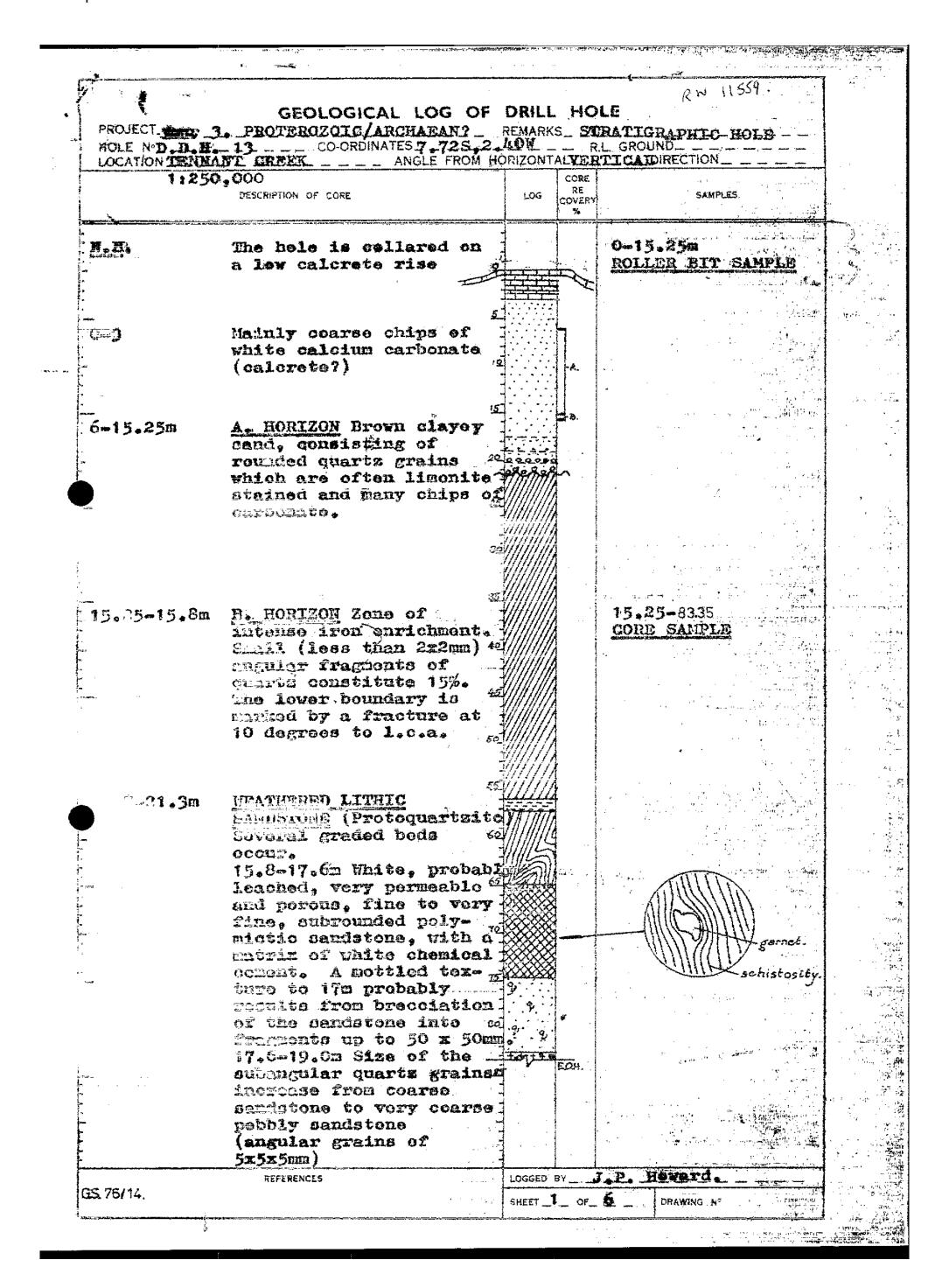
| Date received in Laboratory 17.6.77 Time of sampling .hrs? 1100 3.6.77 RN 11559 IN 40/488 DDH13 DISCHARGE 0.6 lps SAMPLER:BLYTH NALYSIS - PHYSICAL Colour (Hazen units) |
|--|
| Time of sampling hrs: 1100 3.6.77 RN 11559 IN 40/488 DDH13 DISCHARGE 0.6 lps SAMPLER:BLYTH NALYSIS - PHYSICAL |
| RN 11559 IN 40/488 DDH13 DISCHARGE 0.6 lps 318X SAMPLER:BLYTH NALYSIS - PHYSICAL |
| 318X SAMPLER: BLYTH NALYSIS - PHYSICAL |
| NALYSIS - PHYSICAL |
| |
| Colour (Hazen units) |
| |
| Turbidity (A.P.H.A. units) |
| Suspended solids (mg/l) |
| YSIS - CHEMICAL (mg/I) |
| Total alkalinity (as CaCOg) 310 |
| Total hardness (as CaCO ₃) 356 |
| Sodium, Na 131 |
| Potassium, K 44 |
| Calcium, Ca |
| Magnesium, Mg 60 |
| Iron (total), Fe <0.1 |
| Sitica, SiO ₂ 99 |
| SIS - ADDITIONAL (mg/i) |
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| |
| AND DECOMPOSE BRANCH |
| WATER RESOURCES BRANCH ALICE SECULOS |
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| DEPT. OF N.T. |
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| WATER RESOURCES BRANCH | | Date received in Laboratory | 17.6.77 |
|--|-------------------------------|--|--|
| | Bottle No ZG 74 | Time of sampling (hrs) | Date of sampling |
| WR 4/1 LOCATION AND DETAILS | | | 44// |
| TENTANT CE | eek west in | 11559 IN 40/488 DIS | SCHARGE 0.6 1ps |
| AFTER 60 MINS P/Dis I | DH13 RSP 3 | 16X SAMPLER: BLYTH | |
| | ANALYSIS | - PHYSICAL | |
| 거 | 7-7 | Colour (Hazen units) | |
| Specific conductance microsiemens/cm at 25°C) | 1350 | Turbidity (A.P.H.A. units) | |
| Total dissolved solids (mg/l - by evaporation at 180°C) | 860 | Suspended solids (mg/l) | |
| | ANALYSIS - CI | IEMICAL (mg/I) | |
| Total dissolved solids (by summation) | 1078 | Total alkalinity (as CaCO ₃) | 310 |
| Sodium chloride (calc from chloride) | 302 | Total hardness (as CaCO ₃) | 365 |
| Chloride, Cl | 183 | Sodium, Na | 131 |
| Sulphate, SO ₄ | 82 | Potassium, K | 45 |
| Vitrate, NO3 | 50 | Calcium, Ca | 46 |
| Bicarbonate, HCO3 | 378 | Magnesium, Mg | 61 |
| Carbonate, CO3 | | Iron (total), Fe | ۷۰.1 |
| -luoride, F | 2.6 | Silica, SiO ₂ | 99 |
| | ANALYSIS - AD | DITIONAL (mg/l) | লাকের পর ক্রিক্টির বিশ্ব ব |
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| | | 10 - 40 - 10 - 10 - 10 - 10 - 10 - 10 - | - |
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| 1 | | WATER RESOUR | RCFS TRANCH |
| 1 | | WATER RESOUR | RCFS TRANCH |
| 1 | | ì | RCFS CRANCH |
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| 1 | | ALC: C | RCFS DRANCH |
| | | T. JA | RCFS TRANCH |
| ANALYSED BY: J.AICOCK The sample as analyse | ed is chemica | DATE 28 6 77 | ACES CRANCH AND |
| ANALYSED BY: J.AICOCK The sample as analyse | ed is chemica alth Organis | DATE 28 6 77 | MES CRANCH WHAT. Man consumption accordandards for DrinkingO |

| WATER ANALYSI'S | LEAS . | Laboratory Register No. | 77/1558 |
|--|---------------------------------------|--|--|
| DEPARTMENT OF THE NORTHERN TERRITORY | | Date received in Laboratory | |
| WATER RESOURCES BRANCH | Bottle No | Time of sampling (hrs) | 17.6.77 Date of sampling |
| WR 4/1 | 2 32 | 1000 | 3.6.77 |
| ocation and details Tennant Ci | REEK WEST RI | N 11559 IN 40/488 I | DISCHARGE 0.6 lps |
| AFTER 30 MINS P/Dis | DDH13 RSP | 318X SAMPLER:BLYTE | |
| MILEM JO MANO 17028 | | S - PHYSICAL | |
| ж | 7.7 | Colour (Hazen units) | |
| Specific conductance (microstemens/cm at 25°C) | 1390 | Turbidity (A.P.H.A. units) | |
| Total dissolved solids (mg/t - by evaporation at 180°C) | 840 | Suspended solids (mg/l) | |
| | ANALYSIS - C | CHEMICAL (mg/l) | |
| Total dissolved solids (by summation) | 1102 | Total alkalinity (as CaCO ₃) | 310 |
| Sodium chloride (calc: from chloride) | 323 | Total hardness (as CaCO ₃) | 380 |
| Chloride, Cl | 196 | Sodium, Na | 133 |
| Sulphate, SO ₄ | 84 | Potassium, K | 48 |
| Nitrate, NO ₃ | 51 | Calcium, Ca | 47 |
| Bicarbonate, HCO ₃ | 378 | Magnesium, Mg | 64 |
| Carbonate, CO ₃ | | iron (total), Fe | 5•2 |
| Fluoride, F | 28 | Silica, SiO ₂ | 98 |
| | ANALYSIS - AL | DDITIONAL (mg/l) | |
| | | · <u> </u> | |
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| | | WATE | R RESOURCES BRANCH |
| | | | ALICE SPRINGS |
| | | | 12 302 1977 |
| | | | DEPT. OF N.T. |
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The sample as analysed is chemically unsuitable for human consumption according to the 1971 World Health Organisation International Standards for DrinkingWater as the flucride concentration exceeds the recommended limits Of 0.6-0.8 mg/l F, based on the range of the annual average of maximum daily air temperatures Suitable for Stock.

Conformation of discussion on the analysis shown above, can be obtained by contacting the Senior Engineer, Water Quality.



| HOLE N. 13 CO-ORDINATES 7.725.2.40 R.L. GROUND RL GROUND | | | | | | | |
|--|--|-----------|--------------|--------|--|-----------------------|--|
| | D,000 | JKIZQIA I | CORE | TICALU | CCHON | | |
| | DESCRIPTION OF CORE | LOG | RE COVERY | | SAMPLES | | |
| 15.8 -21. 3m | continued | | | - | | San an ang ang | |
| | | | | | | | |
| | 19.0-20.1m Pebbly coarse candstone grading to | | - | | | | |
| | candy gravel at the | | | | | | |
| | base, where angular | 4 | | | | | |
| | grains commonly measure | 1 | | | | | |
| | 70x70x70mm. The quartz 1 | | | | en general de la companya de la com La companya de la co | | |
| * | cpaque. A few appear |] | | | | | |
| | strained and broken. | | | | | | |
| | 19.53-20.1m Brown iron | | - | | * | | |
| | staining occurs within - | | | | | | |
|) | The white clay matrix | | | | | | |
| | shows very line sinews | | | | | | |
| | of mod omide. | | | Cambı | n de la completa de La completa de la co | | |
| | grades from vory coarse | 1 | | | t or Lover | | |
| | cand at the top to | | | | rogoic | | |
| | angular pebbles of | | | | - % / | | |
| | 30x30x30xx at the base. The matrix consists of | | • | • | | | |
| | smaller pubbles, very | 1 1 | | . • | | | |
| | ccerso, sends and a clay | | | 4 | | | |
| | coments. | 1 | | | | | |
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| | | | | | * | | |
| • | = *** ******************************** | | | | | | |
| | UNCONFORMITY V | | | | | | |
| 1.3-23.3m | HEATHERED MICACEOUS | 2.1 | | | | | |
| , | E-HIST Red white and | | | . ' | | i e po | |
| | crange clay give a | | | • | • | | |
| | motiled texture. The make is mainly sericite. | | | | | | |
| | ###\&& ⊴್ರಾ ಮುಮ್ಮಮತ್ತು ಅಶ ಪ್ತುಶ ್ವಳಹ ್ | | | | | | |
| | | | | | | | |
| | | - | | | | | |
| | ## ## ## | | | | | | |
| 03.3-47.0m | WEATTERED QUARTZ-MUSCOV- | | | Lower | Proteregoic | o | |
| | Tre-HIOTUTE SCHIST | | | | or | | |
| | Man grained querts has | , | * | Aroha | 229 | | |
| | a grandar texture. Somo quarta veins occur | | | | • | - | |
| | parallel to schistosity. | | | | 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | |
| | | | 1 | | | | |
| | | | | | Harvey ar | ,41 | |
| | - | | | | en e | and the second second | |
| | | | | | المستنفر الم | | |
| | REFERENCES | LOGGED | | J.P. I | leverd | | |

| 11250 | GEOLOGICAL LOG OF ROTEROZOTC/ARCHARAN? CO-ORDINATES 7.728,2 ANGLE FROM HO COO SESCRIPTION OF CORE VEATHERED QUARTZ-VELE- SPAR-BIOTITE SCHIST. Fine grained biotite, quartz and white clay occur between bands | | | ATTGRAPHIC HOLE | |
|--|--|--|----------------------|--|---|
| 1.250 | WEATHERED QUARTZ-FELE- SPAR-BIOTITE SCHIST. Fine grained bietite, quarts and white clay | | CORE RE COVERY | CANGES. | |
| 11250 | WEATHERED QUARTZ-FELE- SPAR-BIOTITE SCHIST. Fine grained bietite, quarts and white clay | | CORE RE COVERY | CANGES. | |
| | WEATHERED QUARTZ-FELD- SPAR-BIOTITE SCHIST. Fine grained biotite, quarts and white clay | Log | RE COVERY | SAMPLES. | |
| 7,0-56.2m | SPAR-BIOTITE SCHIST. Fine grained biotite, quarts and white clay | | • | | |
| 7.0-56.2m | SPAR-BIOTITE SCHIST. Fine grained biotite, quarts and white clay | riego or particular de la constanta de la cons | | | 1 |
| | SPAR-BIOTITE SCHIST. Fine grained biotite, quarts and white clay | | ţ | · · · · · · · · · · · · · · · · · · · | e e e e la energia |
| | Fine grained biotite, quartz and white clay | † | | A Company | |
| | | 1 | 4 | | |
| | occur between bands | | | Aug 12 mg. | |
| | 19 40 10 10 10 10 10 10 10 10 10 10 10 10 10 | 1 | | | |
| | deminated by blotita | | | | |
| | union and making less | | | | |
| | than 10mm wide. Veins - c2 quartz occur with | | | | |
| 7 | feldspar and muscovite | | | | |
| • | and vary in thickness | | | And the second s | Ì |
| | from 2 to 300mm. They |] | | • | |
| | are of irregular outline | | * | | 1 |
| | hat parallel banding | | | | |
| • | and sohistesity at 15 | | | en e | |
| | Cegrees to X.o.a | | | | |
| | reathered schiat. | | | | |
| | Schistobity varies | į | | A first that we will be a single to the second of the seco | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| | between 20 degrees and | | | | |
| | 30 degrees to l.c.a. | न | i | The first of the second second second second | 1 |
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| | - | i | | | |
| | | 1 | | | |
| | <u>.</u> | | | | 1 |
| | 7 - | | | | |
| B£ 0 EM 4 | YELLOW-GREEN CLAY with | • | | | |
| 56.2-57.1m | coarse brown biotite | | | | |
| | Schistosity is distorted | | | | } |
| | (cfQuartz-amphibole- | | | | |
| _ | garnet gneiss of | 1 | | | 5 · · · · · · · · · · · · · · · · · · · |
| | mn 163(515-520). | | | The state of the s | |
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| | - | | | · · · · · · · · · · · · · · · · · · · | |
| | | 1 | | 2 | |
| | | j |], -/ | | |
| 57.1-64.6m | WEATHERED QUARTZ-MUSCO- |] | - | A COMPANY OF THE STATE OF THE S | |
| ************************************** | VETE-BIOTITE SCHIST | | 1 | | |
| | Cacabo Mackoo of (") | 4 n. :, | | A STATE OF THE STA | |
| | resourable presentate | | 1 | | 1 |
| - | uith irrogular voins of | • | | | |
| | quartz and biotica present. Tight folding | | | | |
| | occurs. Schistosity is | : | J. | | 1 |
| | Compassive of 15 degrees | 4 | } | | |
| | to l.c.a. | | } | the second of th | |
| - | 62.9m A thin voin of | : |] | and the second second | |
| | quarva and dark biotite. | | | |] |
| | 03.0-63.1m A pair of | | | and the second | 1 |
| | tight folds have ends | | | More than the Common section of the Common s | |
| | at 30 degrees to 1.c.a. | 1 | | The state of the s | 1 |
| | OF PEDCHAST | , circan | | J.P. Heward | |
| | REFERENCES | SHEET | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

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|--|---|------------------|---|--|---------------|--------------|--|--|
| EDO ECT MADO | GEOLOGICAL LOG" OF | | | | | | | |
| HOLE No | PROTEROZOTO ARCHAEAN? CO-ORDINATES7.725.2 ANGLE FROM F | HOW . | (S_S4 | RATIO | ZAPHIC UND | -HOL | | |
| LOCATION | ANGLE FROM H | IORIZON | | ., | DIRECTION | <u> </u> | | |
| 1 : 25 | O CORE | LOG | CORE RE COVER | | SAN | PLES | | |
| are the state of t | ELE PRESENTE COME TO PROPERTY OF THE PROPERTY | 1 | | | | | esserio di il cons | The state of the s |
| 77.1-64.6m | continued | 4 | | | I+nč | S. | 18 | |
| | A kinking of the schiston | | | | Z | | | |
| - | aty in the axial region may be the early develop | - | | 1 | VIII. | X | | |
| | ment of an axial plane | | | | 71.H | 41 | 12.30 2.30 | |
| | uleavage. | | <u>.</u> | | 71 | 1 | | |
| 4 | | | | 1 2 | | | | |
| _ | · · | - | | | | | Hinking. | |
| | <u></u> | | | | | 7 | | |
| | e Alle | 1 | | | | Quartz | - | |
| | Minor flexures at 63.4m suggest a dextral sense | 1 | - | | | | | |
| | of movement, when looking | x | | | 4 | | | |
| | vost, assuming the | | | | • . | , | $\operatorname{ce}_{\mathbb{C}} : \mathbb{C}^{\frac{1}{2}} \to \mathbb{C}$ | |
| r e | ochistosity dips horth. (If these micro-folds | | | | | | an ee ar gagaes. Tagaalaa sa s | |
| | reflect the macro-featur | 2,15 g | alder Marchine | | | | | |
| • | the reak cored may nepresent the southern | 4 | | | , | و ميداد ۱۰۰۰ | arker yeta yart Tan | |
| | limb of a recumbent | | | | | | | |
| | anticline, the fold axis | 7 | 1 | | | | 1. | |
| | of which dips north.) Sobistosity varies between | e 32 | | \$ | | | ·• . | 9.7 |
| - | 20 and 40 degrees to | 1 | | | | | | |
| • | ž _e O _e a _e | 1 | | | | | 12. | |
| | | - | | 7 | ъ | | | |
| | | | *************************************** | after an plant and plant | | | | |
| | - | = | | and the state of t | | | | |
| | | 1 | | | | | | |
| | | _ | | | | | *** | 1 |
| <i>(</i> 1, <i>(</i> , <i>n</i> | THE ACTION OF A PARTY | 1 | TAKE P. B. WATER | | | | 61 (7) | : |
| 64.6- 74.65m | WEATHERED QUARTZ - FELDSPAR-BICTITE GARNET | T | | 1 | | * * 1 * | | |
| | CETSU. | 1 | Presidentes | | | · ' | | |
| | Vory similar to 47.0-54. above, but fine laminati | | Selection of the selection of | | | | | |
| _ | are more apparent. | | | | | | • | |
| - | 67.2-67.5m. A band 10mm | 1 | | 67.2m | T.S.(na 86 | ;) | | |
| | balls of rod-brown | 1 | ž. | | | | | |
| | Cornot, conerally exercin | • | | \$ 1 | | • | | |
| • <u> </u> | Schietosity bonds around the garnets, implying | 7 | *************************************** | : | | | ing and the second seco | The state of the s |
| | that it is a pro-tectori | | Arrange | e de la companya de l | | ,arti ra | 1144 1144 1 | - 1 |
| | minoral. Seme add eviden to the destral sense of | 9 | Van | - | | | ing a second of the second of | |
| | movement cited above. | 7-7-1 | | | | • | Comment of the Commen | |
| | | , | | | | , + | | A was made of |
| | REFERENCES | | · · · · · · · · · · · · · · · · · · · | | Hewar | | The second secon | |
| | | SHEET _ | 92_ OF. | 6 _ | DRAWING | 40 | | |

| PROJECT IME PRO | GEOLOGICAL LOG OF TEROZOIC/ARCHAEAN? | DRILL | HC S | LE PRATIC | CRAPHIC I | iole. | |
|------------------------|---|--|----------------------|--|--|--|---------------|
| HOLE Nº DEEL 1 | CO-ORDINATES 7.725.2 | 40Y_ | ج ج نے ب | R.L. GROL | JND | | |
| | NT_CREEK ANGLE FROM H | ORIZONT | Y | RTICAL | DIRECTION | | |
| 1;250 | DESCRIPTION OF CORE | LOG | CORE RE COVERY | erick or any physical property of the control of th | SAMPLES | e e e e e e e e e e e e e e e e e e e | |
| | | + | | | | | |
| 64.6-74.65m | continued | 4 | | | | ار المراجع الم المراجع المراجع | ie 1960. |
| | | - | | E Processor | The same of the sa | | 】 表数点 - 10 |
| | | 1 | | | | * 1. * * * * * * * * * * * * * * * * * * | |
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| | | 1 | | | | in de la viere de la viere La Martin de la viere de l | |
| | N. | 1 | | | | | 3.5 |
| • | Microfolds of 67.1m show | - | | | | - 1 優 - 1 年 - 25 (新) - 2 (1 年 - 25 (新) | |
| | a dextral sense of move- | | | | • | The second secon | |
| 1 | ment when looking west | 3 | | | | en e | |
| | (assuming schistocity - dips north.) | | | | | | |
| | 70.4-71.2m Quartz-foldsp | - 3.27 | | | | e de la companya de La companya de la co | |
| | voins generally parallel- | | | | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | e en la ferman de la completa. La completa de la co | |
| | to the schistosity but | | j | | n de la companya de l La companya de la co | or all y company to the end of th | g wwag liki |
| | sometimes cross-cutting. Miner folds occur at the | | | | | representation of the second | |
| | boundary. | -i | | an canada | in the second of | The second secon | |
| | 71.35m Segregation bands | - 4 | | | A | | |
| | of quarts appear broken | | | | en e | and the second s | |
| | in a band of quartz and | | | | | | <u>₩</u> |
| | Coarse muscovite | | | 1 | | | |
| | quarta schist. As for | 4 | | 4 | | | |
| , | 67.2-67.5m above. | 7 | | | • | | 1 |
| | 72.25-72.35m Chlorite- | | | 7 | 1 | | |
| | carnot-quartz sohist as | | | | | | |
| • | 70.4m Chlorite quartz | - - | 1 | | | | |
| } | schist. Folding appears | 1 | | | | 4. | |
| • • | adjacent to a quartz veil | 1 | | | 2 A.T. | A STATE OF THE STA | |
| | of 80mm width. | | | | • | | |
| • | - | | | | | . 11 | |
| | | 1 | | | | | |
| | | - | | | | or 2 000 x € | |
| 79.65-82.85m | (Las) continuous bands | ************************************** | 1 | | | | |
| | of white quartz alternat | | | - | | | |
| | at irrogular intervals | | | 1 | | | |
| | with groy bands contain- | - - | 7 | - | | in the second | |
| | ing small amounts of | | | | | | |
| | biotite. The grey bands include small, discontin | | | | | Company of the Hope of the Section o | |
| · . | tous bands and lenses of | 4 | - | 1 | | | |
| | quartz (bandinago?) | | | 1 1 1 1 | | | |
| | | L-1 | | | *** | and the second of the second o | |
| | ? | | | | - 0 - 15° / 6 | Spatial and American | 1 |
| | | } | | | | e en | |
| | REFERENCES | | | | Hovard. | <u></u> | |
| | | SHEET_ | 5 of | <u> </u> | DRAWING N' | | |

| | GEOLOGICAL LOG OF | DRILL | . HO | PLE | |
|-----------------|--|-------------------------------|--------------|--|--|
| PROJECT PAR PRO | TEROZOIC/ARCHAEAN? CO-ORDINATES | REMARK | SST | RATIGRAPHIC HOLE. | - |
| HOLE No DEEL 13 | ANGLE FROM H | ORIZONT | ALVICE | TICAL DIRECTION | |
| 1.0 | MACA CABEA | | CORE | | |
| 1 ± 50 | O OOO DESCRIPTION OF CORE | LOG | RE COVERY | SAMPLES | |
| | | | 74 | | |
| • | | } | | | |
| 74.65-82.85m | continued | - | | | |
| | | <u>.</u> | | | |
| | | 1 | | 1 mg/m | |
| - | The rock is very hard | <u></u> | | | C. |
| , | and competent, approx. 6 fractures per meter | 1 | | | |
| | 75.6-75.8m Chloritie | 4 | | | |
| | Schist | - | | | |
| • | 75.9-76.0m Chloritic | -i . | | | - |
| •• | Schiat | - | | | |
| | 81.1-82.0m Highly | - | | _ | |
| | shattered. | | | | |
| | , ' | | - | 11 | |
| | |] | A Company | | |
| ov. | san | 7 | 1 | | 24 d |
| | | 4 | | | |
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| | 4 | \$ 1 | | | and the state of t |
| - | 7 | : - - ! | | 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1 | |
| | | 4.4 | | | • |
| | | → | | The State of the State of the season | |
| | م ع | + | | * | |
| | , | 7 | | | |
| 82.85-83.35m | MICROGRANITE Medium | 1 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| | to coarse grained | | | | |
| /m = 1 | leucocratic quartz- | - | | | . |
| (E.O.H.) | feldspar-chlorite-gyrite microgranite. The upper | | | | |
| - | contact is sharp at | | | | |
| | 30 degrees to 1.c.a. | 1 | | | 1, |
| | 82.85-83.05m Dominantly | 1 | 40 | | |
| | large foldspar crystals. | ╡ | 4 | | 1 |
| | Some bracelation(?) | 7-7- | | | |
| - | infilled with chlorite | 7 | 1 | | |
| | and pyrite. (opp. 1%) 83.05-83.35m Medium |] | | | . |
| | grain size. Approx. 1% | | | | |
| | pyrite. | 1 | * | , | |
| | | 1 | į | Α. | |
| <u>-</u> | - | | | - 1 | |
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| | | - | | in the state of th | |
| | | _ | - } | W. | |
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| | | · · |] | | |
| | REFERENCES | LOGGED | ay | J.P. Haward | |
| | | SHEET | € DE | 6 DRAWING Nº STATES | |

双下 4. 181 THE NORTHERN TERRITORY OF AUSTRALIA Control of Waters Ordinance Regulation 🛊 FINAL STATEMENT OF BORE Name of Bore-Description of Strata From DDH 13 Soil, sand. 0 - 15-8 15-8 - 21.3 Name of Property-Weathered schist. 21.3 - ? TENNANT CREEK STATION Description of Property-PASTORAL Name of Owner-TENNANT CK. PASTORAL CO. Name of Contractor— MINES BRANCH Name of Driller-Complete strata logs to be supplied with Mass Brack Report.

Location of Bore (or supply sketch on back hereof)— Date of Commencement-1.9 km NHES NE SE of (b) DDH2 [RN10927] Date of Completion-Total Depth-(a) Circle appropriate direction. (b) Use known point such as existing bore, homestead, Particulars of Casingoutstation, etc. 5" Strangeter surface easing set in concert block. Additional information of interest about the bore-Diamand dill hole. Particulars of Perforations or Screens-2nd Supply 3rd Supply 1st Supply Water Struck at Samples of strata and water supplies . have been* will be* 2.6 m left at the following trading place-Standing 20-4-77 Water Level Pumping 1 J VERHOEVEN Supply: G.P.H. *Strike out which does not apply. Duration of For office use only-Pump Test Water Level During Test Quality: Good, Fair or Bad Rofa

| | Laboratory Register No. 77/1560 |
|--------------------|--|
| | Date received in Laboratory |
| | 17.6.77 |
| Bottle No ZL 61 | Time of sampling thrs) Date of sampling 3.6.77 |
| ek west rn | 11559 IN 40/488 DDH13 DISCHARGE 0.6 lps |
| RSP 318X | SAMPLER:BLYTH |
| ANALYSIS | - PHYSICAL |
| 7.8 | Colour (Hazen units) |
| 1330 | Turbidity (A.P.H.A. units) |
| 830 | Suspended solids (mg/1) |
| ANALYSIS - C | HEMICAL (mg/1) |
| 1063 | Total alkalinity (as CaCO ₃) 310 |
| 285 | Total hardness (as CaCO ₃) 356 |
| 173 | Sodium, Na 131 |
| 82 | Potassium, K 44 |
| 49 | Calcium, Ca44 |
| 378 | Magnesium, Mg 60 |
| | iron (total), Fe <0.1 |
| 2.5 | Silica, SiO ₂ · · · · · · · · · · · · · · · · · · · |
| ANALYSIS - A | DDITIONAL (mg/l) |
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| | ON PARTIES |
| | A A A A A A A A A A A A A A A A A A A |
| | TO TO TO |
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| | (S) |
| | Bottle No ZL 61 EK WEST RN RSP 318X ANALYSIS 7.8 1330 830 ANALYSIS - C 1063 285 173 82 49 378 |

ANALYSED 8Y:

J.ALCOCK

DATE

DATE

DATE

The sample as analysed is chemically unsuitable for human consumption according to the 1971 World Health Organisation International Standards for Drinking—

REMARKS: Water as the fluoride concentration exceeds the recommended limits of 0.6—0.8

mg/l F, based on the range of the annual average of maximum daily air temperatures

"Information of discussion on the analysis shown above, can be obtained by contacting the Senior Engineer, Water Quality."

Water Resources Branch, Darwin". Suitable for stock.

F. D. ATRINSON, Government Printer, Darwin,

| WATER ANALYSIS | 72510 | Laboratory Register No. |
|---|--------------------|--|
| DEPARTMENT OF THE NORTHERN TERRITORY | • | 77/1559 |
| WATER RESOURCES BRANCH | | Date received in Laboratory 17.6.77 |
| WR 4/1 | Bottle No ZG 74 | Time of sampling (hrs) Date of sampling 3/6/77 |
| LOCATIC AND DETAILS TENNANT CR | eek west Rn | |
| AFTER 60 MINS P/Dis D | DH 13 RSP 3 | 18X SAMPLER: BLYTH |
| | ANALYSIS | - PHYSICAL |
| рН | 7.7 | Colour (Hazen units) |
| Specific conductance (microstemens/cm at 25°C) | 1350 | Turbidity (A.P.H.A. units) |
| Total dissolved solids (mg/l - by evaporation at 180°C) | 860 | Suspended solids (mg/1) |
| | ANALYSIS - CH | IEMICAL (mg/I) |
| Total dissolved solids (by summation) | 1078 | Total alkalinity (as CaCO ₃) 310 |
| Sodium chloride (calc from chloride) | 302 | Total hardness (as CaCO ₃) 365 |
| Chloride, C1 | 183 | Sodium, Na 131 |
| Sulphate, SO ₄ | 82 | Potassium, K 45 |
| Nitrate, NO3 | 50 | Calcium, Ca 46 |
| Bicarbonate, HCO ₃ | 378 | Magnesium, Mg 61 |
| Carbonate, CO3 | | Iron (total), Fe 40.1 |
| Fluoride, F | 2.6 | Silica, SiO ₂ 99 |
| | ANALYSIS - ADI | DITIONAL (mg/l) |
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ANALYSED BY: J.ALCOCK DATE 28 6 77

The sample as analysed is chemically unsuitable for human consumption according REMARKS: to the 1971 World Health Organisation International Standards for Drinking - Water as the fluoride concentration exceeds the recommended limits of 0.6-0.8 mg/l F, based on the range of the annual average of maximum daily air temperatures Suitable for stock.

"internation of discussion on the analysis shown above, can be obtained by contacting the Senior Engineer, Water Quality,

Withir Resources Branch, Darwin".

| WATER ANALYSIS | HOW | Laboratory Register No. | 77/1558 |
|--|---------------|--|---------------|
| DEPARTMENT OF THE NORTHERN TERRITORY | | Date received in Laboratory | |
| WATER RESOURCES BRANCH | Bot*le No | Time of sampling thrst Da | 17.6.77 |
| WR 4/1 | Z. 32 | -1000 | 3.6.77 |
| LOCATION AND DETAILS TENNANT CH | eek west rn | 11559 IN 40/488 DISC | HARGE 0.6 lps |
| AFTER 30 MINS P/Dis | DDH13 RSP | 318X SAMPLER:BLYTH | |
| | ANALYSIS | - PHYSICAL | |
| рН | 7.7 | Colour (Hazen units) | . |
| Specific conductance (microsiemens/cm at 25°C) | 1390 | Turbidity (A.P.H.A. units) | .: |
| Total dissolved solids (mg/l - by evaporation at 180°C) | 840 | Suspended solids (mg/l) | |
| | ANALYSIS - CI | HEMICAL (mg/l) | |
| Total dissolved solids (by summation) | 1102 | Total alkalinity (as CaCO3) | 310 |
| Sodium chloride (calc from chloride) | 323 | Total hardness (as CaCO ₃) | 380 |
| Chloride, Cl | 196 | Sodium, Na | 133 |
| Sulphate, SO ₄ | 84 | Potassium, K | 48 |
| Nitrate NO3 | 51 | Calcium, Ca | 47 |
| Bicarbonate, HCO3 | 378 | Magnesium, Mg | 64 |
| Carbonate, CO ₃ | ···· | Iron (total), Fe | 5•2 |
| Fluoride, F | 28 | Silica, SiO ₂ | 98 |
| | ANALYSIS - AD | DITIONAL (mg/I) | |
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ANALYSED BY: J.ALCOCK

The sample as analysed is chemically unsuitable for human consumption according to the 1971 World Health Organisation International Stamdards for Drinking
REMARKS Water as the fluoride concentration exceeds the recommended limits Of 0.6-0.8 mg/l F, based on the range of the annual average of maximum daily air temperatures Suitable for Stock.

**Intermation of discussion on the analysis shown above, can be obtained by contacting the Senior Engineer, Water Quality,

Sater Resources Branch, Darwin*