

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

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Report No. - Week commencing 17 – 07/05/2018
Site visit 09/05/2018
Weather during visit Mild and dry.
Report Issued 11/05/2018



- Summary of construction activity on site**
- Cocksburn Reservoir works nearing completion with approximately 100m to complete.
 - Works continue on Section 6 with approximately 100m requiring completion.
 - Tidying of compound areas and removal of silt mitigation features where no longer required.
- ECoW Activities**
- Checks of existing drainage and silt mitigation.
 - Walkover Cocksburn Reservoir and Dumyat Hill route with SPEN.
 - Discussions with McGowans with respect to ongoing activities on Section 6 and issues encountered.
 - Discussions with McGowans with respect to ongoing activities on Cocksburn.
 - Reminders to all operatives regarding reptiles and nesting bird issues.
 - Visit 17 represents the final visit by ECoW.
- Anticipated future activities on site**
- Completion of Cocksburn Reservoir route within week.
 - Completion of all areas on Dumyat within two weeks.
- Information Requests**
- Observed Good Practice**
- Disturbance to GWDTE areas is minimal and existing flow is maintained.
 - Good use of plant nappies throughout site including up on hill although some nappies are becoming less effective.
 - Appropriate reinstatement on small areas of steep ground.
 - Use of appropriate drainage where required with drainage ditches within pathway sites running clear.
 - Good quality reinstatement continues with edging works attempting to fill any small gaps in reinstatement.
 - Good use of silt fences and other drainage management features

New ECoW Observations					
Ref	Site Area	Category	Details	Recommendations	Importance
None					

Photographs

Cocksburn Reservoir path nearing completion	16.2 Damaged culvert to be repaired.	16.4 Good quality reinstatement on steep slope.

Ongoing ECoW Observations					
Ref	Site Area	Category	Details	Ongoing Notes	Importance
16.2	Cocksburn	Drainage	Damaged culvert outfall near Cocksburn compound resulting in partial blocking of culvert.	Area can be repaired during reinstatement works to be undertaken in next few days. 09/08/2018 – McGowans confirmed culvert will be fixed during ongoing final works at location.	Low

Recently Closed ECoW Observations					
Ref	Site Area	Category	Details	Notes	Closed
16.1	Cocksburn	Pollution Risk	Fuel bowser at Cocksburn compound was unlocked with no staff present.	Fuel store should be kept locked at all times when not in use, especially in light of recent issues with tampering of equipment. 09/05/2018 – Compound being dismantled but fuel storage was locked or under supervision.	09/05/2018
16.3	Cocksburn and Dumyat	Pollution Risk	Some of the plant nappies have become heavily soiled and their effectiveness may be reduced.	Consider replacing any plant nappies to ensure effectiveness. 09/05/2018 – Due to works nearing completion, plant is starting to be removed from site. Plant nappies adequate for remaining time on site.	09/05/2018
16.4	Dumyat	Sensitive Habitats/Species	Small area of steep slope has been cut away on lower section of Section 6 to allow path bed to be created. Due to the angle of the slope it will be difficult to get reinstated turves to establish. In addition reinstated turves in places support gaps which may allow edges of turves to dry resulting in shrinkage, erosion and failure to establish.	Suggested use of some of the boulders present to form natural looking ledges and then some degree of reinstatement where possible to create natural look. Also potential to expose bedrock in areas discussed. Key will be to obtain natural looking feature with no potential for erosion. Ensure that as far as possible no gaps between reinstated turves remain. Gaps may need filling with soils to ensure that a tight surface is present preventing drying by wind. 09/05/2018 – Good reinstatement of area with some small areas of bedrock exposed and slope angle decreased and reinstated with turves.	09/05/2018
16.5	Dumyat	Drainage	Close to the temporary compound on Section 6 a small area of impeded drainage and subsequent standing water is present immediately adjacent to the path.	Additional drainage management required at location. Ensure that whichever approach is taken additional drainage of GWDTE areas is not facilitated. 09/05/2018 – through appropriate ditching and reinstatement area is no longer an issue.	09/05/2018
15.1	Dumyat	Protected Species	Potential nesting meadow pipits approximately 20m south of line of path at end of Section 6.	At present potential nesting location is far enough away from works corridor, especially considering the path is relatively busy. No additional mitigation required, but vigilance by workforce is required. If concerns arise then workers should	09/05/2018

				<p>minimise the amount of time spent outside of machines in areas of concern. Communications with ECoW should be undertaken if nests within 20m of working corridor are suspected.</p> <p>02/05/2018 – No further evidence of birds nesting within close proximity of the works corridor so no mitigation required at present. Issues of nesting birds discussed with site operatives.</p> <p>09/08/2018 – No additional ground required breaking and all works are almost complete. Reminder to workforce regarding nesting birds provided but no sign of nesting birds within proximity of the works was identified.</p>	
14.3	Dumyat	Sensitive Habitats/Species	Works along Section 6 is now underway and particular care is required to limit impacts on GWDTEs.	<p>Discussions between McGowans and ECoW were undertaken during site visit, with approach agreed. In summary line of path is to avoid significant area of potential GWDTEs. Where crossing such habitats, localised flushed areas will be avoided with appropriate water management (culvert with diffuse outfall) will be sensitively installed. Extensive ditching will be avoided in sensitive areas to avoid any significant changes in hydrological connectivity. Culvert locations discussed and agreed. Path construction and water management to be monitored for effectiveness. Works are in line with those proposed on Tracks Ecology Drawing 18/001/MCG/004 GWDTE Mitigation.</p> <p>23/04/2018 – Care is being taken around GWDTEs areas with works suspended during wet weather to limit disturbance. Footprint of works is being kept to a minimum with early installation of culverts and use of silt fences resulting in no silt issues arising. Area to be monitored with continuation of existing sensitive working practices.</p>	09/05/2018

				<p>02/05/2018 - Disturbance to GWDTE areas is minimal and existing flow is maintained which should ensure that the associated habitats are also maintained in the long run. Areas to be monitored until completion of sub-base works.</p> <p>09/08/2018 – Works within sensitive areas is now complete. Hydrology has not been significantly altered and GWDTE should remain on site with only limited disturbance.</p>	
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282500

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283500

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698500

698000

697500

697000

Cocksburn Reservoir and Dumyat Footpath Works

ECoW Visit 17 - 09/05/2018



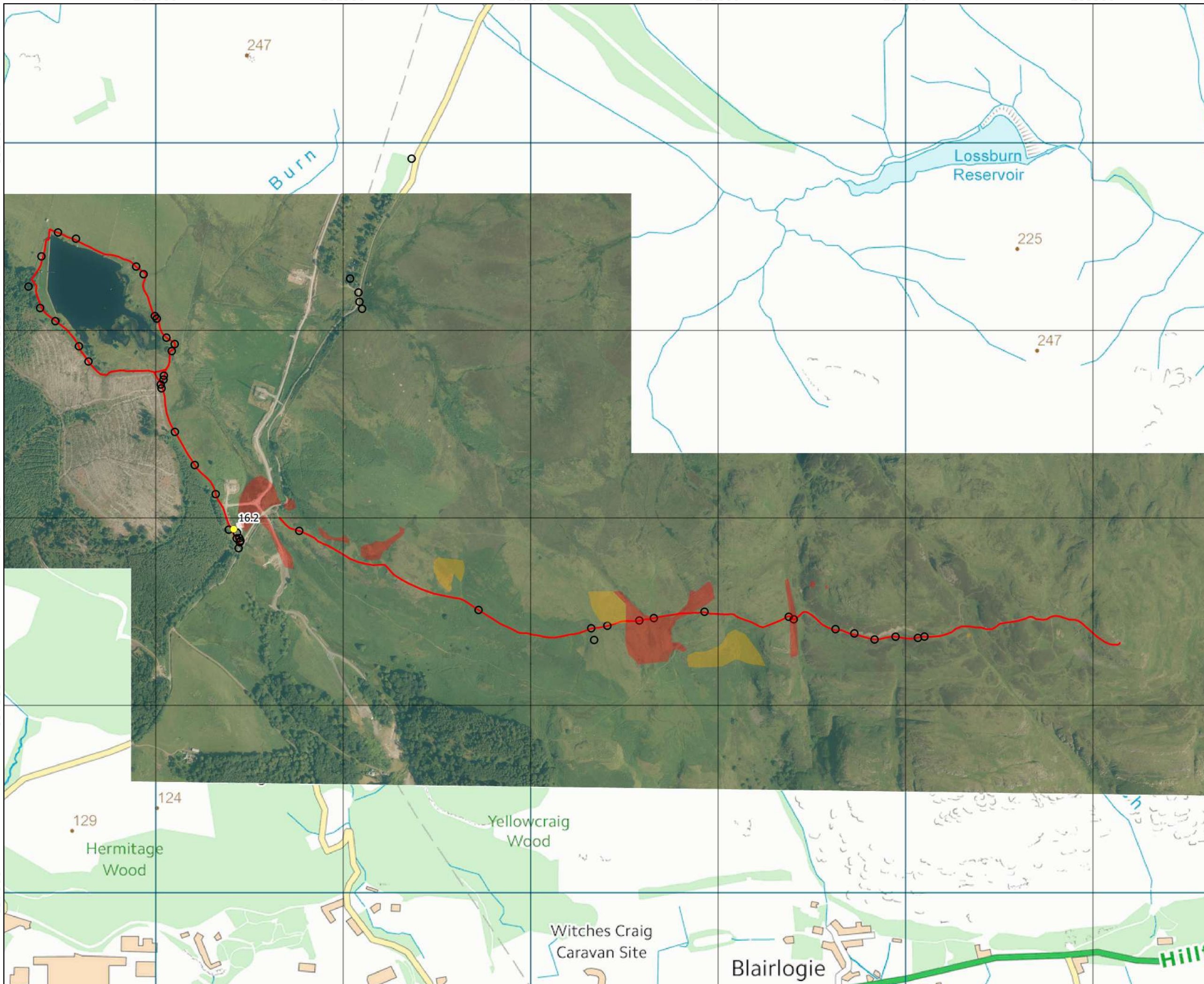
Legend

GWDTE Dependency

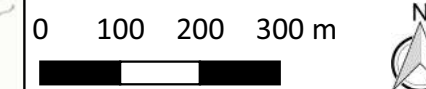
- High Potential
- Moderate Potential

ECoW Observations

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



Note: Aerial imagery from 2015 during Beauldy Denny construction



Drawing number: 18/001/MCG/018
 Revision: 1
 Date of production: 2018-05-11
 Drawn by: JB - Tracks Ecology
 Projection: British National Grid EPSG:27700
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