



EASR Application

Proposed Variation Details

Sloy Hydropower Scheme
CAR-L-1011861

Introduction

Overview

This document provides supporting information for the proposed amendment to CAR-L-1011861.

The document includes the following:

- The location of the new Hands of Flow (HoF) release point
- The volume associated with the new HoF release.
- The measuring location of the new HoF.

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Location of the New Hands-Off Flow (HOF) Release Point

Figure 1: Allt Uaine Intake is located at NN 26236 11358. The new HOF will be released at the same location (NN 26236 11358).

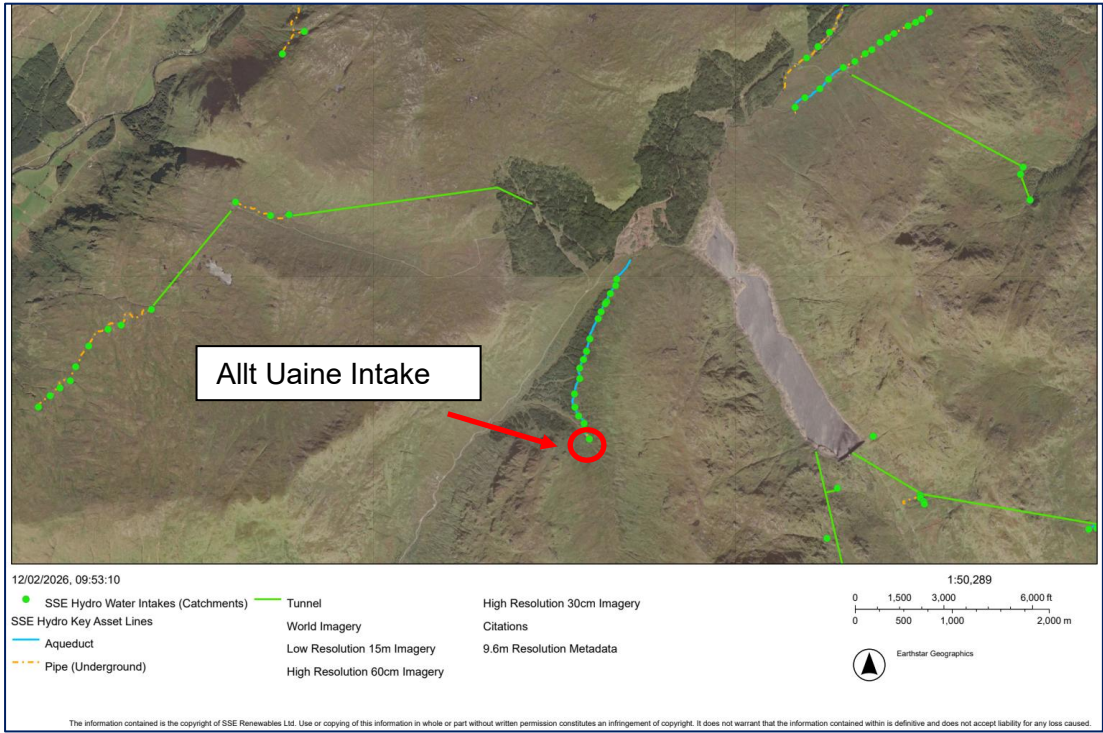


Figure 2: Aerial photography of the HoF location - Allt Uaine Intake.



Figure 3: Allt Uaine Intake



Hands-Off Flow (HOF) Volume

The Hands-Off Flow (HOF) volume was estimated using the Qube hydrological modelling application (2025), a tool widely adopted by SEPA for flow estimation and water resource assessments. Qube is specifically designed to simulate river flows in both gauged and ungauged catchments, incorporating natural hydrological processes as well as artificial influences such as abstractions and discharges.

The HOF value corresponds to the Q96 flow statistic as defined within Qube. This means it represents the flow that is equalled or exceeded 96% of the time under natural conditions.

Suggested text to be added to the licence:

Whenever the flow in any watercourse listed in column A of Table 1 below is less than the rate specified for that watercourse in column C of that table, as measured at or immediately below the intake at the location specified in column B of the table, no water shall be abstracted at that intake.

Table 1: A new table to be added to the CAR/L/1011861 licence

A	B	C
Watercourse	Location	Flow Rate (m3/s)
Allt Uaine	Allt Uaine Intake (Intake A7(18))	0.019

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