



Cyfoeth Naturiol Cymru
Natural Resources Wales

Water Resources LICENCE TO

IMPOUND

WATER

Water Act 2003
Environment Act 1995
Water Resources Act 1991 as amended
by the Water Act 2003
Water Resources (Abstraction and
Impounding) Regulations 2006
Natural Resources Body for Wales (Functions)
Order 2012

IMPORTANT NOTES

Need for safekeeping

This licence is an important document and you should keep it safe, probably with the deeds to the land.

The impounding works may also be conditional on, or otherwise involve, you entering into a related agreement with Natural Resources Wales. This may be registered and will bind the land. It will therefore affect not only you, as the licence holder, but also your successors in title to the land. This licence and any such Agreement should therefore be disclosed on any change of title or occupation.

Scope of this licence

This licence has effect only for the purposes of Part II of the Water Resources Act 1991 as amended by the Water Act 2003. In granting this licence, and in considering any drawings submitted, you should assume that Natural Resources Wales has taken into account only considerations relevant to the conservation and proper use of water resources in the area. Grant of this licence does not imply that Natural Resources Wales has approved the details of construction of the impounding works, including whether the proposed construction is adequate or safe. The licence holder is entirely responsible for ensuring compliance with all other requirements. Grant of this licence does not in any way suggest that these have been fulfilled.

Changes to the impounding works or revocation of this licence

If you want to alter the impounding works and/or the way you operate them, you will need to vary the terms of the licence (and, if applicable, the related agreement). If you want to revoke this licence, you may be required to satisfy certain conditions that Natural Resources Wales may specify for the removal of the works. Contact Natural Resources Wales at the address at the bottom of the front page of this licence if you want to vary or revoke this licence.

Transfer of this licence

If you need to pass this licence to someone else, you must contact Natural Resources Wales and obtain the appropriate application forms. The licence holder remains responsible for compliance with the terms of the licence until it has been transferred.

Death or bankruptcy of the licence holder

If a licence has been 'vested' in you, as a result of the death or bankruptcy of the licence holder, please contact Natural Resources Wales in writing, telling us the licence number(s) and the date that the licence vested in you as a personal representative or trustee of the licence holder. This is necessary in order to enable you to subsequently transfer the licence.

'Vesting' is the transfer of responsibility and ownership of a licence when an existing licence holder is no longer able to hold the licence either through death or bankruptcy.

You do not have to complete a form, but you must notify us in writing within 15 months of the date of vesting, giving the full names of all personal representatives or trustees and a contact address.

Other requirements for impoundments

Depending on circumstances, you may also have to comply with other legal requirements, i.e. apart from obtaining this licence, before carrying out or operating the impoundment. These may include:

- obtaining consent from Natural Resources Wales under section 109 Water Resources Act 1991 (relating to structures on main rivers);
- obtaining consent under section 23 Land Drainage Act 1991 from Natural Resources Wales or the relevant internal drainage board (relating to obstructions in watercourses);
- obtaining planning permission from the planning authority;
- complying with requirements of the Reservoirs Act 1975 (in relation to safety of larger raised reservoirs). Natural Resources Wales' predecessor the Environment Agency, became the regulatory body on 1 October 2004.
- obtaining consent from the owner of the other bank of the watercourse to the proposed impoundment;

- not contravening pollution control provisions of the Water Resources Act 1991, particularly in relation to allowing matter to be carried away in suspension when sluices etc. are opened;
- complying with the provisions of the Salmon and Freshwater Fisheries Act 1975 relating to the passage of fish.

Some of these matters are under the control of Natural Resources Wales, but for administrative and legal reasons are kept separate from the issue of this licence. If you require information or assistance about them, contact Natural Resources Wales, and you will be directed to the right person to help you.

For advice about planning permission, contact the appropriate authority. The planning authority will normally be the district, borough or city council.

Offences

This impounding licence authorises you, the licence holder, to obstruct or impede the flow of a specified inland water at a specified point by means of impounding works.

"Impounding works" means either, any dam, weir or other works by which water may be impounded; or, any works for diverting the flow of waters in connection with the construction or alteration of such dam, weir or other works.

Under the Water Resources Act 1991 it is an offence to construct or alter, or cause or permit any other person to construct or alter, any impounding works in inland waters or cause or permit the flow of any inland waters to be impeded or obstructed at any point by means of impounding works unless:

- an impounding licence is in force;
- the flow of the inland waters is not obstructed or impeded except to the extent and in the manner authorised by a licence;
- any other requirements of the licence, whether as to provision of compensation water or otherwise, are complied with.

It is an offence knowingly to make false statements for the purpose of obtaining a licence.

It may be an offence not to comply with the other legal requirements mentioned above for details, check with Natural Resources Wales or the authority concerned.

Right of appeal

If you are dissatisfied with our decision on your licence application, you may appeal.

If you are in England, you should write to the Secretary of State for Environment, Food and Rural Affairs, care of The Planning Inspectorate at:

Room 4/19 Eagle Wing, Temple Quay House, 2 The Square,
Temple Quay, Bristol, BS1 6PN.
The telephone number is 0117 372 8235.

If you are in Wales, you should write to Welsh Government care of The Planning Inspectorate at:
Crown Buildings, Cathays Park, Cardiff, CF10 3NQ.
The telephone number is 029 2082 3857.

You must serve notice of appeal within 28 days of the date of receipt of this licence (although the Secretary and Welsh Government have power to allow a longer period for serving notice of appeal). See Water Resources Act 1991, section 43.

Disclosure of Information

Information about this licence is available on the public Register held by Natural Resources Wales. Members of the public are also entitled to ask us for other "environmental information" it holds, including any activities likely to affect "the state of any water" or any "activities or other measures designed to protect it". That would include the information additional to the licence document e.g. any related agreement. In certain restricted circumstances it is possible to claim that information should be kept confidential. If you require more information about keeping information off the public register because it is confidential, please contact us by writing to the address shown at the bottom of the front page of the licence within 28 days of receiving this licence.



LICENCE TO IMPOUND WATER

The Natural Resources Body for Wales (hereafter referred to as "Natural Resources Wales") grants this licence to:-

The National Trust for Places of Historic Interest or Natural Beauty
Heelis
Kemble Drive
Swindon
SN2 2NA

("the Licence Holder")

Registered Charity number: 205846

This licence authorises the Licence Holder to obstruct or impede the flow of the inland water described in the schedule of conditions (to extent and manner authorised by those conditions) to this licence and subject to the provisions of that Schedule.

The licence commences from the effective date shown below, subject to condition 4.9.

Signed

Date of issue.....09 May 2013

Date effective.....09 May 2013

Anwen Davies
Permitting Team Leader
Wales Permitting Centre (Cardiff)
Natural Resources Wales
Cambria House
29 Newport Road
Cardiff
CF24 0TP

Date of original issue..... 16 February 2012

This licence should be kept safe and its existence disclosed on any sale of the land and the impounding works to which it relates.

Note: References to "the map" are to the map which forms part of this licence.
References to "the Body" are to the Natural Resources Body for Wales or any successor body.

SCHEDULE OF CONDITIONS

1. NAME OF INLAND WATER TO BE IMPOUNDED

- 1.1 Inland water (river) known as the Afon Gorsen at Hafod y Llan near Beddgelert, Gwynedd.

2. POINT OF IMPOUNDMENT

- 2.1 At National Grid Reference SH 62247 50915 at the point marked "Point A" on the map.

3. MANNER AND EXTENT OF IMPOUNDMENT

- 3.1 The modifications to an existing weir structure to install an intake screen, residual flow notch and 160 millimetre diameter gravity feed penstock pipe shall be undertaken in accordance with specifications and drawings '12-165-01', '12-165-02' and '12-165-03' dated January 2013 and appended to this licence, or such minor amendments to those documents that are accepted in writing by the Body prior to the date of commencement of construction.

4. FURTHER CONDITIONS

- 4.1 For the purposes of the licence, references to 'hydropower scheme' shall mean all works that include the intake works consisting of a concrete weir equipped with a coanda screen, 160 millimetre diameter gravity feed penstock pipe, residual flow notch, Pelton turbine and screen situated on the discharge outlet pipe.
- 4.2 During the construction works, any subsequent maintenance works and when abstraction for the purpose of power production is not taking place, flows in the watercourse shall be allowed to pass downstream unchanged in quantity and quality at all times.
- 4.3 No water shall be abstracted unless the rate of flow in the Afon Gorsen immediately downstream of the authorised point of abstraction, "Point A" as specified in condition 2 above is (i) equal to or greater than 5.5 litres per second and (ii) the abstraction hereby licensed does not cause the flow immediately downstream of "Point A" to fall below such rate (subject to condition 4.4).
- 4.4 During periods of abstraction for the purpose of power production, the flow passing this impoundment shall be equal to or greater than 40% of the flow in the Afon Gorsen above 5.5 litres per second.
- 4.5 The Licence Holder shall confirm in writing that the hydropower scheme has been constructed in accordance with the submitted specifications and drawings and the conditions in this licence before the scheme is commissioned and becomes operational.
- 4.6 The Licence Holder shall operate and maintain the hydropower scheme in accordance with the specifications and drawings referred to in condition 3.1 of this licence and keep it free from leakage and obstruction at all times.

- 4.7 i) The aperture of the mesh screen specified in condition 4.1 shall not exceed 1 millimetre.
- ii) The Licence Holder shall maintain the mesh screen in good condition and keep records of any maintenance.
- 4.8 i) The Licence Holder shall measure the flow through the “residual flow” notch immediately after construction and at five yearly intervals in 2015, 2020 & 2025 or as otherwise directed in writing by the Body.
- ii) Records of the above measurements shall be sent to the Body by 1 August 2015, 2020 & 2025 or within 28 days of being so directed in writing by the Body.
- 4.9 This licence shall cease to be of any effect if the impounding works authorised by it have not commenced within 3 years of the licence issue date.

ADDITIONAL INFORMATION

Note: the following information is provided for information only. It does not form part of the licence.

REASONS FOR CONDITIONS

Conditions 4.1 & 4.5: to ensure the scheme is constructed, operated and maintained in accordance with the specifications and drawings agreed.

Conditions 4.2, 4.4 & 4.8: To ensure a flow is maintained in the watercourse in order to maintain the riverine habitat for the conservation of the flora and fauna of the Afon Gorsen and protect the interests of existing downstream lawful users of water.

Condition 4.7: to prevent the entrapment, entrainment or impingement of fish.

Condition 4.8: to ensure compliance with condition 4.3 and the abstraction regime permitted in the abstraction licence relating to this site.

Condition 4.9: to secure the proper use of water resources and to avoid commitment of water resources to an abstraction right that cannot be exercised.

IMPORTANT NOTES

This impoundment licence facilitates the abstraction of water for a hydropower scheme authorised under licence serial number WA/065/0004/001.

For the purpose of conditions 4.4 & 4.7 the Licence Holder shall contact:

Area Environment Planning Team
Natural Resources Wales
Llwyn Brain
Parc Menai
Bangor
LL57 4DE

Email: aep.nwales@cyfoethnaturiolcymru.gov.uk

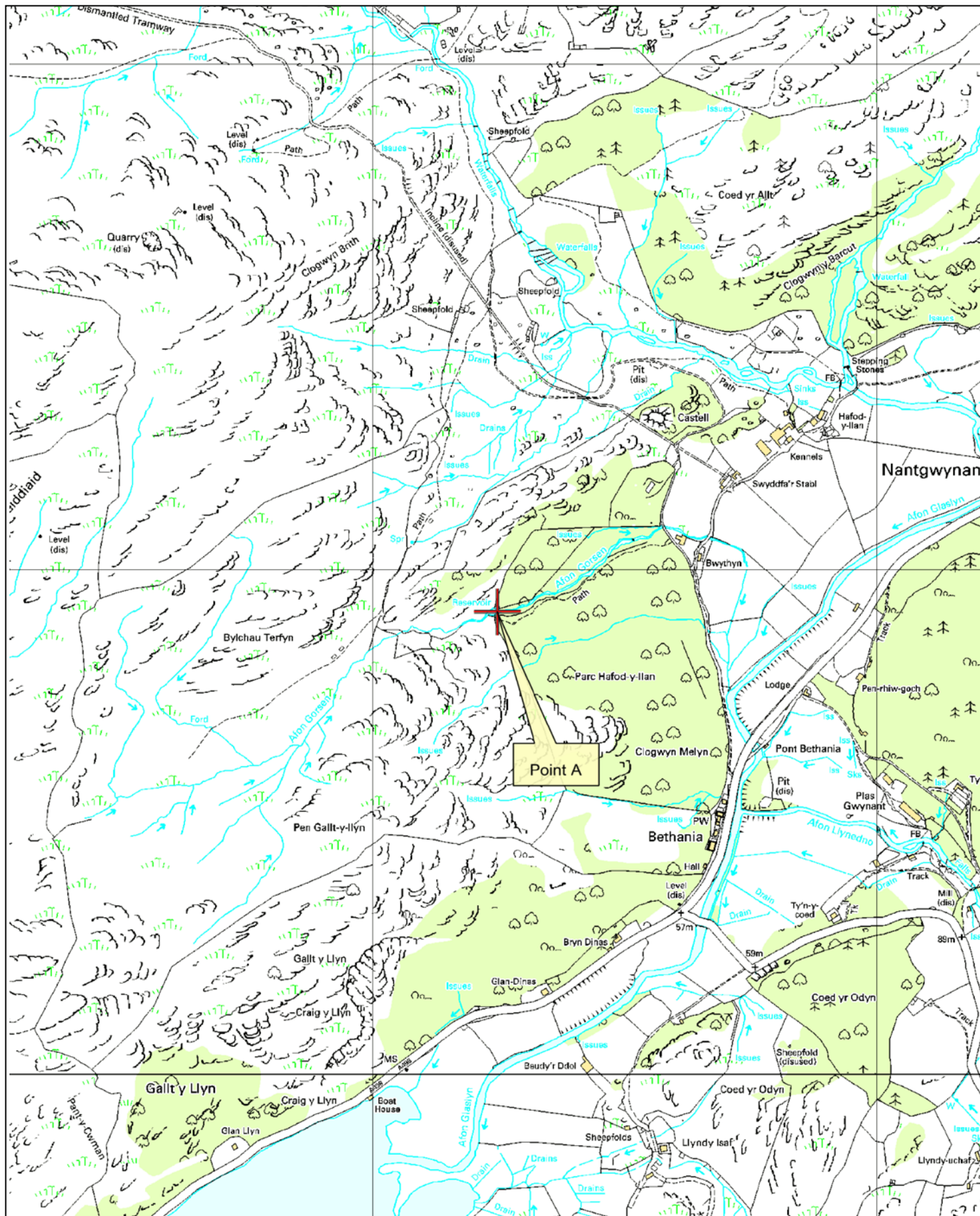
Telephone: 0300 065 3000

Screening

The Body will have regard to its *Screening for Intakes and Outfalls: a Best Practice Guide* (or equivalent guidance) in agreeing where, how and what type of fish screen should be installed and together with the results of any monitoring in determining whether the fish screen is properly effective and maintained, and in judging whether is necessary to require repair or replacement of the fish screen.

Licence History

Serial Licence number	Effective Date	Summary of Changes
WA/065/0004/008	04 December 2009	Original licence
WA/065/0004/008	09 May 2013	Inclusion of amended intake drawings



0 100 200 300 400 500 m.



**Cyfoeth
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Cymru**
**Natural
Resources
Wales**

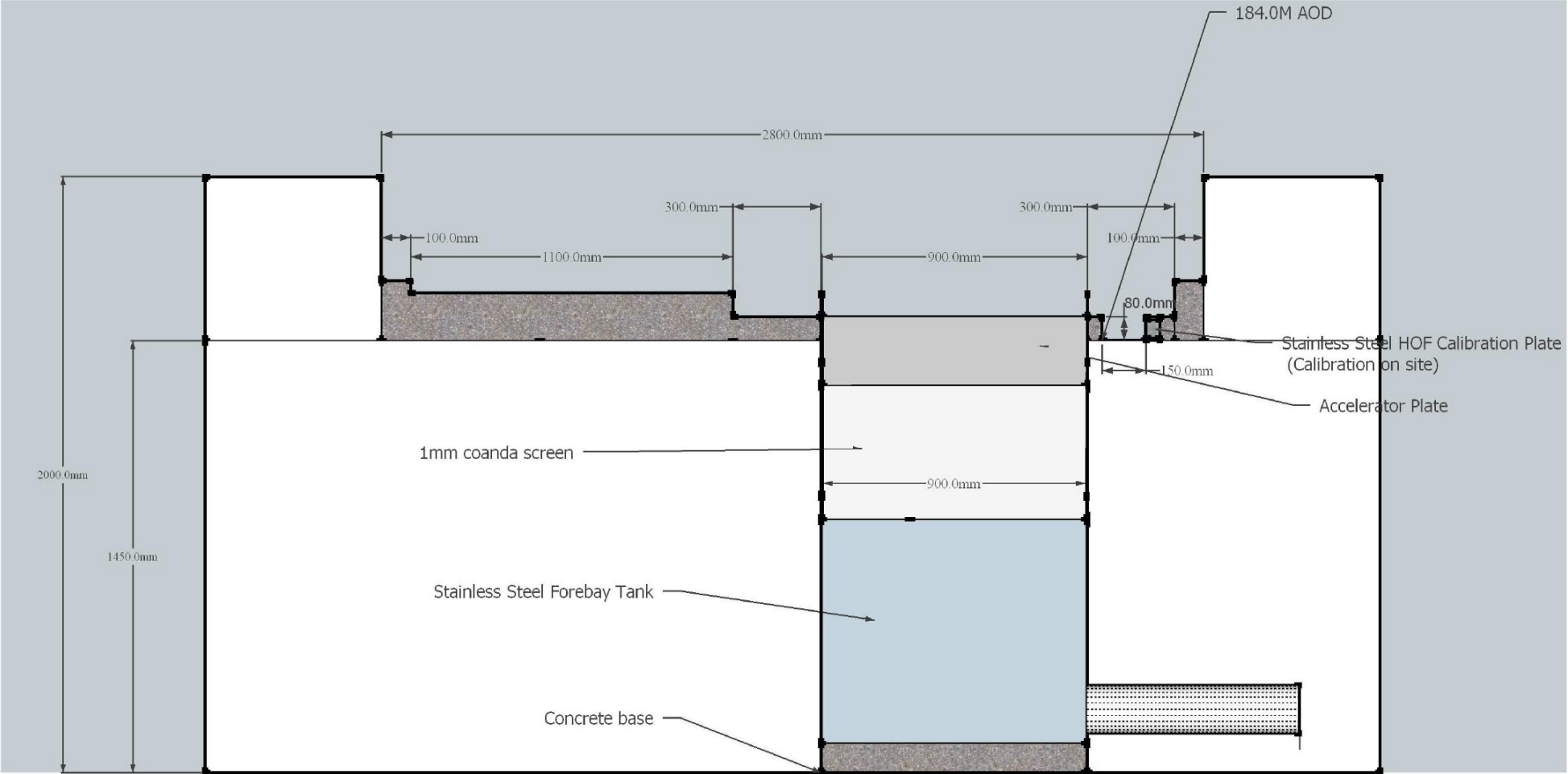
**MAP ACCOMPANYING LICENCE NUMBER / MAP I GYFEILIO TRWYDDDED RHIF
WA/065/0004/008**

Scale I Graddfa 1:10,000

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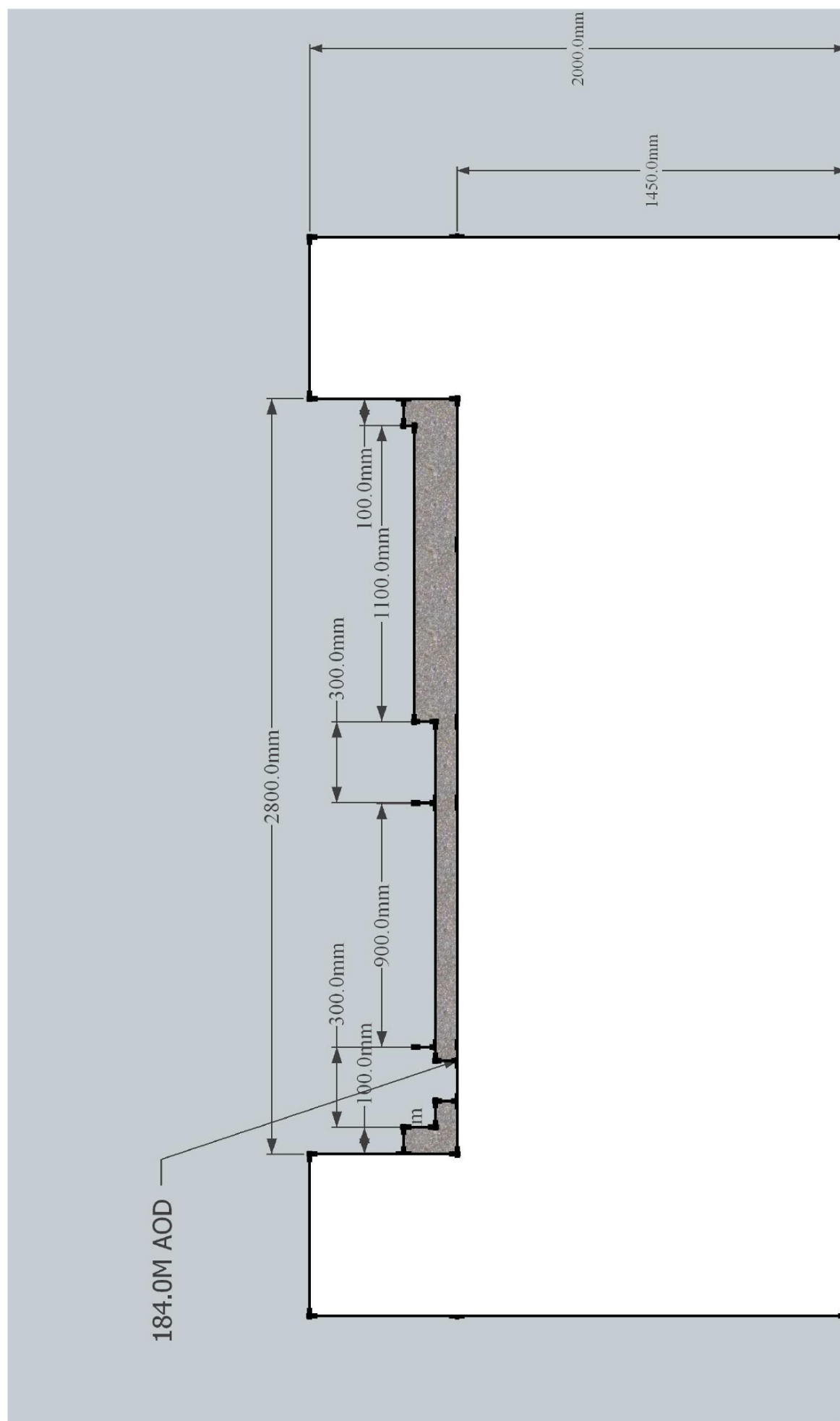
PROPOSED MICRO HYDRO INSTALLATION ON AFON GORSEN



TGVHydro Ltd.
CRIC
Beaufort Street
Crickhowell
NP8 1 BN
telephone: 07969 137719

Front View of Proposed Intake

date Jan-13
scale 1 to 20
paper size A3
drawn by GH
job number TGV12-165
drawing no 12-165-01



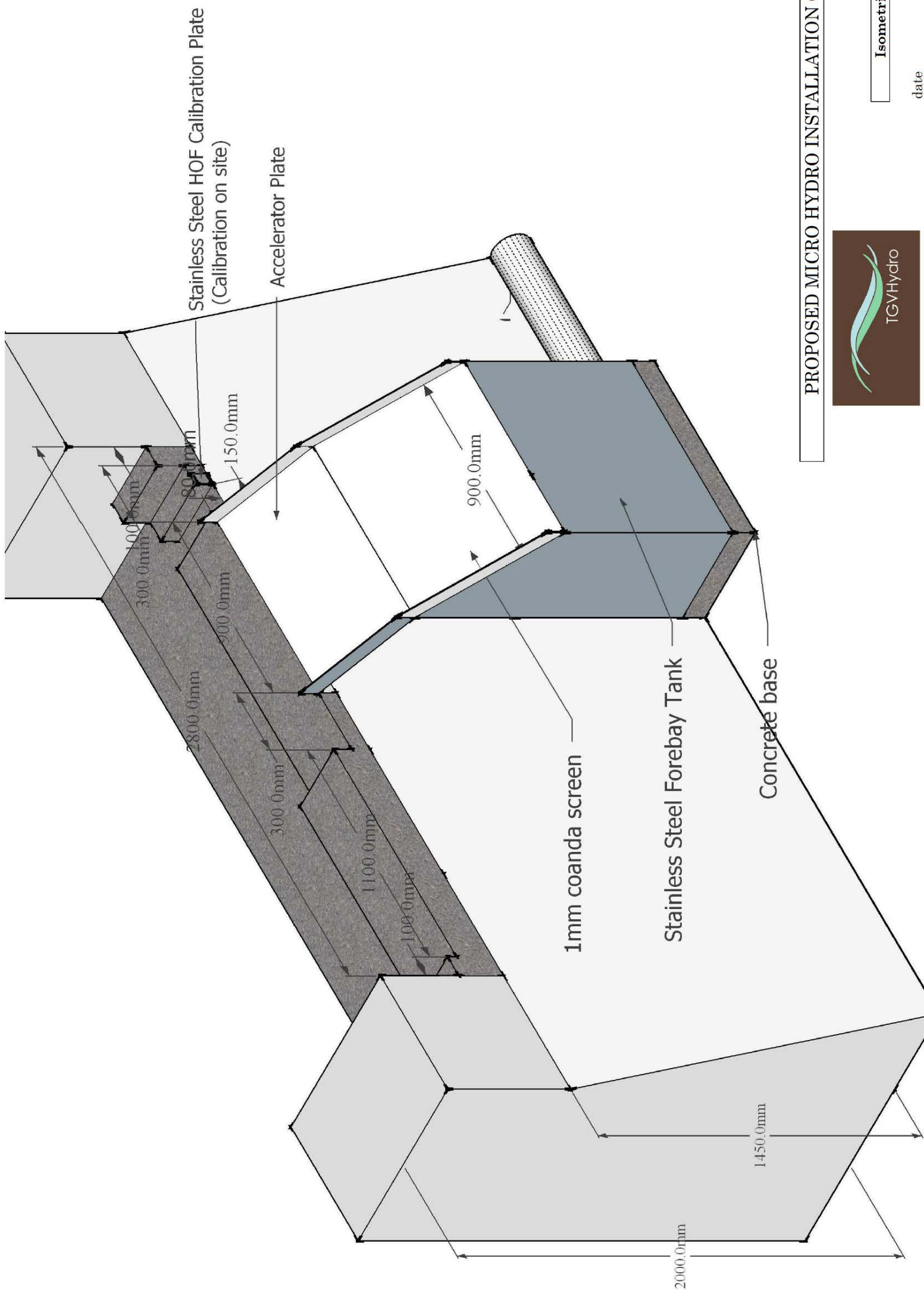
PROPOSED MICRO HYDRO INSTALLATION ON AFON GORSEN



TGVHydro Ltd.
CRIC
Beaufort Street
Crickhowell
NP8 1 BN
telephone: 07969 137719

Rear View of Proposed Intake

date	Jan-13
scale	1 to 20
paper size	A3
drawn by	GH
job number	TGV12-165
drawing no	12-165-02



PROPOSED MICRO HYDRO INSTALLATION ON AFON GORSEN



Isometric View of Proposed Intake

date	Jan-13
scale	1 to 20
paper size	A3
drawn by	GH
job number	TGV12-165
drawing no	12-165-03

TGVHydro Ltd.
CRIC
Beaufort Street
Crickhowell
NP8 1 BN
telephone: 07969 137719

**Would you like to find out more about us,
or about your environment?**

**Then call us on
0300 065 3000 (Mon-Fri 8-6)**

**email
enquiries@naturalresourceswales.gov.uk**

**or visit our website
www.naturalresourceswales.gov.uk**

**incident hotline 0800 80 70 60 (24hrs)
floodline 0845 988 1188**



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