

| 6 | GICAL SURVEY OF GREAT BRITAIN F SHAFT OR BORE FOR MINERALS | (For Sur | Register | ed No. | |
|------------------------------|--|-------------|---|---------------------------------------|---|
| Name of Shaft or Bore | given by Geological Survey: ORKSHIRE 597 A | 46 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | |
| Name and Number give | n by owner: | Nat. Grid R | eference | <u> </u> | |
| | WUTURY | 452 | 2 6 | 526 | |
| For whom made | | 'N.S. Map | 1′0.8. | · · · · · · · · · · · · · · · · · · · | idential |
| | County | No. | No. | | r not |
| Exact site | Attach a tracing from a map, or a sketchmap, if possible. | | | | |
| Purpose for which made | | | | neft | |
| Ground Level at bore | relative to O.D. If not ground level give O.D | of beginni | ing of b | ore 9 (3 | |
| Made by | | | | 1963 | *************************************** |
| Information from 3 | | Date rec | e;ved | | ********** |
| Examined by D 1 | | | | | |
| | | | | | |
| (For Survey use only) | | Тикс | CNESS | DEPT | пн |
| GEOLOGICAL CLASSIFICATION | DESCRIPTION OF STRATA | FT | in. | FT | in |
| | Claración matter sonor. | | | 2 | 6 |
| | Charles Carbona Commercia | -J-L | | 4 | 6 |
| 8 S 1 | che aline will be store souls | | | 5 | 6 |
| goe samples. | | | | 7 | 6 |
| 69 | Description all its formand | | | 12 | 6 |
| 00 | hita a il at land | <i>]</i> | | 14 | 0 |
| | Sandston and thingsind | | | \5 | 0 |
| | Sparadic corbanacioni miacioni | | | | |
| | | li . | 1 1 | | - 1 |
| | o cabana 1 | | | | |
| | l gedaci. | | 6 | 16 | 0 |
| | Plat Graymets (combineras) spoods | | 0 | 16 | 0 |
| | Plant fragments (combineram) spoodis Million garages tradition radius cod | | | | |
| | Plant fragmets (contraction) spoodis Militar grants (contraction) spoodis Spoodis traction radius, cod | 24 | 0 | 16 | |
| | Plat Graymets (combineras) spoods | 24 24 | 0 | | |
| | Plant fragmets (contraction) spoodis Militar grants (contraction) spoodis Spoodis traction radius, cod | | 0 | | |
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| <u>_65</u>) | Plant fragmets (contraction) spoodis Militar grants (contraction) spoodis Spoodis traction radius, cod | | 0 | | |
| ACS) | Plant fragmets (contraction) spoodis Militar grants (contraction) spoodis Spoodis traction radius, cod | | 0 | | |



RECORD OF BOREHOLE NO. 5974

Ground level: 317.5ft. above 0.0. Newlyn (2.4.63)

Dia. of boring: 8X (tein.cere) to 40ft.

| Daily | Core Recov | ery M | Ch | ange of | trata | SK46NE 76 | |
|--|---|---------------------------|--------|----------------|---|--|------------|
| Progress | Depth | Persons age or Type | Legend | Dopth | O.D. Lavel | Description of Strates 4522 6524 | |
| | 1'0" - 2'6" 3'0" - 4'6" 5'6" 5'6" 6'0" - 7'6" | n (m) | | 10'0" | 916-2* | Soft becoming stiff mottled grey and brown sity CLAY with some shall fragments, occasional coal fragments | ~ |
| 20.3.43 | 11'0" - 12'6' 12'6" 15'0" 15'0" | U(A) 0 80 | | 15'0" 16'0' | 302.5 301.5 | Very stiff grey shaly silty CLAY becoming weathered grey silty shale below about 13ft. depth. Grey fine SANDSTONE | |
| | | 701 | | 18 9 | | Dark grey SHALE | |
| .4.63 | 35'0" | 60% | | | | | |
| | 40 *0* | | | 10.0. | 2015 | | |
| | | | | | | | |
| e e e e e e e e e e e e e e e e e e e | | | | | | | |
| (4) - 4 (14) - 1 0 - 6 0 - 8 () - 8 () - 6 o. in brack | isturbed sample. ulk disturbed samp rater sample. tandard penetration ynamic cone penet est. | ole, n test. ration | Grou | nd-wate | CONTRACTOR | st encountered at depth of lift. below ground sample. | le |
| | | | LONG | 400 | Y OF TRAN | SPORT Soils No. MOTORWAY 3/3547 |) : |
| | | | TROW | ELL TO | BARLBORO | OGH SECTION FIG.2 | • |



| GEOLOGICAL SURVEY OF GREAT BRITAIN RECORD OF SHAFT OR BORE FOR MINERALS Name of Shaft or Bore given by Geological Survey: | 6-inch Map | Registered N | |
|--|------------------|---------------------------------|---------------------|
| Name and Number given by owner: | Nat. Grid F | Reference | |
| For whom made | 1°N,S.Map No. | 1°O.S.Map No. | Confidential or not |
| Purpose for which made Ground Level at shaft relative to O.D. If not ground level give C Made by Information from Examined by | Date rec | ing of shaft bore sinking | 913 913 |
| SPECIMEN NUMBERS AND ADDITIONAL I | NOTES | | |

| (For Survey use only) | | THICKNESS DEPT | | | |
|------------------------------|--|----------------|----------|----------------|-----|
| GEOLOGICAL CLASSIFICATION | DESCRIPTION OF STRATA | FT | in. | FT | ir |
| | er seed the seed and seed the | | - | | _ |
| | when the color was | | | \overline{n} | 0 |
| | Sometime pale apony, fine aponine will | | | | |
| | C family | | | .9 | 2 |
| | Sand the good of the formand | | | 23 | 0 |
| | water gray. | | | 26 | (|
| | hard a | | | 31 | 2 |
| | malian | | | 39 | د ا |
| | Saistar fi gains | | | 40 | 0 |
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| Depth began laged Depth 0.b. Level 1'6' - 3'0' 18 18 160' 326.2 TOPSOIL 1'6' - 3'0' 0 18 18 18 18 18 18 18 | JUE 76 | SKYGU | trata | ange of S | Ch | nd Auger | Core Recove | |
|--|-------------------|---------------------------------------|-----------|-----------|----------------|----------|--|--------------------------------------|
| 1'6" 324.3 TOPSOIL 1'6" - 3'0" U(8) 5'0" - 8'0" BD 10'0" BD 11'6" - 31'0" U(8) 12'0" D 13'0" D 15'0" D | | Description of Strats | | | | | | ially igress |
| 1'6' - 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 30 3'0' 3'0' 30 3'0' | | Topsoil | | | /// | Type | Deptin | |
| Store | MAY with | | | | | u(#) | 1'6" - 3'0" | 2.0 |
| 10'0' 30 11'6' 510.6 11'6' 510.6 11'6' 13'0' 10'0' 30 17'0' 30.5.2 17'0' 30.5.2 19'0' 25'0' 50 25'0' 25'0' 25'0' 25'0' 25'0' 25'0' 25'0' 25'0' 30'0' 31'6' 31' | | some fragments of sandstone | | | | | | |
| 11'6" BD 11'6" BD 11'6" BD 11'6" 13'0" 15'0" BD 15' | | | 315.3 | 7'0' | | B(E) | 6'6" - 8'0" | |
| 11'0' 15'0' | | COAL and shally COAL | | | Eng Street Top | 0 | 8'0" | |
| 13*10* 0 17*10* 0 17*10* 305.9 3.69 19*0* 99 19*0* 99 19*0* 99 19*0* 25*0* 25*0* 25*0* 25*0* 25*0* 25*0* 90 19*0* 25*0* 90 19*0* 25*0* 90 19*0* 305.9 25*0* - 26*6* 0 19*0* 30*0* | | | 310.8 | 11'6" | | | | |
| 2.69 17'0" D 17'0" 305.9 | ments and | Stiff grey silty CLAY with fragments | | | | n(#) | | |
| 2.69 29*0* 29*0* 19*0* - 25*0* 8D 25*0* - 26*6* 20*0 | | bands of weathered gray shale | | | | | | |
| 23*0° D 19*0° - 25*0° BD 25*0° - 26*6° UIA 31*6° D 30*0° - 31*6° UIA 31*6° D 35*0° - 36*0° UIA 35*0° - 39*0° BD 35*0° - 39*0° BD 35*0° - 39*0° BD 39*2° D 39*2° D 30*0° - 31*6° BIA 31*0° D Remarks: (Observations on ground-water, etc.) (4) - 4 in. dia. undisturbed sample. (4) - 4 in. dia. - bulk disturbed sample. - bulk disturbed sample. - bulk disturbed sample. - as Full penstration of sample root attained. | | | 909.3 | 1/ 4" | | 9-6-23 | | |
| 29*0" 25*0" 25*0" 80 25*0" 297.3 25*0" 25*6" 0 25*0" 31*6" 0 35*0" 36*0" 0 35*0" 39*0" 80 39*0" 80 39*0" 289.0 30*0" 0 30*0 | | Cray_prove fine SMDSTONE | | | | | der. | 3.69 |
| 25'0" - 26'6" 26'6" 30'0" - 31'6" 31'6" 35'0" - 36'0" | | | | | | WAY 2 29 | 240.71 (1,244.0,499.00.0) | |
| 26'6' D 30'0" - 31'6' U(a) 31'6' D 35'0" - 36'0" U(a) 35'0" - 39'0" 80 39'3" D 39'3" D 30'0" 282.3 Grey and brown SANDSTONE **Cound-water was first encountered at depth of 8ft. heims build sturbed sample built disturbed sample built disturbed sample built disturbed sample built disturbed sample sa Full penetration of sample root attained. | | | 297,3 | 25'0" | | | | |
| to type of sample: (4) — 4 in. dia. undisturbed sample. disturbed sample. but disturbed sample. (4) — 4 in. dia. undisturbed sample. (5) — bulk disturbed sample. (6) — 4 in. dia. undisturbed sample. (6) — 8 in. dia. undisturbed sample. (6) — 9 in. dia. undisturbed sample. (6) — 9 in. dia. undisturbed sample. (7) — 9 in. dia. undisturbed sample. (8) — 9 in. dia. undisturbed sample. (8) — 9 in. dia. undisturbed sample. (9) — 9 in. dia. undisturbed sample. (10) — 10 in. dia. undisturbed sample. (11) — 10 in. dia. undisturbed sample. (12) — 10 in. dia. undisturbed sample. | | | | | | | 25°0° - 26'6° 26'6" | |
| to type of sample: (4) — 4 in. dia. undisturbed sample. disturbed sample. but disturbed sample. (4) — 4 in. dia. undisturbed sample. (5) — bulk disturbed sample. (6) — 4 in. dia. undisturbed sample. (6) — 8 in. dia. undisturbed sample. (6) — 9 in. dia. undisturbed sample. (6) — 9 in. dia. undisturbed sample. (7) — 9 in. dia. undisturbed sample. (8) — 9 in. dia. undisturbed sample. (8) — 9 in. dia. undisturbed sample. (9) — 9 in. dia. undisturbed sample. (10) — 10 in. dia. undisturbed sample. (11) — 10 in. dia. undisturbed sample. (12) — 10 in. dia. undisturbed sample. | | | | | | | | |
| to type of sample: (4) — 4 in. dia. undisturbed sample. (4) — 4 in. dia. undisturbed sample. (5) — 4 in. dia. undisturbed sample. (6) — 4 in. dia. undisturbed sample. (6) — 5 in. dia. undisturbed sample. (6) — 5 in. dia. undisturbed sample. (7) — 6 in. dia. undisturbed sample. (8) — 5 in. dia. undisturbed sample. (9) — 5 in. dia. undisturbed sample. (9) — 6 in. dia. undisturbed sample. (10) — 6 in. dia. undisturbed sample. (11) — 6 in. dia. undisturbed sample. (12) — 6 in. dia. undisturbed sample. (3) — 6 in. dia. undisturbed sample. (4) — 6 in. dia. undisturbed sample. (5) — 6 in. dia. undisturbed sample. (6) — 8 in. dia. undisturbed sample. (7) — 6 in. dia. undisturbed sample. (8) — 6 in. dia. undisturbed sample. (9) — 6 in. dia. undisturbed sample. (12) — 6 in. dia. undisturbed sample. (13) — 6 in. dia. undisturbed sample. (4) — 6 in. dia. undisturbed sample. (5) — 6 in. dia. undisturbed sample. (6) — 6 in. dia. undisturbed sample. (8) — 6 in. dia. undisturbed sample. (9) — 6 in. dia. undisturbed sample. (14) — 6 in. dia. undisturbed sample. (15) — 6 in. dia. undisturbed sample. (16) — 6 in. dia. undisturbed sample. (17) — 6 in. dia. undisturbed sample. (18) — 6 in. dia. undisturbed sample. (18) — 6 in. dia. undisturbed sample. (18) — 6 in. dia. undisturbed sample. | silty CLAY | Stiff to very stiff grey shally eilty | | | | | 30'0" - 31'6" 31'6" | |
| to type of sample: (4) — 4 in. dia. undisturbed sample. — disturbed sample. — bulk disturbed sample. — sample sample. **Sample sample sample sample sample. **Sample sample | ale | with bands of weathered grey shale | | | 14 | | | .63 |
| to type of sample: (4) — 4 in. dia. undisturbed sample. — disturbed sample. — bulk disturbed sample. — bulk disturbed sample. — bulk disturbed sample. — bulk disturbed sample. — sa Full penstration of sample not attained. | | | | | | | 35'0" - 36'0" | |
| to type of sample: (4) — 4 in. dia. undisturbed sample. (b) — 1 in. dia. — disturbed sample. — bulk disturbed sample. **Sample sample sample sample. | | | 283.0 | *39'3' | | | 35'0" - 39'0" | |
| (4) — 4 in. dia, undisturbed sample. (14) — 12 in. dia. — disturbed sample. — bulk disturbed sample. — sa Full penetration of sampler not attained. | | Grey and brown SANDSTONE | 282.3 | 10.04 | | | | .63 |
| (4) — 4 in. dia, undisturbed sample. (14) — 12 in. dia. — disturbed sample. — bulk disturbed sample. — sa Full penetration of sampler not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 12 in. dia. — disturbed sample. — bulk disturbed sample. — sa Full penetration of sampler not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 12 in. dia. — disturbed sample. — bulk disturbed sample. — sa Full penetration of sampler not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 12 in. dia. — disturbed sample. — bulk disturbed sample. — sa Full penetration of sampler not attained. | * | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. — bulk disturbed sample. *** Full penatration of sampler not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. — bulk disturbed sample. *** Full penatration of sampler not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. ** Full penetration of sample not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. — bulk disturbed sample. *** Full penatration of sampler not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. ** Full penetration of sample not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. — bulk disturbed sample. *** Full penatration of sampler not attained. | | | | | | | | |
| (4) — 4 in. dia, undisturbed sample. (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. — sample — sample. — bulk disturbed sample. — sample — sam | | | | | | | | |
| (14) — 14 in. dia. — disturbed sample. — bulk disturbed sample. — sa Full penetration of sample not attained. | | ons on ground-water, etc.) | Observati | arks : ((| Rem | | CONTRACTOR DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TRANSPO | Name and Address of the Owner, where |
| - bulk disturbed sample. ** Full penstration of sampler not attained. | pelem ground | | | | | sample. | li in, dia | (14) 1 |
| | | of sampler not attained. | etration | Full pen | ** | | bulk disturbed samp water sample. | t |
| () — standard penetration test. () — dynamic cone penetration test. | | | | | | ration | dynamic cone penet test. | ()-6 |
| in brackets gives of blows/t2 in, penetration. | | | | | , | ١. | kets gives vs/12 in. penetration | in brack of blow |
| MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY | Soits N 3/3547 | | | | 1 4 11 | | /\$\\ | |