

## LICENCE TO IMPOUND WATER

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

Cwm Cloch Hydro Limited ("the Licence Holder")

1 Stanley Street  
Chester  
Cheshire  
England  
CH1 2LR

Company registration number 08825905

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.

**Signed** **Date of issue**.....27 August 2020



**Date effective**.....,27 August 2020

**Date of original issue**.....09 August 2013

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

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 "NRW" 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 (Stream) known as Nant Cwmcloch at Cwm Cloch Farm, Beddgelert, Gwynedd.

### 2. POINT OF IMPOUNDMENT

- 2.1 At National Grid Reference SH 57664 46862 marked 'Point A' on the map.

### 3. MANNER AND EXTENT OF IMPOUNDMENT

- 3.1 Intake works consisting of a new concrete weir with prefabricated sump, coanda screen with 2 millimetre aperture, compensation flow V notch, flowsplit bracket and 200 millimetre external diameter gravity feed penstock pipe, in accordance with the specifications and drawing:

Intake: Cwm Cloch Hydro Scheme NWHP\_200\_Intake\_Flowsplit Rev G

dated 21/07/2020, a copy of which is appended to this licence, or such minor amendments to that document that are accepted in writing by the NRW prior to the date of commencement of construction.

### 4. FURTHER CONDITIONS

- 4.1 For the purpose of this licence, references to 'intake works' shall mean all works that include a new concrete weir with prefabricated sump, coanda screen with 2 millimetre aperture, compensation flow V notch, flowsplit bracket and 200 millimetre external diameter gravity feed penstock pipe.
- 4.2 The Licence Holder shall ensure that during any subsequent maintenance works to the intake works, and when abstraction for the purpose of power production is not taking place, the flow in the Nant Cwmcloch is allowed to pass downstream unchanged in quantity and quality at all times.
- 4.3 The Licence Holder shall operate and maintain the intake works in accordance with the specifications and drawing referred to in condition 3.1 of this licence and keep it free from leakage and obstruction at all times.
- 4.4 The impounding works authorised by this licence shall not be carried out in the watercourse between 17 October and 15 May in any year.

## 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 4.3: to ensure the intake works are constructed, operated and maintained in

accordance with the drawing and specifications agreed by NRW during the determination of this licence.

Conditions 4.2 and 4.3: 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 4.4: to avoid damage to fish during vulnerable life stages such as spawning, migration, emergence and early maturation.

### **IMPORTANT NOTES**

This impoundment licence facilitates the abstraction of water for a hydropower scheme authorised under licence serial number WA/065/0005/004/V005.

For the purpose of conditions 3.1, the Licence Holder shall contact:

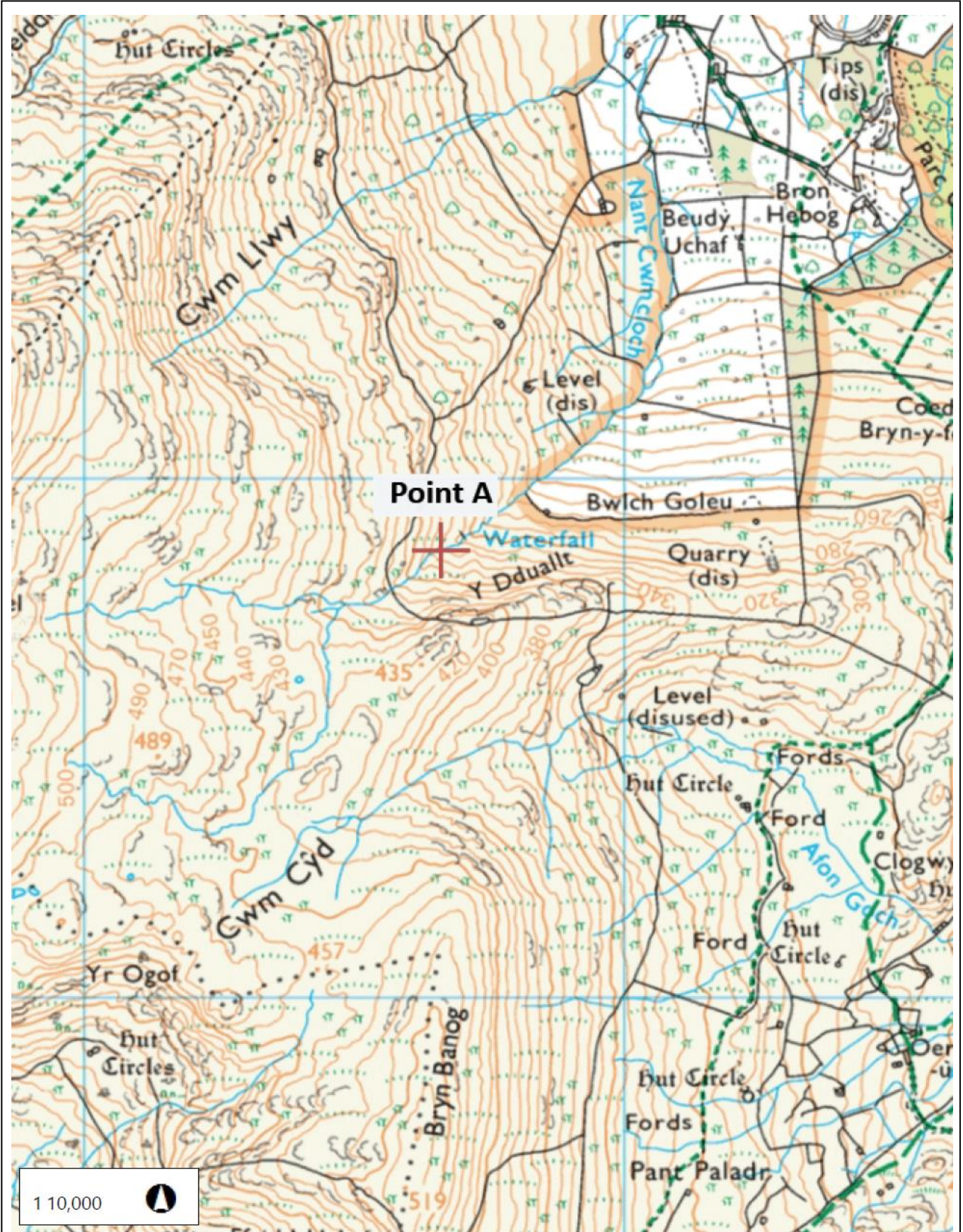
Senior Officer  
North West People and Places Team  
Natural Resources Wales  
Maes y Ffynnon  
Penrhosgarnedd  
Bangor  
Gwynedd  
LL57 2DW

Tel: 0300 065 3000

Email: [nrp.northmid@cyfoethnaturiolcymru.gov.uk](mailto:nrp.northmid@cyfoethnaturiolcymru.gov.uk)

### Licence History

Licence Number	Issue Date	Effective Date	Summary of Changes
<b>WA/065/0004/014</b>	09 August 2013	09 August 2013	Original Licence issued
<b>WA/065/0005/005</b>	17 January 2014	04 November 2013	Licence issued with incorrect licence number, re-issued with amended licence number.
<b>WA/065/0005/005/V001</b>	16 October 2014	16 October 2014	Licence variation issued in line with updated hydropower guidance, technical drawings amended.
<b>WA/065/0005/005/V002</b>	22 May 2015	22 May 2015	Change of Licence Holder address.
<b>WA/065/0005/005/V003</b>	28 July 2016	26 July 2016	Administrative change to errors on Licence and Transfer of Licence Holder from North Wales Hydro Limited to Cwm Cloch Hydro Limited
<b>WA/065/0005/005/V004</b>	27 August 2020	27 August 2020	Minor complex variation to update drawing appended to the licence.



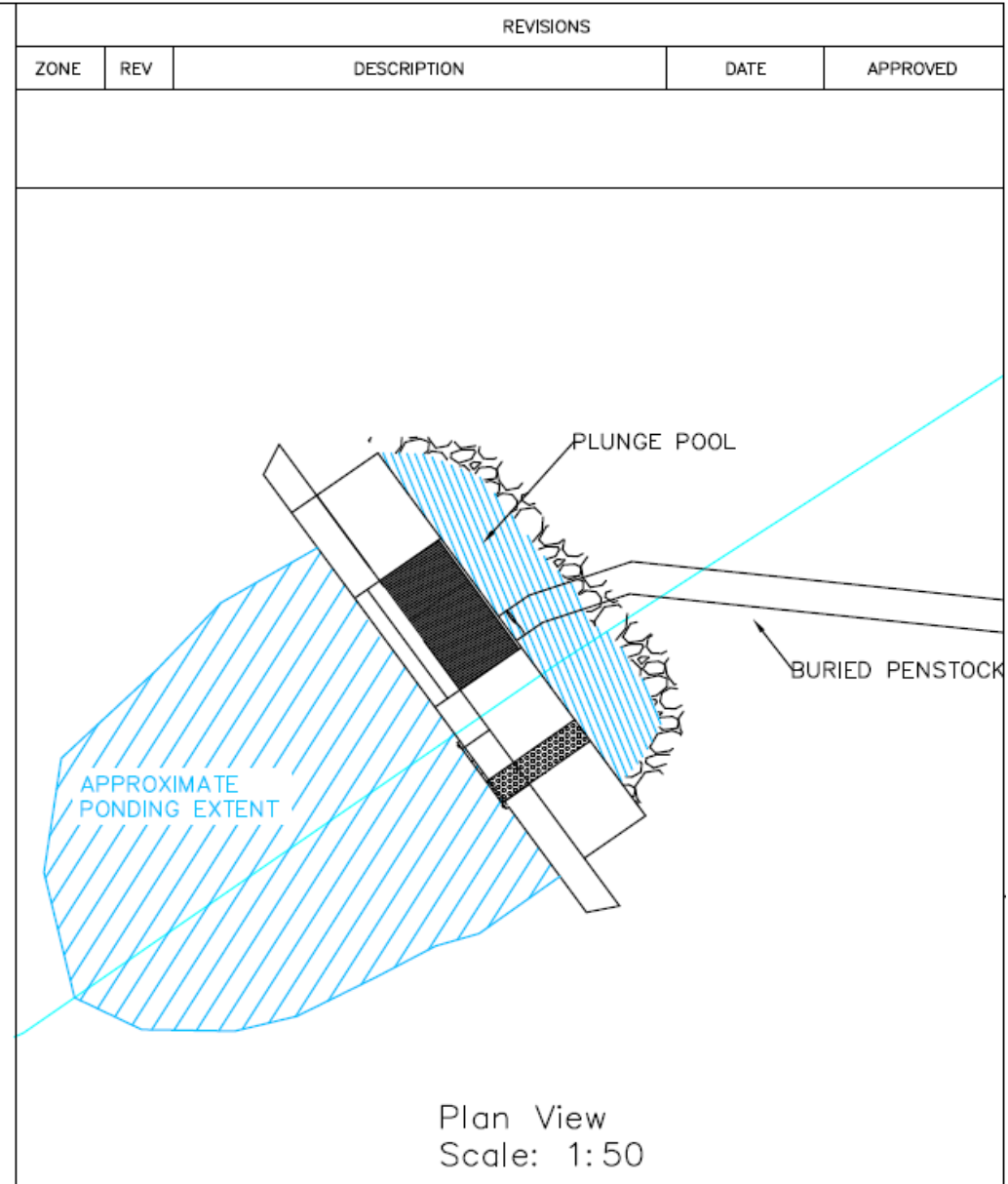
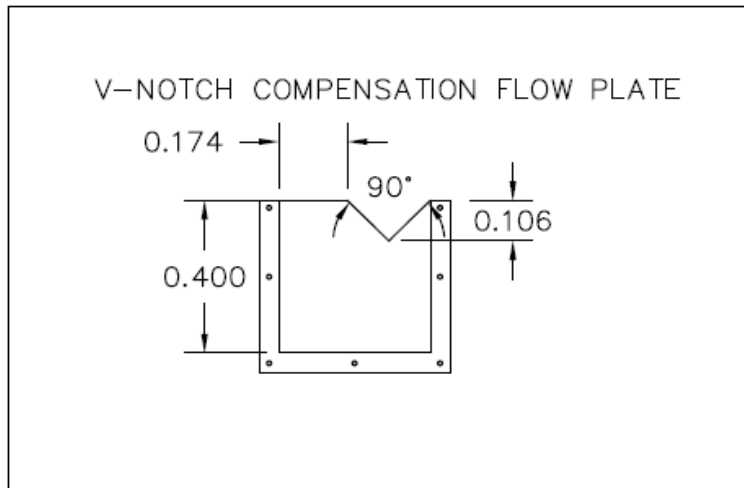
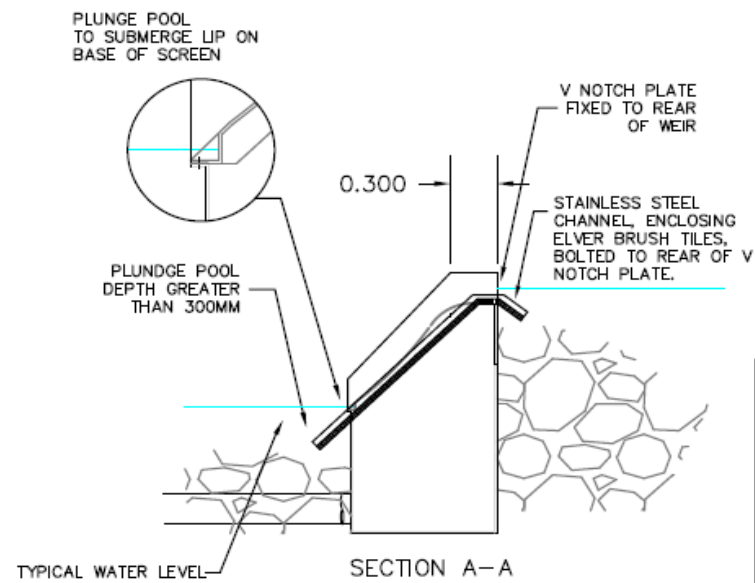
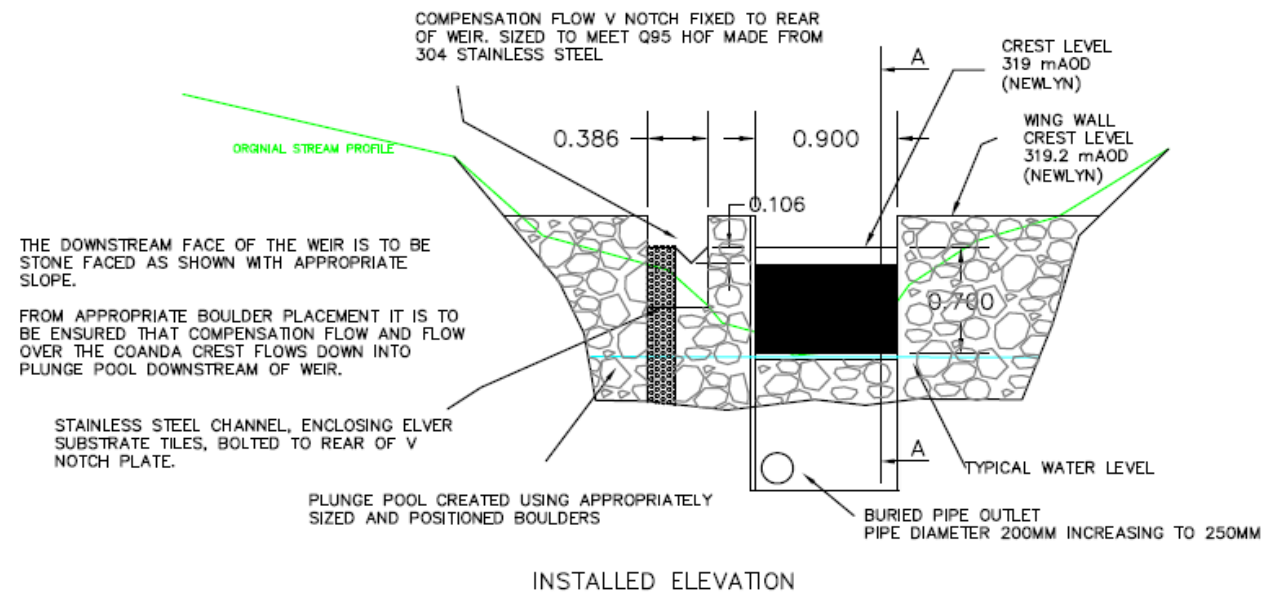
MAP ACCOMPANYING LICENCE NUMBER / MAP I GYFEILIO TRWYDDED RHIF  
 WA/065/0005/005/V004  
 Scale | Graddfa 1:10,000



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

COANDA SCREEN  
 TYPE D-900 WITH PREFABRICATED SUMP  
 ALL FROM 304 STAINLESS STEEL  
 1MM APERTURE

CONSTRUCTION NOTES  
 The weir will be constructed by positioning the prefabricated screen and sump and forming a concrete structure around it. This will be stone faced on the downstream exposed surfaces to minimise visual impact.



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

DRAWING TITLE		INTAKE		
PROJECT		CWM CLOCH HYDRO SCHEME		
DIMENSIONS IN METRES	© 2011	SIZE	FSCM NO.	DWG NO.
		A3	Scale: 1:20	NWHP_200_Intake_Flowsplit
PRELIMINARY DRAWING FOR CONSENTING PURPOSES - NOT FOR CONSTRUCTION		SCALE	DATE	REV
		1:50	21/07/2020	G
		SHEET 1 OF 1		

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