| A) | YVALI | PR | OJECT | • | | | | | | | E No | | | -110 | | | (9 | SHEE | T 4 0 | <u>(5</u>) |
|-----------|--|------------|--------------|-------------------|------------------|---------|---------|-------------|---------------------|---|---------|------|------|-----------------|----------|-----------|-------------|-----------|--------------------|---------------------------------------|
| LOCATIO | ON . | DAM | SITE | RIVER | BED) | - | | contaction. | | EPTH OF HOLE 100.00 | | | | COMMENCE |) _ | 91 | -05- | 25 | | |
| ELEVATI | ION J | 852 | .03 | | . | | Ď | <u>t</u> | | IRECTION OF HOLE 90° | | | | COMPLETE |) _ | 91 | -08 | 07 | | |
| COORDIN | VATE . | X:4 | 51446 | 5.24 | | | | | | ORE RECOVERY | | | | DRILLED I | BY _ | <u>S.</u> | Kaya | 1 | | · · · · · · · · · · · · · · · · · · · |
| | : | Y:4 | <u>93681</u> | .98 | · | | | | DF | RILLING MACHINE | | · | - | LOGGED B | Υ _ | Su | kru | Bay | | |
| z | | 끷 | | ≿ | | 11 | 1 | |)BSE | ERVATION OF CORE | | Ţ | EST | NG | ñ | (5 | TION | m^X | | |
| ELEVATION | DEPTH | ROCK HAME | 100 | CORE RECOVERY | COLOR | WEATHER | HARD- | CRACK | EVALUATION | DESCRIPTION | LUGEON | Pmex | Pc | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WAT | G.W.L (Opt.H) | ОЕРТН |
| 792.03 | 60m | | | 0 → 100% THEFT | | - | | | | | ┿ | Kgf | /csf | · | | | | % | | 60m |
| 752.00 | 1 | . : | L | | | | | 3 | | Stick core. Flow structure is pre- dominant. 62.6-62.7m Cracky | Lu'=50 | 7.2 | | : | | | | | 40.00 | |
| | 3 3 | | | | | | | 2 | | | Lum9.5 | 14.7 | | | | | | | 42.00m (62.00m) | 2 |
| | 4 | | <u>.</u> . | | 1. | | 2 | 1 | | Crack surface is oxidated | Tu.=14 | 7.1 | | | | | | | | -4 -5 |
| | 2 - 1- 6 - 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | | ئیے الے الے | | | | | 2 | | Core length is 5 to 10cm. | 9 | 4.2 | | | | | | | 42.00m (66.00m) | 6 |
| | 8 | | L L | | -Grey | | | 3 | | | D Lu | 1, | | | | | | | | 8 |
| | 20 20 10 11 | Rhyol 1 te | i. | | eenish Grey | 2 | | ; 2 | | | ru,≖2 | 7,1 | | | | | | | | -9 -70 |
| | 1 2 | E E | L | | Light Gree | | 2 | 3 | - | Crack surfaces are brown. Cracky | Lumo | 14.2 | | | | | | | | -1 |
| | 5. 0. | | | | | | | 2 | | Fairly fresh and hard, stick to substick core, Crack surfaces are slightly oxidated, | Lu=10 | 14 | | | | | | | | - 3 |
| | ي 2 مالىيىلىيىلىيدا | | L | | | | | | | | Lu≖8.9 | 14.2 | | | | | | | | -4 - -5 |
| | 6 milion 7 milion 8 milion 7 m | | | | | | 2 | 2-3 | | | #34 | 21 | | | | | | | 42.00m (76.00m) | -6 -7 |
| | 8 1991-1991-19 | | | | | | | 5 | | | .p.T | 8. | | | | | | | | 8 |
| 772.03 | 9 - 80 - | | | | | | | 2 | | 79.2-79.3m Fragments | Lu=14 | 14.3 | | | | | | | 42.00m | - 9 - 80_ |
| | | | | | | 1 | 1, | var si) - | stick). - 5 isoi | > driffer's Bute 4 - 2 (substick), 3 tylecel, 4 (fragment), 5 tyrein) ft) | | | | | | | | | | |
| | | | | | eare lass RQD | s 1 | (fresh) | -516 | Comp | କ୍ଷୟ ି ୍ | | | | ELI | CTRi | C PO | HER | DEAE | LOPMENT (| CO., LTD. |

| | | | | | GF | - - - | 1(|)G | ¥IC | LOG OF DRILL | НС |)L | E | | | Pa | ago | 3 | | |
|-----------|---|-----------|-------------|--------------|----------|-----------------|---------------|----------|---------------------------------|--|----------|------|------|--------------|----------|------------|-------------|----------|--------------------|---|
| | | nn. | A 1009 | | | | 5.00 | | | iioLi | | | | -110 | | | | | r 5 o | 5 1 |
| | | PR | | (RIVER | RED | - : | | | | EPTH OF HOLE 100.00 | | | | COMMENCE |)) | 91 | -(15- | | 1 30 | 3 1 |
| LOCATI | | | | - 1111 1 m v | | | 0 | <u> </u> | | RECTION OF HOLE 90° | | | | COMPLETE | _ | | -08- | | | |
| CUUSUI | NATE | X:4 | 5144(| 35.24 | | | | | | DRE RECOVERY | | | | ORILLED 1 | - | | | | | |
| COULD | | | 93681 | | | | | | DI | RILLING MACHINE | | | | OGGED B | Υ _ | Su | kru | Bay | | |
| | | υ. | <u> </u> | <u>}</u> | | 1 | 1 | | OBSE | RVATION OF CORE | | Ţ | ESTI | NG | Ä | C 5 | TION | A. R. | | _ |
| ELEVATION | HLdaO | ROCK NAME | L 0 G | CORE | COLOR | WEATHER- | HARD- NESS | CRACK | EVALUATIO | DESCRIPTION | LUGEON | Ртах | P C | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | ă | G.W.L (Opt.11) | вертн |
| 772.03 | 80m | | | 0 → 100°. | | | | | | | - | Kgf | /cnl | | | | | % | | 80m |
| | | | L | | | | | 1 | | 80,5-80,9m C=3 | Lu=7,1 | 14.3 | | | | | | | | 1 |
| | 2 | · · | L | | | 2 | 8 | 2 | | Vertical Joints partially fragments | 32 | 2 | | | | | | | 42,00m (82,00m) | |
| | 3 | | L | | | | | 3 | | | Lu=32 | 07 | | | | | | | | - 3 - 4 |
| | | | L | | | | | | | Fresh and hard stick core Core length is more than | Lus 10 | 14.2 | | • | | | | | | 5 |
| | 6 | ÷ | L | | | | | | | lm. Crack surfaces are not oxidated. | - | | | | | | | | 42.00m (86.00m) | -6 |
| | 7 - | | L | | | 1 | 1 | | | | Lu=1.5 | 14.1 | | | | | | | | 7 |
| | 8 1 | | L | | Grey | | | | | | | | | | | | | | | -8 |
| | 9 1 | te | L | | Grey | | 5 | ı | | | Lu=0.8 | 14,1 | | | | | | | | 9 |
| · | 80 - | Rhyol1te | L | | Greenish | 2 | 2 | | | | =47 | 1 | | | | | | | 42,40m (90,00m) | - 90 |
| | 3 1 | | L | | Light C | | | : | | | | 7. | | | | | | | 42.00m (92.00m) | 2 |
| | 3. | | L | | | | | | | | Lu=3.7 | 14.1 | | | | | | | (1,22,1,311) | 3 |
| | , 4, 1,111-1,111 | | L | | | | | | | | 1 | | | | | | | | | 4 |
| | 9 Americanden | | L | | | | | 1 | | Chloritization in some places. Crack surface is not oxidated. | 1 | | | | | | | | | 5 |
| | 6 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | 2 | 2 | ` | | | 4.8.4 | 4.1 | | | | | | | 42.50m (96.00m) | - 6 - 7 |
| | 8 | · | | | | | | 2 | | 99.0-99.2m Cracky, C=3-4 | 13 | 14 | | | | | | | | - 8 |
| | 9 3 | | L | | | | | | | (· | Lu=6.4 | 14.2 | | : | | | | | 42.45m (90.20m) | 93 11. 11. 11. 11. 11. 11. 11. 11. 11. 11. |
| 752,03 | 100 } | | L | MANA | | Ļ | | | | End of the Borehore | <u>L</u> | | Ш | | <u> </u> | <u> </u> | | <u> </u> | L | 100 |
| | | | | | core los | ia 1 | | therd | (fatick) ~ 5 fs: dacony |), 2 (substick), 3 (piece), 4 (freqment), 5 (grain) of i) | | | | | | |) C OWER | | D ELOPMENT | CO., LTD. |

RQD

| ΑΥ | /ALI | PRO | OJECT | | | | | | | | | | | -111 | | | | | | |
|------|----------|-------------------|-------|------------------|----------|----------|---------------|-------------|--------------------|--|----------|--|------|------------------------|-----------|-------|-------------|----------|-------------------|---------------|
| 101 | ¥ | DAM | SITE | (LEFT | BANK) | | r | | DI DI | PPTH OF HOLE 100.00 RECTION OF HOLE 90° | | П | | COMMENCEI COMPLETEI | } 1 | | | | | |
| [](|)N | 926 v | .12 | | | | <u> 11</u> | <u></u> | CC | DRE RECOVERY | | % | • | DRILLED 1 | , - 3Y | | | | | |
| (IV | | <u>. Ф.</u> Ү: | | | | | | | DF | RILLING MACHINE | | | | | | | | | | |
| 7 | | | | | <u> </u> | | | (| BSE | RVATION OF CORE | | T | EST | HG. | щ | (2) | NOL | ₩. | | |
| | ЗЕРТН | ROCK NAME | 100 | CORE RECOVERY | | WEATHER | HARD- NESS | SPACING | ROCK EVALUATION | DESCRIPTION | LUGEON | Ртах | o. | DEPTH RESULT | BIT TYPE | CASIN | CEMENTATION | DRILL WA | G.W.L (Opt.II) | i i i |
| 1 | Om | .,,,, | | 0 → 100, | | | | | | Open excavation | | Kgi | /cal | | | | <u> </u> | % | | <u> </u> |
| | 1 | | X | | - | | | 3 | | 0,000 | | | | | | | | | | 1 |
| | 1 1 | cla | Ж | | 2 | | | , | | Oxidized joint surfaces : | | | | | | | | | | |
| | 2 -1 | Breceta | Х | | Grey | | | 1 | | Oxidized joint surfaces ; hard and sound. | | | | | | | | | | - 2 |
| ľ | 4 | oju | Ж | | Greenish | 3 | 2 | 3 | | | | l | Į | • | | | | | | <u>.</u> ب |
| | 3 1 | Volcanic | Х | | Gre | | | 2 | | | | | | | | | | | | |
| | 4 | > | Х | | | | | 3 | | | | | | | | | | | : | |
| | 1 | | L | | | | 3 | 4 | | Fractured zone | | | | | | | | | | <u>.</u> |
| | 2 1 | | L | | | | 2 5 3 | 3 | | | | | | | | | | | | į. |
| | 6 | | L | | | | | 3 | | | - | | | | | | | | | |
| | 1 | 9 | L | | | | | 2 | | | 13.2 | 0 | | | | | | | | |
| | 2 1 | Rhyol1te | L. | | Grey | 3 | | 3 | | Oxidized joint surfaces | Lu*13 | | | | | | | | | |
| | 8 | Rh | L | | | | 2 | 2 | | | | | | | | | | | | |
| | ما | | L | | | | | | | | 34.4 | 0 | | | | | | | | |
| | المعاملة | | L | | | | - | 2 | | | Į, m | - | | ļ | a | | | | | |
| | 10 | | L | | | | | 3 | | : | | | | | ф86mm | | | | | E |
| | 11 | | X | | | | | 2 | | | 13.3 | ٥ | | | | | | | | الماط |
| | وسعدان | | Х | | 1 | | | | | Oxidized joint surfaces : | Lus1 | | | | | | | | | |
| | 2 | | Х | | | | | 2 | | occasional chloritization in the rock. | | | | | | | | | 11.0m (12.00m) | |
| | 3 1 | Ø | Χ | | | | | 3 | | 1 . | 11.2 | 10 | | | | | | | | |
| | | 000 | Х | | Grey | | | 2 | | | Lu=1 | | | | | | | | | |
| | 4 | Volcanic Brecoia | Х | | 11 | 3 | 2 | 2 1 3 | | | - | - | | | | | | | | |
| | 2 | lcan | X | | Greenish | | | 1 | | : | 0.00 | 0 | | | | | | | | المدالة |
| | | 5 | X | | 0 | | | | | | Luz | | | | | | | | | سنتيي |
| | 6 ; | | Х | | | | | | | | | - | | | | | - | | 10 55 | Flore |
| | 7- | | Х | | | | | 2 | | | 8.0 | 10 | | | | | | | (16.60a) | المنط |
| | | | X | | | | | | | | Lues | | | | | | | | | بعطيت |
| | 8 | Ď | Ľ | | | <u> </u> | | э | | Oxidized joint surfaces : | \vdash | | | | | | | | | عيستيد |
| | 9 | Rhyol 1 te | L | | Grey | 2 | ,1 , | 1 | | | 6 7 | 0 1 | | | | | | | | turnd. |
| | 1 | Rhy. | L | | 8 | 3 | 2 | 3 | 1 | | 7=07 | " | | | 1 | 1 | | 1 | } | Ė. |

| Αì | YVAL,I | PR(| JECT | | | | | | ···· | | HOLE | | | | | | | | SHEE | | 5) |
|------------|-------------|-----------|----------|----------------------|-------------|-----------------|------------------|--------------|------------------|--|-------------------|------------|----------|---------|--|----------|--------|-------------|------------|--------------------|----------|
| LOCATIO | . AC | DAM | SITE | LEFT | BANK | | | | DE | PTH OP HOLE | 100.00 | | П | . (| COMMENCE | | | | | | |
| ELEVATI | | 926 | .12 | | | | | 1 | DI | RECTION OF HOLE _ | 90° | | | . (| COMPLETE | | | | | | |
| COORDIN | VATE | Х: | | | | | -/12-11 | | | | | | | | ORILLED ! | | | | | | |
| | | <u>Y:</u> | | | | | | | DR | ILLING MACHINE | | | | | LOGGED B | Υ | | | | | |
| 3 | | ME | (5 | 7 | | 14 | | , | BSE | RVATION OF CORE | | | | ESTI | NG | 96 | 93 | ATION. | ATER AN | | ;e= |
| EL EVATION | DEPTH | ROCK NAME | רסנ | CORE | | WEATHER- ING | HARD- NES | SPACK | ROCK EVALUATE | DESCRIPT | ION | LUGEON | Ртах | L,,,, | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | à | G.W.L. (Opt.H) | ОЕРТН |
| 906.12 | 20m | | | 0 - 100 % | | | | 1~ 2 | | | | | Kgf | /cai | | | | | % | | 20m |
| 900.12 | 1 - 2 - 2 - | Rhyolite | | | Orey | 2 5 3 | 3 3 | 1 2 | | | | Lu=6.8 | 10 | | | | | | | | 1 2 |
| | 2- | | Х | | | 2 | ı | 2 | | • | | 6 | | | | | | | | | |
| { | 3 | | Х | | | - | | 3 | | | | Lu#9. | o i | | | | | | | | -3 |
| | | | Х | | | 3 | 2 | ર્યાત્ર વર્ષ | | | | Ã | | | | | | | | 24 00m | |
| - | 4 - | | Х | | | " | 3 | 2~ | | Fractured zone Joint surfaces | ; oxidized | N | | | | | | | | 24.00m (24.00m) | 4 |
| İ | 5 - | | X | | | _ | ļ | 1 | | · | | Lu=29. | 02 | | | | | | | | -5 |
| | - | | Д | | | | 1 | 2 | | | | בָּהְ | | | | | | | | | |
| | 6 - | | X | | | | 2 | 3 | | | | - | _ | | | | | | 1 | | -6 |
| į | | | X | | | | | 3 | , | | | 0 | 0 17 | | l | | | | | | 7 |
| | 7 | | | | | | 1 | 1 | | Hard and sound | l | Lu=10 | " | | | | | | | | [] |
| ļ | 8 - | 8 7 | X | | | | Š | 1 1 | | 1.0 | | | | | : | | | | | 27.50m (28.00m) | 8 |
| | | Breccia | Д | | Grey | 2 | 2 | 2 | | | | ю | | | | | | | | | |
| | 9 - | | X | | l sh | 1. | | 1 | | | | Lusa | 0 | | | | | | | | 9 |
| 1 | | Volcanio | Ж | | Greenish | | 2 | 2 | | | | | | | | 86mm | | | | | 30 |
| | 30 | Vol | Х | | .0 | , | Ľ. | 3 | | Oxidized Joint | surfaces | 6 | | | | 8 | | | | | F 33 |
| | 1 - | | Х | | | | 1 | | | | | Lu=4. | o : | | | | | | | | <u>.</u> |
| | | | X | | | | , | 1 | | 1 | | 13 | | | | | | | | | |
| | 2 - | | X | | | | 2 | | | | | <u> </u> - | | | | | | | | | 2 |
| | 3 | | Х | | | 3 | _ | | | | | 4. 4 | 0 | | | | | | | | 3 |
| | | | X | | | | 2 | 2 1 3 | | | | Lu=4 | | | | | | | | | - |
| | 4 | | | | | | , | | | . * | | - | ├- | | | | | } | | | 4 |
| | | | X | | | | , | 5, | | · | | 4 | | | | | | | | 32,35m (34.50m) | Ł I |
| | 5 | | A | | | | 2 | 2 | | | | Lu=5 | 12 | | | | | | | | 5 1 |
| | 6 - | | Ä | | | | 2 | 3 | | Oxidized Joint | . surfaces | | | | | | | | | | 6 |
| . [| | | L. | | | | | | | | | O. | | | | | | | | | معاديد |
| | 7- | | L | | | | 1 | 1 | | Oxidized and c | occasionally | (n) | 2 | | | | | | | | 7 |
| | | 1 te | L | | | 3 | 2 | 2 | | pyritizated (2 surfaces: hard | l and sound, | Ä | | | | | | | | 32 00** | 1 |
| | 8 - | Rhyol1te | L | | Grey | | - | 3 | - | | | | T | | | | | | | 32.00m (38.00m) | 8 |
| | 9 - | 1 22 | | | | | 1 | <u> </u> | | | | 12 | 01 | | ļ | | | | | | 9 |
| | - | | | | | 2 | 1 2 | 1 | | | | Lu=2 | | | | | | | | | يتبلغيد |
| 866,12 | 40 | l | <u> </u> | 14441111 14441111 | 7 | 1: | <u> </u> | <u>_</u> | l | P option is noted | | 1 | <u>L</u> | <u></u> | <u>i </u> | | | | | L | F 40 |
| | | | | N | -core ic | 15-2 | 164 | liber |) ~B (4 | e), 2 iguidatiloid), 3 (plane), 4 Hred ofili Sicuedi | prent), 6 (grain) | | | | _ | | | | R DEV | D ELOPMENT | CO., LTD |
| | | | | l | ~ RGD | -# # | - 117 6 8 | Ul | | grant and the second | | | | | | | | | • | | |

| . · A' | YVÁLÍ | PR | OJECT | | | | | | | HOLE | No | • | SL | -111 | | | 15 | SHEE | r 3 of | 5) |
|-----------|-------------|-----------|----------|----------|----------|----------|---------------|---------|--------------------|---|---------|----------|-----------|-----------------|----------|--------|-------------|-------------|--------------------|------------|
| LOCATIO | | | SITE | (LEFT | BANK |) | | | | PTH OF HOLE 100.00 | | m | - (| COMMENCE |) _ | · | | | | |
| ELEVAT | | 926 | .12 | | | | 1 | 1 | DI | RECTION OF HOLE 90° | | | | COMPLETE | | | | | | |
| COORDIN | NATE | Х: | | | | : | | | | RE RECOVERY | | | | DRILLED 1 | BY _ | | | | | |
| | | <u>Y:</u> | | | | | | | DF | ILLING MACHINE | | | - | LOGGED B | Υ | | | | | |
| * | | 끭 | ပ | Α¥ | <u> </u> | 1 | اعت | , | | RVATION OF CORE | | 1 | EST | NG | ÞΕ | 9 | TION | ER ER | | <u>.</u> |
| ELEVATION | DEPTH | ROCK NAME | 0 1 | CORE | COLOR | WEATHER- | HARD- NESS | SPACK | ROCK EVALUATION | DESCRIPTION | LUGEON | Ртах | Pc | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATER | G.W.L (Opt.H) | DEPTH |
| | 40m | | | 0 → 100% | | | | | | | | Kgf | /cml | | | | | %_ | | 40m |
| 866.12 | 1630 | Ry | L | | Orey | 2 | 2 | 1 | | | 0 | | | | | | | | | |
| | 111 | | A | | ļ — | \vdash | | 2 | | | Luma | 0.1 | | | | | | | | 1 |
| | cape | Breccia | Х | | Grey | 2 | 1 | 5 | | 41.50m Fault: 1-2mm gouge | H | | | | | | | | 32.75m | |
| , | . 22 | 1 | Д | | ı | : | \$ | 3 | | | ω | | | | | | | | 32.75m (42.00m) | -2 |
| | 3 1 | 010 | | | Green1sh | 3 | 2 | 1 | | Some of the joint sur- | - | 10 | | | | | | | | 3 |
| | | Volcento | Х | | ဦ | 1 | - | 2 | | Some of the joint sur- faces are oxidized; occasional chloritization in the rock; hard and sound, | 3 | | | | | | | | | |
| | 4 | > | X | | ļ | - | | | | nare and sound, | _ | | | | | | | | | 4 |
| | e feet | | | | | | | | | | 9 | | | | | | | | | |
| | 57 | | L- | | | | | | | | Lu=4 | Ä | | - | | | | | | 5 |
| | 6- | | L | | | 1 | 1 | | | | _ | <u> </u> | | | | | | | | -6 |
| | e a a a a a | Rhyo11te | L. | | Grey | , | , | 1 | | | 0) | | | | | | | | 32 25m | |
| | 7 1 | Rhyc | L | | ថ | | | | | Hard and sound | Lu=2 | 0 | | | | | | | 32.25m (46.80m) | 7 |
| | 4 | | L | | | 2 | 2 | | | | 1 | | | | | | | | | |
| | 8 1 | | L. | | | | | | ! | | | | | | | | | | - | 8 |
| | 9 - | | L | | | | | | | | 7.4 | 10 | | | | | | | 49m | 9 |
| ļ | 444,1 | | Х | | | 3 | 3 | 3 | : | Oxidized joint surfaces | Luz | | | | ខ | | | | (Final) | |
| | 50 | : | Д | | | - | 1~ 2 | 1~ 2 | | • | | | | | #86mm | | <u></u> - | | | 50 |
| | 45111 | | Х | | | | | | | | 4. | 0 | | | 8 | | | | | |
| İ | 1- | | Х | | | | | | | | 7.u≖2 | = | | | | | | | | |
| | 2 - | | X | | | | | | | + - 2* | | | | | | | | | | -2 |
| | بالملامة | | Х | | | | | | | Occasional chloritization | | | | | | | | | | |
| . | 3 | | | | | | | 1 | | in the rock | ١ | ů | | | | | | | | 3 |
| | . 4 | Breccia | А | | | | 1 | 1 | | | | | | | | | | | 20 40m | |
| | 4 1 | | X | | Grey | | | | · | | | | | | | | | | 20.40m (54.00m) | 4 |
| | 5 - | пlс | Ж | | 1 | | , | | | | H | 0 | | | | | | | | -5 |
| } | 1 | Volcenic | Х | | Greenish | | | | | | Ä | | | | | | | | | _ |
| | 6 - | ^ | Ж | | ő | ļ | | | | | | | | | | | | | | -6 |
| | _ 1 | . : | Х | | | | 2 | | | | 6. | _ | | | | | ł | | | |
| | 7 - | | X | | | | | 1 | | | Lu≖o. | 10 | | | | | | | | - 7 - |
| | 8-1 | | × | | | | | 2 | | | Ĺ | _ | | | | | | | 34.25m (58.00n) | -8 |
| | , Letter | | A | | | | | | | | ဖ | | | | | | | | (movem) | |
| | 9 1 | | A | | | | | 1 | | | Lu=2. | 10 | | | | | | | | 9 |
| 886.12 | | | Ä | | | | | 25 | | • | ្រ័ | | | | | | | | | 60 |
| | | | <u> </u> | N K | | 1 | 1 | 4 | {gtick | e Griller's mite 4 1. 2 (eubstick), 3 jelooe), 4 (fragment), 6 (grain) | | I | - | · | = 5 |) [| | | , D | الاللامــا |
| | | | | | | | 1 | hord | | | | | | | | | | | FI OPWENT | co ito |

| A | YVALI | PR | <u>oject</u> | l. | | | | | | HOLI | | | | <u>-111</u> | | | | HEE | | 5) |
|-----------|---------|------------|--------------|----------------------|--------------------|-----------------|---------------|---------|-------------------|---|----------|------------------|----------|-----------------|-------------|--------|-------------|-----------------------|--------------------|-----------|
| LOCATI | ON _ | | | LEFT | | | | | | PTH OF HOLE 100.00 | | | | COMMENCE | | | | | | |
| ELEVAT. | 10N | 926 | <u>, 12</u> | | | | <u> </u> |] | | RECTION OF HOLE 90° | | | | COMPLETE | | | | | | |
| COORDIA | NATE _ | Х: | | | | | | | | RE RECOVERY | | | | ORILLED I | | | | | | |
| | | <u> Y:</u> | | | | | | | DF | ILLING MACHINE | | | _ | LOGGED BY | Y | | | | | |
| * | | ¥ | | \$ | | 12. | · | |)BSE | RVATION OF CORE | <u> </u> | T | EST | NG | m m | G | TION | ω <u>.</u> Σ | | _ |
| ELEVATION | DEPTH | ROCK NAME | L 0 G | CORE | 20102 | WEATHER- ING | HARD- NESS | SPACING | ROCK EVALUATIO | DESCRIPTION | LUGEON | У В В К | | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATER RETURN | G.W.L (Opt.H) | ОЕРТН |
| | 60m | | | 0 → 100 _% | | | | | | | | Kgf | /csi | | | | | % | | 60m |
| 866.12 | - India | | A | | | 1 | 1 5 2 | 1 | | | N. | | | | | | | | | |
| | 1 = | | A | | | - | - | · · · · | | | Lu=6 | 0.7 | | | | | | | | 1 |
| | 11,111 | | A | | | | 1 | , , | | | 1 | | | | | | | | 59 00m | |
| · | 2-1 | | А | | | | , | | | | 6 | | | | | | | | 52.00m (62.00m) | 2 |
| | 3 | | A | | | 2 | 2 | | | a | 1 . | 0 | | | | | | | | 3 |
| | 3 | | X | | | 1 | | | | | Lu=21 | | | | | | | | | |
| | 4 - | | X | | | | | 3 | | | - | | | | | | | | | 4 |
| | 11,111 | | 1 | | 201 | 3 | | | | Fractured zone: joint surfaces are oxidized. | 3.4 | | | | | | | | | |
| | 5 | | X | g IIII | | | 2 | 3 | | | Lu=13 | ដ | | | | | | | | 5 |
| ,] | 6- | | X | | | | | | | | L | | | | | | | | | -6 |
| | | | X | | | | | | | | 6 | | | | | | | | 60.00m (66.40m) | المالية |
| | 7 | | X | | | | \ \ \ \ \ | 1 | | | 1. =33 | B | | | | | | | | 7 |
| . | a la | · | A | | | | 3 | | | | 3 | | | | | | | | | |
| | 8- | | A | | | 1 | | 2 | | | | | | | | | | | | 8 |
| | 9-3 | 1. R | X | | ۱ , | 5 | 2 | 3 | | | Lu=20 | 0 | | | | | | | | 9 |
| | - 1 | Breccia | Х | | Se S | | | | | | 3 | | | | ۔ | | | | | 14.1 |
| | 70 - | L | X | | 1sh | 5 | 1 | 2-3 | | | <u> </u> | | | | #86mm | | | | | 70 |
| | 1 | can i c | A. | | reenish | | 2 | 3 | | | | | | | 8 | | | | | |
| | 1 7 | Vol | A | | Ö | | 2 3 | 3 | | | Luz | = | | | | | | | | |
| | 2 - | | A | | | | 3 | 2 | | Fractured zone | | | | | | | | | | 2 |
| ļ | | | A | | | | | | | | ~ | | | | | | | | | |
| - | 3 - | | X | | | | | 1 | | | Lu=0. | 10 | | | | | | | | 3 |
| | T T | | X | | | | | - | | fresh rock: occasional chloritization | H | | | | | | | | | |
| | 4 7 | | X | | | | ı | 2 | } | | | | | | | | | | | -1 E |
| | 5- | | X | | | | | | | | 0.0 | 10 | | | | | | | | 5 |
| | . July | | X | | | | | 1 | | | Lumo | | | | | | | | | |
| | 87 | | X | | | ١ | 5 | 2 | | | - | - | | | | | | | | E 8 |
| | | | | | | | | | | | 7 | | | | | | | | | بيينيك |
| | 7- | | A | | | | 2 | | | | Lu=1 | 2 | | | | | | | | 7 |
| | 8- | | X | | | | | |] | . • | _ | | | | | | | | • | . 8 |
| | | | Χ | | | | | 1 | | | 9 | | | | | | | | | 1 |
| .] | 9- | | X | | | | | - | | a en en en en en en en en en en en en en | Lu=1. | 2 | | | | | | | | 5 |
| .846.12 | 80 | | X | | | | | | | | ដ | | | | | | | | | E 80 |
| | | | | N K | 1 | + | 1 | +, | .L | > driller's nots ∢ 1. 2 (substick). 3 (piece). 4 (fragment). 5 (grain) | | | _ | <u></u> | |) i |) [| ا د | b | |
| | | | | | - 024 9 191 | 1 1 | | Pard | 3~6 (g | | | | | | | | | | ELOPMENT | CO., LTD. |
| | | | | | -ROD | | | | • | | | | | | | | | | | |

| AY | (VALI | PR | OJECT | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | HOLE | No. | | SL | -111 | | | 13 | SHEE | T 5 o | f 5) |
|-----------|---|---------------|--------|---------------------------------|--|-----------------|---------------|---------------|-----------|--|---------------------------------------|----------|------|------|-----------------|----------|-------------|--|-------------|--|---------------------|
| LOCATIO |)N _ | DAM | SITE | (LEFT | BANK | <u> </u> | | | | EPTH OF HOLE100.00 | | | | | COMMENCE | D. | | ······································ | | | |
| ELEVATI | ON j | 926 | .12 | | | | | 0 | D | IRECTION OF HOLE _90' | | | | | COMPLETE | 0 | | | | | |
| COORDIN | iate _ | Х; | | | | | <u> </u> | | | DRE RECOVERY | | | | | DRILLED | BY _ | | | | | |
| | | Y: | | | | | | | DI | RILLING MACHINE | | | | | LOCGED B | Υ _ | | | | | |
| Z | | 냁 | | ₹ | | 1. | ···· | | OBSI | RVATION OF CORE | | ļ | Υ | EST | ING | m | ,, | TO. | m.~ | | |
| ELEVATION | DEPTH | ROCK NAME | 100 | CORE | | WEATHER- ING | HARD- NESS | SPACING | EVALUATIO | DESCRIPTION | · · · · · · · · · · · · · · · · · · · | LUGEON | Рпах | РС | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATER | G.W.L (Dpt.H) | DEPTH |
| 846.12 | 80m | | Ä | 0 → 100 _% XXXXXXX | | | | | | | | | Kgf | /cnl | · | <u> </u> | | | % | | 80m |
| | 5 1 مىلىمىلىسىلى مىلىمىلىسىلىسىلىسىلى | | X X | | | | | 3 | | Slightly rough Joint faces: hard and so chloritization in th | sur- und; e | Lu:=33.2 | က | | | | | | | | 2 |
| | ي م ميناسيليسياسيا | | X X | | | | | 1 | | rock. | | Lu=2.2 | 10 | | | | | | | | 3 |
| | 9 9 11.11.11.11.11.11.11.11.11.11.11.11.11. | | X X | | | | 1 | 2 | | | | Lu=7.3 | 10 | | | | | | | 48.90m (36.00m) | ی م |
| | 7 8 | | XXX | | | | 5 | 3 | | Fractured zone | | Lum4.4 | 10 | | | | | | | (86.00m) | 7 |
| | 30 A STATE OF THE | canto Brecota | XXX | | sh Grey | Ī | | 2 3 | | Fractured zone | | Lu=4.1 | 10 | | | ø 8 6 mm | | | | | 90 |
| | 7 1 1200000000000000000000000000000000000 | Volcanio | XXX | | Greenish | | 2 | 1 | | | | Lu=8,1 | 10 | | | 98 | | | | | 1 |
| | 3 3 4 | | XXX | | | | | 2~3 | | Rough joint surfaces hard and sound; chloritization in the rock. | 1 | Lu=31.5 | 10 | | | | | | | | 3 |
| | 5 6 | | XXX | | | | 2 | 3 | | Fractured zone; 0.5 c | em Lhe | Lu=4.4 | 10 | | | | | | | | -5 |
| | 7 7 8 | | XX | | | | 1 5 - | 1 3 | | Joints | | Lu=14.3 | 10 | | | | | | | | 7 |
| 826.12 10 | ى سىلىسالىنىك | | XXX | | | | 2 1 3 1 5 2 | 3 | | Two 3-6cm thick fault zones at 98.8m and 98 with 0.5cm gouge. End of the Borehole | | Lu=4.1 | 10 | | | | | | | | - 8 - 9 - 100 |
| | | ٠ | F | | | 1 | 1 | | rticki. | e in mor's note e 2 trubstick). 3 ipiscal, 4 itragmenti, 5 igrak | 1 | | | | E | | | C | dn | ······································ | . <u></u> . |
| | | | 1/ | | iore loss RQD | 1 (| | 166 € -516 | | | | | | | | | | | | LOPMENT (| CO., LTD. |

| | AYVALI | PI | QJECT | | | | | | | ·-· | | HOLI | | | | -103 | | | 1. | SHEE | T 10 | f 10) |
|-----------|---|------------|----------|---|--|---------------|----------|--------------|----------|-------------------|--|-----------------|--------|------|-----|-----------------|----------|--------|--------|-------------|------------------|------------|
| | 10% | | | | HT I | BANK | | | · · | | EPTH OF HOLE | | | | | COMMENCE |) _ | 82 | -06· | 28 | | |
| ELEVA | TION | 997 | ,41 | · | | | , | Î | 1 | D) | RECTION OF HOLE | | | | | COMPLETE |) _ | 82 | -11- | 20 | | |
| COORD | INATE . | X:4 | 51428 | 6.44 | | | | | | | | | | | | DRILLED : | ~ | | | | | |
| | | Υ:4 | 93454 | .63 | | | | | | DI | RILLING MACHINE | | | | | LOGGED B | Y _ | | | | | |
| ₹ | _ | ¥. | C5 | à | ; | | oʻc. | (0 | (5 | DBSE 종 | RVATION OF CORE | | | Γ | EST | ING | 3 | 5 | TION | NER N | | æ |
| ELEVATION | DEPTH | ROCK NAME | 1.0 | CORE | ــــــــــــــــــــــــــــــــــــــ | COLOR | WEATHER- | HARD- NES | SPACIN | ROCK EYALUATII | DESCRIF | TION | LUGEON | Paex | | DEPTH RESULT | BIT TYPE | CASING | CEMENT | DRILL WATER | G.W.L (Opt.H) | ОЕРТН |
| 997.4 | Om | | L | 0 → 100 | TĬŤ | la. | 4 | 4 | 5 | | Highly weather | red | - | Agr | /cm | | | | | % | | Om |
| | 2 | | | | | : | | | 4 | | Fragments Crack surface | | | | | | | | | | | 2 |
| • | 3 | | L | | 111. | Greenish Grey | 3 | 3 | 3 | | | | | | | | | | | | | 3 |
| | 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | Ö | 4 | | 4 | | | | 1 | 1 | | | | | | | | 5 6 |
| | 8 | | L | | | | | 2 | 2 5 | | Crack surface oxidized | is strongly | | | | | | | | | | - 7 - 8 |
| · | 10 | Rhyol 1 te | L | | | rey | | 3 | 3 | | Some vertical | joints | | | | | \$86mm | | | | | 9 |
| | S. Lensthern Lenstern | | L | | } | Greenish Gr | 3 | 2 | 3 | | | | 44 | | | | | | | | | 2 |
| ٠. | 3 4 4 11 11 11 11 11 11 11 11 11 11 11 11 | | L | | | | - | 3 | 3 1 4 | | Fregments and | pieces | ru'=4 | 9 | | ! ! | | | d | 'n | | 3 |
| ÷ | 9 5 8 | •. | L | | | | | 3 | 3 | | | | Lu>25 | 01 | | | | | | | | 5 |
| | ى بىدىلدىدىكىدىدلىدى | | | | - 8 | Grey | | 2 | 2 3 | | Fragment only Crack surface | is exidized | Lu>25 | 10 | | : | | | | | | 7 |
| 977.41 | 8 8 1 | | | | | Brownish | 3 | 2 5 | 3 | | Piece and larg | ge fragments | Lu>25 | 10 | | | | | | | | 8 |
| | | | <u> </u> | \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 7 | L | 1 | † | +, | | > driller's note « . 2 (substick), 3 (piece), 4 (frac | menti E ioraini | | 1 | 1 | <u> </u> | | | | (H | 9 | 1 6V] |
| | | | ł | 71 8 | | e losa | . i | | (१४वर ८) | ~5 (so econp | (t) | | | | | | | | | | ELOPMENT | CO., LTD. |
| | | | | 1 | RC | ŹΩ | | | | | | | | | | | | | | | | |

| | | ÷ | | | GI | ΞΟ |) [(|) C | àΙC | LOG OF DRILL | H(|)L | E | | | Pa | ng (| 2 | | 4-1 tuda al F tud F |
|-----------|---|-----------|---------------|----------|------------------|----------|---------------|-------------|--------------------|--|----------|------|-----|------------------------------------|----------|--------|-------------|------------|--------------------|---------------------|
| A | <u>yvali</u> on | ~~~~~ | OJECT SITE | (RICHT |) BAN | K) | | | | EPTH OF HOLE 185.20 | | n | _ | -103 COMMENCE | | 82 | | HEE 28 | T 2 of | f 10) |
| ELEVAT | 10N | X:4 | | 6.44 | | | | 1 | £ | RECTION OF HOLE 90° ORE RECOVERY RILLING MACHINE | | ×, | _ | COMPLETE DRILLED I LOGGED B' | BY _ | | rasl | ir | | |
| 1 | | | 93454 | | 1 | | | | | RILLING MACHINE RVATION OF CORE | 1 | | EST | | | 30 | | | | |
| ELEVATION | ОЕРТН | ROCK NAME | LOG | CORE | COLOR | WEATHER- | HARD- NESS | SPACK | ROCK EVALUATION | DESCRIPTION | LUGEON | Ржах | РС | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATE | G.W.L (Opt.H) | оерти |
| 977.41 | 20m | | | 0 → 100% | | - | | | | | \vdash | Kgf | /cm | | ļ | | | % | \ | 20m |
| | 1 | | L | | | | 2 32 | 5 | | | Lu<1 | 01 | | | | | | | | 1 |
| | 3 | | | | Brownish Grey | 3 | 2 | 2 | | 22.25-22.40 Sheared zone Core surface and cracks are brown. | Lu>25 | 0.1 | | | | | | | | 2 |
| | ح 22 ماريخياجيدياجيدياجيد | | | | . Pa | | | 3 | | 22.00-23.00 Vertical joint | Lu=20 | 10 | | | | | | | | 5 |
| | 9 2 2 8 | | L | | | 2 | 2 | 2 | | | Lu=9 | 1.0 | | | | | | | | 7 |
| | 30 3 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1 | Rhyolite | L | | Grey | 3 | | | | | Lu=4.5 | 10 | | | ø86mm | | | | 28.00m (30,00m) | 9 |
| | 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Rhyc | L L L | | to Brownish G | 3 | 3 | 3 | | Many brownish hair cracks | Lu=18.5 | 10 | | | 98¢ | | | | (#00 , 00 | 1 |
| | 3 4 10 11 11 11 11 11 11 11 11 11 11 11 11 1 | | | | Light Grey t | 2 | 1 | 1 | | Generally crack surface is oxidized. | | | | | | | | | 23,40m (32,90m) | 3 |
| | 9 2000 - 1 | : | | | | 3 | 3 | 4 2 | | | Lu=13 | 1.0 | | | | | | | 28.10m (36.00m) | 5 |
| · | المتطاعية المتالية | | | | | | 3 1 2 | 2 | | | Lu=11.5 | 10 | | | | | | | | -7 |
| 957,41 | 8 9 9 40 | | | | Grey | 3 | 3 | 2 1 3 | | 37.60~38.00 Small fragment,silt and small grains along crack surface. | נ≖חין | 10 | | | | | | | 28,40m (33.00m) | 8 |
| | <u> </u> | 1 | <u> </u> | | | 1 | | +, | | > driffer's mate 4 . 2 isubstick). 3 (piece). 4 (fragment). 5 (grain) | I | | 1 | E | | | | : la | | 10 |
| | | | r. | | oere les -RGD | • a 1 | lfræei | (hard) | ~6 tao | ft) | | | | | | | | | LOPMENT | CO, LTD |

| ٠ | VALI | PR(|)JECT | | | | | | | 1101.1 | : No | <u>. </u> | SL | -103 | | | <u> 1 S</u> | HEE | <u> </u> | 10) |
|-----------|--------------------|-------------------------|-------|------------------|---------------|-----------------|---------------|------------------|--------------------|--|--------|--|-----|---------------------------------------|----------|-------------|-------------|-------------|-----------------------------|--------------|
| LOCATIO | | DAM | SITE | RIGHT | BANI | () | | | DE | PTH OF HOLE 185.20 | | M_ | . 1 | COMMENCEL |) _ | 82- | -06- | 28 | | |
| ELEVATI | | | , 41 | | | | | | DI | RECTION OF HOLE 90° | | | . (| COMPLETE! |) _ | 82- | -11- | 20 | | |
| COORDIN | IATE | | | 6.44 | | | | | CC | RE RECOVERY | | % | _ | DRILLED B | 37 _ | C. 7 | <u>rask</u> | ìr | | |
| COORDI | | | 93454 | | | | | | DF | ILLING MACHINE | ····· | | | LOGGED BY | ′ – | Sul | kru | <u>Bay</u> | | |
| | | | | | | | | C | BSE | RVATION OF CORE | | ī | EST | NG | ۳ | ., | ĕ | ű, | | |
| ELEVATION | DEPTH | ROCK NAME | ១០។ | CORE RECOVERY | COLOR | WEATHER- ING | HARD- NESS | CRACK SPACING | ROCK EVALUATION | DESCRIPTION | LUGEON | Ртах | L | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATER | G.W.L (Opt.H) | DEPTH |
| | 40m | | | 0 -> 100% | | | | | | | - | Kgf | /cm | · · · · · · · · · · · · · · · · · · · | | | | % | | 40m |
| 957.41 | 1 7 | | | | | | 4 | 4 | - | Sheared zone Mainty small fragments Easily broken into small grains | Lu<1 | 10 | | | | | | | | 2 |
| - | 3 | | | | Grey | 4 | 3 | 3 | | | Lu<1 | 0.7 | | | | | | | <u>26.00</u> m (43.30m) | 3 |
| | 5 - | | L | | | | 4 | 4. 5 | | | Lu<1 | 10 | | | | | | | 25.00m (46.00m) | 5 |
| | 6 - 7 - | | L | | | | | 4 | | | Lu=1.6 | 10 | | | | | | | (46.00m) | 7 |
| | 8 - 9 - 50 - | Anyo 11 te | | | | | 3 | 2 5 | | Many brownish hair cracks | , | | | | 486mm | | | | 25.00m (48.00m) | 8 9 5 5 0 |
| | 1 - | Rhyo | | | Brownish Grey | 3 | 1 | 4 | | Crack surface is oxidized | | 10 | | | 8 9 | | | | 50.00m (52.00m) | 2 |
| | 3 - | | | | | | 3 | 2 | | CPACK BILLIAGO 13 OKTOBAK | Lu>23 | 10 | | | | | | | | 3 |
| | 5 | | | | | | | 2 | | | Lu>25 | 10 | | | | | | | 32,00n (56.00m) | 9 6 6 |
| | 7 | بيداريم الأجددية فجيداء | | | Greenish Grey | 5 | 2 | | | Crack surface is slight!; weathered. | Lu<1 | 10 | , | | | | | | | 2 8 8 |
| 937,41 | 9 : 60 | 7 | | | G | | 3 | 2 3 | | | Lu<1 | 10 | | | | | | | 35.000 | 60 0 |
| • | | | | | 3 | İ | 1 | l diar | l (etic di-5i | is driver's note 4 kt. 2 (substick). Stpleool, 4 tiregment). 5 (grein) coft) | | | | | E | | | | (1) Velopment | CO, LTI |

| AYVAI | ı.I | PRO | JECT | | | | | | | | HOL | E No | · | SL | -103 | | · | 1.5 | HEE | <u>f 4 of</u> | 10) |
|--------------------|--|------------|-------------|---------------------------------|------------|-------------|---------------|--------|--------------------|--|--|---|------|------|------------------------|----------|--------|---------------------|-------------|--------------------|--|
| LOCATION | | DAY | SITE | (RIGHT | BANK | () | متعنعد | au-s | | PTH OF HOLE | | | | • | COMMENCE | - | | | | | |
| ELEVATION | | 997. | 41 | <u>.</u> | <u>:</u> - | | n | | | RECTION OF HOLE | | | | • | COMPLETEI | | | | | | ************************************** |
| COORDINATI | | | | | | | | | | RE RECOVERY | | | | - | DRILLED I LOGGED B' | _ | | rasa kr <u>u</u> | | | |
| | | | 3454 | | | | | | | RVATION OF CORE | | T | | ESTI | | | | | | | |
| ELEVATION | | ROCK NAME | LOG | CORE RECOVERY | COLOR | WEATHER- | HARD- NESS | , | ROCK EVALUATION | DESCRI | PTION | LUGEON | Ртех | РС | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATER | G.W.L. (Opt.H) | СЕРТН |
| 60 |)m | _ | | 0 -> 100 _% | | | | | | | ······································ | ļ | Kgf | /cm | | | | | % | | 60m |
| 937.41 | | : | | | | | 3 | 2 5 3 | | 61.20-61.60m | Cracky | Lu=20 | 10 | | | | | | | | |
| 1 | ميدانيدان | | L | 17 (XXXX) | | 5 | 2 | 2 | | | | | | | | - | | | | | N Shoulton |
| : | المعلوم بولورد بالمعلوم بولورد | | L | | | | 3 | 4 | | Cracky | | Lu </td <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>36.00m (63.00m)</td> <td>3</td> | 10 | | | | | | | 36.00m (63.00m) | 3 |
| | و ماستماستان | • | L L | | | | | 2 | | | | Lu<1 | 10 | | | | | | | 36.00m (64.45n) | 1 |
| | գ անաակա | Rhyol 1 te | L L | | | | | 2 | | Crack surface | : Is not | | | | | | | | | | 6 6 |
| | 4 | | L | | | | | 3 | | | | Lu </td <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> | 10 | | | | | | | | 7 |
| | و مستطيعية | | L | | ž. | | | | | | | | | | | | | | | 36.00m (68,00m) | 8 |
| . ! | S naturatura | | F. | | Light Grey | | | | | | | Lu<1 | 10 | | | \$8emm | | | | | 70 |
| 7 | 0 ولىسىماسىما | | L L X | | Ţ | 5 , | 2 | | | Contact is ac | thought | Lu<1 | 10 | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| | 3 3 3 7 7 7 | ۷ъ | X | | | | | 2 | | Volcanie bred | ecia | 5.6 | 10 | | | | | | | 36.00m (72.00m) | 2 |
| | ا سنطستن سنطستن | | L. | | | 2 | | | | | | Luza | | | | | | | | | المستقدية مسلسلس |
| | 2 . | lite | | | | | | | | | | Lu=4.1 | 10 | | | | | | | | 5 |
| | 6 7 | Rhyol | L | | | | | | | | | Lu=3 | 10 | | | | | | | | 7 |
| | 8 بالتيرانيي | | L | | | 2 | 2 | 2 | - | Fragments | | - | - | - | | | | | | | 8 |
| | 0. בקובו בניובנים | Vb | X X | | 237.1 | 2 1 3 | 2 | 3 | | | | | 10 | | | ¢76mm | | | | | 9 (1) (1) |
| <u> 917.41 8</u> | <u>10 - </u> | | | | Core I | | 1410 | i ther | dì~6€ | ► dr#let's note 4 iki, Z (substick), 3 (piece), 4 if eaft) mpoussil | requent). B (grein) | | | L | | ELECT | | | | (†) VELOPMENT | |

<u>Page</u>

| A | YVALI | PR | OJECT | | · . | | | | | HOLI | | | | -103 | <u></u> | | 1. | SHEE | l <u>' 5 o</u> 1 | <u> 10)</u> |
|-----------|----------------|------------|----------|-----------|------------|-----------|------------|-------|------------------|---|--------|------|--------|-----------------|----------|--------|-------------|-------------|------------------|---------------|
| LOCAT1 | 01, | DAV | SITE | (RIGH | T BAN | <u>K)</u> | | | | EPTH OF HOLE 185.20 | | | | COMMENCE | - | 82 | | | | |
| ELEVAT | | | | *, | | | | | | IRECTION OF HOLE 90° | | | | COMPLETE: | - | | | 20 | | |
| COORDI | NATE _ | | | 6.44 | | | | | | ORE RECOVERY | | | | DRILLED I | | | | | | <u>-</u> |
| | | <u>Y:4</u> | 93454 | .63 | | | | | | RILLING MACHINE | | | _ | LOGGED B' | í _ | Su | | <u>Bay</u> | | |
| Š | 35 | IAME | Ö | , i | - | À | 52 | 2 | 08SI | ERVATION OF CORE | 32 | | EST | | λbε | SK | CEMENTATION | ATER IRN | G.W.L (Opt.H) | Æ |
| ELEVATION | DEPTH | ROCK NAME | 0 | CORE | COLOR | WEATHER- | HARD | CRACK | 200 | DESCRIPTION | LUGEON | Равх | 9 0 | DEPTH RESULT | BIT TYPE | CASING | NEW. | RET | G.W.L (Opt.H) | DEPTH |
| ш | 80m | <u>.</u> | | 0 -4 1004 | | * | 12 | 5 | 1 | | ļ | Kgf | /cni | | | | ឌ | ā % | | 80m |
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| | | | Д | | | 2 | | | | 82.00-82.20m Fragments 83.30-83.50m Fragments | Lu=13 | | | | | | | | | |
| | 2 | | Δ | | | 3 | 2 | 3 | | 83.30-83.50m Fragments | - | | | | | | | | . • | -2 |
| | 1 | | X | | | 3 | | | | | 10 | | | | | | | | | |
| | 3 - | | | | | | | | | · | Lu=10 | 10 | | | | | | | | 3 |
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| | 1 | | X | | | 3 | 3 | 4 | | Crack surface is exidized | e e | | · | - | | | | | | |
| | 2 1 | | X | | | " | 1 | | | | 12002 | 0,1 | | | | | | | | - 5 |
| | | | Д | | | | | | | | H | | | | | | | | | |
| | 6 1 | | Д | | | 2 | 2 | 3 | | | | | | | 1 | | | | | -6 |
| | 7 - | | Х | | | 3 | | | | | Lu=19 | 0 | | | | | | | | 7 |
| | | | X | | | | ļ | | | · | 깈 | | | | | | | | | |
| | 8 = | | X | | | | | | | Many sulphur spots in core. | | | | | | | | | | 8 |
| ļ | 7 | a j | X | | | | | , | | Some pyrite | o. | _ | | | | | | | | |
| | 9 J | Brecela | | | Grey | | | | | | Lumo | 10 | | | | | | | | 9 |
| | 90 | | X | | 11 | | | | | | | | | ; | ¢76mm | | | | | 90 |
| | 1 | Volcanic | Х | | een ish | | | | , | | | | | | 6 | | | | | |
| | 1 7 | Volc | X | | Gre | | | | | | Lu<1 | 10 | | | į | | ! | | | 1 |
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| | . 41 | | X | | | , | | | | | 1 | | | | | | | | • | |
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| | | | Α | | | | 3 | 3 | | | Ft | | | | | | | | | |
| | 7 | | X | | | | - | 4 | | | Lu<1 | 10 | | ļ | | | i | | | 7 |
| | 8 | | X | | | | | | | | | | | | | | ; | | | -8 |
| | سينلس | | X | | | | 3 | 2 | | | | | | | | | : | | | |
| | 9 | | Х | | | | | | | | ไน≂2 | 10 | | | | | | | | 9 |
| 897.41 | 100 j | | Д | | | | | | | | ~ | | | į | | į | | | | |
| | 1 | | <u> </u> | | 1 | 1 | لىكنا ا | لها | (atick | ▶ Griffer's note ∢ 1. 2 (substick). 3 (piece). 4 (fragment). B (grain) | | | LI | | - C |) } | 1 | # | | <u> 100</u>] |
| | | | ř | | - core los | ⊺ 89 1 | (frest | thand | -B (sc Jacoms | in and a second | | | | | | | | | LOPMENT | CO., LTD. |
| | | | | | -ROD | | | | | | | | | | | | | | | |

| A | YVALI | | <u>oject</u> | | : . | · · · | - | | | | | OLE No | | | -103 | | | 15 | HEE | T 60 | <u>f 10</u> |
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| OCAT I | 0N | DAM | SITE | (RI | GHT | BANI | () | | | | EPTH OF HOLE 185,20 | | | | COMMENCE | - | 82 | | | · · · · · · · · · · · · · · · · · · · | |
| ELEVAT | 10N | 997 | . 41 | | | | | <u>f</u> | <u>i</u> | | RECTION OF HOLE 90' | | | | COMPLETE | - | 82 | • | | | |
| COORDI | NATE _ | | | | | | | | | | ORE RECOVERY | | | | DRILLED | _ | | | | | |
| | · - | <u>Y:4</u> | 93454 | .63 | | | | | | **** | RILLING MACHINE ERVATION OF CORE | | | EST | LOGGED B |) | | | Bay | | |
| ELEVATION | DEPTH | ROCK NAME | <i>ນ</i> | CORE | OVERY | ğ | HER- | ESS | X.0 | ATION PATION | DESCRIPTION | LUGEON | Ртах | 1 | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | TURN | G.W.L (Opt.H) | DEPTH |
| <u> </u> | 路 | ROC | 'n | | | כטרסצ | WEATHER- | HAR | CRAC | EVA. | DESCRIPTION | 3 | <u> </u> | <u> </u> | RESULT | Ti8 | Ö | CEME | | (Opt.H) | ລ |
| 397.41 | 100m | | X | 0 → 1 7H | 00% | | | | 4 | | · · · · · · · · · · · · · · · · · · · | | Kgi | /cel | | | | | % | | 100 |
| | | | X | | | | | | 2 | | Sulphur in many spots | 7 | 0 | | | | | | | 49 00m | Ē |
| | 1 | | | | | Grey | | | 3 | | | Lu<1 | Ä | | | | | | | 49.00m (101.00m) | ۱ ا |
| | 2 | ٠. | Δ | | ,,, | | 3 | 3 | Ľ | | · . | | | | | | | | | 49.60m (102.00m) | - 5 |
| | | | Д | | | Greenish | | | | | | | | | | | | | | (Re. Our | E |
| | 3 - | | Δ | | | ថ | | | 2 | | | 17 Tark | 9.7 | | | | | | | | E 3 |
| | | | Χ | | | | | | | | | | | | | | | | | 48.50m (104.00m) | Ė, |
| | - - - - - | | χ | | | | | | | | | | | | | | | | | (104,00m) | |
| | 19. 19.11.10. | | Х | | | | | | | | No sulphur | Luc; | 0 | | | | | | | | 5 |
| | 1 | | Д | | | Grey | | | | | | | | | | | | | | in as | |
| | 6 - | | Σ, | | | ų | 2 | 2 | , | | | | | | | | | | | 49 00m (106 00m) | - 6 |
| | 7 - | | Д | | | Ligh | | | | | | Lu<1 | 0 | | | | | | | | . 7 |
| | . 11 | | Δ | | | | | | | | | - | | | | | | | | | E E E |
| | 8 - | | Δ. | | | | | | | | | \vdash | | | | | | | | | - 8 |
| | 4 | វន | Δ | | | | | | | | | 12 | 0 | | | | | | | | Ē |
| | , , | Breco | | | | | | } | | | Sulphur spots in many | 3 | | | | | | | | | [" |
| | 110- | | X | | | | | | | | places | | | | | ø76mm | | | | 49.00m (110.00m) | 11 |
| | 11111 | Volcanic | Х | | | | | | | | | 4. | | | | 9 | | | | | |
| |) | Vol | X | | | + : ¹ | | | | | | Lu=2 | 1.0 | | | | | | | | 1 |
| | 2 - | | Х | | | - | 3 | 3 | 2 | | | | | | | | | | | | -2 |
| • | in line. | . : | Ä | | | | | | | | | | | | | | | | İ | | |
| | . 3 | | Α | | | 5. | | | | | | Luci | 5 | | | | | | | | -3 |
| . | 1 | | Δ | | | Grey | | | | | | | | | | | | ļ | | 49.00m | <u>.</u> |
| | 4 4 4 4 | | Δ | | | Ish | | | | | | | | | | | | | | 49,00m (114.00m) | 1 |
| | 5 - 3 | | X | | | Greenish | 3 | 3 | 3 | | | Lu<1 | 10 | | | | | | | | 5 |
| | 1 | | А | | | G | \$ | , | ١, | | <i>*</i> | 12 | | | | | | | | | |
| | - 6 - | | Х | # | | | 1 | 1 | 1 | | | | | | | | | | | | 6 |
| | 7 | | X | | | | | | | | | 2 | 0 | | | | | | | 48.50m (117.00m) | 7 |
| | 41.44 | | Д | | | | 3 | 3 | 3 | | | Lu=: | 1 | | | | | Í | | (117.00m) | |
| | 8 - | | | | | | | | _ | | | | | | | | | | | | . 8 |
| | | | X | | | | 2 | 2 | | | · | e e | | | | | | | | 51 8% | <u> </u> |
| . | 9 7 | | X | | | | ز 3 | 3 | 5 | | | Lu<1 | 0.1 | | | | | | | 51.00m (119.00m) | 9 |
| 77.41 | 120 | | X | | | | Ļ | L | Ļ | | | | L | | <u> </u> | <u> </u> | | | | <u></u> | 12 |
| | | | į | | [] | | Ť | Ì | i finand | lstick | > driller's note < I. 2 (substick), 3 (piece), 4 (freqment), 6 (grain) | | | | E | E. | | C | l di | Ð | |

| A | YVALI | | <u>OJECT</u> | | | | | | | NULE. | | | | -103 | | | | nrr | 1 / UI | 10] |
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| LOCATI | 0N . | DAM | SITE | (RIGHT | BANK | <u>()</u> | | | | EPTH OF HOLE 185.20 | | m | | COMMENCEL | _ | | <u>-06-</u> | | | |
| ELEVAŤ | ION | | .41 | | | | | <u></u> | | RECTION OF HOLE 90° | | | | COMPLETEU | _ | | -11- | | | |
| COORDI | NATE | | | 6.44 | | | | | | RE RECOVERY | | | | DRILLED E | | <u>C.</u> | | | | |
| | | Y:4 | <u>93454</u> | .63 | | | | | | ILLING MACHINE | | | | LOGGED BY | <u> </u> | Su | kru | | | |
| ž | | , WE | U | }. | | ند | | (5 | DBSE | RVATION OF CORE | | | ESTI | NG | Э <i>Е</i> . | 2 | TION | 25 25 25 25 25 25 25 25 25 25 25 25 25 2 | | æ |
| ELEVATION | DEPTH | ROCK NAME | - 0 | CORE | | WEATHER- | HARD NES | SPACK | EVALUATIO | DESCRIPTION | LUGEON | Ртвх | Pc | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | ä | G.W.L. (Opt.II) | DEPTH |
| 877.41 | 120m | | X | 0 → 100 _% XXXXXII | | | | | | | | Kgf | /cal | | | | | % | 51,00m (120,30m) | 120m |
| | | | | | | | | | | Crack surface is slightly oxidized, sulphur in some places | | | | | | | | | (120.30m) | |
| | 1 - | | Ä | | | 2 | 2 | | | . • | Lu=2 | 10 | | | | | | | | 1 |
| | - | | X | | | , | , | 2 | | | | | | | | ! | | | | -2 |
| • | 2 - | | Х | | | | , | - | | | 7 | | | | | | | | | |
| | 3 - | | Χ | | | 3 | 3 | | | | Lu=1. | 0 1 | | | | | | | | 3 |
| | 1111 | | Х | | | | | | | | ij | | | | | | | | | |
| | 4 | | Х | | | | | | | | | | | | | | | | ļ | 4 |
| | - | | X | | | | | 2 | | Crack surface is oxidized | ٠, | c | | | | | | | | |
| | ត_ | | | | | 3 | 3 | , | | | Lu=1 | - | | | | | | | | - 5 |
| | 6- | | Ä, | | | | | 3 | | | | | | , | | | | | 51.00m (126.00m) | -6 |
| | 1 | · | Д | | | | | | | | Ċ. | | | | | | | | , | |
| | 7 | | Х | | | <u> </u> | | | | : . | u=1 | 10 | | | | | | | | 7 |
| | 1 | | Д | | | | | ; 2 | | Crack surface is oxidized | ü | | | | | | | | | |
| | 8- | | χ | | | | 2 | 3 | | | | | | | | | | | | -8 |
| | 9- | 318 | Д | | ١, | 3 | , | <u> </u> | | | Lu<1 | 0 | | | ! | | | | | 9 |
| | 1 | Brecols | Ж | | Grey | | 3 | 1 | | | ជ | | | | £ | | | | | |
| | 130 - | | X | | 1sh | | | 3 2 | | | | | | | Փ76mm | | | | 51.00m (130.00m) | 130 |
| | 1 | canic | Д Ж | | reenish | | | | | | ~ | | | | 9 | | | | | |
| , , | 1 | Vol | Д | | ő. | | | | | | Lu< | 10 | | | | | | | | |
| | 2 - | | A | | | 3 | 3 | 3 | | 132.00-132.50 Fragments | | | | | | | | | 51.50m (132.00m) | -2 |
| | - 1 | - | Д | | | | | | | | | | | | | | | | (ESS.SUM) | |
| | 3 | | Ж | | | | | | | | Lu<1 | 10 | | | | | | | | 3 |
| | 1 | | X. | | | 3 | :3 | 2 | | Cracks are oxidized. | 1 | | | | | | | | ED 30- | |
| | 47 | | Ж | | | | | | | | - | | | | | | | | 59.00m (134.00m) | 1 |
| | 5 | | X | | | | | | | | Į. | 0 | | | | | | | | - 5 |
| | , 4111 | . : | X | | | | | | | | Luc | ~ | | | | | | | | |
| | 6 T | | | | | | | | | | | ļ | | | | | | | 53.70m (136.00m) | 6 |
| | 1771 | | ,Δ; | | | | | | | | | | | | | | | | | |
| | 7 | | Δ | | | | | | | | 1.U. | 0.1 | | | | | | | | - 7 |
| | 8 | | Ж | | | 2 | 2 | 1 | | | | | | | | | | | 55.00m | -8 |
| | 2 | | Ж | | | | | | | , | | | | | | | | | (138.00m) | |
| | 9-1 | | Ж | | | | | | | | Lu<1 | 01 | | | | | | | | - 9 |
| 0.00 | 1 | 1.4 | Х | | | | | | | · | 1 | | | | | | | | | 1 |
| <u>857,41</u> | 1140 - | | <u> </u> | 17. VA MRANN | <u> </u> | 1 | • | <u> </u> | L | r driffer's nate 4 | L | L | i | • | <u></u> | | - | ا ما ها | <u></u> | E 140 |
| | | | | | -care los | | | Chard | l (stick I) ~15 (s decom | | | | | _ | |)[816 P | | | D ELOPMENT | CO., LTD |
| | | | | L | ROD | ' | 0*I | . 40 | | · | | | | | | | | | | |

| | | | | | GE | ΞO | Ĺ(| ЭG | iIC | LOG OF DRILL | HC |)L | E | | | <u>Pa</u> | ıge |) | | |
|-----------|----------|-----------|----------|------------------|---|----------|---------------|----------|-----------------|---|--------|------------------|--------|-----------|----------|-----------|-------------|--|---|----------|
| 1 | YVALI | PR | OJECT | | | | | | | HOL | E X0 | ı., | Sl. | -103 | | | [S | HEE | r 8 of | 10) |
| LOCATI | | | | (RIGH | II' BANI | K) | | -Company | | | | DI . | - | COMMENCE |) _ | 82 | -06- | 28 | · · · · · · · · · · · · · · · · · · · | |
| ELEVAT | 108 | 997 | | | | | | 1 | | RECTION OF HOLE 90' | | | | COMPLETE | - | | 11- | | NAME OF THE REPORT OF THE PROPERTY. | |
| COORDI | NATE _ | | | 6.44 | · — · · · · · · · · · · · · · · · · · · | | | | | RE RECOVERY | | * | | DRILLED I | ~ | | | | | |
| | | | 93454 | T | | | | | | ILLING MACHINE RVATION OF CORE | | | EST | LOGGED B |) | 501 | | Bay | | |
| NO. | <u> </u> | MAME | <u>ပ</u> | CORE RECOVERY | 2: | 83 | SS | | 3 | | 8 | r | | DEPTH | BIT TYPE | CASING | ITATIO | WATE: | 0 111 1 | ОЕРТН |
| ELEVATION | DEPTH | ROCK NAME | 7 | SECO | COLOR | WEATHER- | HARD- NESS | CRACK | ROC | DESCRIPTION | LUGEON | P B B X | g O | RESULT | 1 | ΩĄ | CEMENTATION | 98 198 198 198 198 198 198 198 198 198 1 | G.W.L (Dpt.H) | DE |
| | 140m | | | U → 100 | -4 | | | Ĺ | | | | Kgf | /cni | | | | | % | | 140m |
| 857.41 | 1 | | X | | | | | 3 | | | | | | | | | | | 62.50m | - |
| | 1 1 1 | | Д | | | 2 | 2 | - | | | Luc: | 10 | | | | | | | (Final) | - 1 |
| | 1 | | Х | | | | | 1 | | | | | | | | | | | | 2 |
| | 2 - | | X | | | | | _ | | | ıo | | | | | | | | | |
| | 3 -1 | | Χ | | | | | | | | Lu=11 | 0.1 | | | | | | | 98,30m (143.00m) | 3 |
| | 1 | | X | | | 2 | 2 | 3 | | | ្រី | | | | | | | | | a l |
| | 4-111 | | Х | | | 3 | 1 | | | | | | | | | | | | | |
| | 5 - | | X | | | 3 | 3 | 2 | | | Luz) | 10 | | | | | | | | 5 |
| | 1 | | Х | | | | | 3 | | | | | Ì | | | | | | | |
| | 6- | | Х | | | | | | | | 1:3 | | | | | | | | | - 6 - |
| | 7 | | X | | | | | | | Pyrite along crack sur- faces, but no sulphur | lu=13. | 0.1 | | | E | | | | 94.10m (147.00m) | 7 |
| | 1 | | Х | | | | | | | faces, but no sulphur | 7 | | | | Փ78mm | | | | • | |
| | 8-1 | | Д | | | | 2 | 2 | | | 2 | | | | Ŭ | | | | 128.50m (148.40m) | 8 |
| | 9 1 | ញ់ ឧ | Х | | 2 | | , | , | | | 10. | 0.7 | | | | | | | , | -9 |
| | 1 | Brecci | Х | | Ö | | , | 1 | | | Lus | | | | | | | | | |
| | 150 | | Х | | Green1sh | | .3 | 3 | | | | | | | | | | | 136,50m (150,00m) | 150 |
| | 1 - | Volcanic | Х | | Gree | | | | | | 1.u=7 | 10 | | | | | | | | 1 |
| | 1 | > | X | | | | | | | . 1 | 1.2 | | | | | | | | | |
| | 2 | | X | | | | | | | | | | | | | | | | | -2 |
| - | 3 - | | Δ | | | 2 | 3 | 3 | | Fragments 152.50m Sheared | Luci | o | | | | | | | | - 3 |
| | 1 | | X | | | | | - | | | 1,3 | | | | | : | | | | |
| | 4- | | X | | | | | | | | - | | | | | | | | | -4 |
| | 5 | | X | | | | | | | | 1.7 | О | | | | | | | 79.90m (155.00m) | 5 |
| | 1 | | Д | | | | 2 | | | | Lu=; | - | | | | | | | (155.00m) | |
| | 6 | | X. | | | | | | | | | | | | | | | | | 6 |
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| | 7 - | | X | | | | | | | | Lu=3 | Ĭ., | | | φ 6 6 mm | | | | | F 7 |
| | 8 - | | Δ. | | | | 3 | | | 154.00-154.20m Cracky | | ļ | | | 8 | | | | | -8 |
| | 11111 | | Х | | | | | | | · | 6. | | | | | | | | | |
| | 9.1 | | Д | | | | | - | | | Lu=3 | 10 | | | | | | | | 9 |
| 837.41 | 160 | | X | | Щ | <u></u> | Ļ | | <u> </u> | > driffer's note 4 | | | | | L | <u></u> | | <u></u> | | 160 |
| • . | *. | | | | nora te | 1 | | l thard |) - 5 (a | l. 2 leubsticki. 3 (piece), 4 (fragment). 6 (grain) | | | | | | OC P | | | D ELOPMENT | CO LID |

| A | YVALI | PR | OJECT | | | | | | | | HOLE Y | 0. | | SL- | 103 | | | (5 | HEE | T 9 of | <u>[10]</u> |
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| LOCATI | | | SITE | (RIGHT | DANK | () | nercomments. | | | EPTH OF HOLE 185,20 | | | | | OMMENCE! | - | 82 | | | | |
| ELEVAT | | 997 | | | | | | | | RECTION OF HOLE 90° | | | | | OMPLETEI | | | | | | |
| COORDI | NATE | | | 6.44 | | · · | | | | ORE RECOVERY | | | | | RILLED I | - | | | | | ~ |
| | | Y:4 | 93454 | | | | | | | RILLING MACHINE ERVATION OF CORE | | | | J. STIF | OGGED B' | <u>-</u> | Su | | - | | |
| ELEVATION | DEPTH | ROCK NAME | L 0 G | CORE RECOVERY | COLOR | WEATHER- | HARD- NESS | \ <u>\</u> | | | 000 | ייייייייייייייייייייייייייייייייייייייי | × | o | DEPTH RESULT | BIT TYPE | CASING | CEMENTATIO | DRILL WATER Return | G.W.L (Opt.H) | ОЕРТН |
| | 160m | | | 0 → 100% | | | | | | | | | Kgf/d | ef | | | | | % | | 160m |
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| | 4- | | Ж | | | | 3 | 3 | | | - | | | | | | | | | | 4 |
| | 5 | | X X | | | | 2 | 2 | | uit. | 0 | ; [, | 0 | | | | | | | | 5 |
| | 6- | | Х | | | | 3 | | | | | | | | | | | | | | - в |
| | 7 | | X | | | | | | | ·Volc.Breceis-Rhyolite | × 0 + 1 | - 1 | 0 | | ! ! | | | | | 157 40m | 7 |
| | 8 - 9 - | Breccia | X X | | ķ | | | | | Crack surface is not | e | : I : | 10 | | | | | | | 157.40m (168.00m) | 8 |
| | 170 | Volcanie | X X | | enish Grey | | 5 | Į. | | oxidized, | | 1 | _ | | : | ណ្ឌាទូទូ | | | | 121.00m | 7 - 170 |
| | 1 2 | | X X | | Gre | 2 | | | | | \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | 1 | 10 | | | | | | | (170.70m) | 1 23 23 34 34 34 34 34 34 34 34 34 34 34 34 34 |
| | 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | X X X | | | | 2 | 4 | | | | ; | 10 | | | | | | | 125.50n (172.50n) | ئ جوراليديداليدولينو |
| | 4- | | X | | | | , | | | | | + | - | | | | | | | | <u> </u> |
| | 25 the state | | X X | | | | 3 | 3 | | | 0 | ٠. | 10 | | | | | | | 125 . 70m (175 .00m) | ار د در ادر در ادر در ادر در ادر در در در در در در در در در در در در د |
| | 6 | | X | | | | | | | Vole,Breeein-Rhyolite | - | | | | | | | | | | - 65 |
| | 7 ~ | | Χ | | | | | 2 | | | , | 7 | 0 | | | | | | | <u>141.00n</u> (177.40n) | 1 1 1 1 |
| | 8- | | χ | | | | 5 | | | | | _ | | - | | | | | | | 8 |
| 817.41 | 9 | Rhyol 1 te | <u>X</u> L | | | | | ·· | | | | 7/27 | 10 | | | | | | | | 9 |
| <u></u> | <u> </u> | | | N K | ļ | • | 1 . | • | l (atlet | > dr#sr's note ∢). 2 (substick). 3 (piece). 4 (frequient). 5 (grain) | | | | 1 | £ | | בי | | l a | <u>[126.00m</u> D | 100 |
| | | | | | -core los RQD | 1 23 : | i ifresi | i Gard | decom | ofti | | | | | | | | | | ELOPMENT | CO., LTD. |

| J | YVALI | PR | OJEC1 | | | | | | | | - | HOLE | No | | Sl. | -103 | | | . (9 | SHEE | T 10 o | f 10) |
|-----------|---|------------|--------|-----------------|-----------------------|-----------|------|---------------|------------------|---|--------------------|------|--------|------|--------|-----------------|----------|--------|-------------|------------|----------------------|-------------------|
| LOCATI | | | | RIGH | r bani | <u>()</u> | ~~~ | | DI | EPTH OF HOLE | | | | | | COMMENCE |) _ | 82 | -06 | 28 | | |
| ELEVAT | 'ION | 997 | | | | | | | | IRECTION OF HOLE | | | | | | COMPLETE | _ | | | | | |
| COORDI | NATE | | | 6.44 | + | | | | C | ORE RECOVERY | | | | ž | - | DRILLED | - | | | | | |
| | | Y:4 | 93454 | .63 | · | | | | | RILLING MACHINE | | | | | | LOGGED B | } | Su | | | | |
| <u>.</u> | | AME | (3 | ER. | | ά | ဟ | ا <u>ن</u> | OBSI | ERVATION OF CORE | | | 22 | | EST | NG | 36 | ۲ | ATION | ATER | | æ |
| ELEVATION | DEPTH | ROCK NAME | 0 1 | CORE | | WEATHER- | HARD | CRACK | ا≥ثا | DESCRI | PTION | | LUGEON | Paax | G O | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | | G.W.L (Opt.H) | ОЕРТН |
| 817.41 | 180m | | - | 0 → 100, | - | - | - | - | | | | | | Kgf | /cm | | | | | % | | 180m |
| | 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | Rhyol ite | L | | Grey | | | 1 | | | | | Lu<1 | 0.1 | | | | | | | | 1 |
| | 3 4. | ic Breccia | X X | | Greenish | 2 | 2 | 2 | | | | | Lu<1 | 10 | | | ф66тт | | | | 124.00n (184.00n) | 3 |
| 812.21 | 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Volcanic | X | | | | | | | | | | 1 | | | | | | | | (18/1.(X)m) | -5 |
| | 6 | | | | | | | | | End of Horeho | 16 | | | | | | | | | | | 6 7 8 |
| 797.41 | 1 2 3 4 5 5 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | | | | | | | | | | | | | | | | | | | | | 2 3 4 5 6 7 8 9 9 |
| | | | | | | | 1 | | (etick) | > driller's note 4 , 2 (substick), 3 (piece), 4 (fre | qmont). (5 (grain) | | 1 | | | E | | | C | : #I | • | <u> </u> |
| | | | | | i -cora los RGD | 8 I | | | ~6itso !ecomp | | | | | | | | | | | | LOPMENT | CO., LTD. |

| A' | YVALI | PR | <u>oject</u> | | | | | | | HOLE | | | | -112 | | | 15 | HEE | <u>[1 0</u> ; | f 4) |
|-----------|--|------------------|--|----------------------|-------------------|--------------|---------------|-------|-----------------|--|--------|----------|------|-----------------|----------|--------|-------------|-------|---|----------------|
| LOCATIO | | | | | | | | | | EPTH OF HOLE 70.00 | | | | COMMENCE |) _ | 91 | -07- | 08 | | |
| ELEVAT | ION _ | 769 | .15 | | | | Ŋ | 1 | | IRECTION OF HOLE 90° | | | | COMPLETE |) _ | 91 | -09- | 18 | | |
| COORDI | NATE | X:4 | 51277 | 6.30 | · | | | | CC | ORE RECOVERY | | % | . ! | ORILLED I | BY _ | Υ. | Yilm | a | | |
| | • | | 86316 | | | | | | DF | RILLING MACHINE | | in and a | . | LOGGED BY | Ϋ́ | Su | kru | Bay | | |
| - | | <u></u> | | ≥: | | | | (| OBSF | ERVATION OF CORE | | Ţ | ESTI | NG | | } | NO. | m | | |
| ELEVATION | ОЕРТН | ROCK NAME | 0 0 | CORE | COLOR | WEATHER- | HARD- NESS | CRACK | EVALUATION | DESCRIPTION | LUGEON | Ртах | | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | 5 | G.W.L (Dpt.H) | DEPTH |
| | Om | | 19. 0. | 0 → 100 ₉ | <u> </u> | | | | | | | Kgf. | /eni | ~ | | | | % | | Om - |
| 769.15 | $egin{array}{cccccccccccccccccccccccccccccccccccc$ | Alluvial Deposit | ికి ప్రధికి ప్రధికి ప్రధికి ప్రధికి ప్రధికి ప్రక్షి ప్రక్షి ప్రధికి ప్రధికి ప్రస్తి ప్రధిక | | | | | | ta lick | 0.00±36.00 Altuvium: It is composed only of various sized gravets and blocks: fines are completely washed away; blocks and gravets are originated from tisestone sandstone and volcanie rocks: gravets are medium and coarse and argular and subangutar; the sizes of blocks generally vary from 9cm to 12cm; maximum block size is 24cm. Fines: 10% Gravet: 70% Block: 20% | | | | | a 8 ômm | | | | 0. 50m (2.50m) 0. 60m (5.50m) 0. 70m (8.00m) (10.00m) 0. 30m (10.00m) | |
| ٠ | | | ļ | | 1 | | | thard |)~ 5 (80 | | | | | _ | | DE DE | | |) Lopment | <u>የብ ፲፻</u> គ |
| | | | | 1 | - oore lo: RQD | av 1 | (IFBP | "~⊕10 | depomp | AM DOM | | | | e.L | | ., 11 | .,, | J. 71 | 10161 8 (| 20, KID, |

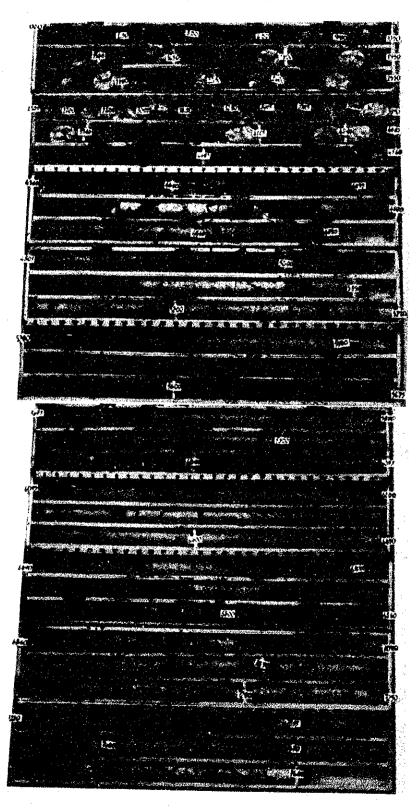
| A | YVALI | PR | <u>oject</u> | · | | | | | | <u> 101.1</u> | | | | -112 | | | | SHEF. | T 2 of | 1) |
|-----------|--|------------|--|----------------|-----------|----------|---------------------------------------|---------|--------------------|--|---------|------|---------|-----------------|----------|--------|-------------|-------|---|--|
| LOCATIO | ON _ | ANZ | AV DE | <u>re</u> | | | | | | PTH OF HOLE 70.00 | | m | | COMMENCE | - | 91 | | | | |
| ELEVAT | 108 | 769 | 15 | | | | |] | | RECTION OF HOLE 90° | | | | COMPLETE | _ | - | | | | |
| COORDI | NATE | X · 4 | 51277 | 6.30 | | <u>.</u> | | | | RE RECOVERY | | | | ORILLED I | _ | | | | | |
| | | Y:4 | 86316 | .89 | | | | | | ILLING MACHINE | | | | LOGGED B | <u> </u> | Su | <u>kru</u> | Bay | | |
| z | | щ | | | | | · · · · · · · · · · · · · · · · · · · | C | BSE | RVATION OF CORE | | T | STI | NG | 댎 | G | NOIL | Ω×. | | - |
| ELEVATION | DEPTH | ROCK NAME | 106 | CORE | | WEATHER- | HARD- NESS | CRACK | ROCK EVALUATION | DESCRIPTION | LUGEON | Ртах | er O | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | ă | G.W.L (Opt.H) | ОЕРТИ |
| 749.15 | 20m | | °0, 0, | 0 → 100 | <u> </u> | | - | | | | - | Kgf | /cid | | | | | % | | 20m |
| ,,45, 10 | 1 2 | | క <i>ి,</i> ర్విత్యాల్లో దైక్కాని స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో స్త్రామ్లో | | | | | | | | | | | | | | | | 4.50m (20.50m) (20.50m) (21.80m) | } |
| | 3 11 - 12 - 13 - 13 - 13 - 13 - 13 - 13 - | | 0, e , 0, e , 0, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, | | | | | | | | | | | | | | | | 4.60m (23.00m) | 3 |
| | و 4 و پايتيانييانيون | | , 0, 5, 0, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, | | | | | | | | | | | | | | | | 4.50m (25.00m) | |
| | e Gundanda | 4 | , 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; | | | | | | | | | | | | | | | | 4.000 | 6 |
| | 7.1 | Deposit | 0000 | | | | | | | | | | | | | | | | 4.80m (27.00m) | -7 |
| | 8 | Alluvisl) | 0,000 0,000 0,000 | | | | | | | | | | | | фебт | | | | | 8 |
| | 9 | Allı | 0 6 50 0 00 0 00 0 00 | | | | | | | | | | | | | | | | | 9 |
| | 30 | | 000,00 | | | | | | | 36.0-70.0m : Clayey Limestone | | | | | | | | | 4.60m | - 30 |
| | 1 7 | | 0 0 0 | | | | | | | (Pugey Formation) Grey in cotour: fine grained:fresh: generally highly strong; moderately strong in clayey levels: | | | | | | | | | (3) .00m) | l l |
| | So S. | ÷. | | | | | | | | regular joints are conformable with the bedding: joints are without infilling: their spacing varies between 20-60cm and their aperture is between | | | | | | | | | 4.25m (32.50m) | 2 1 3 1 1 1 |
| | 4 1 | | | | | | | | | 1-2mm: joint surfaces are slightly rough and occasionally polished. Claystone is grey in colour and represented by generally 1-2cm thick beds whose maximum thick- | | | | | | | | | 4.00m (31.50m) | 4 5 5 |
| | 6 | | 00°00°00°00°00°00°00°00°00°00°00°00°00° | | | | | | | ness reaches up to 4cm in place. | | | | | | | | | | |
| | 7 | | | | | | | 3 | | · | | | | | | | | | | - - - - |
| | 8 | | | | Grey | 24 | 2 | 2 | | Oxidization on some joint surfaces: generally highly strong. | | | | | 7.6mm | | | | 4.00m (37.70m) | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| | 9 | | | | | | | 3 | | | | | | | 0 | | | | | و العرب المنافقة المنافقة |
| .729.15 | 40 | L | <u></u> | | Ш.—. N | 1, | ۲. | l | <u> </u> | ▶ drikler's note ¢ | <u></u> | J | l | L | | - | - | - 1 • | J | F 10 |
| : * | | | | | Core ! | | | i thard | h-61s |). 2 (substick). 3 (piece). A (fragment). 5 (grain) | | | | | A | | | R DEV | IÐ ÆLOPMENT | CO, LTD |

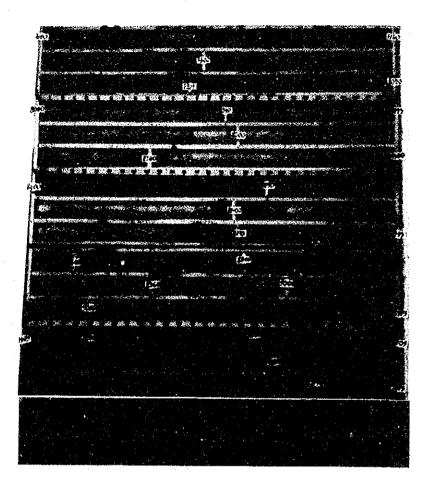
| AY | (VALI | PR(|)JECT | | | · | | | | IIOL | E No | <u>.</u> | SL | -112 | . | | 1.5 | HEE | r 3 of | 4) |
|----------------|---------------|------------|----------|----------------------|----------------|----------|---------------|------------------|---------------------|--|----------|----------|----------|------------------------|-----------|--------|-------------|-----------------------|--------------------------|-----------|
| LOCATIO |)\\ | ANZi | W DE | RE | <u></u> | | | | DF | PTH OF HOLE 70.00 | | | | COMMENCE | | | | ,,=, | ····· | |
| ELEVATI | 10N _ | 769 | . 15 | | | <u>.</u> | - 81 | 1 | | RECTION OF HOLE 90° | | | | COMPLETE | | | | | | |
| COORDIN | NATE _ | X:4 | 51277 | 6.30 | | | | | | RE RECOVERY | | b | | DRILLED E LOGGED B' | | | | | | |
| , _ | | | 36316 | .89 | | | | | UN IRSE | RYATION OF CORE | <u> </u> | | EST | | ī | | | | | |
| ELEVATION | DEPTH | ROCK NAME | F 0 G | CORE RECOVERY | COLOR | WEATHER- | HARD- NESS | CRACK SPACING | ROCK VALUATION S | DESCRIPTION | LUGEON | Pmax | T | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATER RETURN | G.W.L. (Opt.H) | DEPTH |
| | 40m | | | 0 - 100 ₀ | | | | | m | | | Kgi | /cnl | | | | | % | | 40m |
| 729.15 | | | | | | 2 | 2 | 2 3 | | Oxidization on some join surfaces | · | | | | | | | | 3 . 50m (40 . 40m) | |
| | 1 1 | | | | | - | | <u>''</u> | | - | | | | | | | | | | -1 |
| | 5 - | | | | | | : | 2 | | | | | | - | | | | | | - 2 |
| | 1 | | | | | | | | | Severat thin calcite | | | | | | | | | 43.00m | |
| | 3 4 | | | | | | | :3 | | veins | | | | | | | | | 43.00m - 安 (Firm1) | -3 |
| | 4 - | | | | | | | | | | | | | | | | | | | -4 |
| | المالعا | | | | | | | | | | | | | | | | | | 3.80m | 5 5 |
| | 2 -1 | | | | | | | 2 | | | | | | | | | | | 3.80m (45.00m) | 3 |
| | 6 | | | | | | | | | | | | | | | | | | | 6 |
| | 7 | | | | | | | | | · | | | | | | | | | | 7 |
| | , 1 1 1 | (uo | | | | 1 | | | | | | | | | | | | | | الديا |
| | 8 | Formation) | | | | | | 1 | | | | | | | | | | | | . 8 |
| | 9 7 | | | | | | | | | | | | | | | | | | | - 9 |
| | r e e | (Pugey | | | | | | 1 | | | | | | | g | | | | | |
| | 50 | | : | | Grey | | | | | 2-3cm thick claystone beds with laminue: | | | | | ф76mm | | | | 3.60m (50.00m) | -50 |
| | 1 - | Limestone | | | | \$ | 2 | | | slightly rough joint surfaces. | | | | | | | | | | 1 |
| | 1 | | | | | | | 2 | | | | | | | · | | | | | |
| | 2 1 | Clayey | | | | | | | | | | | | | | | | | 3.50m (52.15m) | - 11 - |
| | 3 1 | ថ | | | | | | | | | | | | | | | | | | - |
| | tal tal | | | | | 2 | | - | | | ļ | | | | | | | | | |
| | 4 | | | | | | | 2 | | | | | | | | | | | | |
| | 5 | : | į | | | | | - | | · | | | | <u> </u> | | | | | 3.20m (55.00m) | 5 |
| | 6 1 | | | | | | | 1 2 | | | | | | | | | | | | L 15 |
| | ro-for | | | | | | | <u> </u> | | | | | | <u> </u> | | | | | | ا بتمليي |
| : | 7 | | : | | | | | | | | | | | <u> </u> | | | | | | 7 |
| | 8 | ٠. | | | | | | | | | | | | | | | | | 3.20m (58.00m) | 8 |
| | 111 | | | | | | | s | | | | | | | | | | | | |
| : | 9 - | | | | | | | | | | | | | | | | | | | 9 |
| 709.15 | .00 | <u> </u> | <u> </u> | | <u> </u> | 1 | Ļ | | <u></u> | > driller's note 4 | | <u>L</u> | <u> </u> | | <u></u> | _ | | | L | 60 |
| | | | | | | Ī | | I thare | il - 5 (s | d. 2 (autistick). 3 (piece). 4 (fragment). 5 (grain) oft) | | | | | | | | B DEV |) Elopment | CO. LTD |
| | | | | 1 | 80D coto la | 38 | ı uros | :u~5 (| ascen | posadi | | | | • | | | | ~~* | | , |

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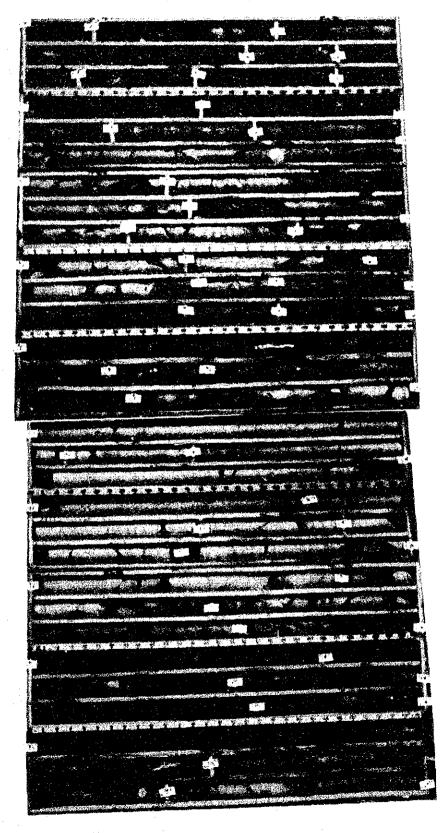
| AYVAL | , i Pl | ROJECT | · | | | | | | | HOLE | So. | | SL | -112 | | | [_5 | HEE | T 1 01 | <u> 4</u> |
|----------------------|---------------------|--------|------------------|-------------------|-----------------|---------------|---------------|--------------------------------|--|-----------|--------|------|--------|-----------------|--------------|--------|-------------|-------------|------------------------|------------|
| LOCATION | | AV DI | RE | | | | | | EPTH OF HOLE 70.00 | | | m | | COMMENCE! | _ | | -07- | | | |
| ELEVATION | | | | | | 0 | 1 | | RECTION OF HOLE 90° | | | | | COMPLETE | _ | | -09- | | - | |
| COORDINATE | | | | · | | | . | | ORE RECOVERY | | | | | DRILLED I | _ | | | | | |
| | | 186310 | Τ | | | | | | RILLING MACHINE | | | | EST | LOGGED B | | Su | | | | |
| ELEVATION DEPTH | ROCK NAME | 0 0 | CORE RECOVERY | COLOR | WEATHER- ING | HARD- NESS | | ROCK EVALUATION | DESCRIPTION | | LUGEON | Pmax | о О | DEPTH RESULT | BIT TYPE | CASING | CEMENTATION | DRILL WATER | G.W.L (Opt.H) | ОЕРТН |
| 60 | m | | 0 - 100% | | 1 | | | | | | | Kgf | /cmi | | | | | % | | 60m |
| 709.15 | سيئسياس | | | | 1 1 2 | 2 | 3 | | Several thin calcite veins | | | | | | | | | | 3 , ()()m (60,8()m) | 1 |
| 2 | ion) | | | | | | | | 1-2cm thick claystone beds: joint surfaces a slightly rough and som of them are pollshed; highly strong. | ine le | | | | : | | | | | | 2 |
| 4 | | | | | | | 1 | | | | | | | | ĮĮ. | | | | 2.85m (63.66m) | 4 |
| 5 | tone | | | Grey | 1 | 2 | 3 | | | | | | | · . | . 45 7. 6 mm | | | | 2.80m (06.00m) | 6 |
| 7 | Clayer | - | | | | | 2 | | | | | | | | | | | | | 7 |
| 9 | andlan | | | | | | | | | | | | | | | · | | | | - 8 - 9 |
| 699.15 ₇₀ | - | | | | | ļ | | 1.2 | | | | _ | | | | | | | | 70 |
| 1 | | | | · | | | | | | | | | | | | | | | |] |
| 3 | | | | | | | | | | | | | | | | | | | | 2 |
| 4 | المستاستيداست | | | | | | | | | | | | | | | | | | | (* 55 |
| 6 | unari in a | | | | | | | | en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co | | | | | | | | | | | 6 |
| 7 | ينير المياما يعيمان | | | 4. | | | | | | | | | | | | | | | | - 7 - 8 |
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| 689,15 80 | 1 | 1 | | l | 1 | 1 | 4 | | > driller's cote < | | | | | E E | | | | ماد | B | 80 |
| | | | | -core for -RGD | s | | fhard | l (stick) ~ 5 (sc decem | | | | | | | ECTR | | | | ELOPMENT | CO., LTO |

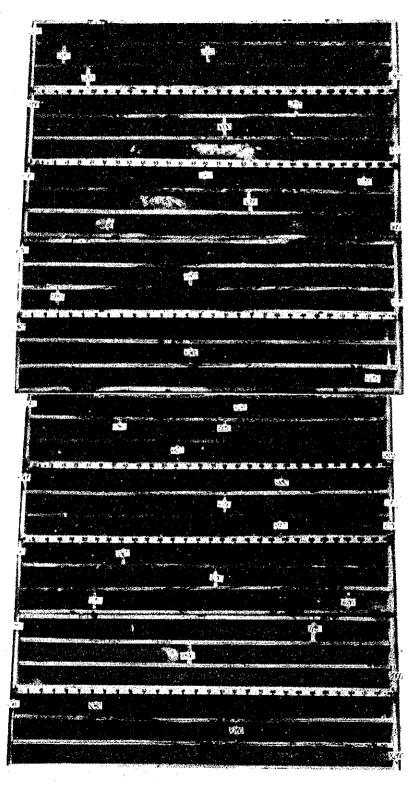
SK-214 ($0\sim76$ m)

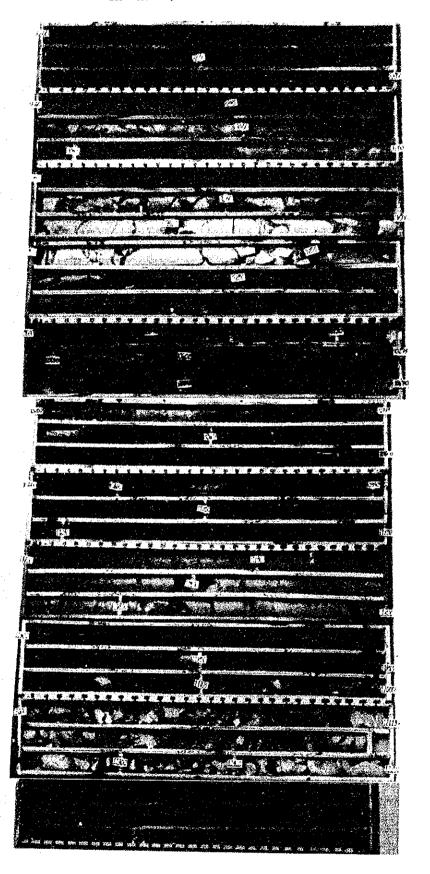




SK-210 ($0\sim44$ m)

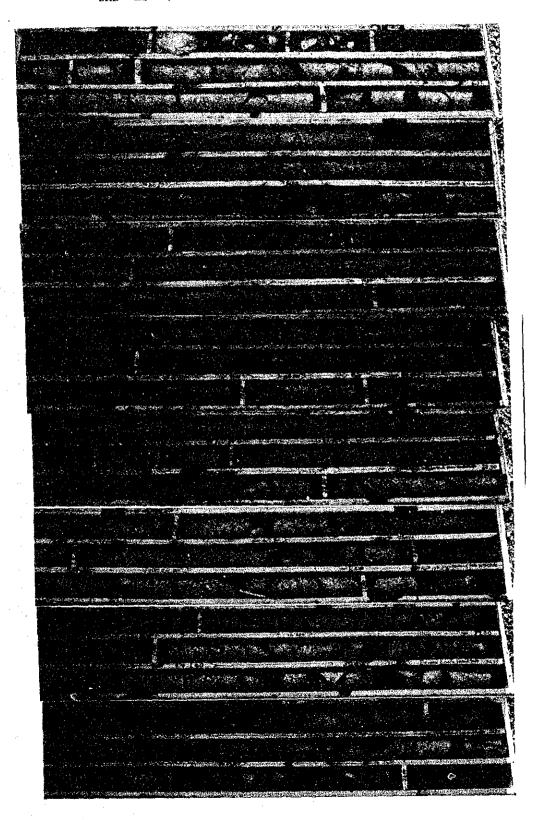


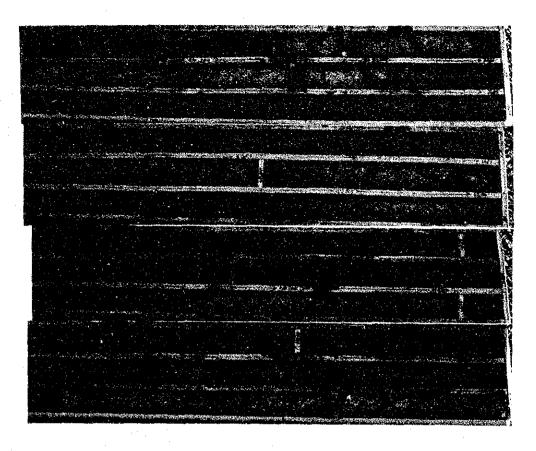




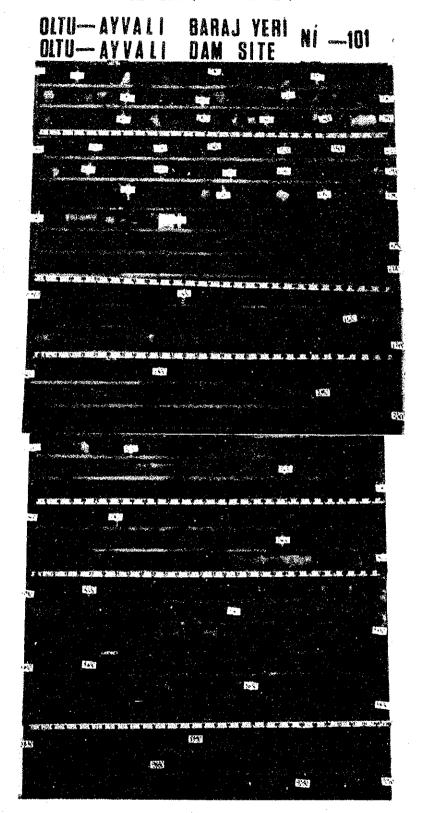
Olur Damsite, right bank

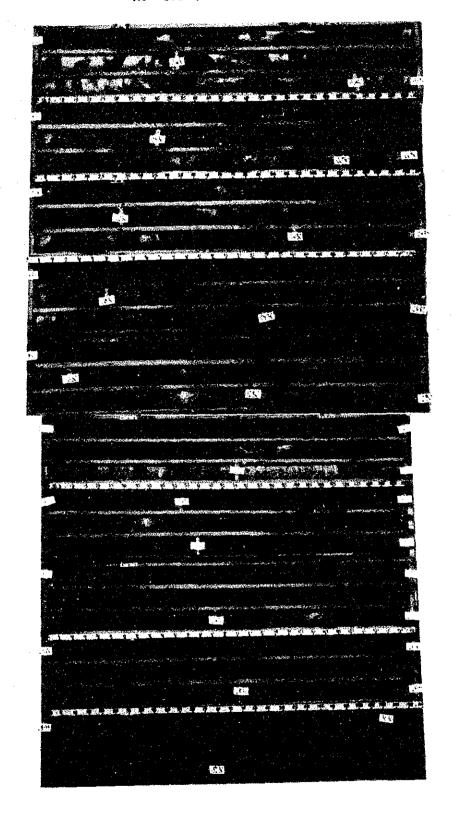
SKE-213 ($0\sim34$ m)

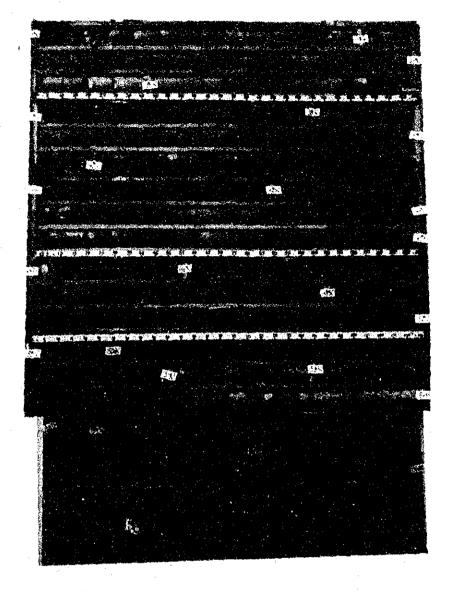




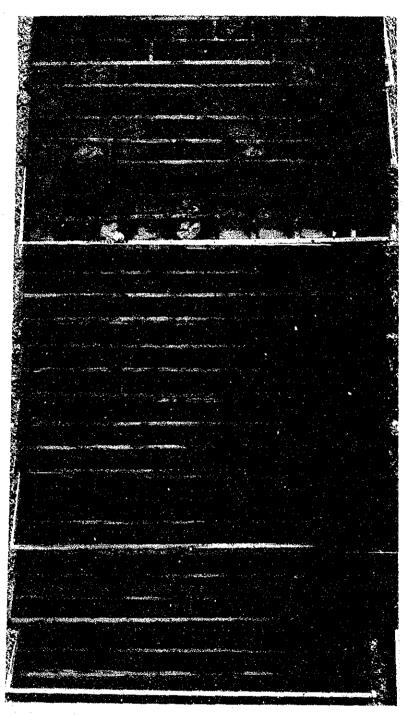
 $Ni - 101 (0 \sim 92.6 m)$





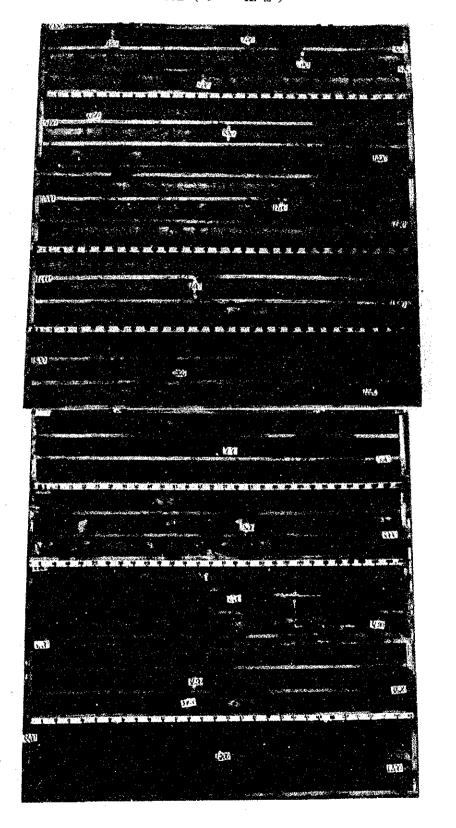


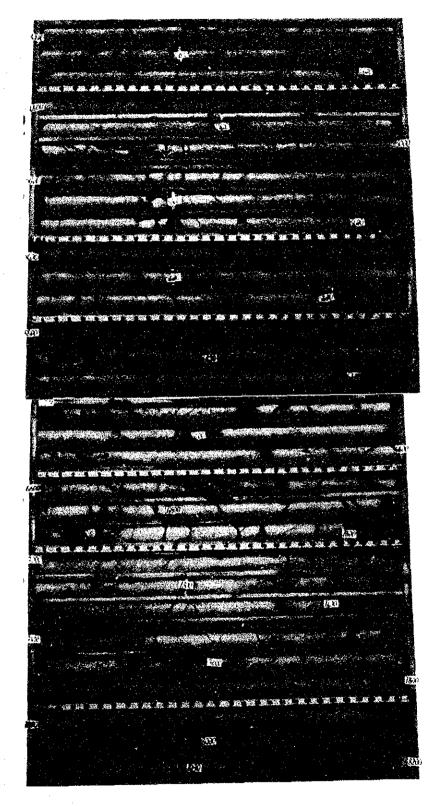
Ni-109 (3 \sim 70 m)

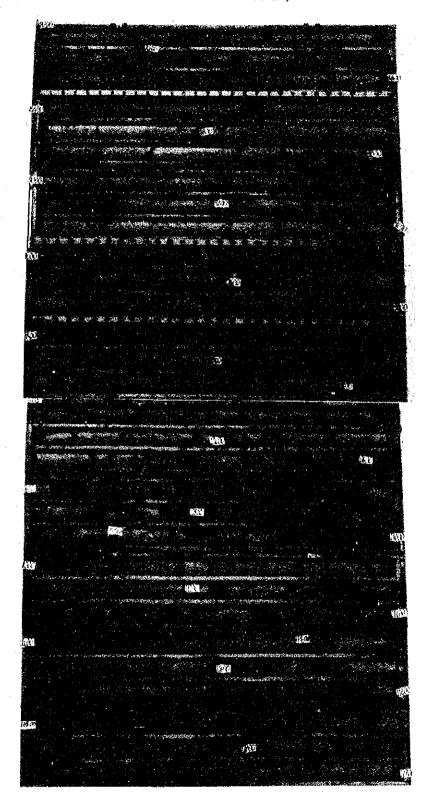


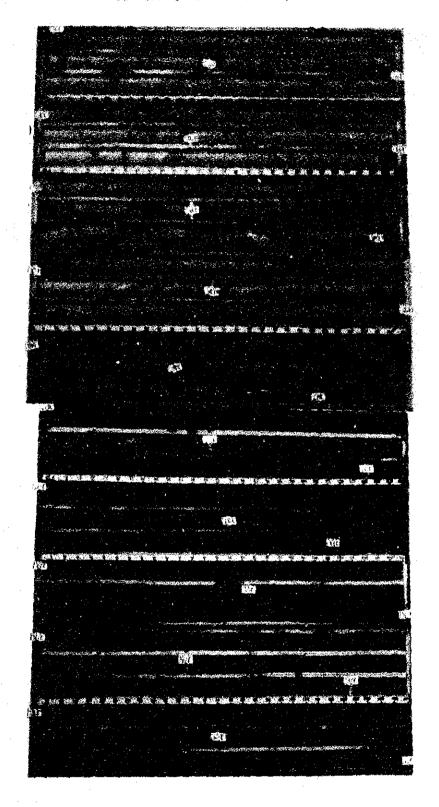
SG-102 (L= 200 m, BL 928.37 m) Ayvali Damsite, right bank

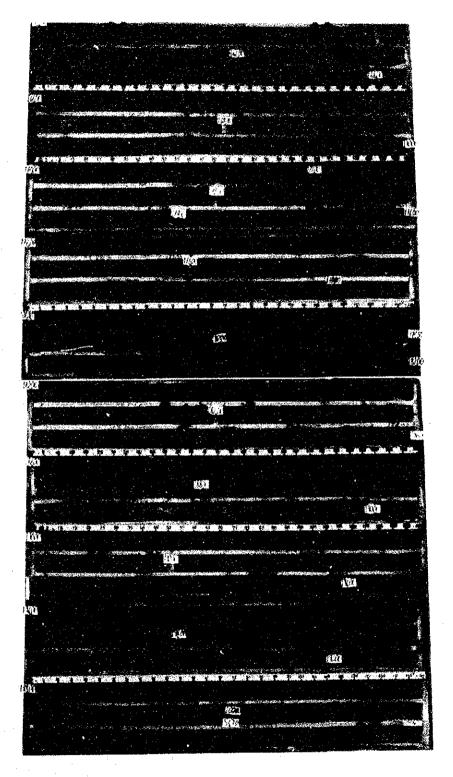
SG-102 ($0 \sim 42$ m)





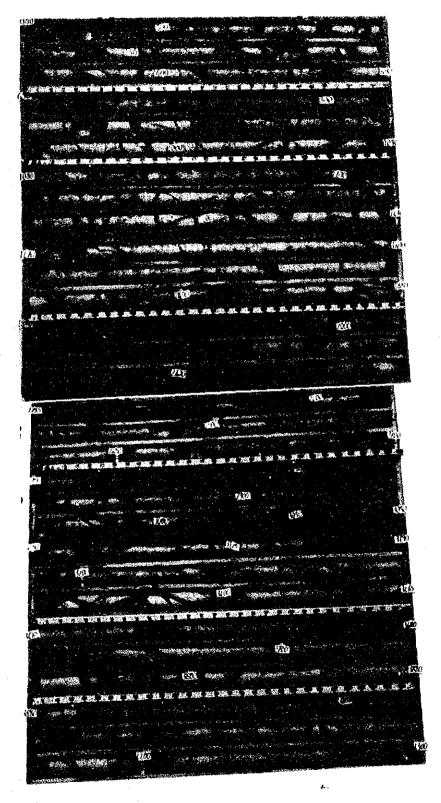


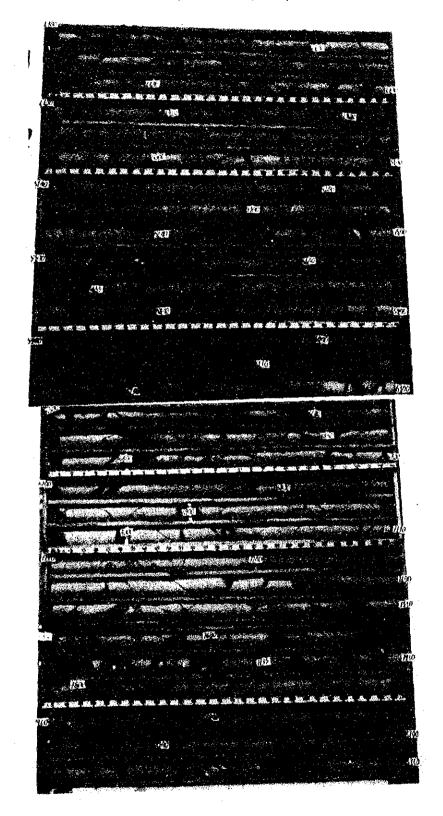




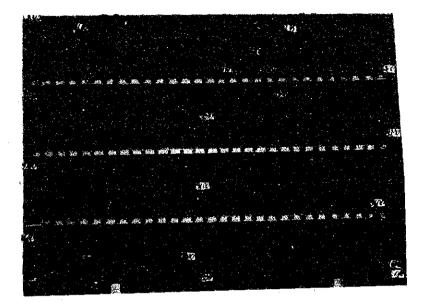
SGE-106 (L= 125 m, EL.868.2 m) Ayvali Damsite, right bank

 $SGE-106 (0 \sim 43 m)$





SGE-106 (83.4 ~ 100 m)



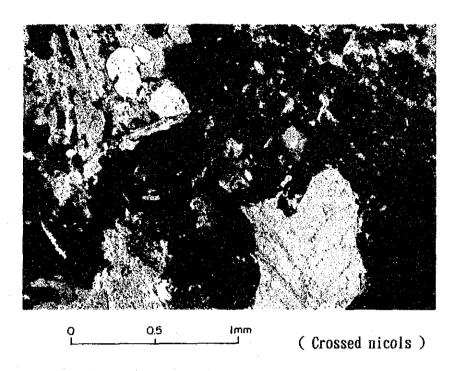
Micrograph and Petrographic Description of Rock (1-3)

Locality:

Olur Damsite, Right bank Drill Hole SK-211, Depth 62.9 m

Rock Name:

Granite porphry



Petrographic Description:

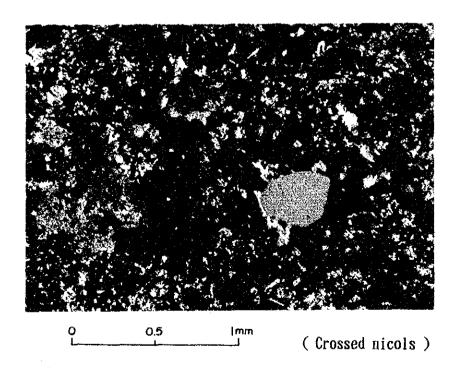
Chief consisting minerals are plagioclase, quartz and potassium feldspar. Holocrystalline-porphyritic texture.

Locality:

Olur Damsite, Left bank Drill Hole SK-212, Depth 21.5 m

Rock Name:

Rhyolite



Petrographic Description:

Chief consisting minerals are plagioclase, potassium feldspar and quartz.

Small amount of cericite are observed.

Spherulitic texture and Porphyritic texture.

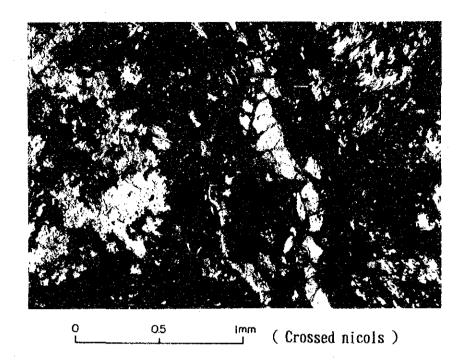
Micrograph and Petrographic Description of Rock (2-3)

Locality:

Olur Damsite, Left bank Drill Hole SK-212, Depth 72.0 m

Rock Name:

Diabase



Petrographic Description:

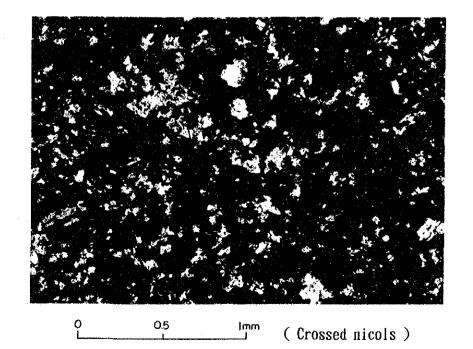
Original texrure does not remain because of replacement by chlorite and cericite. Some thin gypsum and carbonate veins are observed.

Locality:

Olur Powerhouse Site

_Rock Name:

Altered Andesite



Petrographic Description:

Chief consisting minerals are plagioclase. Hyalopilitic texture is remarkable Some rock forming minerals are replaced by kaoline, albite, quartz and carbonate minerals.

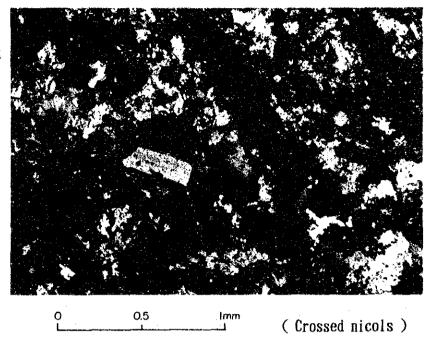
Micrograph and Petrographic Description of Rock (3-3)

Locality:

Ayvali Damsite, Right bank Drill Hole SG-105, Depth 70.0 m

Rock Name:

Altered Lapilli Tuff



Petrographic Description:

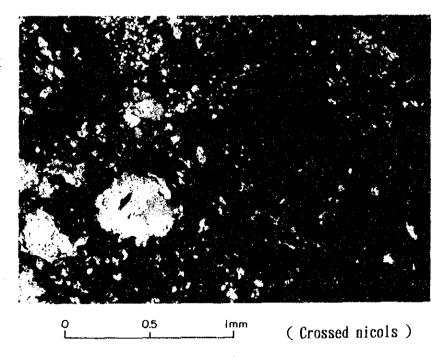
This rock shows pyroclastic texture with mineral fragments of plagioclase and rock fragments suffered chloritization and albitization.

Locality:

Ayvali Damsite, Left bank Drill Hole SL-103, Depth 87.8 m

Rock Name:

Altered tuff breccia

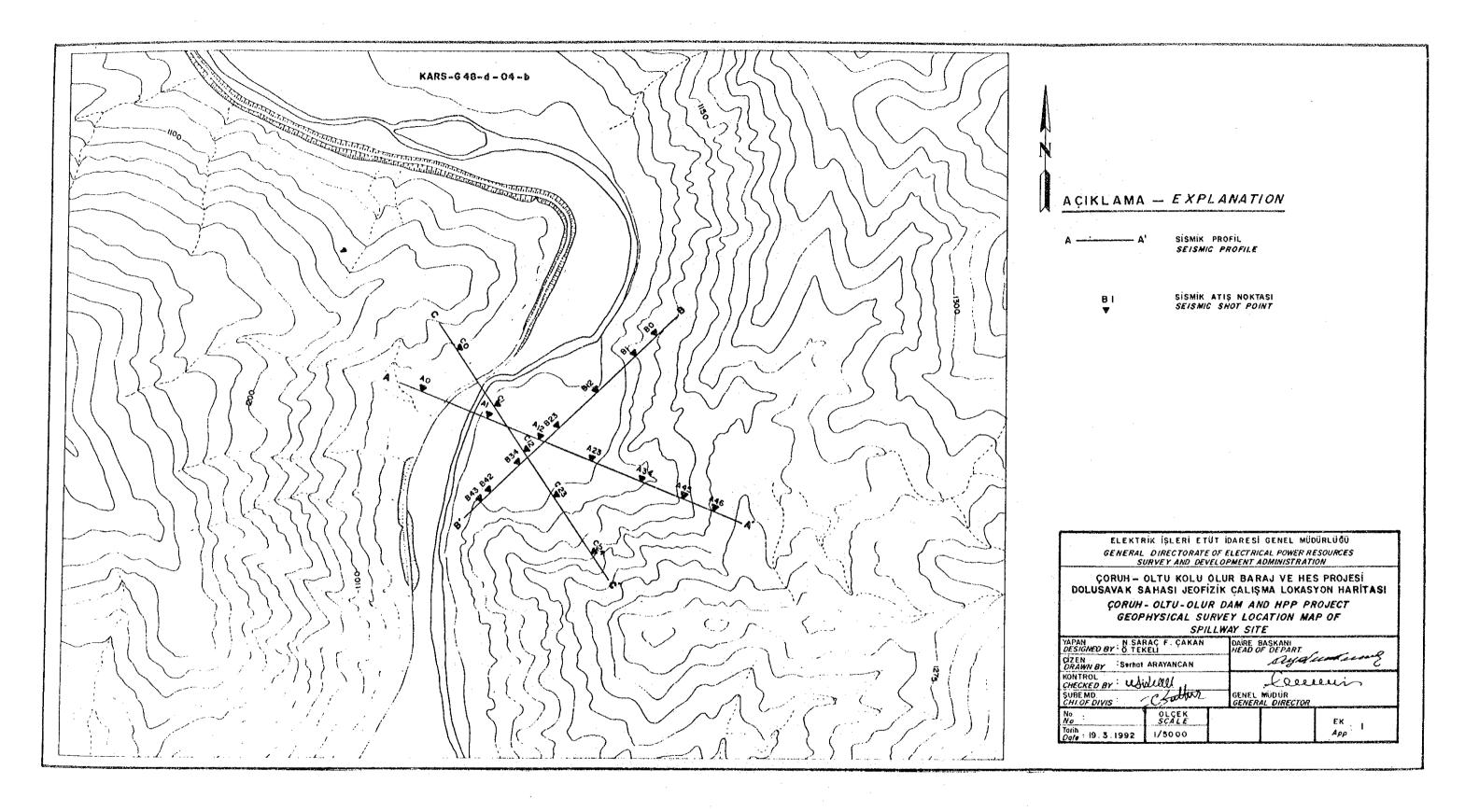


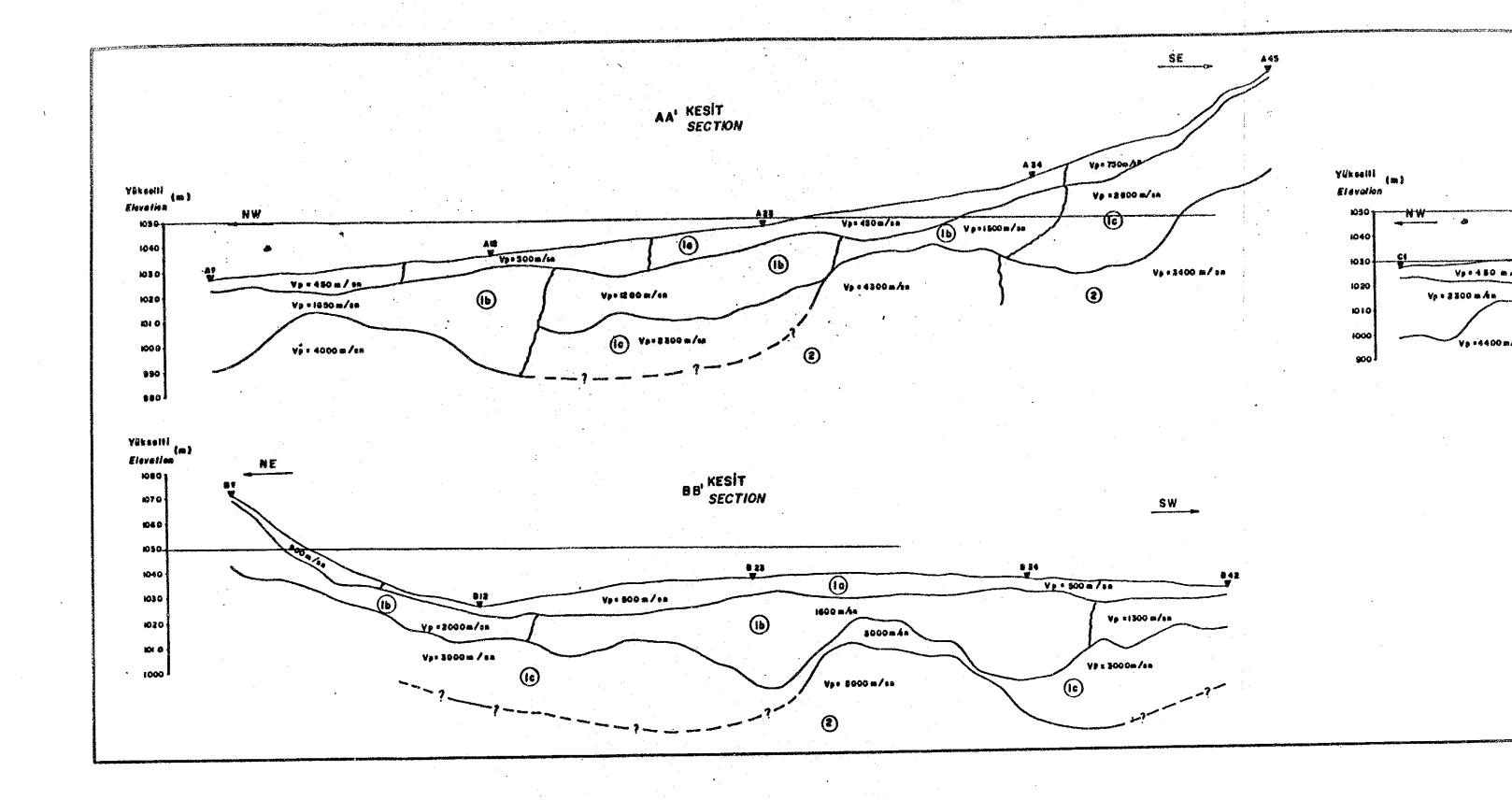
Petrographic Description:

This rock shows pyroclastic texture with fragments of siltstone, silicified rock and chloritization rock. Small amount of pyrite are observed.

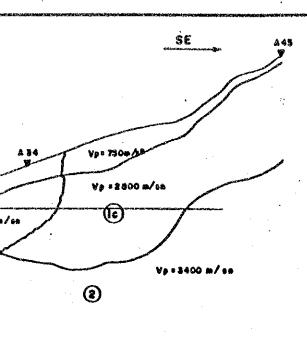
A-3-4 Geophysical Prospecting Data

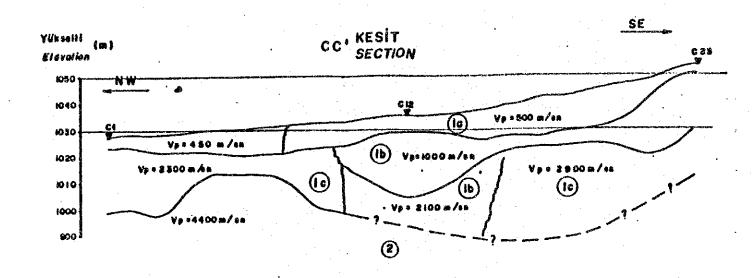
| | | | <u>Page</u> |
|-----|--------------------------|---|--------------|
| a) | Seismic Pro | ospecting Data of Olur Spillway Site | AP-3-144 |
| b) | Seismic Pro | ospecting Data of Olur Powerhouse Site . | AP-3-147 |
| c) | Seismic Pro | ospecting Data of Bahcecik Area | AP-3-151 |
| d) | Seismic Pro | ospecting Data of Anzav Valley | AP-3-156 |
| e) | Seismic Pro | ospecting Data of Ayvali Powerhouse | AP-3-160 |
| f) | the second second second | Prospecting Data of Tkeli | AP-3-164 |
| Not | e: | | |
| | Details of | each data are described in the following re | eports. |
| | a) and e) | "Coruh-Oltu-Olur Dam and Powerhouse S Spillway and Ayvali Access Tunnel Sites G Preliminary Study Report." by EIE, 1992 | • |
| | b) and d) | "Coruh-Oltu-Olur Dam and Powerhouse Site, Dam and Powerhouse Site, Tunnel Route G Preliminary Study Report." by EIE, 1991 | - |
| | c) : | : "Coruh-Oltu-Olur Project, Bahcecik Lands | slide Area |
| • | | Geophysical Preliminary Study Report" by | EIE, 1992 |
| | f) and g) | "Coruh-Oltu-Ayvali Project Bulanik and Tek | |
| | | Areas Geophysical Preliminary Study Report 1992 | ., by ele, |





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AÇIKLAMALAR — EXPLANATION

SHOT POINT

Vp 2 2100 m/m BOYUNA DALGA HIZI LONGITUDINAL WAVE VELOCITY

> OLASI TABAKA SINIRI PROBABLE CON: T

10 (b)(c) YAMAÇ MOLOZU SLOPE WASH

(S)

TABANKAYA (AYVALI VOLKANİTLERİ) BEDROCK (AYVALI VOLCANICS)

Vp = 3000m/sn

Vp = 3000m/sn

(ic)

ELEKTRIK IŞLERI ETÜT IDARESI GENEL MÜDÜRLÜĞÜ

GENERAL DIRECTORATE OF ELECTRICAL POWER RESOURCES
SURVEY AND DEVELOPMENT ADMINISTRATION

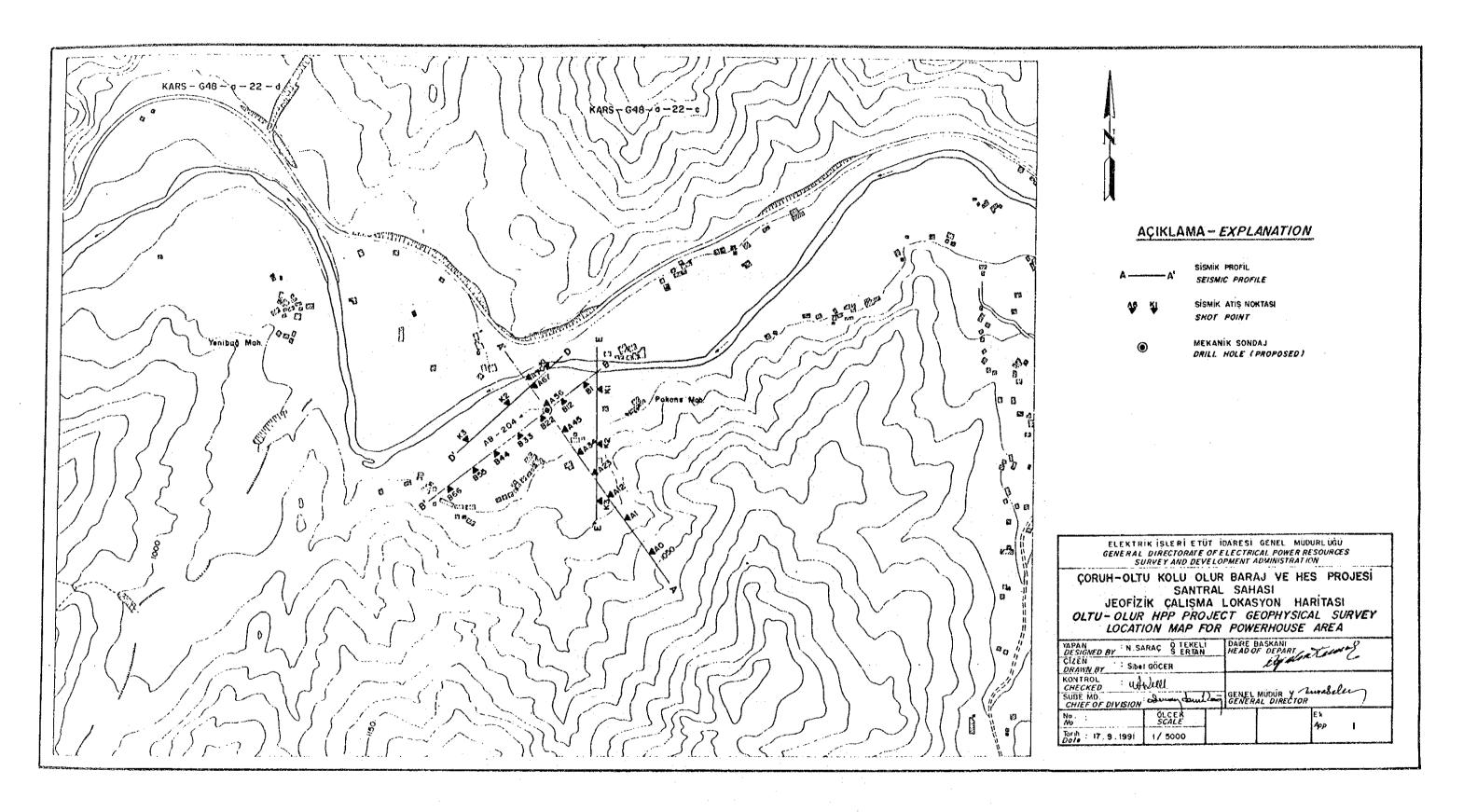
ÇORUH-OLTU KOLU OLUR BARAJ VE HES PROJESİ
DOLUSAVAK SAHASI JEOFIZİK KESİTLERİ

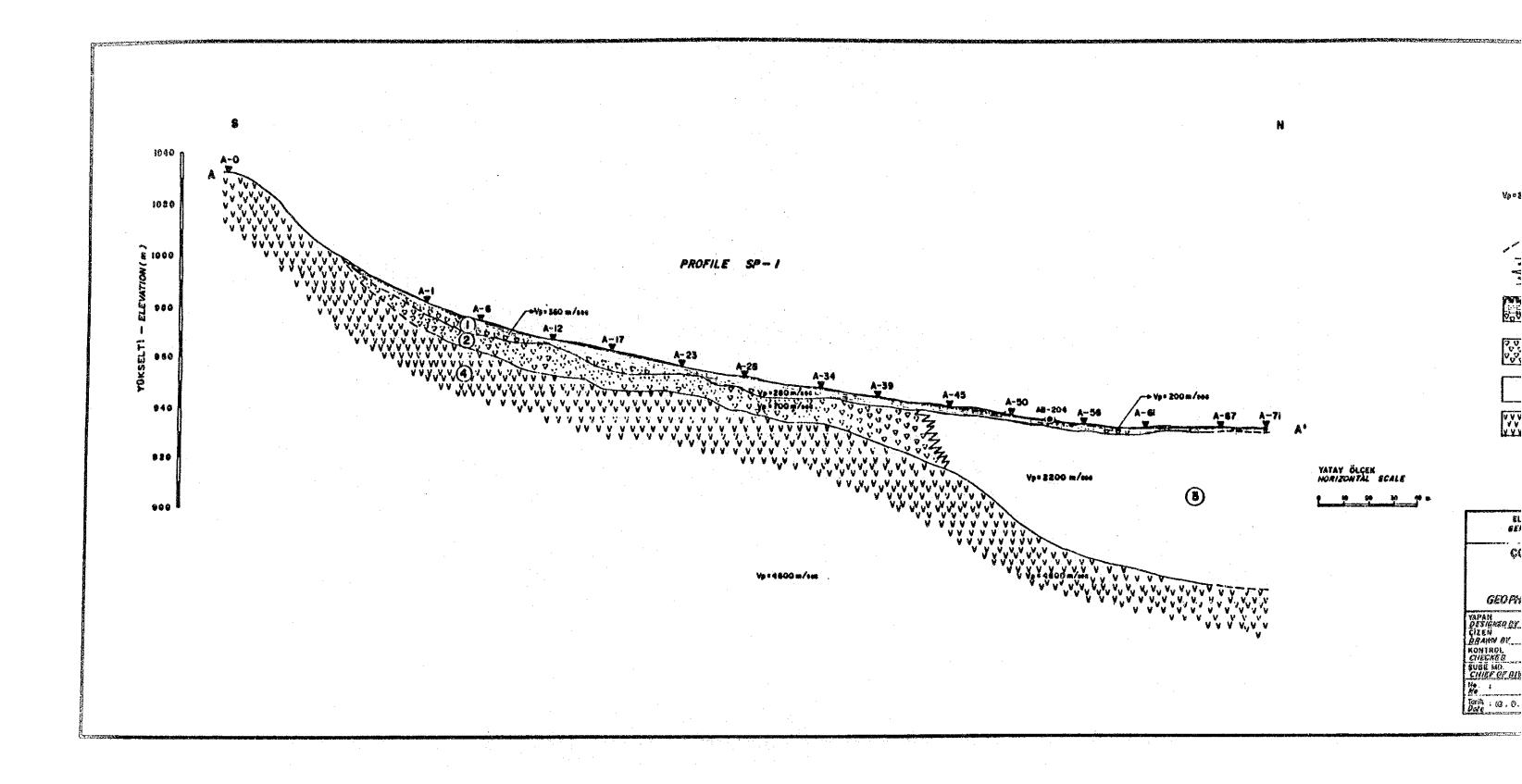
ÇORUH-OLTU-OLUR DAM AND HPP PROJECT GEOPHYSICAL
SECTION OF SPILLWAY SITE

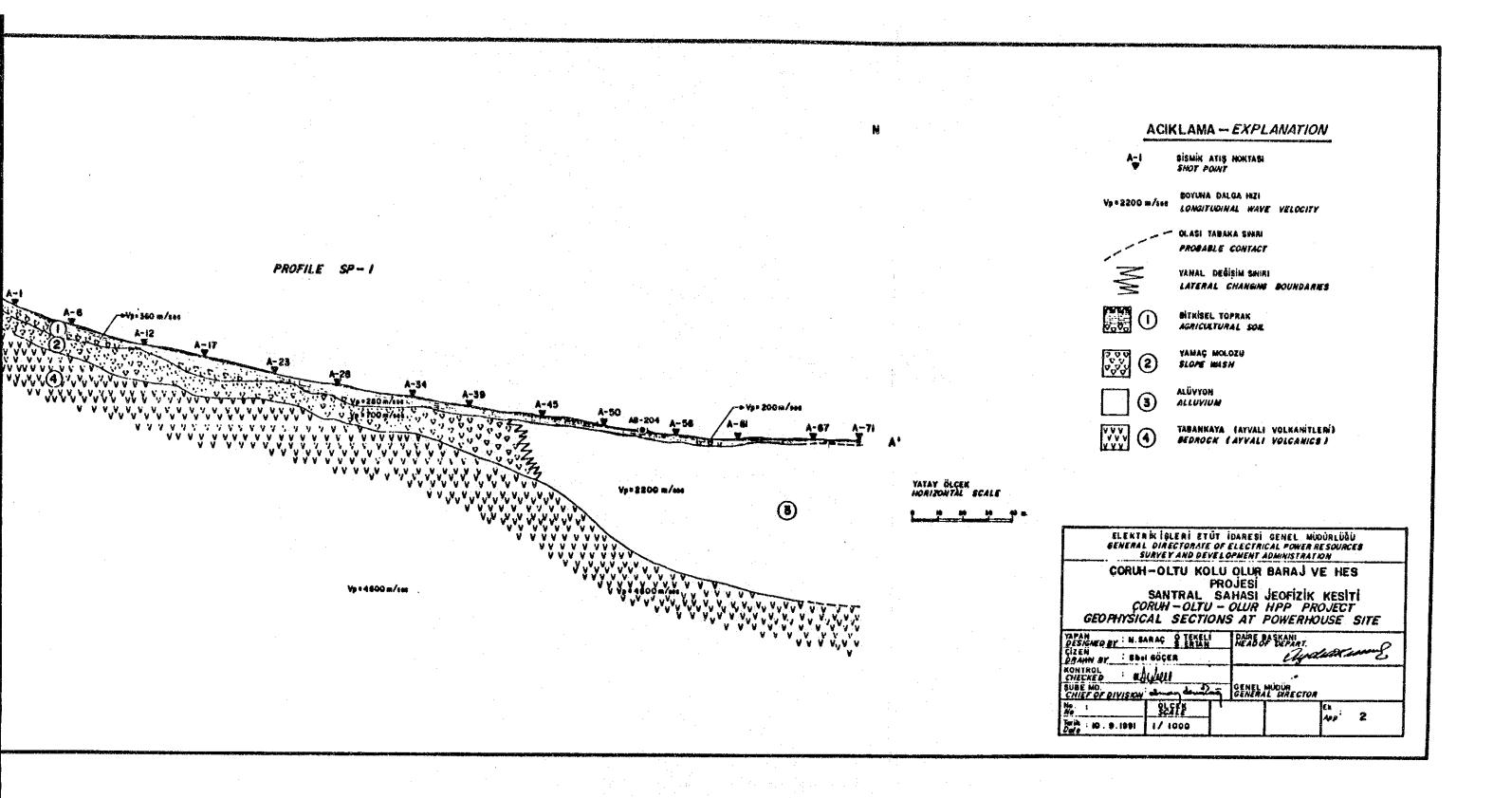
YAPAN
DESIGNED BY 'N SARAÇ, ÇÇAKAN, ÖYEKELİ HEAD OF DEPART
CÜZEN
DRAWN BY HORICE ALTIN
CONTROL
CHECKED BY : ULUMU.
GENEL MÜDÜR
GENERAL DIRECTOR

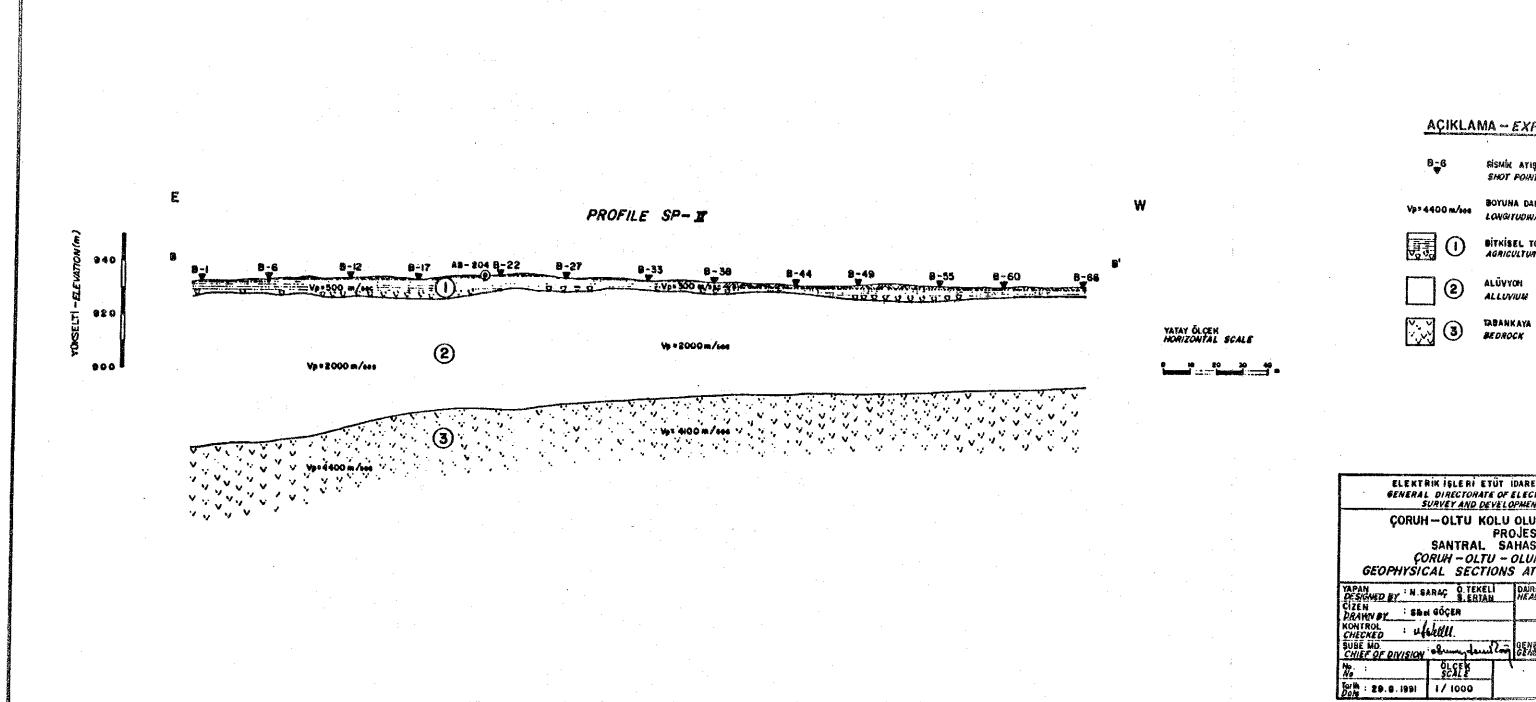
NO
NO
NO
SCRIE

TOSIN: 16/3/1992 1/1000









AÇIKLAMA - EXF

rismin atiq Shot point

BOYUNA DAI

ALÜVYON ALLUVIUM

DITKISEL TO AGRICULTUR

tabankaya Bedrock

YAPAN
DESIGNED BY : N. SARAÇ Ö. TEKELİ
DESIGNED BY : SAN GÖÇER
KONTROL
CHECKED : USERILL
SUBE MÖ.
CHIEF OF DIVISION : SAN GÜZER SCALE

BISMIK ATIŞ NOKTASI SHOT POINT BOYUNA DALGA NIZI LONGITUDINAL WAVE VELOCITY PROFILE SP-I BİTKİSEL TOPRAK + ALÜVYON AGRICULTURAL SOIL + ALLUVIUM AB- 804 B-22 B_33 ALÜVYON ALLUYIUM TABANKAYA YATAY ÖLÇEK HORIZONTAL SCALE BEDROCK (2) Ve = 2000 m/ses ELEKTRIK İŞLERİ ETÜT IDAREŞI GENEL MÜDÜRLÜĞÜ GENERAL DIRECTORATE OF ELECTRICAL POWER RESOURCES SURVEY AND DEVELOPMENT ADMINISTRATION ÇORUH-OLTU KOLU OLUR BARAJ VE HES
PROJESI
SANTRAL SAHASI JEOFIZİK KESİTİ
ÇORUH-OLTU - OLUR HPP PROJECT
GEOPHYSICAL SECTIONS AT POWERHOUSE SITE YAPAN : N. SARAÇ Ö. TEKELÎ PESYGNED BY : N. SARAÇ B. ERTAN CIZEN SEN GOGER FIRST NO.
CHIEF OF DIVISION - 2 - 1 - 1 - 2 - 3 GENEL MÜDÜR Y GENERAL DIRECTOR SCAL F Tarih : 29.0.1991 1/1000

AÇIKLAMA - EXPLANATION

