



Cyfoeth Naturiol Cymru
Natural Resources Wales

Water Resources LICENCE TO

ABSTRACT

WATER

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. The permission or right to abstract water may be valuable to your landholding. So -

- **Keep the licence safe, preferably with your deeds etc.**
- **Take careful note of the comments below about "transfer and apportionment" and "death and bankruptcy".**

This is to ensure that the permission and any rights granted by the licence continue if you need to pass it on to someone else.

If you want to:

- **revoke (cancel) the licence;**
- **vary (change/amend) the licence in any way or**
- **change your contact address (but you continue to hold the licence).**

Please write to us at your local Natural Resources Wales office.

Details of this licence are placed on a register, kept by Natural Resources Wales and open for inspection by the public. The public may also obtain further details about it by virtue of the Environmental Information Regulations 2004 (see also Disclosure of Information) except in special cases (for advice please contact us at the address shown on the front page of the licence).

Transfer and apportionment

If you need to pass this licence or any part of it to someone else, you must contact Natural Resources Wales and obtain the appropriate application forms. Temporary licences cannot be transferred or apportioned. The licence holder remains responsible for compliance with the terms of the licence and any charges payable until the licence has been transferred or apportioned.

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.

Time limits

Your licence may be subject to a time limit (stated on the front of your licence). All new abstraction licences are legally required to include a time limit. For variations to licences, time limits are added in accordance with our policy.

The duration of a time limit is determined in accordance with our time limiting policy. The time limit is linked to the next or subsequent review of water resources within a Catchment Abstraction Management Strategy (CAMS).

There will be a presumption of renewal providing three tests are met: environmental sustainability is not in question; there is continued justification of need; and water is being used efficiently. Any application for renewal will still be subject to the normal statutory considerations.

If your licence is time limited and you wish to renew it when it expires, you will need to apply for a new licence to replace the existing one. You are advised to submit this application at least three months before it expires. To allow you to give early consideration to this, we will send you a reminder approximately 18 months before the expiry date.

If your licence cannot be renewed, we will endeavour to give at least six years notice. We will also endeavour to give at least six years notice where the licence is likely to be renewed on different terms and will significantly impact upon the use of the licence.

In exceptional circumstances, for example where there are other overriding statutory duties such as the Habitats Regulations, it may not be possible to provide six years notice.

Charges

Unless specifically exempted, we may levy an annual CHARGE for water AUTHORISED to be abstracted by this licence, in accordance with our abstraction charges scheme in force at the time.

The licence may be revoked if charges are not paid.

Quantity and quality of water

You must not abstract more than the quantity specified in the licence.

Natural Resources Wales does not, by issue of this licence or otherwise, in any way guarantee that the source of supply will produce the quantity of water authorised to be abstracted by this licence, nor that the water is fit for its intended use.

The quantity of water authorised for abstraction is given in cubic metres. One cubic metre is approximately 220 gallons.

(The precise conversion is 1 cubic metres = 219.969 gallons).

Source of supply and authorised point of abstraction

You may abstract from the point(s) specified in the licence and from no other points. If you want to add or change the authorised point(s) of abstraction, you must apply to us to vary the licence.

Land on which water is authorised to be used

Where this condition applies, you may only use the water you abstract on the area specified in the licence. You must apply to us to vary the licence if you wish to extend or alter this area or remove it.

Purpose for which water is authorised to be used

You may only use the water for the purpose(s) specified in the licence. You must apply to us to vary the licence if you wish to add to or change the purpose(s).

Offences

Under the Water Resources Act 1991 it is an offence:-

- to abstract water, or cause or permit any other person to abstract water, unless the abstraction is authorised by and in accordance with an abstraction licence, or is subject to an exemption;
- to do anything to enable abstraction, or to increase abstraction, except in accordance with an abstraction licence or exemption;
- to fail to comply with the conditions of an abstraction licence.
Note in particular that it may be a condition of the licence to maintain the meter or other measuring device etc. and failure to do so will be an offence;
- to interfere with a meter or other device which measures quantities of water abstracted so as to prevent it from measuring correctly;
- to fail to provide information which we have reasonably required for the purpose of carrying out any of the Natural Resources Wales water resources functions;
- to knowingly make false statements for the purpose of obtaining a licence or consent or in giving required information.

The requirement for a licence is subject to some exemptions, set out in the Water Resources Act 1991 as amended. If in any doubt as to whether you need a licence, contact us at the address shown at the bottom of the front page of the licence.

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 the 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.

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

You must serve notice of appeal within 28 days of the date of receipt of this licence (although the Secretary of State and The 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 in 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 or abstraction returns. In certain restricted circumstances it is possible to claim that information should be kept confidential. If you require more information about keeping this information off the public register because it is confidential, please contact us by writing to the address shown on the front page of the licence within 28 days of receiving this licence.



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**

Licence serial number	WA/366/0004/0007/V002
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Please quote the serial number in all correspondence about this licence

FULL LICENCE TO ABSTRACT WATER

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

Dr Roger William Moss (“the Licence Holder”)

Orchard Croft
Church Lane
Newbold on Stour
Stratford-upon-Avon
Warwickshire
CV37 8TW

This licence authorises the Licence Holder to abstract water from the source of supply described in the Schedule of Conditions to this licence and subject to the provisions of that Schedule. The licence commences from the effective date shown below and shall remain in force until the date of expiry shown below, subject to Condition 9.10.

Signed:

Ashley Lansdown
Permitting Team Leader
Permitting Service
Natural Resources Wales
Cambria House
29 Newport Road
Cardiff
CF24 0TP

Date of issue.....19 November 2020

Date effective.....19 November 2020

Date of expiry.....31 March 2028

Date of original issue.....26 March 2019

This licence should be kept safe and its existence disclosed on any sale of the property to which it relates. Please read the ‘important notes’ on the cover to this licence.

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

SCHEDULE OF CONDITIONS

1. SOURCE OF SUPPLY

- 1.1 Inland water (River) known as the un-named tributary of the Afon y Foel at Cwm Penmachno, Betws-y-Coed, Conwy.

2. POINT OF ABSTRACTION

- 2.1 At National Grid Reference SH 76171 45680 marked 'Point A' on the map.

3. MEANS OF ABSTRACTION

- 3.1 Intake works and a gravity feed pipe of an internal diameter not exceeding 141 millimetres controlled by four spear valves.

4. PURPOSES OF ABSTRACTION

- 4.1 Power production.
4.2 Private water supply.

5. PERIOD OF ABSTRACTION

- 5.1 All Year.

6. MAXIMUM QUANTITIES OF WATER TO BE ABSTRACTED

- 6.1 For the purpose of power production:
1,279 cubic metres per day
293,000 cubic metres per year
At an instantaneous rate not exceeding 14.8 litres per second.
- 6.2 For the purpose of private water supply:
0.4 cubic metres per hour
1.48 cubic metres per day
314 cubic metres per year
At an instantaneous rate not exceeding 0.3 litres per second.

Note: A day means any period of 24 consecutive hours and a year means the 12 month period beginning on 1 April and ending on 31 March.

7. MEANS OF MEASUREMENT OF WATER ABSTRACTED

- 7.1 For the purpose of power production:
- (i) The Licence Holder shall determine the quantity of water abstracted by reference to the kilowatt-hours generated, as measured by a kilowatt-hours meter multiplied by the conversion factor determined using the calculation checklist attached to this licence.
 - (ii) The Licence Holder shall retain supporting documentation relating to details of the methodology and calculations used to convert electricity generated to the quantities abstracted and make them available to NRW on request.

- 7.2 For the purpose of private water supply:
- (i) No abstraction shall take place unless the Licence Holder has installed a meter to measure quantities of water abstracted.
 - (ii) The Licence Holder shall position and install the meter in accordance with any written directions given by NRW.
 - (iii) The Licence Holder shall maintain, repair or replace the meter to ensure that accurate measurements are recorded at all times.
 - (iv) The Licence Holder shall keep all records of meter repair or replacement including evidence of current certification for a period of 6 years.

8. RECORDS

- 8.1 For the purpose of power production:
- (i) The Licence Holder shall record readings of the electrical output and the corresponding quantity of water abstracted at the same time each month, as determined using the calculation checklist attached to this licence or at such other intervals as may be approved by NRW in writing.
 - (ii) The Licence Holder shall send to NRW a copy of the records required by Condition 8.1 (i) within 28 days after 31 March in each year, and also within 28 days of being so requested in writing by NRW.
- 8.2 For the purpose of private water supply:
- (i) The Licence Holder shall take and record readings of the meter specified in Condition 7.2 at the same time each month during the whole of the period during which abstraction is authorised or as otherwise approved in writing by NRW.
 - (ii) The Licence Holder shall send to NRW a copy of the records required by Condition 8.2 (i) above within 28 days of being so requested in writing by NRW.
- 8.3 The Licence Holder shall keep all records for at least 6 years, and shall allow NRW to inspect them during all reasonable hours.

9. FURTHER CONDITIONS

- 9.1 For the purpose of this licence, references to 'hydropower scheme' shall mean all works consisting of three coanda intake screen boxes with spacing no greater than 1 millimetres, a small intake tank equipped with a 19 millimetre internal diameter orifice pipe into larger intake tank, a larger intake, downstream concrete barrage, two plunge pools, a level sensor and 141 millimetre internal diameter gravity feed penstock pipe controlled by two turbines, each with two spear valves and associated ancillary civil works and two discharge outlet pipes with bar spacing no greater than 10 millimetres.
- 9.2 The Licence Holder shall construct, operate and maintain the hydropower scheme in accordance with the specifications and drawings:
- 'Pool base and depths, HyR_190309A' dated 02/11/2018,
 - 'Cross-section through screens looking upstream, HyR_181102A' dated 08/03/2019,
 - 'Coanda screen assembly, HyR_181006C' dated 13/03/2019,
 - 'Figure 1' dated 13/03/2019,

- ‘Figure 2’ dated 25/03/2019,
- ‘Figure 3’ dated 05/11/2018,
- ‘Retaining wall for plunge pool basin, HyR181103A’ dated 09/03/2019, and
- ‘Barrage, HyR_181105A’ dated 08/03/2019,

copies of which are appended to this licence, or such minor amendments to those documents that are accepted in writing by NRW prior to the date of commencement of construction.

- 9.3 The Licence Holder shall, as far as is reasonably practicable, ensure that no water flows through the turbine if the Licence Holder is unable to generate power.
- 9.4 The Licence Holder shall return all of the water abstracted in pursuance of power production to the Afon y Foel at National Grid Reference SH 76539 46262 marked ‘Point Q’ on the map.
- 9.5 (i) No abstraction of water for the purpose of power production shall take place unless the rate of flow in the un-named tributary of the Afon y Foel immediately downstream of the authorised point of abstraction, marked as ‘Point A’ as specified in Condition 2.1, is equal to or greater than 4 litres per second and the abstraction shall not cause the flow immediately downstream of said abstraction point to fall below that rate.
- (ii) The quantity of water abstracted shall not exceed 70% of the available flow in the un-named tributary of the Afon y Foel in excess of 4 litres per second.
- 9.6 (i) No abstraction shall take place unless the Licence Holder has installed three Coanda intake screen with spacing no greater than 1 millimetres to prevent the entrapment, entrainment or impingement of fish at the point of abstraction.
- (ii) The Licence Holder shall maintain the fish screens in accordance with the manufacturer’s specifications and keep records of such maintenance available for inspection.
- 9.7 (i) No abstraction shall take place unless the Licence Holder has installed a screen with spacing no greater than 10 millimetres to the discharge outlet pipes to prevent the entrapment, entrainment or impingement of fish.
- (ii) The Licence Holder shall maintain the screen and keep records of such maintenance available for inspection.
- 9.8 The Licence Holder shall ensure that during construction works and any subsequent maintenance works to the hydropower scheme, the flow in the un-named tributary of the Afon y Foel is allowed to pass downstream unchanged in quantity and quality at all times.
- 9.9 The Licence Holder shall notify NRW in writing within 7 calendar days after the abstraction of water for the purpose of power production first starts.
- 9.10 This licence shall cease to be of any effect if the abstraction it authorises has 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

The licence is time-limited to a date to reflect the timing of a future review of the catchment resources availability.

Conditions 7.1, 8.1 and 8.3: the Licence Holder is required to record readings of the electrical output and the corresponding quantity of water abstracted to demonstrate compliance with the conditions of this licence and to provide information on actual water usage for water planning purposes.

Conditions 7.2, 8.2 and 8.3: The abstraction is required to be metered to demonstrate compliance with the conditions of the licence and to provide information on actual water usage for water planning purposes.

Conditions 9.1, 9.2 and 9.9: to ensure the hydropower scheme is constructed, operated and maintained in accordance with the drawings and specifications agreed by NRW during the determination of the licence.

Condition 9.3: to secure the proper and efficient use of water resources.

Condition 9.4: to ensure the abstraction for power production can be classed as non-consumptive.

Conditions 9.5 and 9.8: to ensure a flow is maintained in the watercourse in order to maintain the riverine habitat for the conservation of the flora and fauna and to ensure that the water environment is not impacted during construction and subsequent maintenance.

Condition 9.6: to prevent the entrapment, entrainment and impingement of fish at the point of abstraction.

Condition 9.7: to prevent the entrapment, entrainment and impingement of fish at the point of discharge.

Condition 9.8: to ensure that the water environment is not impacted during construction and subsequent maintenance.

Condition 9.9: to start NRW's compliance process.

Condition 9.10: 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

Impoundment licence serial number WA/366/0004/0008/V002 has been issued to facilitate the abstraction of water for the hydropower scheme authorised by this abstraction licence.

Condition 9.5: flows will be maintained and controlled by physical means through the design of the impoundment structure authorised by the above numbered licence.

For the purposes of Conditions 9.2 and 9.9, the Licence Holder shall contact:

Senior Officer
North West People and Places Team
Natural Resources Wales
Maes y Ffynnon
Penrhosgarnedd
Bangor
Gwynedd
LL57 2DW

Tel: 0300 065 3000

Email: NorthWestPeopleandPlacesTeam@cyfoethnaturiolcymru.gov.uk

Water efficiency note

The Licence Holder should use water abstracted under the terms of this licence in an efficient manner. NRW may refer to its guidance on water efficiency (or equivalent guidance) in determining whether water is being used efficiently and may offer advice on any measures considered necessary to meet particular recommendations.

Metering

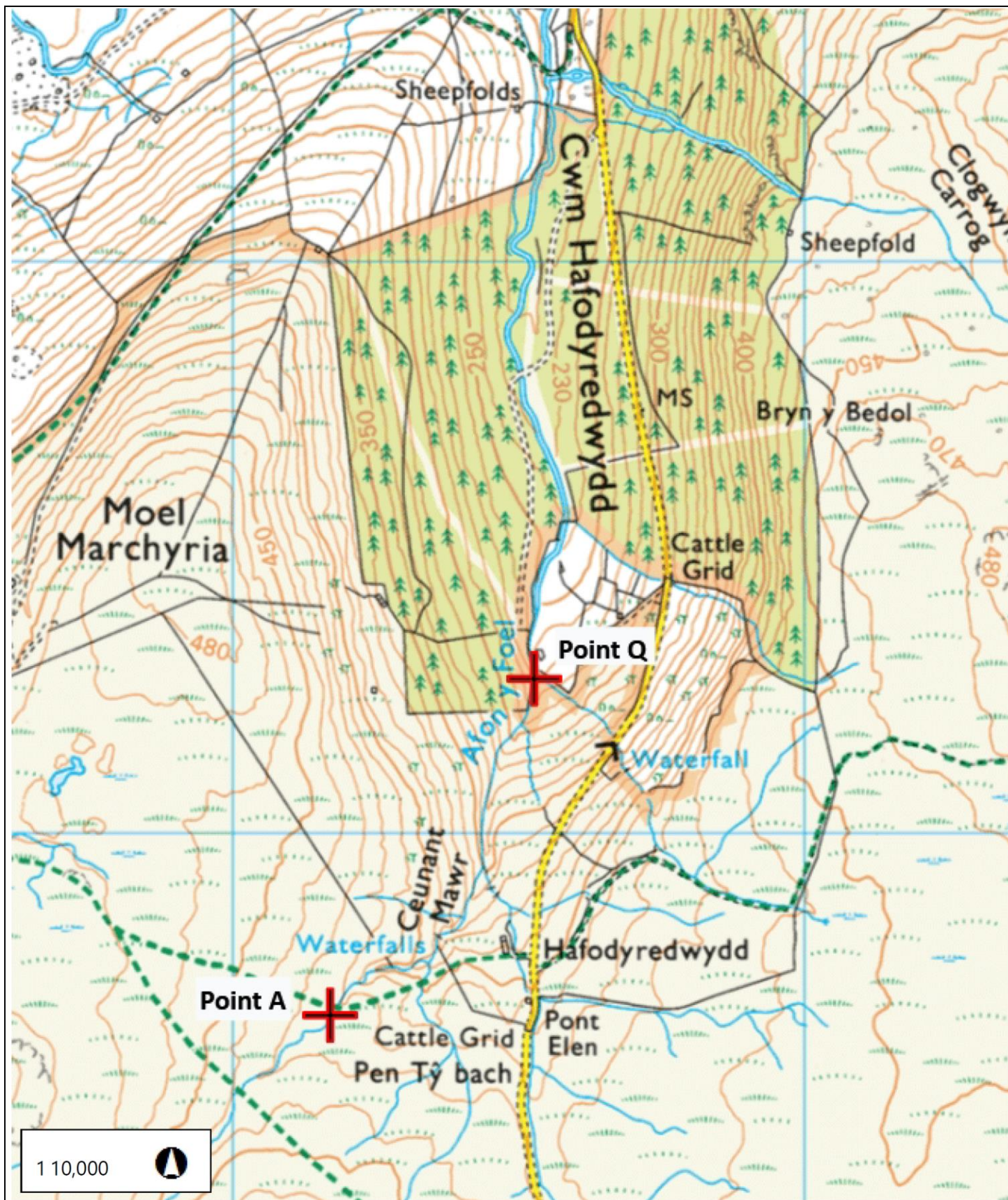
NRW will have regard to its Abstraction Metering Good Practice Manual (or equivalent guidance) in directing any of the following: where the meter should be located or how it should be installed; whether the meter measures accurately, and/or is properly maintained; whether it is necessary to require repair or replacement of the meter.

Screening

NRW 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 screens should be installed and together with the results of any monitoring in determining whether the fish screens are properly effective and maintained, and in judging whether it is necessary to require repair or replacement of the fish screens.

Licence history

Licence Serial Number	Issue and Effective Date	Expiry Date	Summary of Changes
WA/366/0004/0007	26/03/2019	31/03/2028	Issue of original licence.
WA/366/0004/0007/V001	Issue: 04/04/2019 Effective: 26/03/2019	31/03/2028	Re-issue of licence with amendments to conditions 3.1 & 9.1
WA/366/0004/0007/V002	19/11/2020	31/03/2028	Variation of licence to correct typo in registered address & amend condition 9.1



0.5 0 Distance / 2 0.5 Kilo
metres

British_National_Grid

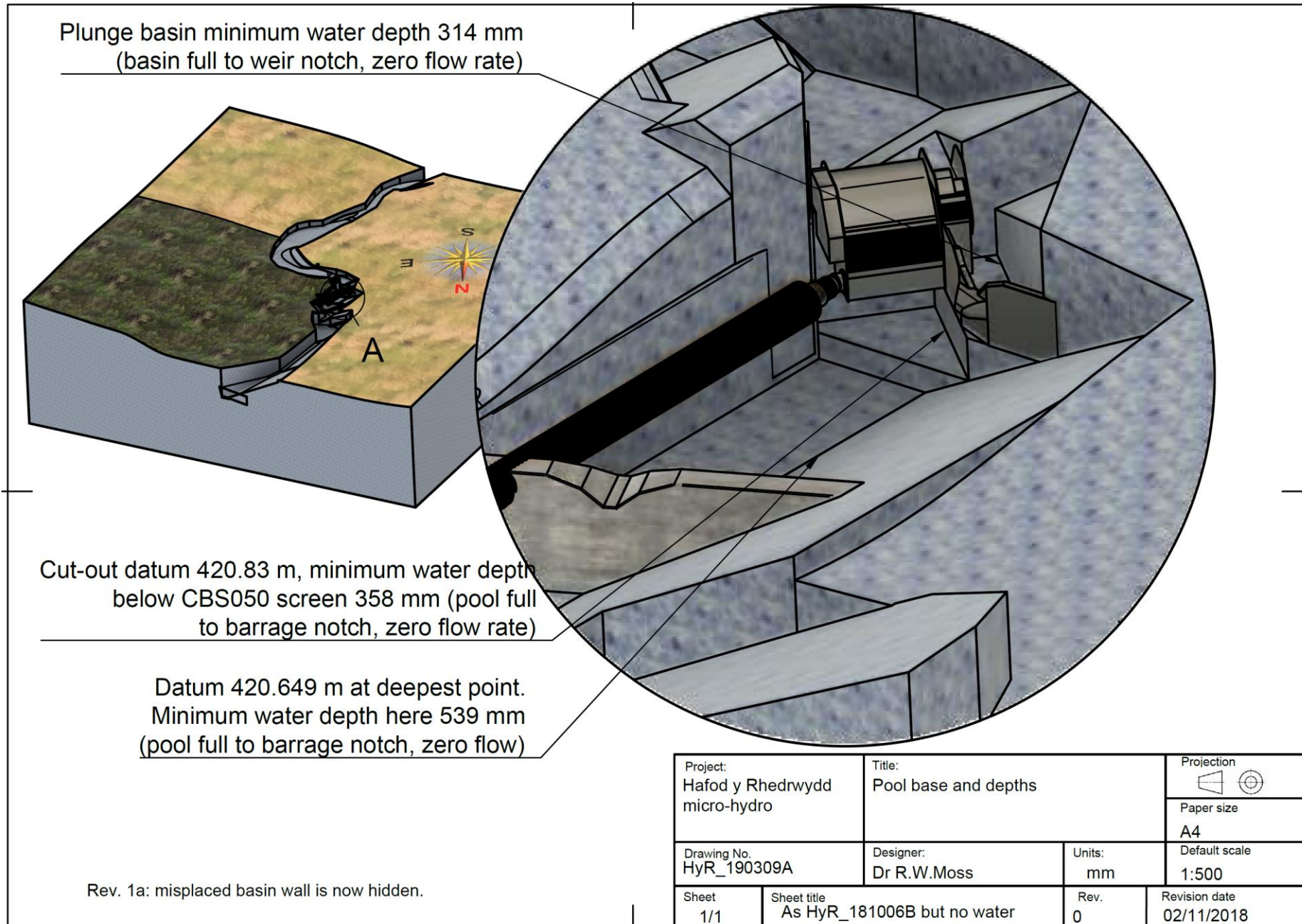


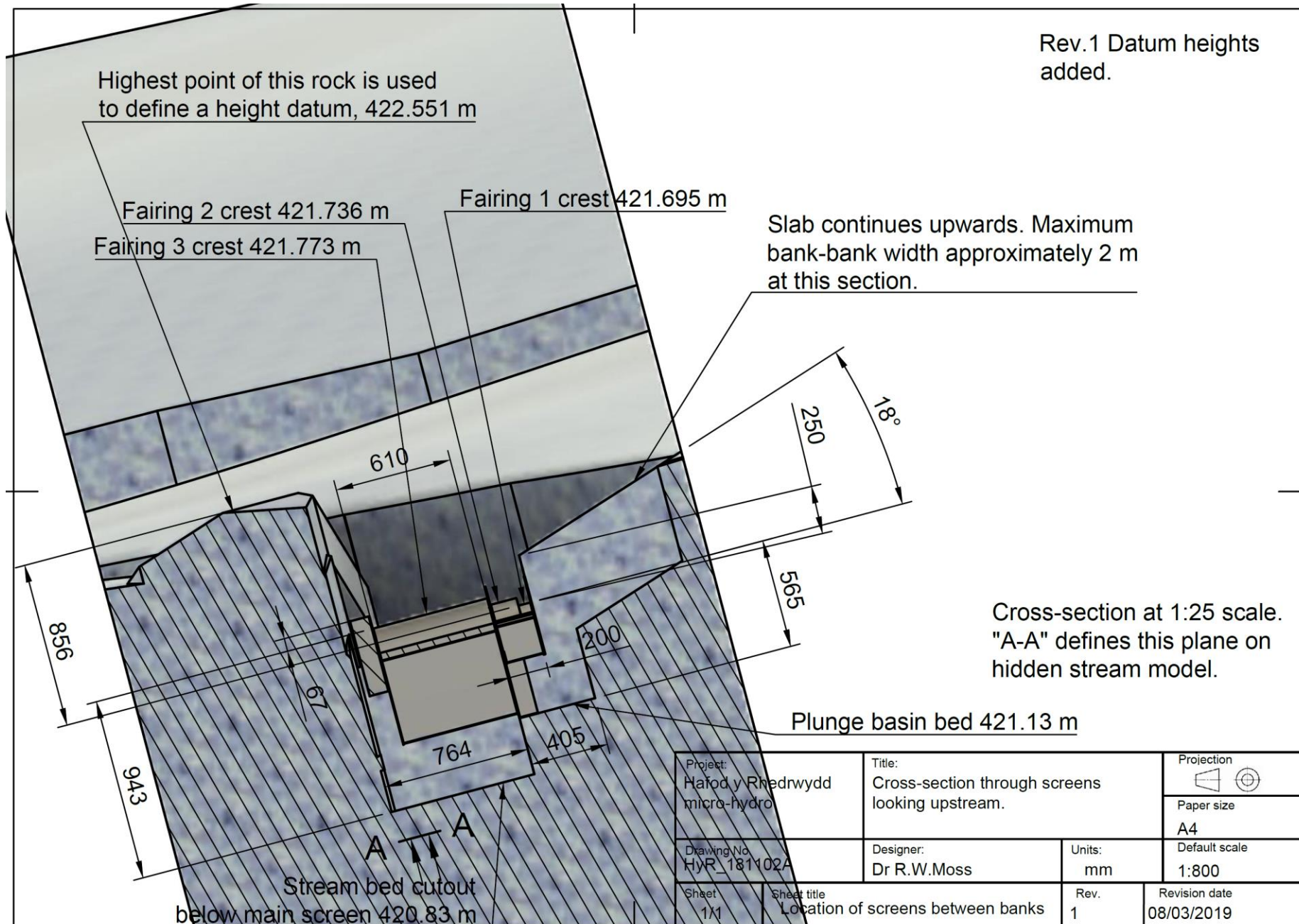
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Natural
Resources
Wales**


MAP ACCOMPANYING LICENCE NUMBER / MAP I GYFEILIO TRWYDDED RHIF
WA/366/0004/0007/V002
Scale I Graddfa 1:10,000

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Hawlfraint y Goron a hawl cronfa ddata Arolwg Ordnans. Cyfoeth Naturiol Cymru, 100019741, 2015.

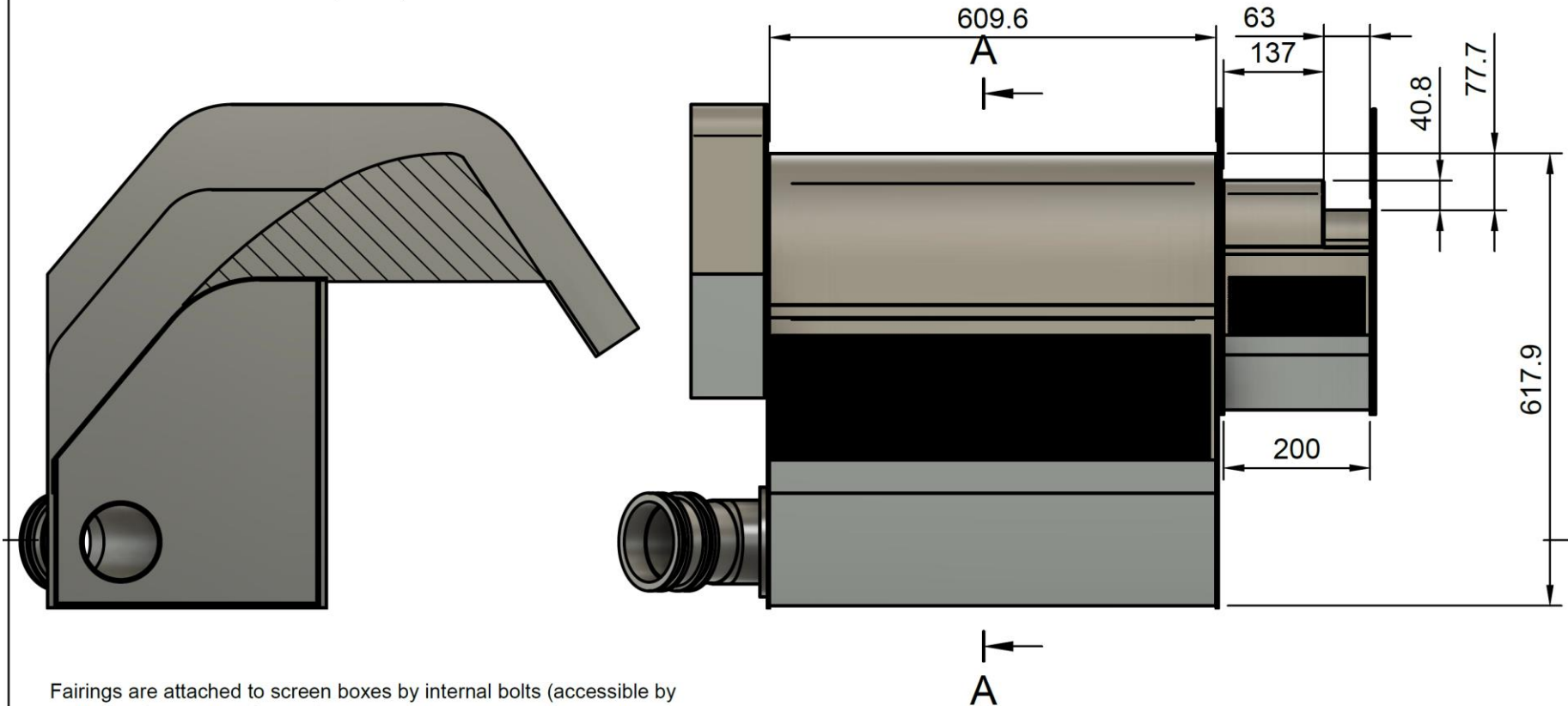






Project: Harod y Rhedrydd micro-hydro		Title: Cross-section through screens looking upstream.		Projection 	
Drawing No. HyR_181102A		Designer: Dr R.W.Moss		Paper size A4	
Sheet 1/1		Units: mm		Default scale 1:800	
Sheet title Location of screens between banks		Rev. 1		Revision date 08/03/2019	

A-A (1:8)



Fairings are attached to screen boxes by internal bolts (accessible by removing the screen element).
Boxes and fairings are bolted to bedrock. Bolt heads will not protrude into the stream.

Pipe dimensions				
Length (m)	OD (mm)	SDR	Bore (mm)	Comment
45	160	17	141	To settling tank
580	110	17	97	Main section
230	110	11	90	Lower section

n.b. the final 60 m of the above may be replaced with 125 mm OD, SDR 9 (102.3 mm bore), subject to availability.

Material: 304L stainless steel, TIG welded, 3.2 mm thick.

Rev.2: Pipe dimensions added.

Project: Hafod y Rhedrydd micro-hydro		Title: Coanda screen assembly		Projection
Drawing No. HyR_181006C		Designer: Dr. R.W.Moss		Paper size A4
Sheet 1/2		Units: mm		Default scale 1:8
Sheet title Fairing widths and crest heights		Rev. 2	Revision date 13/03/2019	

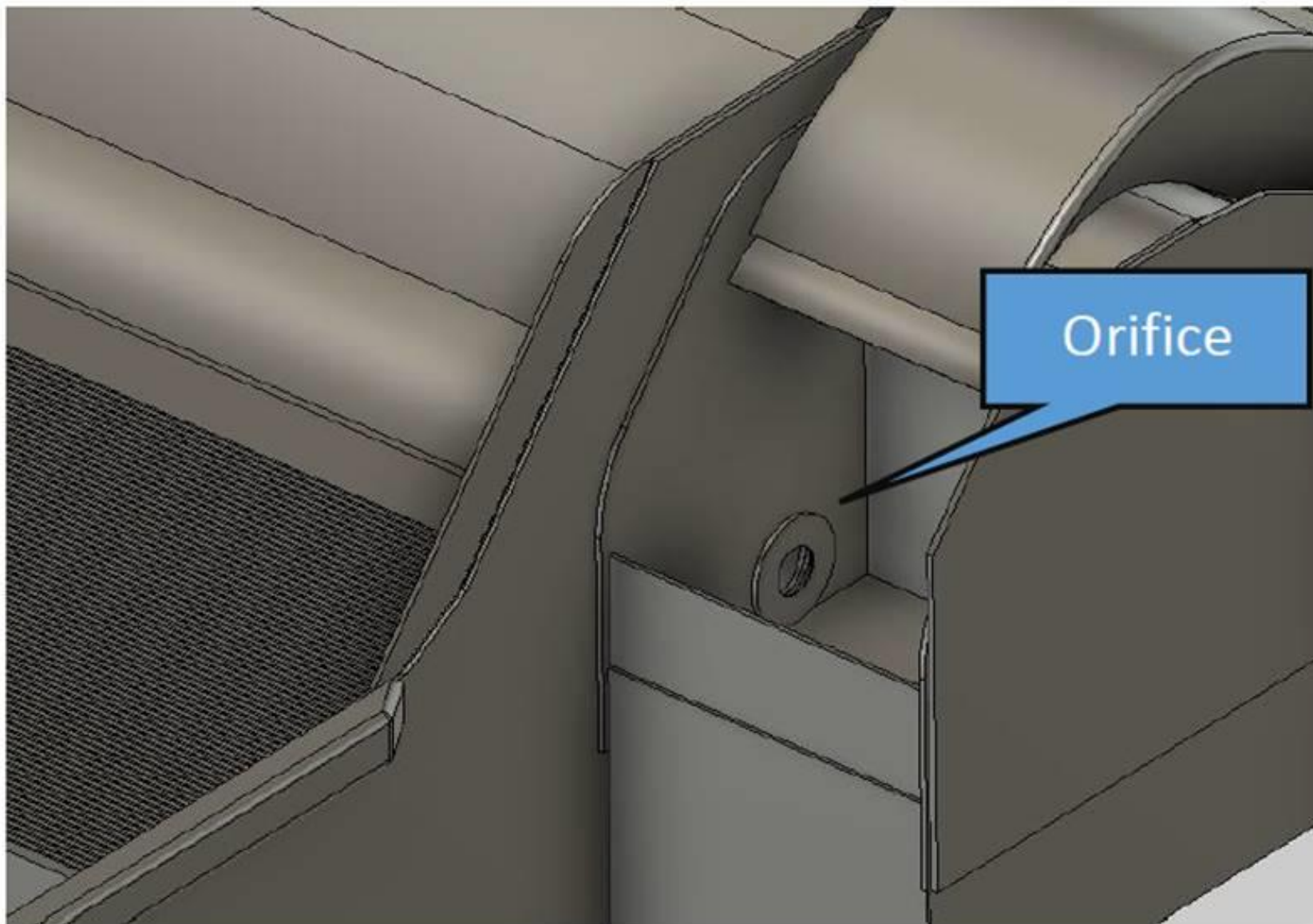


Figure 1: detailing the 19mm diameter orifice between the small and large intake sumps on intake structure. The head of water above the orifice centre-line is 149mm, to physically limit the domestic abstraction below Q95 to 0.3l/s (confirmed 13/03/2019)

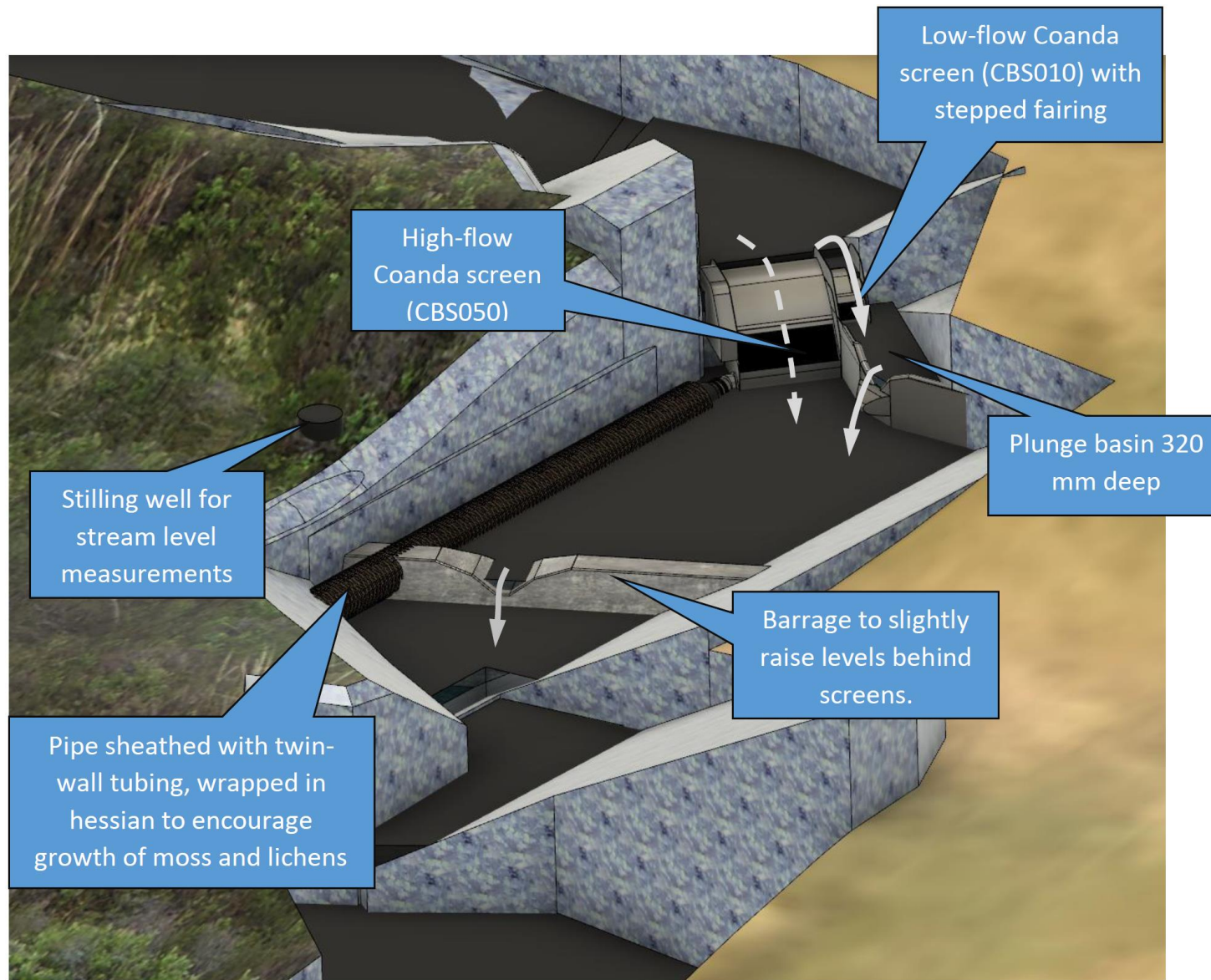


Figure 2: detailing fish passage routes with grey arrows, with drops of less than 25cm (submitted 25/03/2019).

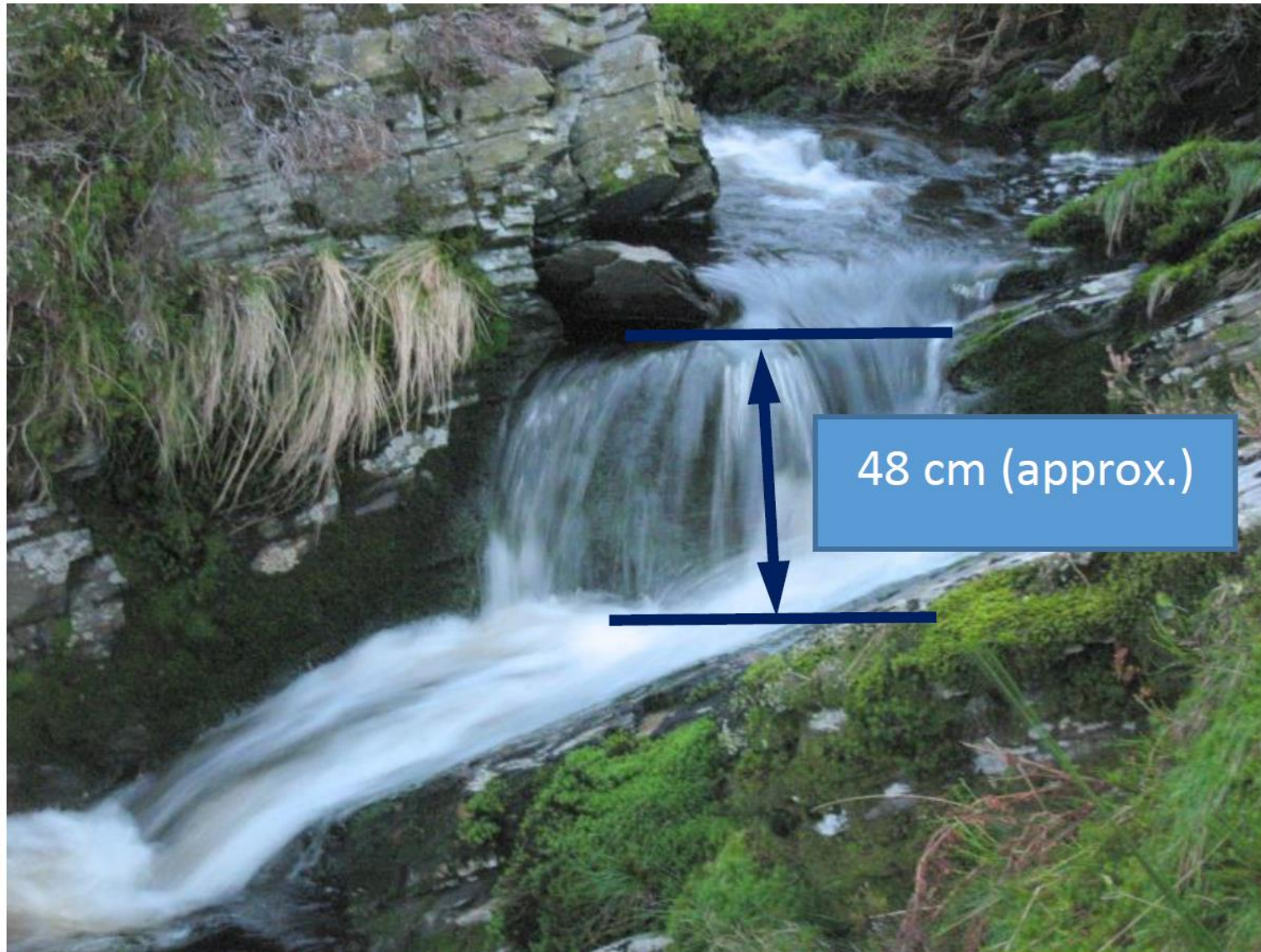
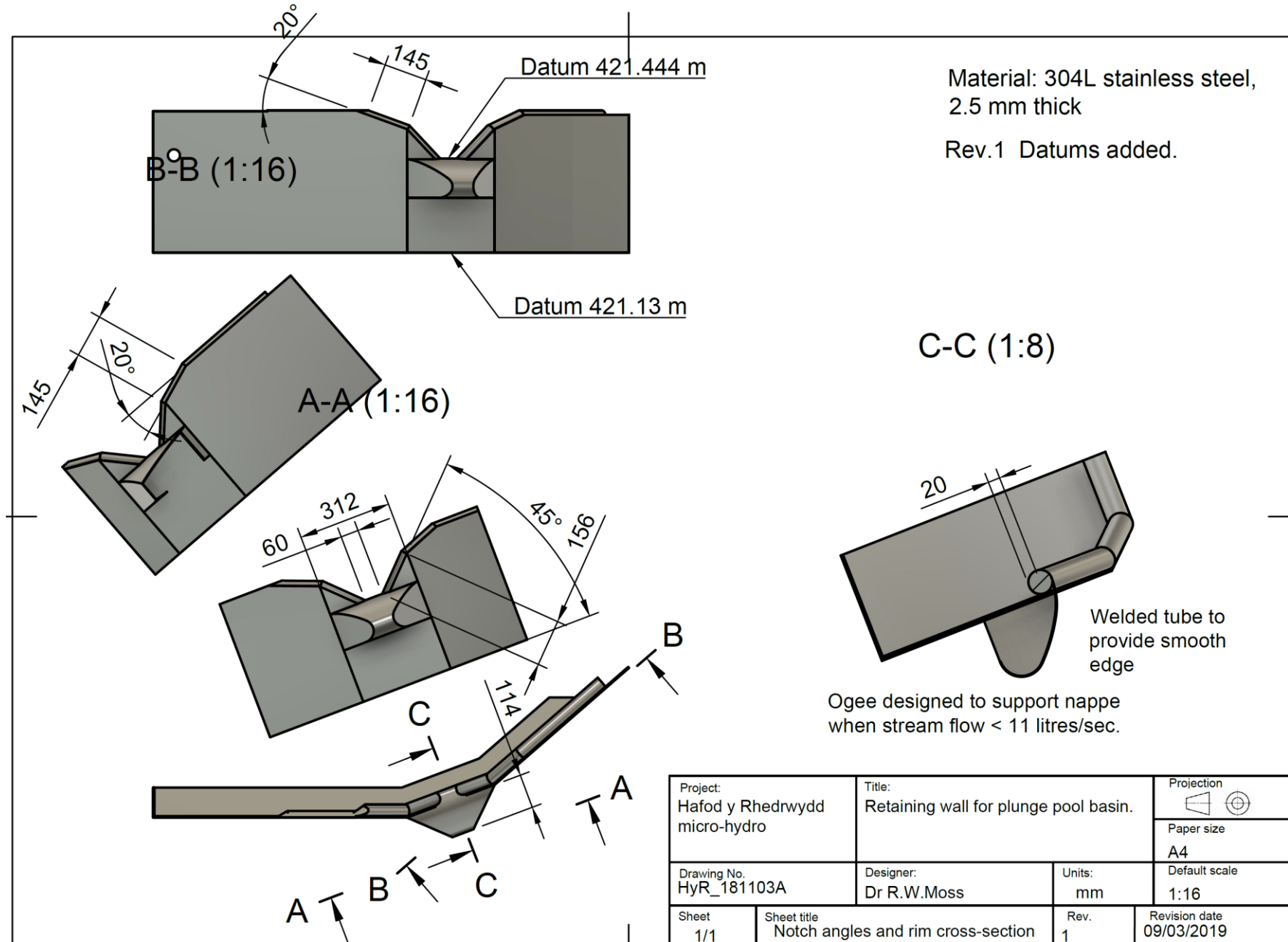
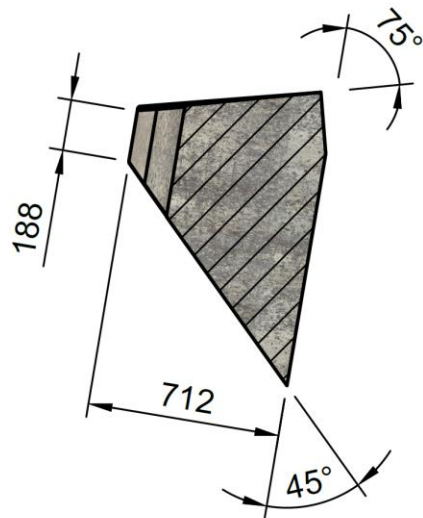


Figure 3: Micro siting photograph of intake location (05/11/2018).



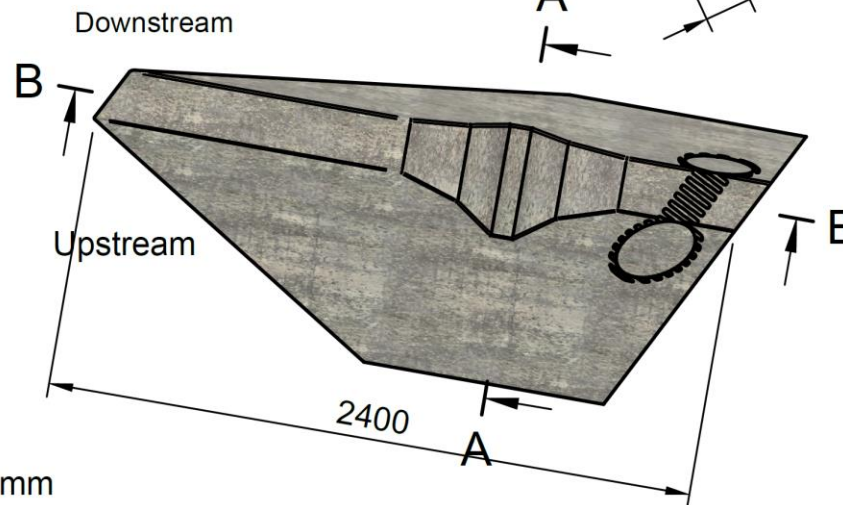
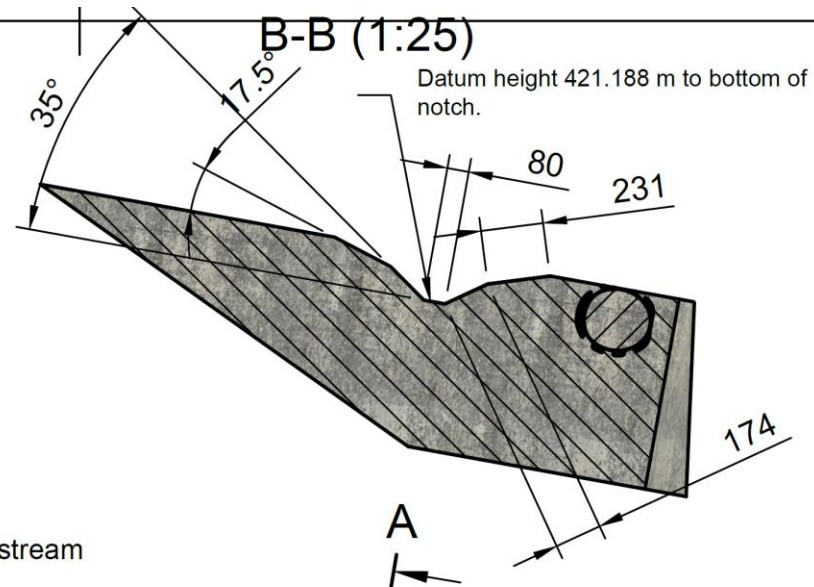
Upstream face at 45 degrees for strength and stability.
Downstream face at 75 degrees to facilitate fish jumping.
No sharp edges.

A-A (1:25)




Material: concrete.
Location: to key into channels 70 mm deep in bedrock.

B-B (1:25)



Rev.1 with datum height added.

Project: Hafod y Rhedrydd micro-hydro		Title: Barrage		Projection 	
				Paper size A4	
Drawing No. HyR_181105A		Designer: Dr R.W.Moss		Units: mm	Default scale 1:25
Sheet 1/1	Sheet title Notch profile.			Rev. 1	Revision date 08/03/2019

Calculation Checklist

This checklist shall be used to record the site data and calculate the Hydro Abstraction Factor for the site (HAF_{site}) to allow conversion of electrical output to quantities abstracted. The HAF_{site} is the amount of water used in m^3 per kWhr generated for any period.

Site Data	
Site name	
Address	
Licence serial No.	
Contact name	
Contact telephone	
Contact email	
Turbine manufacturer	
Turbine type	
Turbine serial no.	
Number of jets (where relevant)	

Performance Data		
Parameter	Value	How was the parameter determined?
Net operating head of the system at maximum power output ($H_n (P_{max})$) in metres		
Turbine/water wheel efficiency at maximum power output ($e_{turbine/water\ wheel\ (P_{max})}$)		
Transmission system efficiency at maximum power output ($e_{transmission\ (P_{max})}$)		
Generator efficiency at maximum power output ($e_{generator\ (P_{max})}$)		

Calculation of overall system efficiency of the rotating parts of the hydro system, at maximum power output ($e_{system\ (P_{max})}$)

$$e_{system\ (P_{max})} = e_{turbine/water\ wheel\ (P_{max})} \times e_{transmission\ (P_{max})} \times e_{generator\ (P_{max})}$$

$$= \boxed{} \times \boxed{} \times \boxed{}$$

$$e_{system\ (P_{max})} = \boxed{}$$

Calculation of HAF_{site}

HAF_{site} = Hydro Abstraction Factor for the site in question

$$= 366.972 / (H_n (P_{max}) \times e_{system\ (P_{max})})$$

$$= 366.972 / (\boxed{} \times \boxed{})$$

$$= \boxed{} \text{ (m3/kWh)}$$

Where:

$H_n (P_{max})$ = net head at max. power.

366.972 = a constant in order to bring the final HAF into the correct unit of $m^3/kWhr$ (it is arrived at by dividing the number of seconds in an hour (3600) by gravity ($9.81\ m/s^2$))

The volume of water abstracted for any period (V_{period}) can then be calculated by simply multiplying the HAF_{site} by the number of kiloWatt hours generated thus:

$$V_{period\ (m3)} = kWh_{period\ (kWh)} \times HAF_{site\ (m3/kWh)}$$

See example:

(kWh is a measure of energy, whilst kW is a measure of power: at full efficiency, a 50 kW

turbine will produce 50 kWh of energy in one hour, 100 kWh in two hours, 150 kWh in three hours etc.).

Performance Data		
Parameter	Value	How was the parameter determined?
Net operating head of the system at maximum power output ($H_n (P_{max})$) in metres	150	Site survey
Turbine/water wheel efficiency at maximum power output ($e_{\text{turbine/water wheel}} (P_{max})$)	0.9	From manufacturer
Transmission system efficiency at maximum power output ($e_{\text{transmission}} (P_{max})$)	0.85	From manufacturer
Generator efficiency at maximum power output ($e_{\text{generator}} (P_{max})$)	0.85	From manufacturer

Calculation of overall system efficiency of the rotating parts of the hydro system, at maximum power output ($e_{\text{system}} (P_{max})$)

$$e_{\text{system}} (P_{max}) = e_{\text{turbine/water wheel}} (P_{max}) \times e_{\text{transmission}} (P_{max}) \times e_{\text{generator}} (P_{max})$$

$$= \boxed{0.9} \times \boxed{0.85} \times \boxed{0.85}$$

$$e_{\text{system}} (P_{max}) = \boxed{0.65}$$

Calculation of HAF_{site}

HAF_{site} = Hydro Abstraction Factor for the site in question

$$= 366.972 / (H_n (P_{max}) \times e_{\text{system}} (P_{max}))$$

$$= 366.972 / (\boxed{150} \times \boxed{0.65})$$

$$= \boxed{3.764} \quad (\text{m}^3/\text{kWh})$$

The volume of water abstracted for any period (V_{period}) can then be calculated by simply multiplying the HAF_{site} by the number of kiloWatt hours generated thus:

$$V_{\text{period}} (\text{m}^3) = \text{kWh}_{\text{period}} (\text{kWh}) \times HAF_{\text{site}} (\text{m}^3/\text{kWh})$$

If, for example your total export of electricity for the period was 68400 kWh, then you would have abstracted a total volume of water of:

$$V_{\text{period}} (\text{m}^3) = 68400 \text{ kWh} \times 3.764 \text{ m}^3/\text{kWh} = 257457.6 \text{ m}^3$$

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

**Then call us on
0300 065 3000 (Mon-Fri 9-5)**

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

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

**incident hotline 0300 065 3000 (24hrs)
floodline 0345 988 1188**



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