

Cocksburn Reservoir/Dumyat Footpath Works – Environmental Clerk of Works Report

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Report No. - Week commencing 2 - 15/01/2018
Site visit 16/01/2018
Weather during visit Wintry conditions with heavy snow showers and snow lying on ground
Report Issued 17/01/2018



Summary of construction activity on site	<ul style="list-style-type: none">• Stockpiling areas formed and in use at Cocksburn path head and uplift site.• Approximately 300m of works underway on Cocksburn path• Approximately 60 bags of material airlifted to upper section of Dumyat path during one days flying.• Weather has resulted in further uplift of material being postponed.
ECoW Activities	<ul style="list-style-type: none">• Updates from site staff with respect to works undertaken• Walkover both Cocksburn and Dumyat works areas.• Checks of fuel storage and management.• Checks of existing drainage.
Anticipated future activities on site	<ul style="list-style-type: none">• Stockpiling areas to be established for Cocksburn works and at uplift site for Dumyat.• Uplift of remaining aggregate material within bags.• Ongoing stripping and bed creation works at Cocksburn.• Weather likely to result in further delays during rest of week.
Information Requests	<ul style="list-style-type: none">• Updated construction plans for Dumyat. McGowans to provide.• Specification drawing reference APG. McGowans to provide
Observed Good Practice	<ul style="list-style-type: none">• Good use of plant nappies throughout site including up on hill. All fuel storage confirmed as double skin tanks and appear in good order.• Early installation of culverts where required to manage clean water through works area.• All plant have spill kits. Consider additional spill kit measures on hill path due to remote location of works.• Good signage in place. Ensure signs are clear of snow.

New ECoW Observations					
Ref	Site Area	Category	Details	Recommendations	Importance
2.1	Cocksburn	Drainage/ Silt	Potential need for additional culvert close to stockpile area at start of path.	Although only a catchment area, water may build up immediately west of stockpiling area at head of Cocksburn path and subsequently flow out on to road through gate. Consider additional culvert at this location.	Moderate

Photographs		
		
Culvert in place on initial section of Cocksburn path.	2.1 – Area potentially requiring additional culvert.	

Ongoing ECoW Observations					
Ref	Site Area	Category	Details	Ongoing Notes	Importance
1.2	Dumyat	Drainage/ Silt	Establishment of aggregate uplift storage area close to existing compound. Land adjacent to the north is rush dominated (most likely M23 <i>Juncus effusus/acuteiflorus</i> – <i>Galium palustre</i> rush-pasture) with potential dependence on groundwater.	08/01/2018 - Location of uplift storage area to be stripped of turf/topsoil and stored separately to any subsoil. Stripped turf bund or cut off ditch used to form upslope drainage preventing drainage through works area avoiding any silt transfer to rush habitats downslope. Area to be affected does not have sensitive habitats. Silt mitigation through bunding or	Moderate

				<p>silt fences may also be required to reduce potential for silt runoff.</p> <p>16/01/2018 – Area of disturbance has increased slightly due to unforeseen need to re-bag aggregate due to weight. Ground very soft and no stripping of vegetation has occurred. Habitat in area of limited nature value but works area should be restricted. New hardstanding track created at entrance with culvert and filter area, nonetheless, due to slope and wet ground it is recommended that a small depression/ditch is created to prevent clean surface water influx to working area. Issue discussed and agreed with McGowans. Monitor existing culvert outfall to ensure that no sediment input to nearby watercourse occurs.</p>	
1.3	Cocksburn	Sensitive Habitats/Species	Area of petty whin identified and need to protect from impact agreed.	<p>08/01/2018 - Interested parties to assist in demarcating exclusion area but general line agreed on site 08/01/18.</p> <p>16/01/2018 – McGowans installed marker posts and rope along section of concern. These were removed/knocked down by public. Markers reinstated, but improved marking system recommended. Markers should return at ends to enclose area or additional signage to ensure that people walk the correct side of the markers. This section of path very narrow and to ensure protection of petty whin a no works 0.5m buffer should be installed. This will result in some level of impact to existing heath vegetation on other side of track. Heath vegetation should be stripped where required and reinstated on path edge.</p>	Moderate
1.4	Cocksburn	Sensitive Habitats/Species	Particular care needed on wetter areas along southern side of reservoir not to disrupt hydrology and associated wetland/flush habitats.	<p>08/01/2018 - Minimise working corridor and plan works to avoid unnecessary disturbance. Culverts placed appropriately to maintain existing hydrological connectivity. Need for careful silt management in such areas.</p> <p>16/01/2018 – no works at location at present.</p>	Moderate

1.5	Cocksburn	Sensitive Habitats/Species	Particular care needed on wetter areas along north eastern side of reservoir not to disrupt hydrology and associated wetland/flush habitats.	08/01/2018 - Minimise working corridor and plan works to avoid unnecessary disturbance. Culverts placed appropriately to maintain existing hydrological connectivity. Need for careful silt management in such areas. 16/01/2018 – no works at location at present.	Moderate
1.6	Cocksburn	Pollution Risk	Location of temporary machine crossing location.	08/01/2018 - Temporary crossing point to be installed. Desired approach of introducing clean rock up to edge with safe sheet metal crossing surface avoiding the need for introduction of culverts or additional disturbance to watercourse bed. All to be removed and reinstated upon completion. 16/01/2018 – no works at location at present.	Moderate

Closed ECoW Observations					
Ref	Site Area	Category	Details	Notes	Closed
1.1	Cocksburn	Protected Species	Very small sections of dry stone wall to be removed to allow access for aggregate deliveries. Extent of works very small and probability of hibernating reptiles being present on relatively exposed section assessed as being low.	Small section of stone wall carefully removed and inspected. No reptile issues identified.	16/01/2018

281000 281500 282000 282500 283000 283500

699000

698500

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697500

697000

Cocksburn Reservoir and Dumyat Footpath Works

ECoW Week 2 - 16/01/2018



Legend

GWDTE Dependency (Dumyat only)

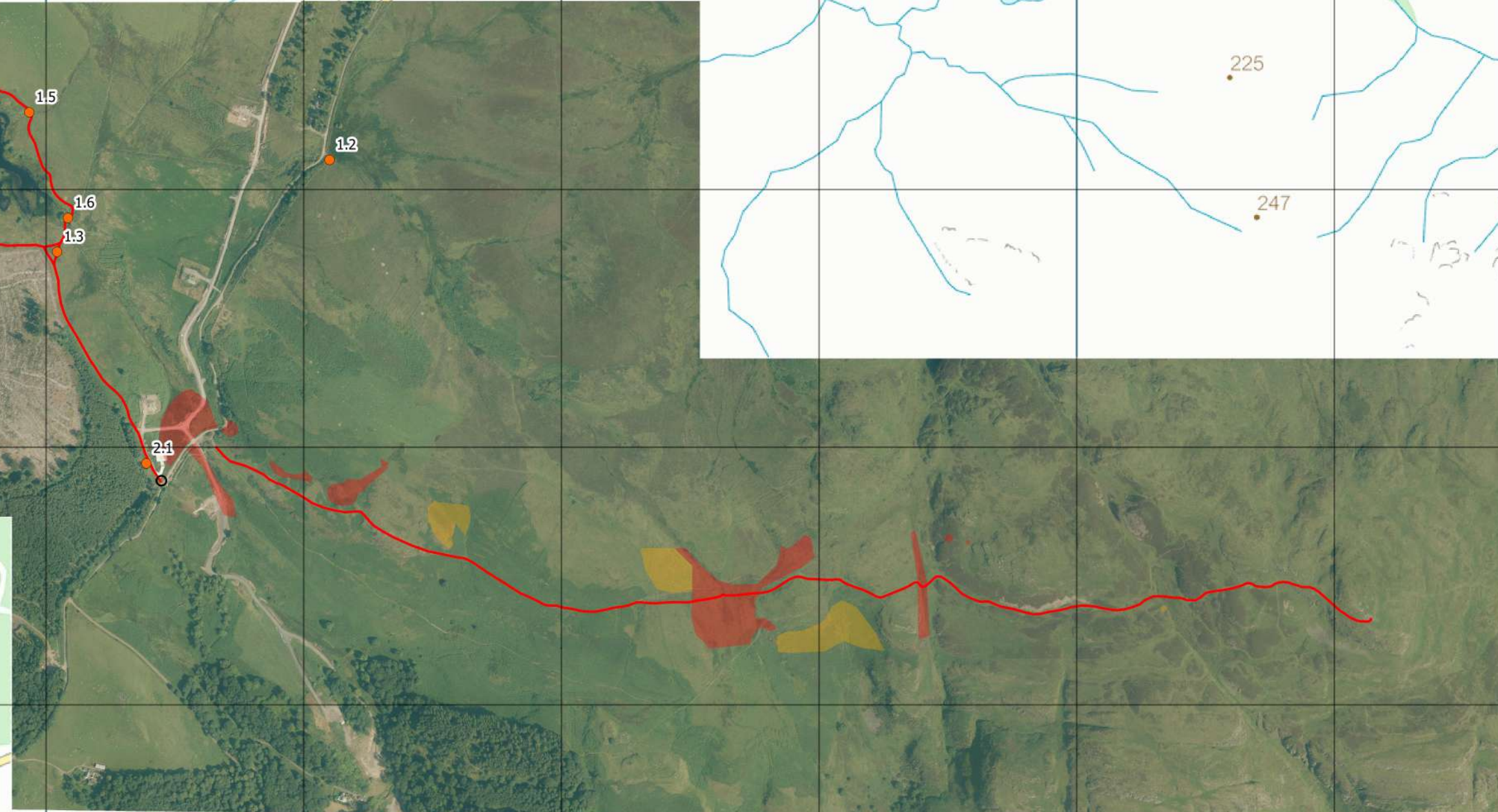
- High Potential
- Moderate Potential

ECoW Observations

- Moderate
- High
- Low
- Resolved
- Proposed Path Routes

Burn

Lossburn Reservoir



Note: Aerial imagery from 2015 during Beauldy Denny construction



Drawing number: 18/001/MCG/002
 Revision: 1
 Date of production: 2018-01-17
 Drawn by: JB - Tracks Ecology
 Projection: British National Grid EPSG:27700
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Yellowcraig Wood

Hermitage Wood

Witches Craig Caravan Site

Blairlogie

Hillfo