



LONDON MIDLAND AND SCOTTISH RAILWAY COMPANY.

E.R.O. 41586

Telephone : 304
Extension : 31.

Telegrams :
Marine LMS Holyhead

Marine Supt. & Harbourmaster,
Captain K. N. MACKENZIE

MARINE DEPARTMENT,

HOLYHEAD,



In your reply please
quote this reference

YOUR REFERENCE

18th September, 1942

SH28/1

E.F. Bunt, Esq.,
Richard Jones Hall,
University College,
Barnet.

Dear Sir,

GLAN Y GONG. BORE HOLE.

With reference to your letter of the 26th ultimo.

The bore hole in question is the property of the L.M.S. Railway company, but the water from same has not been used during the past four years for drinking purposes, on instructions from the Company's Chemist.

I have marked on the tracing the site of the bore hole in question and the additional information you require is as follows

- (2) Yield is 1200 gallons per hour.
- (3) Level of water below well top when not pumping 4' 0".
- (4) Level of water below well top when pumping 25' 0".

Yours faithfully,

For G.E. MATTHEW

(III) (a) Have measurements been made from which the data for levels can be converted to records of discharge of:—

- (1) rivers and streams
- (2) reservoirs
- (3) lakes
- (4) canals or navigable waterways

(b) If so, how have these measurements been made (e.g., by current meters, velocities of floats, surveys of sections, calibration of weirs, records of water used for locking, etc.)?

(IV) (a) Are records kept in the case of springs breaking overground of the amount of water yielded?

(b) If so, what form of recording is used?

(c) How often are readings taken?

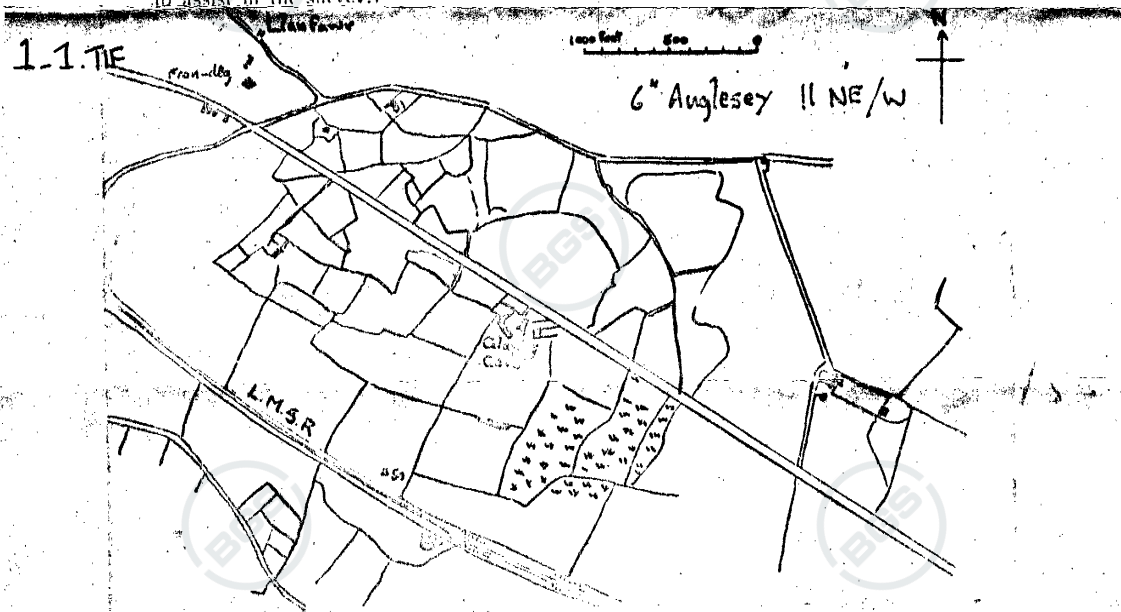
(d) Exact location of the spring. (A map or sketch would be helpful.)

(V) Since when have the records under I, II, III and IV been kept?

(VI) Are past records available?

(VII) REMARKS.

(Please indicate here any further information or particulars which may be thought likely to assist in the survey.)





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II. If systematic measurements of water levels are made, state whether these include:—

- (a) Pumping levels, 25' Below water (b) Rest levels 4' Below water
- (c) Time of recovery to rest level on cessation of pumping
- (d) Changes in pumping level, if rate of pumping is altered.

Also state: (e) at what intervals records are taken (i.e., daily, weekly, etc.)

Occasionally

Please furnish a specimen graph of records taken over as long a period as available (up to 1 year).

III. If measurements are made only occasionally, please indicate what is, or has been, done in this respect and furnish examples of any graphs or figures available.

IV. YIELDS.

- (1) Number of gallons pumped per hour 1300
- (2) Is pumping continuous? No
- (3) If not, how many hours pumping per day? 12
- (4) Maximum daily yields available

Estimated 3,200 galls.

Based on actual tests

V. If a section or record of strata can be given please attach to this form.

~~VI. If a chemical analysis can be given, please attach.~~

- (2) If not state hardness
- (3) For what purpose is the water used? Domestic

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(B) UNDERGROUND WATER—(WELLS AND BORINGS).

(In each case please state whether a well and/or boring is in question.)

I. GENERAL.

1. Exact site of well or boring ...
(A map or sketch showing position would be useful.)

Glan y Cors. (see 6" Aug. 1903)
11 NE / W. water D. 10 ft.

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2. Surface level of ground above Ordnance Datum ... ft.

3. Date of construction ... 1903.

WELLS.

4. Depth of well from surface level of ground (i.e., 2 above). If top of well is below the surface level of the ground (i.e., 2 above) state how much ... ft.

5. Depth of floor of galleries at site of well; also dimension and direction of galleries ... ft.

BORINGS.

6. Depth of boring from surface level of ground (i.e., 2 above). If boring is in bottom of well, state depth of well ... 30 ft.

7. (a) Diameter of top of boring ... 10 in.

- (b) Diameter of bottom of boring... 10 in.

8. Tubed from top of boring to ... 30 ft.

9. Lining tubes perforated at depths of ... 26' 6" to 30' 0" ft.

10. Water struck during boring at depths of ... ft.

11. What was rest level on completion of boring? ... 2' 10"

WELLS AND BORINGS.

12. Is the water raised by pump or air lift? ... Pump

13. Depth from top of well or boring to bottom of suction pipe ... 30 ft.



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Inland Water Survey for Great Britain.

Name or Description of
Authority or Undertaking.....

Lincs Rhy.

Postal Address.....

Holyhead Station

(A) OVER-GROUND WATER.

(i) (a) Do you take systematic records of levels of
water in:—

- (1) rivers
- (2) streams
- (3) reservoirs
- (4) lakes
- (5) canals or navigable rivers

(b) If so, please give a short description of the
method used.

(c) How often are the readings taken?

(d) Exact points at which the records are taken.
(A map or sketch would be helpful.)

(e) Have the levels been related to Ordnance
Datum Level or to some other standard (in
the latter case please specify standard)?

(f) Are all the levels (e.g., highest and lowest)
covered satisfactorily by the records taken?

(g) Are arrangements made for extra readings
during rise and fall of floods, etc.?

(ii) What types of systematic records of discharge
other than records of levels are kept as
regards:—

- (1) rivers
- (2) streams
- (3) reservoirs
- (4) lakes
- (5) canals or navigable waterways