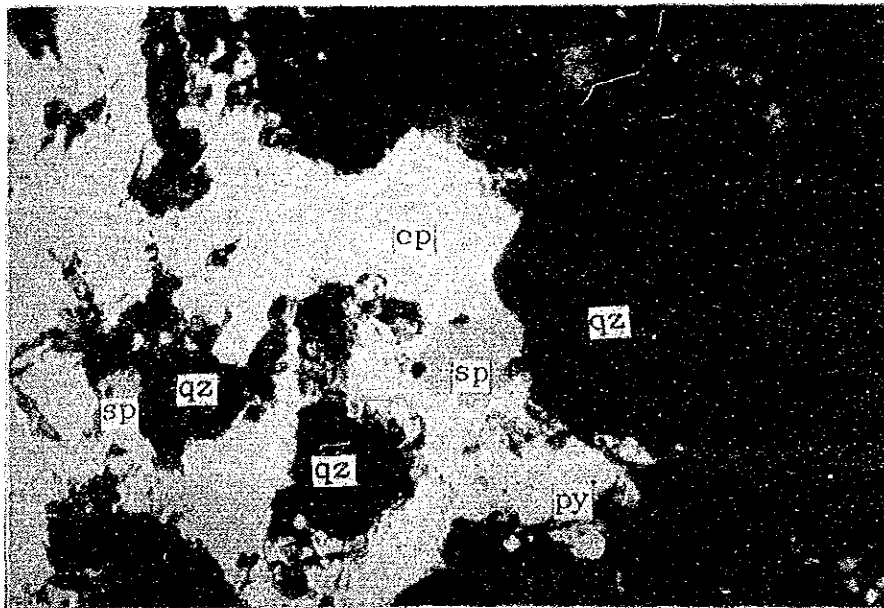
Sample No. : C26-4
 Locality : Drill hole MJTY-26
 (depth 29.40m)
 Rock name : Green skarn ~ massive sulfide

Reflected light
 One nicol



Sample No. : C36-4
 Locality : Drill hole MJTY-36
 (depth 29.40m)
 Rock name : Sulfide disseminated green skarn

Reflected light
 One nicol



Sample No. : C54-3
 Locality : Drill hole MJTY-54
 (depth 58.50m)
 Rock name : Massive sulfide

Reflected light
 One nicol