

**Beauly to Blackhillock to New Deer to
Peterhead 400 kV Project
Environmental Impact Assessment Report
Volume 5 | Appendices**

**Appendix 10.7 – Detailed Hydrological and
Hydrogeological Baseline Report**



APPENDIX 10.7 – DETAILED HYDROLOGICAL AND HYDROGEOLOGICAL BASELINE REPORT

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1. Introduction

- 1.1.1. As part of the works undertaken in support of the Environmental Impact Assessment (EIA) for the Proposed Development, this technical appendix presents detailed results of the desktop studies carried out to establish the existing baseline hydrological and hydrogeological conditions within the Study Area (1 km from the Limit of Deviation (LoD) and access tracks). The detailed information presented on Water Resources (Scottish Environmental Protection Agency (SEPA) abstractions and Scottish Water public water supplies) and Groundwater Dependent Terrestrial Ecosystems (GWDTE) within this report informs the summary baseline information and the assessment of potential and residual effects in **Chapter 10: Water and Geological Environment** of the EIA Report. Background information on the approach to the assessment, including Study Area and data gathering methodologies, are also presented in **Chapter 10: Water and Geological Environment** for reference.

2. Detailed Baseline Information

2.1. Water Supplies

SEPA CAR Abstractions

- 2.1.1. SEPA were contacted in September 2023 and in March 2024 in order to obtain records of Controlled Activity Regulations (CAR)¹ applicable activities within the Study Area. 78 activities were identified within the Study Area.
- 2.1.2. Based on the register of CAR authorisations provided by SEPA, the majority of authorisations relate to discharge consents, which do not need to be considered within the context of the EIA, as they are not water abstractions.
- 2.1.3. There are 24 SEPA CAR abstractions within the Study Area, as presented in **2.1**, and illustrated in **Figure 10.7.1 SEPA CAR Abstractions, Scottish Water Abstractions and SEPA Drinking Water Protection Areas**. From the 24 SEPA CAR Abstractions within the Study Area, nine have been screened in for further assessment due to potential hydrological connectivity with the Proposed Development. Based on the criteria set out in **Table 10.2** in **Chapter 10: Water and Geological Environment**, those which are considered to have high sensitivity are the abstractions which serve distilleries (Aultmore CAR/L/1011442 and Glendronach CAR/L/1011007), given their scale and the potential importance of water supply in the distilling process. The abstractions which are used for abstraction or storage for water supplies serving <10 properties are considered to have medium sensitivity, and those which are not in use for human consumption (i.e. industrial or agricultural in nature) are considered to have low sensitivity.

¹ Scottish Environment Protection Agency (2022). The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (as amended) – A Practical Guide. Available at: <https://www.sepa.org.uk/media/cd3doeli/car-a-practical-guide.docx>

Table 2.1: Details and screening of CAR abstractions within the Study Area

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR/L/1011467	Scottish Hydro Electric Plc, Kilmorack Power Station, Kilmorack, Beauly	249413	844230	Abstraction Return; Abstraction Hydropower; Impoundment Hydropower; Abstraction Monitoring Point	Low	895 m west and similar elevation to nearest proposed access track (temporary) and 930 m northwest and upgradient of a proposed tower. Abstraction source is from the River Beauly, located upstream of the Proposed Development. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/S/1013861	Corff Building, Beauly	251527	844849	Abstraction Environmental Service	Medium	70 m west and slightly downslope of a proposed access track (All Terrain Vehicle (ATV)) access track for which excavation works are not anticipated). Vehicles with low ground bearing pressure tyres or with rubber tracks would traverse across these ATV tracks. Additional access protection may not be required on ATV tracks if operations can be carried out without leaving tyre marks. 480 m north and at a similar elevation as an existing tower which will be dismantled and 530 m north and at the same elevation as a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR/R/1192247	Land 50 m east of Bruichnain Farmhouse, Delmore	263193	845634	Unknown	Medium	930 m northwest and downslope from a proposed access track (ATV) for which excavation works are not anticipated. Vehicles with low ground bearing pressure tyres or with rubber tracks would use these ATV tracks. 2.9 km northwest and downslope from an existing tower, which will be dismantled and 4.2 km north and downslope of a proposed tower, for which excavation works are anticipated. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1192608	Woodside Cottage Inverness	263843	844757	Unknown	Medium	100 m southeast and downslope from a proposed access track (ATV) for which excavation works are not anticipated. Vehicles with low ground bearing pressure tyres or with rubber tracks would use these ATV tracks. 2.5 km northeast and upslope from an existing tower which will be dismantled and 3.6 km north and upslope of a proposed tower, for which excavation works are anticipated. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR/R/1194347	Aarhus Inverness	263492	844572	Unknown	Medium	150 m neast and downslope from a proposed access track (ATV) for which excavation works are not anticipated. Vehicles with low ground bearing pressure tyres or with rubber tracks would use these ATV tracks. 2.2 km northeast and upslope from an existing tower which will be dismantled and 3.3 km north and upslope of a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1192800	Anam Cara, 18 Upper Leachkin, Inverness	263184	844261	Unknown	Medium	270 m and southeast and on the opposite side of a hill from a proposed access track (ATV) for which excavation works are not anticipated. Vehicles with low ground bearing pressure tyres or with rubber tracks would use these ATV tracks. 1.7 km north and upslope from an existing tower which will dismantled and 2.9 km northeast and upslope from a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1185928	Fearna, Bunchrew, Inverness	262113	844580	Unknown	Medium	600 m northwest and downslope from a proposed access track (ATV) for which excavation works are not anticipated. Vehicles with low ground bearing pressure tyres or with rubber tracks would use these ATV tracks. 1.5 km northwest and downslope from a tower which will be dismantled and 3 km northwest and downslope of a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR/L/1184236	Ness Castle Phase III, Inverness	264967	841503	Unknown	Medium	525 m northeast and at the same elevation as a proposed access track (ATV) for which excavation works are not anticipated. Vehicles with low ground bearing pressure tyres or with rubber tracks would use these ATV tracks. 1 km north and at the same elevation as an existing tower which will be dismantled and 1.7 km north and downslope of a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1129818	Ness Castle Lade Abs Works, River Ness	263820	840880	Abstraction Fish Production	Medium	240 m southwest and downslope from an existing tower which will be dismantled and a proposed access track (ATV) for which excavation works are not anticipated. 580 m northeast and downslope from another access track (new temporary) and 730 m northeast and downslope of a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1149163	Scaniport Estate, Inverness	263078	839873	Abstraction Drinking Water Supply (Private)	Medium	465 m northeast and upslope from an existing access track (upgrade), on the other side of an existing road. Also it is located 475 m southwest of a proposed tower. The abstraction source is situated adjacent to the Laggan Burn within part of the catchment which is upgradient of the proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR/R/1122507	Scaniport Bungalow Borehole, Inverness	263048	839885	Abstraction Drinking Water Supply (Private)	Medium	450 m northeast and slightly downslope from an existing access track (upgrade) on the other side of an existing road. Also, it is located 490 m southwest of a proposed tower. The abstraction source is situated adjacent to the Laggan Burn within part of the catchment which is upgradient of the proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1115484	Berry Burn Wind Farm, Nr Cork Farm	303989	846842	Agriculture (irrigation - mobile plant)	Low	The abstraction is a surface water abstraction from a ditch. It is located 20 m north and slightly upslope from an access track (upgrade of an existing track in good / fair condition which requires no additional footprint) and 220 m northwest, upslope and on the opposite side of an existing road from a proposed tower. For precautionary reasons, due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
CAR/R/1109864	Berry Burn Wind Farm, By Forbes	303989	846842	Industrial or Commercial: Process Water; Abstraction Environmental Service	Low	Assumed that the abstraction is a surface water abstraction from the ditch located next to it. It is located 20 m north and upslope from an access track (upgrade of an existing track in good / fair condition which requires no additional footprint) and 220 m northwest and upslope, and on the opposite side of an existing road from a proposed tower. For precautionary reasons, due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR R/1186191	Land At Blackmyre Farm, Dallas, Moray	310800	850520	Unknown	Medium	470 m southeast and at the same elevation from an access track (upgrade of an existing track in good / fair condition which requires no additional footprint) and 2.3 km from a proposed tower. Also, the abstraction is located downstream of a tributary which is runs parallel to and in proximity (30 m) to the existing access track. As a precaution, given its topographical location relative to the nearest infrastructure and the unknown status of the authorisation activity, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
CAR/S/1132320	Mill of Kellas Fishing Ponds, Elgin	317210	854400	Abstraction Fish Production; Abstraction Return	Low	1.1 km northwest and generally downslope from a proposed tower. However the abstraction is taken from ponds which lie on the opposite side of an existing road and the River Lossie valley. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/L/1004664	Burnside of Dipple Farm, Fochabers, Moray	332961	856950	Agriculture (irrigation - fixed intake)	Low	125 m northwest and at a similar elevation to a proposed access track (temporary) and 145 m north and at a similar elevation as a proposed tower. The abstraction is also situated approximately 350m downstream of another proposed tower. The abstraction is located adjacent to a small tributary catchment of the River Spey. Due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
CAR/L/1011442	Aultmore Distillery, Keith, Banffshire	340152	853483	Water Resources - Whisky, Distilling & Brewing	High	There are several abstractions for Aultmore Distillery - which are presented in the rows below.	

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
		340290	854010	Abstraction Ab1 Auchinderran Supply	High	Abstraction from Auchinderran Burn and is located 340 m southwest and downslope from a proposed tower. Auchinderran Burn is located 170 m downslope from the nearest proposed tower. Due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
		340190	853830	Abstraction Ab2 Tarrycroys, Used for Cooling Water	High	Abstraction from Auchinderran Burn and is located 545 m southwest and downslope from a proposed tower and 440 m south and slightly downslope from a proposed access track (permanent). Auchinderran Burn is located 170 m from the nearest proposed tower. For precautionary reasons, due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
		340010	855380	Abstraction Ab3 Ryreriggs, Used for Cooling Water	High	Abstraction from Burn of Ryreriggs and is located 690 m northeast and upslope / upstream from a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1014438	Drum Farm, Keith	344388	850721	Agriculture (other than irrigation)	Low	230 m southeast and at a similar elevation to a proposed access track (ATV) for which excavation works are not anticipated, 535 m west and upslope from a proposed tower. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR/L/1100905	Auchanachie Hydro, Ruthven	350339	846671	Impoundment Hydropower; Abstraction Return; Abstraction Hydropower	Low	410 m southwest and downslope of an access track (existing access track in good / fair condition) and 700 m northeast and at the same elevation as a proposed tower. The abstraction lies downstream from a proposed tower along the Burn of Cairnie. For precautionary reasons, due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
CAR/R/1012972	East Cruichie, Drumblade, Huntly	358421	842252	Agriculture (other than irrigation)	Low	95 m west and upslope from an access track (existing access track in good / fair condition) and 640 m southwest and downslope from a proposed tower. Assumed that the abstraction is a surface water abstraction from an unnamed tributary which discharges to Keithny Burn / Forgue Burn which is located upgradient and upstream of the proposed tower and the access track. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/L/1011007	Glendronach Distillery, Forgue, Huntly	362667	843864	Industrial or Commercial: Process Water; Industrial or Commercial: Evaporative Cooling; All other industrial or commercial	High	There are six abstractions serving the distillery which are presented in the rows below.	-

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
		365460	842880	Abstraction Reidswell Water System	High	Abstraction is supplied by springs and is located 330 m north and downslope of a proposed tower and 200 m northwest and downslope from a proposed access track (temporary stone). The abstraction is situated on the other side of an existing road, however for precautionary reasons, due to its relative topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
		365610	842930	Abstraction Hare Moss Water	High	Abstraction is supplied by springs and is located 380 m north and downslope from a proposed tower and 200 m north and downslope from a proposed access track (temporary stone). The abstraction is situated on the other side of an existing road, but for precautionary reasons, due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
		364290	843330	Abstraction Whin Burn Spring Water System	High	Abstraction is supplied by a spring and is located 265 m northeast and at a similar elevation to a proposed tower and a section of proposed access track (permanent stone).	Potential hydrological connection. Further assessment is required. Screened in.
		362890	844220	Abstraction Balnoon Dam Supply	High	1.4 km northwest and at a similar elevation to a proposed tower. 1.1 km northwest and slightly downslope from an access track (existing access track upgrade in good / fair condition). The abstraction is located within a different tributary sub catchment of the Glendronach Burn to the infrastructure proposals. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
		362600	843340	Abstraction Placemill Dam	High	Abstraction is a dam inlet on the main channel of the Glendronach Burn which is located 735 m northwest and downslope from a proposed tower and 600 m northwest and downslope from an access track (existing access track upgrade in good / fair condition). The proposed infrastructure is situated within the upstream sub catchments of the Frendraught Burn and Burn of Templeland. Both tributaries flow from south to north and discharge into the Glendronach Burn. For precautionary reasons, due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
		362670	843450	Abstraction Reidswell Small weir	High	Abstraction from Glendronach Burn which is located 790 m northwest and downslope from a proposed tower and 580 northwest and downslope from a proposed access track (upgrade). The proposed infrastructure is situated within the upstream sub catchments of the Frendraught Burn and Burn of Templeland. Both tributaries flow from south to north and discharge into the Glendronach Burn. For precautionary reasons, due to its topographical position from the nearest infrastructure, it is considered hydrologically connected.	Potential hydrological connection. Further assessment is required. Screened in.
CAR/R/1014497	Woodhead Of Laithers	371940	845645	Agriculture (other than irrigation)	Low	845 m southeast and slightly upslope from a proposed tower and 800 m southeast and slightly upslope from a proposed temporary access track. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.
CAR/R/1013960	John Rennie & Sons (Farmers) Ltd, Gask House	372921	847123	Agriculture (other than irrigation)	Low	Abstraction situated adjacent to the Burn of Gask channel and approximately 520 m northwest and upslope from a proposed tower and 500 m from a temporary access track. Due to its topographical position from the nearest infrastructure, it is not considered hydrologically connected.	No potential hydrological connection. Further assessment is not required. Screened out.

CAR abstraction authorisations	Site Address	British National Grid Reference (Easting / Northing)		Authorisation Activity	Receptor Sensitivity	Distances from the nearest Proposed Infrastructure elements (approximate)	Potential Hydrological Connection to Proposed Infrastructure?
CAR/R/1114347	Upperton of Gask, Turriff	372090	847370	Agriculture (irrigation - mobile plant)	Low	Assumed that the abstraction is a surface water abstraction from the small pond located 1.3 km north and at a similar gradient to a proposed access track (temporary stone) and a proposed tower. An unnamed tributary of the Burn of Gask is crossed by an access track (temporary stone) and discharges to the small pond. Note that this is a mobile activity, so may be able to relocate during local construction activities.	Potential hydrological connection. Further assessment is required. Screened in.

Public Water Supplies

- 2.1.4. The Proposed Development crosses several Drinking Water Protection Areas (DWPA). **Table 2.2** presents information on the DWPA which lie within the 1 km Study Area, along with details of Scottish Water public water supply abstractions. Based on the Scottish Water abstractions dataset 23 are no longer in use within the Study Area, with their status either 'in disposal', 'demolished', 'sold', or 'abandoned'.
- 2.1.5. **Table 2.2** presents information on the relevant seven DWPA and five operational Scottish Water surface water abstractions and one operational Scottish Water groundwater abstraction wellfield (Spey Wellfield Abstraction Scheme) which are illustrated in **Figure 10.7.1**. Based on the potential for hydrological connectivity from the Proposed Development, the majority of these potential receptors (with the exception of Patties Croft DWPA / Groundwater Source) have been taken forward for further assessment within **Chapter 10: Water and Geological Environment**. Each of these potential receptors are considered to have a high sensitivity given that they are all abstractions for public water supplies.

Table 2.2: DWPA and Scottish Water Public Water Supply Abstractions within the Study Area

Scottish Water DWPA / SEPA DWPA	Subcatchment(s) / Watercourse(s)	Scottish Water abstraction in Study Area?	British National Grid Reference (Easting / Northing)		Scottish Water Equipment Classification Description	Distance from Proposed Infrastructure (approximate)	Potential Hydrological Connection from Proposed Infrastructure? Assessment required?
Glenlatterach / Leanoch Burn - upper catchment	Allt Creach / Glenlatterach Reservoir	Yes	318712	852168	Glenlatterach Raw Water Intake (RWI) Water Treatment Works (WTW) Source	Scottish Water's intake is situated at the southern end of the reservoir and is approximately 175 m downslope and to the east of the nearest proposed tower and permanent floating stone road. During a site walkover undertaken with Scottish Water staff, no other drainage ditches were observed in the immediate vicinity of infrastructure at this location. This was checked to ensure that there were not direct hydrological pathways between the towers and the intake.	Potential hydrological connection. Further assessment is required. Screened in.
Spey Wellfield Abstraction Scheme and the Ordiequish Collecting Chambers / River Spey	River Spey	Yes	333459	856970	Ordiequish RWI WTW Source and Spey Wellfield Abstraction Scheme	The Scottish Water intake is situated 300 m downstream and to the northwest of the nearest tower and 225 m downstream and to the northwest of a section of temporary track. Note that there is also a public supply groundwater wellfield located on the western side of the River Spey (Dipple borehole). The superficial aquifer is unconfined and extends predominantly to the west of the River Spey in accordance with the mapped extent of the alluvial sands and gravels. A review of the British Geological Survey (BGS) Superficial map² indicates the alluvium and river terrace deposits dominate the Spey Valley basin upstream for several kilometres, but narrow in width from 1.5 km at Dipple to 0.8 km south of the Red Burn. There are three proposed tower locations situated within the likely extent of the superficial aquifer supplying the aforementioned Spey Wellfield Abstraction Scheme as follows: • Tower CB14-1C is approximately 385 m upgradient and to the south and on the opposite side of the Red	Potential hydrological connection. Further assessment is required. Screened in.

² BGS GeoIndex Onshore viewer: Superficial geology (2020). Available at: https://mapapps2.bgs.ac.uk/geoindex/home.html?_ga=2.200831406.129307875.1654083545-959159431.1654083545 [accessed March 2025]

Scottish Water DWPA / SEPA DWPA	Subcatchment(s) / Watercourse(s)	Scottish Water abstraction in Study Area?	British National Grid Reference (Easting / Northing)		Scottish Water Equipment Classification Description	Distance from Proposed Infrastructure (approximate)	Potential Hydrological Connection from Proposed Infrastructure? Assessment required?
						Burn tributary from the nearest abstraction borehole in the Spey Wellfield Abstraction Scheme (BH1); • Tower CB12-16B is approximately 480 m cross gradient, to the south west, and on the opposite side of the Red Burn tributary from the nearest abstraction borehole in the Spey Wellfield Abstraction Scheme (BH1). • Tower CB12-15B is approximately 750 m cross gradient, to the south west of the Red Burn tributary from the nearest abstraction borehole in the Spey Wellfield Abstraction Scheme (BH1).	
River Deveron (Patties Croft) / Patties Burn	Tributary of River Isla	Yes	347837	849133	Patties Croft Groundwater Source (GWS) WTW Source	The Proposed Development crosses this DWPA, however the Scottish Water groundwater abstraction source is situated approximately 1.7 km to the east and upslope of the nearest tower realignment works.	No potential hydrological connection. Further assessment is not required. Screened out.
Herricks Burn / Birken Burn	Birken Burn	Yes	345721	847897	Birkenburn RWI WTW Source	Scottish Water's intake is situated approximately 175 m to the northeast and at a similar elevation to a proposed tower. Within 100 m there is also a section of existing track upgrade in the catchment.	Potential hydrological connection. Further assessment is required. Screened in.
Herricks Burn / Birken Burn	Herricks Burn	Yes	346093	848821	Herricks Burn RWI WTW Source	Scottish Water's intake is situated approximately 85 m and slightly downslope, to the north of a proposed tower in Balloch Wood. A section of the existing track within the catchment will also be upgraded, along with the addition of a proposed permanent access track which is located 50 m west.	Potential hydrological connection. Further assessment is required. Screened in.

Scottish Water DWPA / SEPA DWPA	Subcatchment(s) / Watercourse(s)	Scottish Water abstraction in Study Area?	British National Grid Reference (Easting / Northing)		Scottish Water Equipment Classification Description	Distance from Proposed Infrastructure (approximate)	Potential Hydrological Connection from Proposed Infrastructure? Assessment required?
River Deveron	River Deveron and its tributaries including River Isla, Burn of Turriff and Idoch Water	No	N/A	N/A	N/A	No operational Scottish Water abstraction has been identified within the Study Area, There are proposed towers and sections of temporary, permanent and upgraded track across parts of this extensive DWPA, stretching from west of Keith to south of Turriff. Although the Scottish Water abstraction itself is over 1 km from the Limits of Deviation, there is still potential for hydrological connection along the various tributaries of the River Deveron. The abstraction point in the DWPA will also need to be confirmed prior to any development.	Potential hydrological connection. Further assessment is required. Screened in.
River Ugie	Tributaries of South Ugie Water	No	N/A	N/A	N/A	No operational Scottish Water abstraction has been identified within the Study Area. There are proposed towers and sections of temporary track being proposed within the upper reaches of the DWPA. The Scottish Water abstraction which serves the Forehill WTW at Peterhead is situated outside of the Study Area, however the River Ugie DWPA has been screened in as part of a precautionary approach. The abstraction point in the DWPA will need to be confirmed prior to any development.	Potential hydrological connection. Further assessment is required. Screened in.

2.2. Wetlands

2.2.1. As noted in the Consultation **Section 10.2 of Chapter 10: Water and Geological Environment** SEPA have requested a 10 m buffer of all water features including wetlands. The Scottish Wetland Inventory³ identifies numerous wetlands in close proximity (i.e. 10 m) to the Proposed Development, presented in **Table 2.3** and in **Figure 10.7.7: SEPA Scottish Wetlands**.

Table 2.3: Proposed Infrastructure located within a wetland or in close proximity (i.e. 10 m)

Wetland Object ID ⁴	Wetland type	Proposed Infrastructure within the Wetlands buffer ⁵
108634	Wet grassland	Situated within the allocated buffer and at the same elevation as an existing access track (upgrade of existing track in poor condition).
109008	Marshy grassland	Situated within the allocated buffer and at the same elevation as an existing access track (upgrade of existing track in good / fair condition).
42267	Swamp	Situated within the allocated buffer and at the same elevation as an existing access track (upgrade of existing track in good / fair condition).
107422	Swamp	Intersects a section of proposed access track (ATV or temporary).
109959	Wet grassland	Intersects a section of proposed access track (temporary).
113024	Wet grassland	Situated within the allocated buffer and at a similar elevation to an existing access track (upgrade of existing access track in good / fair condition).
107523	Wet grassland	Situated within the allocated buffer of a proposed tower and a section of proposed access track (temporary).
107524	Wet grassland	Intersects a proposed tower and a section of proposed access track (temporary).
112603	Wet grassland	Situated within the allocated buffer and at the same elevation as an existing access track (upgrade of existing track in very poor condition).
112605	Wet grassland	Situated within allocated buffer and at the same elevation as an existing access track (upgrade of existing track in very poor condition).
42152	Wet grassland	Situated within the allocated buffer and at the same elevation as an existing access track (permanent).
42281	Wet heath	Intersects two towers which are to be dismantled and a section of proposed access track (ATV for which excavation works are not anticipated).
42813	Wet grassland	Situated within the allocated buffer and at the same elevation as an existing access track (upgrade of existing track in very poor condition).
111209	Wet heath	Intersects an existing access track (upgrade of existing access track in good / fair condition).
111662	Wet heath	Intersects an existing access track (upgrade of existing access track in good / fair condition).

³ Scottish Government (2024). Scotland's Environment map. Available at: <https://map.environment.gov.scot/sewebmap/?layers=scotWetlandInven> [Accessed October 2024]

⁴ The object ID is used as a reference to each wetland polygon based on the Shapefile on the Scottish Wetland inventory at SEPA website: <https://www.sepa.org.uk/environment/environmental-data/>

⁵ Since the proposed access tracks may be up to 7 m wide, a precautionary buffer of 15 meters has been established on either side, resulting in a total buffer width of 30 meters. Similarly, a 35 m radius (70 m diameter) buffer has been set around both the proposed and dismantled towers to fully accommodate their total footprint.

Wetland Object ID ⁴	Wetland type	Proposed Infrastructure within the Wetlands buffer ⁵
110868	Wet Heath	Intersects a section proposed access track (permanent).
110485	Swamp	Intersects a section of proposed access track (permanent).
110196	Wet heath	Intersects a proposed tower and a proposed access track (permanent).
107189	Wet Grassland	Intersects a section of proposed access track (permanent).
110487	Wet heath	Intersects a section proposed access track (permanent).
43976	Wet heath	Intersects a proposed tower and a proposed access track (permanent).
40723	Wet heath	Situated within the allocated buffer and at the same elevation as a proposed access track (permanent).
106917	Peat bog	Intersects a section of proposed access track (permanent floated).
107190	Wet heath	Intersects a section of proposed access track (permanent floated).
110504	Wet heath	Intersects an existing access track (upgrade of existing access track in very poor condition).
107677	Wet heath	Intersects an existing access track (upgrade of existing access track in very poor condition).
109748	Wet heath	Intersects an existing access track (upgrade of existing access track in very poor condition).
106808	Wet heath	Intersects a section of proposed access track (permanent).
110363	Wet grassland	Intersects a proposed access track (ATV for which excavation works are not anticipated).
111208	Wet grassland	Situated within the allocated buffer and at the same elevation as a proposed access track (ATV for which excavation works are not anticipated).
44728	Swamp	Intersects an existing access track (upgrade of existing access track in poor condition).
113324	Swamp	Intersects an existing access track (upgrade of an existing track in poor condition).
106842	Wet heath	Intersects a proposed access track (upgrade of an existing track in poor / very poor condition).
115794	Wet grassland	Adjacent to an existing access track (upgrade of existing track in poor condition).
47067	Wet grassland	Intersects a proposed access track (temporary).
45819	Wet heath	Intersects three proposed towers, a proposed access track (permanent).
115055	Wet grassland	Intersects a section of proposed access track (permanent).
107854	Peat bog	Intersects a section of proposed access track (permanent).
107598	Peat bog	Intersects a section of proposed access track (permanent).
44626	Wet heath	Intersects a section of proposed access track (temporary).
107597	Peat bog	Intersects a section of proposed access track (temporary).

Wetland Object ID ⁴	Wetland type	Proposed Infrastructure within the Wetlands buffer ⁵
46966	Wet Grassland	Intersects a section of proposed access track (temporary).
107596	Peat bog	Intersects a section of proposed access track (temporary).
46148	Wet heath	Intersects five proposed towers and one proposed access track (permanent).
46782	Peat bog	Intersects a section of proposed access track (permanent).
45674	Peat bog	Intersects a section of proposed access track (temporary).
42995	Wet heath	Intersects a section of proposed access track (temporary).
114260	Wet heath	Intersects a proposed tower and one proposed access track (permanent).
43002	Peat bog	Situated within the allocated buffer and at the same elevation as proposed access track (permanent)
44602	Wet grassland	Intersects a section of proposed access track (permanent).
113756	Peat bog	Intersects a proposed section of access track (permanent).
42864	Peat bog	Intersects a proposed tower and a section of a proposed (permanent).
106317	Wet Grassland	Situated within the allocated buffer of a proposed access track (permanent).
42979	Wet heath	Intersects three proposed towers, various sections of proposed access tracks (including permanent stone, an upgrade, temporary stone and temporary floated types).
102446	Wet grassland	Intersects sections of proposed access tracks (comprising an upgrade of existing track in good / fair condition and a permanent track).
42721	Wet grassland	Intersects a section of proposed access track (permanent).
109737	Wet heath	Situated within the allocated buffer of an existing access track (upgrade of an existing track in good / fair condition).
102337	Wet grassland	Situated within the allocated buffer of an existing track (upgrade of an existing track in good/fair condition).
40704	Wet grassland	Situated within the allocated buffer of an existing track (upgrade of an existing track in good/fair condition).
102073	Wet grassland	Intersects an existing track (upgrade of an existing track in good/fair condition).
109900	Wet heath	Intersects three proposed towers, sections of proposed access tracks (comprising of temporary, and permanent types).
107787	Wet heath	Intersects a section of proposed access track (permanent).
107704	Peat Bog	Intersects an existing access track (upgrade of existing track in very poor condition).
102362	Peat bog	Intersects two proposed towers and associated sections of proposed access tracks (including temporary and permanent types).
108330	Wet heath	Intersects sections of proposed access tracks (including permanent track and an upgrade of an existing track in very poor condition)

Wetland Object ID ⁴	Wetland type	Proposed Infrastructure within the Wetlands buffer ⁵
110234	Wet heath	Intersects two proposed towers and one proposed access track (temporary stone).
107692	Wet heath	Intersects a section of proposed access track (permanent stone).
106709	Fen	Intersects a section of an existing access track (upgrade of an existing access track in very poor condition).
43276	Wet grassland	Intersects a section of proposed access track (permanent).
106970	Wet grassland	Intersects a section of proposed access track (temporary), and situated within an allocated buffer of an existing track (upgrade of an existing track in good/fair condition).
106971	Wet grassland	Situated within an allocated buffer of an existing access track (upgrade of an existing access track in good / fair condition).
47052	Wet grassland	Intersects a section of proposed access track (ATV for which no excavations or ground protection works are anticipated).
46198	Wet heath	Intersects three towers to be dismantled, six proposed towers and various sections of proposed access tracks (comprising of permanent and temporary types) and two culverts (permanent).
46452	Wet grassland	Intersects proposed access track (permanent and temporary).
46202	Peat bog	Intersects sections of proposed access track (comprising of permanent and temporary) and three towers to be dismantled, nine proposed towers.
83391	Wet grassland (Coleburn Pasture SSSI)	Three proposed towers and associated sections of proposed access tracks (comprising of permanent and temporary).
75793	Wet grassland	Situated within the allocated buffer of an existing access track (upgrade of an existing access track in poor condition).

2.3. Groundwater Dependent Terrestrial Ecosystems (GWDTE)

Background

2.3.1. In terms of an assessment approach for GWDTE on 8 October 2024, SEPA noted the following for the project:

"SEPA is currently updating its LUPS-GU31 Guidance in this regard but unfortunately, we do not have a date for its publication so you should follow the guidance in this and provide the information required. We understand it is unlikely to change dramatically. Please note that due to discrepancies in habitat definition and ambiguity in correspondence with NVC types we do not accept the use of The UK Habitat Classification System (UKHab) as an alternative to NVC. After reviewing your letter, we confirm, as a minimum, a NVC will be expected for all those areas where habitats were identified as having the potential to be groundwater dependent and fall within the relevant buffers."

2.3.2. On that basis a multi-tiered approach has been developed and applied to help identify where habitats have the potential to be more groundwater dependant. This approach was discussed in a meeting with SEPA on 15 January 2025. SEPA confirmed (via email) on 3 March 2025 that the proposed approach is low risk and is

acceptable for the Proposed Development. This approach has taken into account both LUPS 31 guidance⁶ and the new SEPA guidance on GWDTE (2025)⁷.

Habitat Survey Results

- 2.3.3. UKHab surveys have been undertaken for the Proposed Development and the results are presented in **Appendix 8.1: UK Habitat and Protected Species** and **Figure 8.1.2 UK Habitat Survey Results**, which support **Chapter 8: Ecology**.
- 2.3.4. The results identify 27 primary habitat types within the relevant 100 m and 250 m buffers (for excavations <1 m and > 1 m respectively), which map across to potential NVC communities listed in the previous LUPS-GU31⁶ guidance and the new guidance (2025)⁷ as being potential GWDTE habitat communities.
- 2.3.5. It is worth noting that there are variations between the guidance versions, for instance within the new guidance NVC M4 and U5c have been added, with M25 and S27 removed. Following a precautionary approach, any communities listed in the current (2024) and previous version (2017) have been included.
- 2.3.6. **Table 2.4** provides a summary of the habitats taken forward for consideration as part of a hydrogeological and hydrological screening approach.

Table 2.4: Summary of Potential GWDTE Habitats

Primary Habitat	Potential NVC Communities
f2 - Fen marsh and swamp	M4, M5, M6, M7, M8, M9, M10, M11, M12, M13 M14, M15, M16, M21, M22, M23, M24, M26, M27, M28, M29, M30, M31, M32, M33, M34, M35, M36, M37, M38 S1, S2, S3, S7, S11, S24, S25, S27
f2b – Purple moor-grass and rush pasture	M22, M23, M24, M25, M26
f2c – Upland flushes fens and swamps	M4, M5, M8, M9, M10, M11, M12, M13, M14, M15, M16, M21, M29, M34 , M37, M38, S25
f2e – Reedbeds	S24, S25
f2f – Other wetlands	M4, M5, M6, M7, M8, M9, M10, M11, M12, M13 M14, M15, M16, M21, M22, M23, M24, M26, M27, M28, M29, M30, M31, M32, M33, M34, M35, M36, M37, M38 S1, S2, S3, S7, S11, S24, S25
g1 – Acid grassland	U5, U6, U15, U16, U17
g1b – Upland acid grassland	
g1b6 – Other upland acid grassland	
g3 – Neutral grassland	MG4, MG8, MG9, MG10, MG11
g3c – Other neutral grassland	
g3c5 - Arrhenatherum neutral grassland	MG8, MG9
g3c7 - Deschampsia neutral grassland	MG9
g3c8 – Holcus-Juncus neutral grassland	M22, M23, MG8, MG10
h - Heathland and shrub	M15, M16, M25
h1 – Dwarf shrub heath	
h1a - Lowland heathland	
h1a7 - Wet heathland with cross-leaved heath- lowland (H4010)	
h1b - upland heathland	
h1b6 – Wet heathland with cross-leaved heath – upland (H4010)	
h3j - Willow scrub	W20

⁶ Land Use Planning System SEPA Guidance Note 31. Available at: https://www.sepa.org.uk/media/143868/lupsgu31_planning_guidance_on_groundwater_abstractions.pdf

⁷ SEPA (2024). Guidance on Assessing the Impacts of Development on Groundwater Dependent Terrestrial Ecosystems. Available at: [guidance-on-assessing-the-impacts-of-developments-on-groundwater-dependent-terrestrial-ecosystems.docx](#)

Primary Habitat	Potential NVC Communities
w1d5 - Alder woodland on floodplains (H91E0)	W2, W5, W6, W7
w1d - Wet woodland	W1, W2, W3, W4, W5, W6, W7
w2a - Native pine woodlands	W4

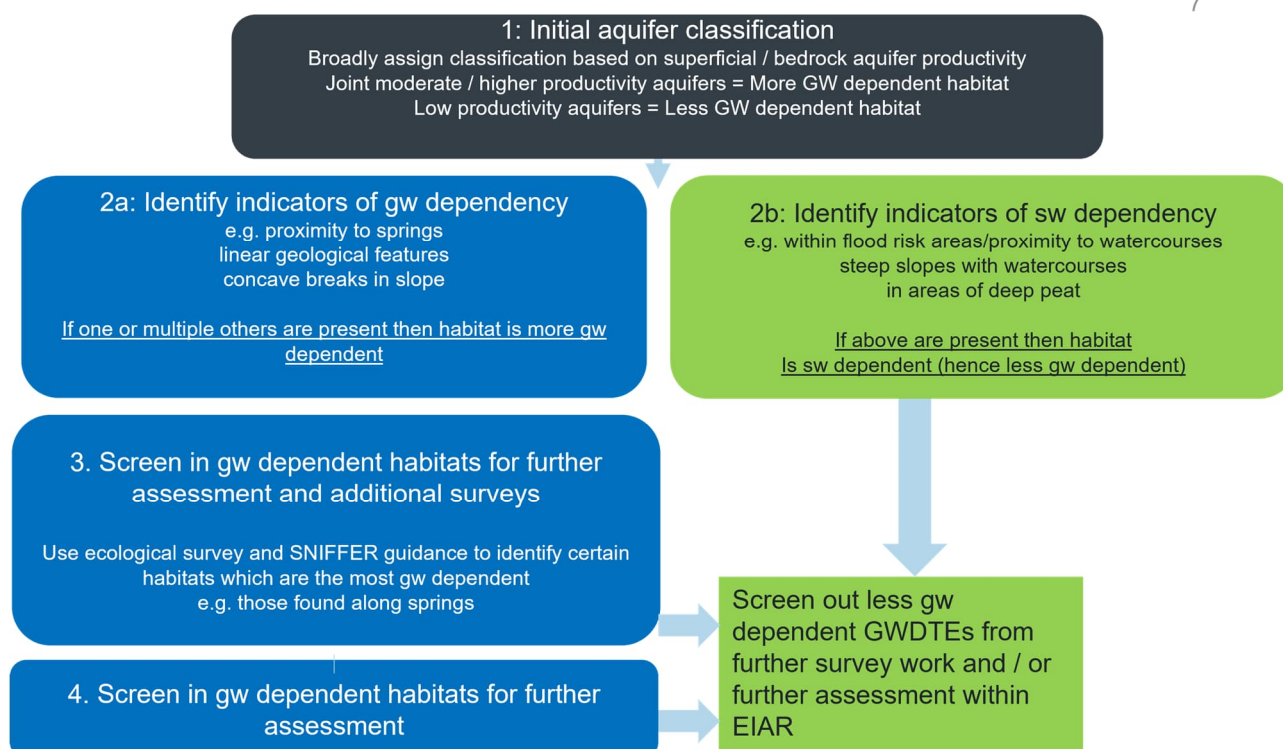
2.3.7. In total there are 671 individual land parcels or polygons which belong to these UKHab groups within 250 m of the Proposed Development (listed in **Table 2.4**). The habitats are distributed across a range of hydrogeological and hydrological settings along the route, and therefore the individual habitat polygons vary greatly in terms of their overall potential for groundwater dependency.

GWDTE Screening Approach

2.3.8. An evaluation has been undertaken to clearly provide appropriate evidence for screening out areas where there is a reduced likelihood of groundwater dependency, based on a number of relevant parameters. This has enabled more focus upon the assessment and data collection at the remaining areas (screened in), which are more likely to be sensitive to groundwater change. This follows key guidance including the emerging SEPA guidance on GWDTE and the SNIFFER WFD66 Wetland hydrogeomorphic classification for Scotland⁸. The SNIFFER guidance notes that the likelihood of dependency varies from wetland to wetland, which can either be a receptor of groundwater (gw) dependency or surface water (sw) dependency. This process has been categorised by application of a series of steps, illustrated in **Graphic 2.1** and described briefly in the section below.

Graphic 2.1: Overview of Screening Approach

7



⁸ Scotland & Northern Ireland Forum for Environmental Research (SNIFFER) (2007) Wetland Hydrogeomorphic Classification for Scotland [Online] Available at: https://www.researchgate.net/publication/342452431_Wetland_Hydrogeomorphic_Classification_for_Scotland_-_Final_Report_Project_WFD66

Stage 1 Initial Aquifer Classification

2.3.9. The SNIFFER WFD report sets out the following assumptions to define likelihood of groundwater dependence towards a groundwater body:

- High likelihood of dependency: Intergranular, High Productivity Drift Aquifer and Dominantly Intergranular, Highly Productivity Aquifer;
- Moderate Likelihood of Dependency: Moderate Productivity Drift Aquifer and Fractured, Very Low Productivity Aquifer; and
- Low Likelihood of dependency: Intergranular, Low Productivity Drift Aquifer and Very Low Productivity Aquifer

2.3.10. Based on the above criteria, **Table 2.5** identifies the scoring applied to indicate the level of groundwater dependency associated with aquifers across the Proposed Development.

Table 2.5: Initial Aquifer Classification

Superficial Productivity (SP)	Bedrock Productivity (BP)	Derived Groundwater Dependency, based on SP & BP	Groundwater Dependency Group	Relative Groundwater Dependency Score
High	High	High	Dependent	5
High	Moderate	Moderate – High	Dependent	4
Moderate	Moderate	Moderate	Dependent	3
Moderate	Low	Moderate	Dependent	3
Low	Moderate	Low – Moderate (i.e. combined scoring < Moderate)	Non-dependent	2
Low	Low	Low	Non-dependent	1

2.3.11. The BGS report on Aquifers in Scotland⁹, User Guide: Aquifer Productivity (Scotland) GIS datasets¹⁰, 1:50k Bedrock and Superficial Geology and BGS 625k Hydrogeology Map¹¹ have been used to help classify aquifer productivity as part of this initial exercise. These publications provide initial high-level groupings of superficial and bedrock aquifer productivities. The following bullets focus on the types of geology encountered along the Proposed Development.

Superficial Deposits

- High Productivity: Glaciofluvial sand and gravel; mixed glaciofluvial deposits; glacial ice-contact deposits;
- Moderate to High Productivity: Alluvium and river terrace deposits (unless specified as clay and silt);
- Low to Moderate Productivity: Marine, raised marine, blown sand, lacustrine beach deposits, tidal and intertidal deposit (unless specified as clay and silt); and
- not a significant aquifer (i.e. Low productivity): Till; moraine; hummocky / moundy glacial deposits, head, lacustrine deposits where dominated by clay and silt; all other deposits dominated by clay and silt.

Bedrock Deposits

- Intergranular Fracture Flow – Moderate Productivity: All Carboniferous sedimentary formations except the Passage Formation and those dominated by mudstones; most Devonian conglomerates, siltstones and limestones (Moray, Turriff);
- Intergranular / Fracture Flow – Low Productivity: Volcaniclastic sediments; Carboniferous mudstones;

⁹ BGS (2015) Scotland's aquifers and groundwater bodies Nottingham, UK, British Geological Survey, 63pp. (OR/15/028) (Unpublished) Available online: <https://www2.bgs.ac.uk/groundwater/waterResources/ScotlandsAquifers.html>

¹⁰ BGS (2015) User Guide: Aquifer Productivity (Scotland) GIS datasets, Version 2. Revised Report. Open Report OR/15/003 Available Online: https://www.europa.uk.com/library/bgs/scotland/Scotland_AqProd_Userguide.pdf

¹¹ BGS (2025) Web Map Service. Available online: <https://www.bgs.ac.uk/technologies/web-map-services-wms/>

- Fracture Flow; Low Productivity - Moine pelites; Dalradian (except psammities); Torridonian sandstones; Cambrian rocks except limestone & dolomite; Ordovician / Silurian greywackes, siltstones and related rocks; some Devonian flagstones (Caithness and Orkney); lavas; and
- Fracture Flow; Low Productivity: Moine (except pelites); intrusive igneous rocks.

2.3.12. Based on aquifer classification alone, 508 of the 671 habitats are scored as being non-groundwater dependent (i.e. having a score of 2 or lower based on the criteria set out in **Table 2.5**).

Stage 2: Relative Scoring of Groundwater and Surface Water Indicators

2.3.13. Following Stage 1, other site-specific information has been utilised to either increase or lower the initial aquifer scoring, based on the presence of other site-specific groundwater (2a) and / or surface water indicators (2b). For each habitat parcel, the total number of groundwater and surface water indicators have been collated to determine whether there is a justification for adjusting the Stage 1 scoring, either increased ('+' relative scoring), or lowered ('-' relative scoring), before assigning a final overall groundwater dependency score.

2a Indicators for Groundwater Dependency

2.3.14. The indicators which have been included for groundwater dependency have been informed by the new SEPA guidance on GWDTE, and are as follows:

- the use of available data on springs, including Ordnance Survey and water supply data sources, to identify springs within 100 m of the UKHab parcels. This indicator has been triple weighted during counting on the basis that it tends to be one of the clearest indicators of groundwater dependency;
- Habitat parcels which are intersected by linear geological features (BGS faults displayed on 1:50k linear feature data) are counted; or
- Upper edge of GWDTE aligns with concave breaks in slope are counted.

2.3.15. The emerging SEPA guidance also identifies waterlogging on steep well drained slopes as an indicator, however these conditions were not identified from the OS mapping in the locations of potential GWDTE habitats.

2b Indicators for Surface Water / Precipitation Dependency

2.3.16. A number of characteristics which are indicative of surface water dependency (as opposed to groundwater dependency, which help define 'true GWDTE') have been identified, as follows:

- Habitats within high areas of flood risks (SEPA high risk of fluvial and / or surface water flood risk mapped extent);
- Habitat within floodplain or close proximity (10 m) to a watercourse (open rivers dataset); or
- Majority of the habitat (>50%) is in area of Peat (Class 1 or 2 area shown on the Carbon and Peatland Map).

Results

2.3.17. The steps outlined above have been utilised to identify areas having greater potential for groundwater dependency. **Table 2.6** provides a summary of the GWDTE screening results for each of the potential GWDTE habitats. Annex A provides a detailed breakdown of each of indicators which have been counted and summarised for each potential GWDTE habitat in **Table 2.6** in accordance with the screening approach described above. **Figure 10.7.2 - Figure 10.7.6** also provide a visual illustration of the screening process which is broken down into consideration of Bedrock Geology (**Figure 10.7.2**), Superficial Geology (**Figure 10.7.3**), Groundwater Indicators (**Figure 10.7.4**), Surface Water Indicators (**Figure 10.7.5**) and the overall Summary of GWDTE Screening Results (**Figure 10.7.6**).

2.3.18. From the 671 UKHab parcels considered, 98 are assessed as having a final groundwater dependency score of three or more (i.e. moderate or greater potential groundwater dependency). NVC surveys have been undertaken

for the parcels which had moderate or greater groundwater dependency to further refine findings¹². A technical note with the detailed NVC results is provided in **Annex B** for reference. **Table 2.6** provides a summary of the NVC results including further indication of whether there is potential for GWDTE based on respective NVC types. The 98 parcels have been subject to screening to determine whether they have connectivity to the Proposed Development. Of these 98, 81 are considered to have a potential hydrological connection to the Proposed Development due to their proximity and topographical position relative to proposed infrastructure elements (e.g. where GWDTE is situated downgradient of infrastructure with no intervening hydrogeological barriers / obstructions), and these parcels have been screened in and taken forward for further assessment within **Chapter 10: Water and Geological Environment**.

¹² Note that where in some cases access prevented NVC surveys from being carried out these have been marked in the associated table column with an *. Note as part of a precautionary approach the habitat parcels for which there was no available access were considered to be potential GWDTE. The asterix (*) denote which land parcels could not be accessed and were therefore classified in this way.

Table 2.6: Summary of Potential GWDTE Screening Results

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
1	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
2	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
3	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
4	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
5	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
6	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
7	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
8	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
9	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
10	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
11	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
12	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
13	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
14	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
15	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
16	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
17	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
18	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
19	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
20	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
21	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
22	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
23	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
24	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
25	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
26	River terrace deposits, undifferentiated	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	0	0	0	4	4	Yes	W9	No	
27	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
28	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	1	0	1	3	3	Yes	OV25	No	
29	Till, devensian	Low	Ousdale arkose formation - breccia and conglomerate	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
30	Alluvium	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	1	2	-1	3	3	Yes	MG5 MG10 MG13 OV25 S28 W10e W22	No Yes No No Yes No No	Approximately 360 m and downgradient from a proposed section of temporary stone track and 280 m and downgradient from nearest proposed tower. However, it is situated on the opposite side of two streams and the River Beaully from the proposals therefore is unlikely to have a hydrological connection to the Proposed Development. Screened out.
31	River terrace deposits undifferentiated	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	1	1	0	4	4	Yes	MG5a	No	Approximately 10 m and downgradient from a proposed section of temporary stone track and 55 m and downgradient from nearest proposed tower. Screened in.
32	River terrace deposits undifferentiated	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	1	1	0	4	4	Yes	MG5a	No	Partly intersected by a proposed section of temporary stone track and approximately 60 m and downgradient of the nearest proposed tower. Screened in.

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33	River terrace deposits undifferentiated	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	1	0	1	5	5	Yes	MG1	No	Approximately 225 m and downgradient of a proposed tower and approximately 140 m and downgradient of a section of temporary stone track. Screened in.
													MG7	No	
													W25a	No	
34	Alluvium	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
35	Alluvium	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
36	Raised beach deposits	Moderate	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate	3	1	0	1	4	4	Yes	No NVC data available	Yes*	Approximately 370 m upgradient of nearest proposed tower. There is a small section of proposed temporary access track which partly intersects the potential GWDTE boundary. Screened in.
37	Raised beach deposits	Moderate	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate	3	1	1	0	3	3	Yes	No NVC data available	Yes*	Small section of temporary stone track is situated within potential GWDTE boundary, plus access track (poor condition) upgrade works adjacent. There is also an existing tower to be removed within the potential GWDTE boundary. Approximately 315 m and upgradient of nearest proposed tower. Screened in.
38	Raised beach deposits	Moderate	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate	3	0	0	0	3	3	Yes	No NVC data available	Yes*	Small section of proposed permanent stone track within boundary, plus upgrade to existing access track (poor condition) adjacent. Approximately 50 m and downgradient from an existing tower to be removed. Approximately 300 m and upgradient of nearest proposed tower. Screened in.
39	Alluvium	High	Ousdale arkose formation - breccia and conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
40	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	2	-2	1	1	No			
41	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	3	-3	0	1	No			

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42	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	3	-3	0	1	No			
43	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	2	-2	1	1	No			
44	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	2	-2	1	1	No			
45	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	2	-2	1	1	No			
46	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	2	-2	1	1	No			
47	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	2	-2	1	1	No			
48	Alluvium	High	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate - High	4	0	1	-1	3	3	Yes	M4 S28 / M4	Yes Yes	Approximately 150 m from nearest proposed tower and proposed temporary stone access track on a similar gradient. Also, approximately 95 m and on a similar gradient from an existing tower to be removed. Screened in.
49	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone,	Moderate	Moderate	3	0	2	-2	1	1	No			

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			sandstone and limestone												
50	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	1	-1	2	2	No			
51	Raised marine beach deposits of holocene age	Moderate	Braemore mudstone formation - mudstone, sandstone and limestone	Moderate	Moderate	3	0	1	-1	2	2	No			
52	Raised beach deposits	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	0	2	-2	1	1	No			
53	Raised beach deposits	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	0	2	-2	1	1	No			
54	Raised beach deposits	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	0	2	-2	1	1	No			
55	Raised beach deposits	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	0	2	-2	1	1	No			
56	Raised marine beach deposits of holocene age	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	3	2	1	4	4	Yes	W25	No	Nearest proposed tower and temporary stone access track on opposing side of watercourse to potential GWDTE boundary. Potential GWDTE also within 280 m of a second proposed tower and in the direction of predominant flow. Screened in.
57	Raised marine beach deposits of holocene age	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	3	2	1	4	4	Yes	W25	No	Nearest proposed tower and temporary stone access track on opposing side of watercourse to potential GWDTE boundary. Potential GWDTE also within 300 m of a second proposed tower and in the direction of predominant flow. Screened in.

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58	Raised marine beach deposits of holocene age	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	3	2	1	4	4	Yes	No NVC data available	Yes*	Proposed upgrade to existing access (poor condition) 9 m from boundary. Nearest proposed tower location approximately 380 m. There is also a tower to be removed adjacent to the potential GWDTE boundary. Screened in.
59	Raised marine beach deposits of holocene age	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	3	2	1	4	4	Yes	No NVC data available	Yes*	Proposed upgrade to existing access (poor condition) approximately 100 m from potential GWDTE boundary. Nearest proposed tower on opposing side of watercourse. Another proposed tower is situated approximately 340 m on a similar gradient. Screened in.
60	Raised marine beach deposits of holocene age	Moderate	Achnaconeran striped formation - psammite and semipelite	Low	Moderate	3	0	2	-2	1	1	No			
61	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	3	1	2	3	3	Yes	Private Garden	Yes*	Approximately 345 m slightly upgradient of nearest proposed tower and approximately 330 m downgradient of a section of proposed temporary stone access track, and on the opposing side of a watercourse to the tower and track. Screened out.
62	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	3	1	2	3	3	Yes	W23	No	Approximately 360 m upgradient of nearest proposed tower and approximately 300 m downgradient of a section of proposed temporary stone access track, and on the opposing side of a watercourse to the tower and track. Screened out.
63	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	3	1	2	3	3	Yes	MG9	Yes	Approximately and 275 m downgradient of a proposed tower. 90 m and downgradient of a section of proposed temporary stone access track. Screened in.
													MG10	Yes	
													W17	No	
													W23	No	
													Confierous Plantation	No	
64	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	0	0	1	1	No			
65	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	0	0	1	1	No			
66	Till, devensian	Low	Achnaconeran striped formation -	Low	Low	1	0	0	0	1	1	No			

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			psammite and semipelite												
67	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	2	-2	-1	1	No			
68	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	0	0	1	1	No			
69	Peat	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	1	2	-1	0	1	No			
70	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	0	0	1	1	No			
71	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	1	1	0	1	1	No			
72	Not displayed on 1:50k map	-	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	0	0	1	1	No			
73	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	1	-1	0	1	No			
74	Till, devensian	Low	Achnaconeran striped formation - psammite and semipelite	Low	Low	1	0	0	0	1	1	No			
75	Till, devensian	Low	Achnaconeran striped formation -	Low	Low	1	0	1	-1	0	1	No			

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			psammite and semipelite												
76	Till, devensian	Low	Kilmuir conglomerate formation - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
77	Not displayed on 1:50k map	-	Kilmuir conglomerate formation - sandstone	Moderate	Moderate	3	0	1	-1	2	2	No			
78	Not displayed on 1:50k map	-	Kilmuir conglomerate formation - sandstone	Moderate	Moderate	3	0	1	-1	2	2	No			
79	Till, devensian	Low	Kilmuir conglomerate formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
80	Not displayed on 1:50k map	-	Kilmuir conglomerate formation - sandstone	Moderate	Moderate	3	0	1	-1	2	2	No			
81	Till, devensian	Low	Kilmuir conglomerate formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
82	Glaciofluvial sheet deposits	High	Kilmuir conglomerate formation - sandstone	Moderate	Moderate - High	4	1	3	-2	2	2	No			
83	Glaciofluvial sheet deposits	High	Kilmuir conglomerate formation - sandstone	Moderate	Moderate - High	4	1	1	0	4	4	Yes	MG10	Yes	Approximately 80 m and upgradient of nearest proposed tower and temporary floated stone access track. Approximately 220 m downgradient of a proposed tower and a section of proposed temporary stone access track. Screened in.
84	Glaciofluvial sheet deposits	High	Kilmuir conglomerate formation - sandstone	Moderate	Moderate - High	4	1	1	0	4	4	Yes	MG10	Yes	Immediately adjacent and downgradient to proposed tower and a section of temporary floated stone access track. Screened in.
85	Glaciofluvial sheet deposits	High	Kilmuir conglomerate formation - sandstone	Moderate	Moderate - High	4	1	2	-1	3	3	Yes	W1	Yes	Approximately 165 m downgradient of a proposed tower and a section of temporary floated stone access track. Screened in.

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86	Glaciofluvial sheet deposits	High	Kilmuir conglomerate formation - sandstone	Moderate	Moderate - High	4	1	1	0	4	4	Yes	No NVC data available	Yes*	Approximately 255 m and upgradient of a proposed tower and section of temporary floated stone access track. Screened out.
87	Glaciofluvial sheet deposits	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	1	1	0	4	4	Yes	U20	No	Approximately 315 m and along a similar elevation to a proposed tower and immediately adjacent to an existing access track upgrade (poor condition). Screened in.
88	River terrace deposits undifferentiated	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	1	1	0	4	4	Yes	MG11 / U4	No	Approximately 185 m from nearest proposed tower and along a similar elevation. Also, approximately 225 m and downgradient of another proposed tower. Existing access track (very poor condition) upgrade works within the potential GWDTE boundary, which is also adjacent to a section of proposed temporary floating stone access track. Screened in.
89	Glaciofluvial sheet deposits	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	1	2	-1	3	3	Yes	MG10 / MG11	Yes	Proposed tower and proposed temporary floating stone access track within the potential GWDTE boundary. Also, there are proposed upgrades to existing access track (in very poor condition) along the potential GWDTE boundary. Screened in.
													OV23	No	
													MG11 / U4	Yes	
													U20	No	
													W23	No	
													Track	No	
90	Alluvium	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	1	1	0	4	4	Yes	Broadleaved plantation (BP)	No	Approximately 170 m and downgradient of nearest proposed tower and approximately 85 m and downgradient of proposed temporary floating stone access track. Screened in.
91	River terrace deposits undifferentiated	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	1	0	1	5	5	Yes	AGR	No	Approximately 140 m and downgradient of nearest proposed tower location and approximately 65 m and downgradient of proposed ATV access track. Screened in.
92	Alluvium	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	0	1	-1	3	3	Yes	MG10	Yes	Approximately 250 m and downgradient of nearest proposed tower location and approximately 230 m and downgradient of proposed temporary floating stone access track. Screened in.
93	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
94	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
95	Alluvium	High	Inshes flagstone	Moderate	Moderate - High	4	0	2	-2	2	2	No			

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			formation - sandstone												
96	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
97	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
98	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
99	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	3	-3	-1	1	No			
100	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	3	-3	-1	1	No			
101	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
102	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
103	Till, devensian	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
104	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
105	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
106	Hummocky (moundy) glacial deposits	Low	Inshes flagstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			

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			formation - sandstone												
107	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
108	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
109	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
110	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
111	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
112	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
113	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
114	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
115	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
116	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
117	Hummocky (moundy) glacial deposits	Low	Inshes flagstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			

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			formation - sandstone												
118	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
119	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
120	Hummocky (moundy) glacial deposits	Low	Inshes flagstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
121	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
122	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
123	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
124	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
125	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
126	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
127	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
128	Hummocky (moundy) glacial deposits	Low	Inverness sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			group - sandstone												
129	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
130	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
131	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
132	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
133	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
134	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
135	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
136	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
137	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
138	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
139	Hummocky (moundy) glacial deposits	Low	Inverness sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			

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			group - sandstone												
140	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
141	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
142	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
143	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
144	Hummocky (moundy) glacial deposits	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
145	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
146	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
147	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
148	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
149	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
150	Till, devensian	Low	Inverness sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			

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			group - sandstone												
151	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
152	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
153	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
154	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
155	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
156	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
157	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
158	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
159	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
160	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
161	Till, devensian	Low	Inverness sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			

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			group - sandstone												
162	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
163	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
164	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	1	1	0	2	2	No			
165	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
166	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
167	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
168	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
169	Till, devensian	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
170	Peat	Low	Inverness sandstone group - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
171	Glaciofluvial sheet deposits	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	0	1	-1	3	3	Yes	MG5 M6c Carex echinata-Sphagnum recurvum/a uriculatum	No Yes	Approximately 300 m downgradient of nearest proposed tower. Existing access track (poor condition) upgrade works along potential GWDTE boundary. Screened in.

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													mire, Juncus effusus sub- community		
													M25b Molinia caerulea- Potentilla erecta mire, Anthoxanth um odoratum sub- community	No	
													U20a Pteridium aquilinum- Galium saxatile community, Anthoxanth um odoratum sub- community	No	
172	Glaciofluvial ice contact deposits	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	0	0	0	4	4	Yes	MG5	No	Proposed tower location, and sections of permanent access track and temporary access track within potential GWDTE boundary. Also existing access track (poor condition) upgrades are proposed adjacent to potential GWDTE boundary. Screened in.
173	Glaciofluvial sheet deposits	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	0	1	-1	3	3	Yes	H10 Calluna vulgaris- Erica cinerea heath	No	Approximately 155 m and downgradient of nearest proposed tower. Existing access track (poor condition) upgrades within potential GWDTE boundary. Screened in.
													M15 Scirpus cespitosus- Erica tetralix wet heath	Yes	
													M25b	No	
													W23a Ulex europaeus- Rubus fruticosus scrub, Anthoxanth um	No	

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
													odoratum sub-community		
174	Glaciofluvial sheet deposits	High	Inverness sandstone group - sandstone	Moderate	Moderate - High	4	1	0	1	5	5	Yes	M25b U20a W23a	No No No	Approximately 255 m and downgradient of nearest proposed tower and adjacent to existing access track (poor condition) upgrades. Screened in.
175	Alluvium	High	Dava subgroup - psammite, gneissose	Low	Moderate	3	1	2	-1	2	2	No			
176	Till, devensian	Low	Dava subgroup - psammite, gneissose	Low	Low	1	13	2	11	12	5	Yes	No NVC data available	Yes*	Proposed tower and temporary stone access track within potential GWDTE boundary. Screened in.
177	Till, devensian	Low	Scottish highland siluro-devonian calc-alkaline minor intrusion suite (other than dykes) - diorite, appinitic	Low	Low	1	1	1	0	1	1	No			
178	Till, devensian	Low	Dava subgroup - psammite, gneissose	Low	Low	1	0	1	-1	0	1	No			
179	Till, devensian	Low	Dava subgroup - psammite, gneissose	Low	Low	1	6	2	4	5	5	Yes	No NVC data available	Yes*	Approximately 75 m upgradient of nearest proposed tower. Sections of proposed temporary stone access track are partly located upgradient and within the potential GWDTE boundary. Screened in.
180	Till, devensian	Low	Dava subgroup - psammite, gneissose	Low	Low	1	0	1	-1	0	1	No			
181	Till, devensian	Low	Nairnside sandstone formation - sandstone	Moderate	Low - Moderate	2	1	1	0	2	2	No			
182	Peat	Low	Nairnside sandstone formation - sandstone	Moderate	Low - Moderate	2	4	1	3	5	5	Yes	No NVC data available	Yes*	Approximately 140 m and downgradient of nearest proposed tower and a section of proposed permanent access track. Screened in.
183	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
184	Till, devensian	Low	Nairnside sandstone formation - sandstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
185	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
186	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	3	2	1	3	3	Yes	No NVC data available	Yes*	Proposed tower location within potential GWDTE boundary and a section of proposed permanent access track intersects the potential GWDTE boundary. Screened in.
187	Till, devensian	Low	Nairnside sandstone formation - sandstone	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
188	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
189	None displayed on 1:50k map	-	Daviot conglomerate formation - conglomerate	Moderate	Moderate	3	0	0	0	3	3	Yes	No NVC data available	Yes*	Approximately 300 m and upgradient of a proposed tower and associated section of proposed permanent access track. Screened out.
190	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
191	Till, devensian	Low	Nairnside sandstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
192	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
193	Till, devensian	Low	Nairnside sandstone formation - sandstone	Moderate	Low - Moderate	2	0	0	0	2	2	No			
194	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	0	1	3	3	Yes	No NVC data available	Yes*	Edge of proposed tower working area intersects the potential GWDTE boundary. Sections of proposed permanent and temporary access track lie adjacent to potential GWDTE boundary. Existing access track (good/fair

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															condition) intersects part of potential GWDTE boundary. Screened in.
195	Till, devensian	Low	Dava subgroup - psammite, gneissose	Low	Low	1	0	0	0	1	1	No			
196	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	0	1	3	3	Yes	No NVC data available	Yes*	Edge of proposed tower working area within potential GWDTE boundary. Existing access track upgrade (good / fair condition) is situated approximately 20 m downgradient and parallel to the potential GWDTE boundary. Screened in.
197	Till, devensian	Low	Dava subgroup - psammite, gneissose	Low	Low	1	0	0	0	1	1	No			
198	Till, devensian	Low	Daviot conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
199	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	1	1	0	1	1	No			
200	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	1	1	0	1	1	No			
201	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
202	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
203	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	1	1	0	1	1	No			
204	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	1	2	-1	0	1	No			
205	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
206	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	0	0	1	1	No			
207	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	0	0	1	1	No			

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208	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
209	Not displayed on 1:50k map	-	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
210	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	1	0	1	2	2	No			
211	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	1	0	1	2	2	No			
212	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	0	0	1	1	No			
213	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	0	0	1	1	No			
214	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	0	0	1	1	No			
215	Hummocky (moundy) glacial deposits	Low	Saddle hill granite - granite	Low	Low	1	2	0	2	3	3	Yes	No NVC data available	Yes*	Proposed tower location within potential GWDTE boundary and a section of proposed permanent access track is situated parallel to, adjacent and upgradient of the potential GWDTE boundary. A shorter section of the proposed permanent stone access track intersects part of the potential GWDTE boundary. Screened in.
216	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	2	1	1	2	2	No			
217	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
218	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
219	Not displayed on 1:50k map	-	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
220	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	1	1	0	1	1	No			

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221	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
222	Not displayed on 1:50k map	-	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
223	Till, devensian	Low	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
224	Not displayed on 1:50k map	-	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
225	Not displayed on 1:50k map	-	Saddle hill granite - granite	Low	Low	1	0	1	-1	0	1	No			
226	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	2	-1	0	1	No			
227	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
228	Glaciofluvial sheet deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
229	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	0	0	3	3	Yes	No NVC data available	Yes*	Approximately 190 m and downgradient of proposed tower and immediately adjacent to and downgradient of a short section of proposed permanent stone access track. Screened in.
230	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	2	-2	-1	1	No			
231	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			

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232	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
233	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
234	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	3	-3	0	1	No			
235	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	3	-3	-2	1	No			
236	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
237	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	3	-3	-2	1	No			
238	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	3	-3	0	1	No			
239	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
240	Beinn an uain till formation	Low	Scottish highland siluro-devonian calc-alkaline minor intrusion suite (other than	Low	Low	1	0	3	-3	-2	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			dykes) - pegmatite												
241	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	2	-2	-1	1	No			
242	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
243	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
244	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
245	Glaciofluvial sub-glacial deposits	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	0	0	3	3	Yes	No NVC data available	Yes*	Approximately 345 m and upgradient of nearest proposed tower and an associated section of permanent floating stone access track. Screened out.
246	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
247	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
248	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	0	0	1	1	No			
249	Glaciofluvial sub-glacial deposits	High	Dava subgroup - migmatitic pelite and	Low	Moderate	3	0	1	-1	2	2	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			migmatitic semipelite												
250	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	0	0	1	1	No			
251	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
252	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
253	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	2	-2	-1	1	No			
254	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
255	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
256	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
257	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
258	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and	Low	Low	1	0	1	-1	0	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			migmatitic semipelite												
259	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
260	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
261	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
262	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
263	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
264	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	2	-1	0	1	No			
265	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
266	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	4	1	3	4	4	Yes	M15	Yes	Proposed tower location is within potential GWDTE boundary. A section of proposed permanent access track also crosses and intersects the potential GWDTE boundary. Screened in.
267	Not displayed on 1:50k map	-	Dava subgroup - migmatitic pelite and	Low	Low	1	0	0	0	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			migmatitic semipelite												
268	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
269	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
270	Not displayed on 1:50k map	-	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
271	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	2	-1	0	1	No			
272	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
273	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
274	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			
275	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
276	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and	Low	Low	1	1	0	1	2	2	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			migmatitic semipelite												
277	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
278	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
279	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
280	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
281	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
282	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
283	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	2	-1	0	1	No			
284	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			
285	Alluvium	High	Dava subgroup - migmatitic pelite and	Low	Moderate	3	1	2	-1	2	2	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			migmatitic semipelite												
286	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	2	-1	0	1	No			
287	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			
288	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			
289	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			
290	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	3	-3	0	1	No			
291	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
292	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	1	0	3	3	Yes	W23	No	Approximately 110 m and downgradient of nearest proposed tower and approximately 65 m and downgradient of proposed permanent stone access track. Existing access track to be upgraded (poor condition) is situated immediately adjacent to the potential GWDTE boundary. Screened in.
293	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	3	-2	-1	1	No			
294	Alluvium	High	Dava subgroup - migmatitic pelite and	Low	Moderate	3	0	2	-2	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			migmatitic semipelite												
295	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	2	-1	0	1	No			
296	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	1	0	3	3	Yes	MG10 / OV25	Yes	Approximately 340 m and generally downgradient of nearest proposed tower and 310 m and downgradient of proposed permanent stone access track. The potential GWDTE is however on opposite side of a surface watercourse from the proposed infrastructure. Screened out.
297	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
298	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
299	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	2	1	1	2	2	No			
300	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
301	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
302	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
303	Peat	Low	Dava subgroup - migmatitic pelite and	Low	Low	1	0	1	-1	0	1	No			

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			migmatitic semipelite												
304	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	2	1	1	2	2	No			
305	Beinn an uain till formation	Low	Dava subgroup - semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
306	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
307	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
308	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	0	1	2	2	No			
309	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
310	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	2	-2	-1	1	No			
311	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
312	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	2	-1	0	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
313	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
314	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	1	1	0	1	1	No			
315	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
316	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
317	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
318	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	0	0	1	1	No			
319	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
320	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	2	-2	-1	1	No			
321	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
322	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
323	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
324	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
325	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
326	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	0	0	3	3	Yes	W18	No	Approximately 270 m downgradient of nearest proposed tower. Also approximately 100 m, parallel to and downgradient to an existing access track which is to be upgraded (good / fair condition). Screened in.
327	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
328	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
329	Glaciofluvial sheet deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	0	0	3	3	Yes	W18	No	Approximately 295 m and upgradient of nearest proposed tower and an associated section of temporary proposed stone access track. Screened out.
330	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
331	Glaciofluvial sheet deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
332	Glaciofluvial sheet deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
333	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
334	Glaciofluvial sheet deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
335	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
336	River terrace deposits undifferentiated	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
337	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	2	-2	1	1	No			
338	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
339	Glaciofluvial sheet deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
340	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			
341	Glaciofluvial ice contact deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	0	1	-1	2	2	No			
342	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	0	2	-2	-1	1	No			
343	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	0	0	0	1	1	No			
344	Glaciofluvial ice contact deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	2	-2	1	1	No			
345	Glaciofluvial sheet deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	1	-1	2	2	No			
346	Glaciofluvial ice contact deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	1	-1	2	2	No			
347	Glaciofluvial sheet deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	1	-1	2	2	No			
348	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	2	-2	1	1	No			
349	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	0	0	3	3	Yes	W18	No	Approximately 195 m and upgradient of nearest proposed tower. An existing access track to be upgraded (very poor condition) intersects part of the potential GWDTE boundary. Screened in.
350	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	2	-2	1	1	No			
351	Glaciofluvial terrace	High	Ardclach granite pluton - granite	Low	Moderate	3	0	1	-1	2	2	No			

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	deposits, devensian														
352	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	2	-2	1	1	No			
353	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	2	-2	1	1	No			
354	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	2	-2	1	1	No			
355	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	0	0	3	3	Yes	H12 U20	No No	Approximately 190 m and slightly upgradient of nearest proposed tower. Approximately 90 m and downgradient of an existing access track to be upgraded (good / fair condition). Screened in.
356	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	1	-1	2	2	No			
357	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	1	-1	2	2	No			
358	Glaciofluvial sheet deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	1	-1	2	2	No			
359	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	0	0	3	3	Yes	No NVC data available	Yes*	Approximately 410 m downgradient of nearest proposed tower. Approximately 265 m downgradient of an existing access track to be upgraded (good / fair condition) and a section of proposed temporary access track. Situated on the other side of the prevailing slope of the hill upon which this proposed infrastructure is situated. Screened out.
360	Glaciofluvial sheet deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	2	-2	1	1	No			
361	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	3	-3	0	1	No			

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362	Glaciofluvial terrace deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	0	3	-3	0	1	No			
363	Glaciofluvial sheet deposits, devensian	High	Ardclach granite pluton - granite	Low	Moderate	3	1	0	1	4	4	Yes	W4	Yes	Approximately 180 m and downgradient of nearest proposed tower and Approximately 70 m and downgradient from proposed temporary stone access track. Screened in.
													W17	No	
364	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	1	1	0	1	1	No			
365	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	1	1	0	1	1	No			
366	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	0	1	-1	0	1	No			
367	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	0	1	-1	0	1	No			
368	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	0	1	-1	0	1	No			
369	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	0	1	-1	0	1	No			
370	Beinn an uain till formation	Low	Ardclach granite pluton - granite	Low	Low	1	0	1	-1	0	1	No			
371	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	0	0	1	1	No			
372	Beinn an uain till formation	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	0	0	1	1	No			
373	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	0	0	1	1	No			

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374	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	1	-1	0	1	No			
375	Peat	Low	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Low	1	0	0	0	1	1	No			
376	Glaciofluvial sheet deposits, devensian	High	Daltulich psammite formation - psammite and quartzite	Low	Moderate	3	0	0	0	3	3	Yes	U4	No	Approximately 330 m and downgradient of nearest proposed tower and approximately 330 m and downgradient from a section of proposed temporary stone access track. The potential GWDTE is however situated on the opposite side of a surface watercourse from the proposed infrastructure. Screened out
377	Glaciofluvial sheet deposits, devensian	High	Daltulich psammite formation - psammite and quartzite	Low	Moderate	3	0	1	-1	2	2	No			
378	Alluvium	High	Daltulich psammite formation - psammite and quartzite	Low	Moderate	3	1	1	0	3	3	Yes	No NVC data available	Yes*	Approximately 315 m downgradient of nearest proposed tower and Approximately 330m to proposed temporary stone access track. Screened out.
379	Glaciofluvial sheet deposits, devensian	High	Daltulich psammite formation - psammite and quartzite	Low	Moderate	3	1	0	1	4	4	Yes	No NVC data available	Yes*	Approximately 125 m and slightly upgradient of nearest proposed tower and proposed stone access track. An existing (poor condition) access track runs adjacent to the GWDTE boundary. Screened in.
380	Glaciofluvial sheet deposits, devensian	High	Daltulich psammite formation - psammite and quartzite	Low	Moderate	3	0	0	0	3	3	Yes	No NVC data available	Yes*	Infrastructure for nearest proposed tower within GWDTE boundary. Approximately 35 m, and at a similar elevation to nearest proposed tower and a proposed stone access track. An existing (poor condition) access track runs along GWDTE boundary. Screened in.
381	Glaciofluvial sheet deposits, devensian	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	1	2	-1	2	2	No			
382	Alluvium	High	Dava subgroup - migmatitic pelite and migmatitic semipelite	Low	Moderate	3	2	2	0	3	3	Yes	No NVC data available	Yes*	Approximately 255 m and downgradient from the nearest proposed tower and an associated section of proposed temporary stone access track. Approximately 95 m and downgradient of an existing access track to be upgraded (poor condition) access track. Screened in.

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383	Alluvium	High	Daltulich psammite formation - psammite and quartzite	Low	Moderate	3	0	1	-1	2	2	No			
384	Beinn an uain till formation	Low	Daltulich psammite formation - psammite and quartzite	Low	Low	1	0	1	-1	0	1	No			
385	Beinn an uain till formation	Low	Relugas psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
386	Peat	Low	Dunphail semipelite formation - semipelite and quartzite	Low	Low	1	1	1	0	1	1	No			
387	Lacustrine deposits	Low	Relugas psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
388	Beinn an uain till formation	Low	Daltulich psammite formation - psammite and quartzite	Low	Low	1	4	0	4	5	5	Yes	M2 Sphagnum cuspidatum /recurvum bog pool community	No	Part of the working area of a proposed tower is situated within the potential GWDTE boundary. A section of proposed permanent access track intersects part of the potential GWDTE boundary, and a section of proposed temporary stone access track lies immediately adjacent to it. Screened in.
													M15	Yes	
													M19	No	
389	Beinn an uain till formation	Low	Daltulich psammite formation - psammite and quartzite	Low	Low	1	0	0	0	1	1	No			
390	Peat	Low	Daltulich psammite formation - psammite and quartzite	Low	Low	1	2	0	2	3	3	Yes	H10	No	The edge of a proposed tower working area is within potential GWDTE boundary. A section of proposed permanent access track intersects part of the potential GWDTE boundary. Existing access track to be upgraded (poor condition) also lies directly adjacent to the potential GWDTE boundary. Screened in.
													M2	No	
													M6c	Yes	
													M15	Yes	
													M19	No	

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													M19a Calluna vulgaris- Eriophorum vaginatum blanket mire, Erica tetralix sub-community	No	
													W18d Pinus sylvestris- Hylocomium splendens woodland, Sphagnum capillifolium /quinquefarium-Erica tetralix sub-community	No	
391	Beinn an uain till formation	Low	Glen banchor subgroup - semipelite and psammite	Low	Low	1	2	1	1	2	2	No			
392	Glaciofluvial sheet deposits, devensian	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	0	0	3	3	Yes	MG10	Yes	Approximately 620 m downgradient of nearest proposed tower. Existing access track to be upgraded (poor condition) intersects part of the potential GWDTE boundary. Screened in.
													U20	No	
393	Beinn an uain till formation	Low	Glen banchor subgroup - semipelite and psammite	Low	Low	1	0	2	-2	-1	1	No			
394	Beinn an uain till formation	Low	Glen banchor subgroup - semipelite and psammite	Low	Low	1	0	2	-2	-1	1	No			
395	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
396	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			

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397	Glaciolacustrine deposits, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	3	-3	-2	1	No			
398	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
399	Glaciolacustrine deposits, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
400	Glaciolacustrine deposits, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
401	Glaciolacustrine deposits, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
402	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
403	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
404	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
405	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	3	1	2	3	3	Yes	MG10	Yes	Approximately 315 m and upgradient of the nearest proposed tower. An existing access track to be upgraded (good / fair condition) runs along the edge of the potential GWDTE boundary. Screened in.
													W23a	No	
406	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
407	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			

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408	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	3	0	3	4	4	Yes	MG10	Yes	Approximately 315 m and upgradient of the nearest proposed tower. An existing to be upgraded (good / fair condition) is situated directly adjacent with the potential GWDTE boundary. Screened in.
													W23a	No	
409	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	3	2	1	4	4	Yes	MG6	No	A proposed tower is situated within the potential GWDTE boundary. An existing access track to be upgraded (good / fair condition) and a proposed temporary stone access track intersect the potential GWDTE boundary. Screened in.
													W11	No	
													W9	No	
410	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	2	2	3	3	Yes	MG10	Yes	Approximately 215 m and slightly upgradient of the nearest proposed tower. An existing to be upgraded (good / fair condition) intersects a small part of the potential GWDTE boundary. Screened in.
													W23a	No	
													Hardstanding	No	
411	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	2	-2	1	1	No			
412	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	4	2	2	5	5	Yes	MG10	Yes	Approximately 200 m and slightly upgradient of a proposed tower. An existing access track to be upgraded (good / fair condition) is situated immediately adjacent to the potential GWDTE boundary. Screened in.
													Hardstanding	No	
413	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
414	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	2	2	3	3	Yes	M25	No	Approximately 50 m, and at a similar elevation, to a proposed tower. Screened in.
													MG6	No	
													MG10	Yes	
													W23a	No	
415	Glaciofluvial terrace deposits, devensian	High	Nethybridge psammite formation - psammite	Low	Moderate	3	3	2	1	4	4	Yes	MG6	No	A proposed tower is situated within the potential GWDTE boundary. An existing access track to be upgraded (good / fair condition) and a proposed temporary stone access track partly intersect the potential GWDTE boundary. Screened in.
													MG10	Yes	
416	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	3	-3	0	1	No			
417	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	2	-2	1	1	No			

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418	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	3	1	2	3	3	Yes	M25	No	Approximately 205 m, and at a similar elevation, to a proposed tower. Approximately 15 m, and at a similar elevation, to the nearest existing access track to be upgraded (good / fair condition). Screened in.
													MG10	Yes	
419	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
420	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	2	-2	1	1	No			
421	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	2	2	3	3	Yes	M19	No	A proposed tower is situated within part of the potential GWDTE boundary. An existing access track to be upgraded (good / fair condition) runs along the edge of the potential GWDTE boundary and a proposed temporary stone access track partly intersects it. Screened in.
													MG10	Yes	
													MG6	No	
													U4 / M8	Yes	
													W23a	No	
422	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	0	4	5	5	Yes	CP	No	Approximately 115 m, and at a similar elevation, to a proposed tower. Approximately 5 m, and at a similar elevation, to a section of existing access track to be upgraded (good / fair condition). Screened in.
423	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	0	4	5	5	Yes	CP	No	Approximately 115 m, and at a similar elevation, to a proposed tower. Approximately 15 m, and at a similar elevation, to a section of existing access track to be upgraded (good / fair condition). Screened in.
424	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	0	4	5	5	Yes	CP	No	Approximately 115 m, similar elevation, to a proposed tower. Approximately 5 m, and at a similar elevation, to a section of existing access track to be upgraded (good / fair condition). Screened in.
425	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	1	3	4	4	Yes	M19	No	Approximately 85 m, and at a similar elevation, to the nearest proposed tower and section of proposed temporary stone access track. Approximately 5 m, and at a similar elevation, to the nearest section of existing access track to be upgraded (good / fair condition). Screened in.
													MG10	Yes	
426	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
427	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			

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428	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	2	2	3	3	Yes	M19	No	A proposed tower is situated within the potential GWDTE boundary. An existing access track to be upgraded (good / fair condition) is situated adjacent to the potential GWDTE boundary. A proposed temporary stone access track also intersects the potential GWDTE boundary. Screened in.
													MG10	Yes	
429	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
430	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
431	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
432	Head	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
433	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
434	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
435	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
436	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	2	-1	0	1	No			
437	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
438	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	2	-2	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
439	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	2	-1	0	1	No			
440	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
441	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
442	Alluvium	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	2	-2	1	1	No			
443	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
444	Beinn an uain till formation	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
445	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	2	-1	0	1	No			
446	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
447	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
448	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
449	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	3	1	2	3	3	Yes	M15 M15a <i>Scirpus cespitosus</i> - <i>Erica tetralix</i>	Yes Yes	Three proposed towers and a section of proposed permanent stone access track intersect part of the potential GWDTE boundary. Screened in.

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
													wet heath, <i>Carex panicea</i> sub-community		
													M19	No	
													M23	Yes	
													MG10	Yes	
													Track	No	
450	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
451	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	3	-3	-2	1	No			
452	Hummocky (moundy) glacial deposits	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
453	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
454	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
455	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
456	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
457	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
458	Till, devensian	Low	Nethybridge psammite	Low	Low	1	0	2	-2	-1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			formation - psammite												
459	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
460	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
461	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
462	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
463	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
464	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	3	1	2	3	3	Yes	M19	No	Two proposed towers and a section of proposed permanent stone access track intersect part of the potential GWDTE boundary. The potential GWDTE boundary also is situated adjacent to and downgradient of a third proposed tower location. Screened in.
465	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	3	-3	-2	1	No			
466	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
467	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
468	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
469	Till, devensian	Low	Nethybridge psammite	Low	Low	1	1	1	0	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			formation - psammite												
470	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	2	-1	0	1	No			
471	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
472	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
473	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
474	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
475	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
476	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	1	3	4	4	Yes	MG6 MG9	No Yes	Approximately 160 m and downgradient of nearest proposed tower, a section of proposed permanent stone access track and two proposed permanent culverts. Screened in.
477	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
478	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	4	1	3	4	4	Yes	MG9 CP	Yes No	Two proposed towers, adjoining permanent stone access track and two new permanent culverts are situated within the potential GWDTE boundary. Screened in.
479	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
480	Till, devensian	Low	Nethybridge psammite	Low	Low	1	1	1	0	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			formation - psammite												
481	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
482	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
483	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
484	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
485	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
486	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
487	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
488	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
489	Peat	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
490	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
491	Till, devensian	Low	Nethybridge psammite	Low	Low	1	1	1	0	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			formation - psammite												
492	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	2	-2	-1	1	No			
493	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
494	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
495	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
496	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
497	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
498	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
499	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
500	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
501	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
502	Till, devensian	Low	Nethybridge psammite	Low	Low	1	1	3	-2	-1	1	No			

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			formation - psammite												
503	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
504	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
505	Alluvium and river terrace deposits undifferentiated	High	Nethybridge psammite formation - psammite	Low	Moderate	3	1	2	-1	2	2	No			
506	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
507	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	0	1	2	2	No			
508	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	3	-3	-2	1	No			
509	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	3	-3	-2	1	No			
510	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	3	-3	-2	1	No			
511	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	3	-3	-2	1	No			
512	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	2	-1	0	1	No			
513	Till, devensian	Low	Nethybridge psammite	Low	Low	1	0	0	0	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			formation - psammite												
514	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
515	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	2	-1	0	1	No			
516	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
517	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	7	1	6	7	5	Yes	H10 / M17 Scirpus cespitosus-Eriophorum vaginatum blanket mire / CP	No	Two proposed towers and an associated section of proposed permanent access track are situated within the potential GWDTE boundary. Screened in.
													M19 / CP	No	
													Track	No	
518	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
519	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	3	1	2	3	3	Yes	No NVC data available	Yes*	A proposed tower and an associated section of proposed permanent stone access tracks is situated within the potential GWDTE boundary. Screened in.
520	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			
521	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
522	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	1	-1	0	1	No			

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523	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
524	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	0	0	0	1	1	No			
525	Alluvium and river terrace deposits undifferentiated	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	2	-2	1	1	No			
526	Alluvium and river terrace deposits undifferentiated	High	Nethybridge psammite formation - psammite	Low	Moderate	3	0	2	-2	1	1	No			
527	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	3	-2	-1	1	No			
528	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	2	-1	0	1	No			
529	Till, devensian	Low	Nethybridge psammite formation - psammite	Low	Low	1	1	1	0	1	1	No			
530	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	1	2	-1	3	3	Yes	MG9 / W23	Yes	Approximately 230 m and at a similar elevation to the nearest proposed tower. Approximately 145 m and at a similar elevation to a section of proposed temporary stone access track and proposed new temporary bridge. Screened in.
531	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			
532	Peat	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
533	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
534	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	1	0	2	2	No			
535	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
536	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
537	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
538	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	4	1	3	5	5	Yes	MG6	No	A proposed tower and a section of temporary access track is situated within the potential GWDTE boundary. Existing access track upgrade works (poor condition) are also situated adjacent to the potential GWDTE boundary. Screened in.
													W23	No	
539	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
540	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	1	0	2	2	No			
541	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
542	Till, devensian	Low	Spey conglomerate formation - conglomerate	Moderate	Low - Moderate	2	3	2	1	3	3	Yes	W18	No	Approximately 20 m and upgradient of nearest proposed tower. Part of the potential GWDTE overlaps with the edge of the proposed tower working area. There is also a section of proposed temporary access track situated within potential GWDTE boundary. Screened in.
543	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
544	Till, devensian	Low	Spey conglomerate	Moderate	Low - Moderate	2	0	0	0	2	2	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			formation - conglomerate												
545	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
546	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	1	-1	3	3	Yes	AGR	No	Approximately 100 m downgradient of proposed Tower-Existing OHL Works (275 KV Realignment and Crossing) and approximately 150 m upgradient of the nearest proposed tower location. The potential GWDTE boundary is situated adjacent to proposed access track upgrade works (both very poor condition and good / fair existing condition). Screened in.
547	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
548	Glaciofluvial ice contact deposits	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
549	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
550	Glaciofluvial sheet deposits	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	0	0	4	4	Yes	MG1	No	Approximately 250 m to the northeast on undulating topography from the nearest proposed tower location. The predominant lie in the land from the proposed tower location is towards the east / southeast towards the Red Burn watercourse. Screened Out.
551	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
552	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
553	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
554	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	1	-1	3	3	Yes	No NVC data available	Yes*	Approximately 370 m and at a similar elevation to the nearest proposed tower location and on the opposite side of watercourse. Screened out.

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555	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
556	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	1	2	-1	3	3	Yes	S28	No	Approximately 450 m from the nearest proposed tower location on the opposite side of a surface watercourse. Screened out.
													W6	Yes	
557	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	3	-3	1	1	No			
558	Alluvium and river terrace deposits undifferentiated	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	1	3	-2	2	2	No			
559	Glaciofluvial ice contact deposits	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	0	0	4	4	Yes	H12	No	Approximately 140 m and upgradient of nearest proposed tower location. Approximately 160 m and at a similar elevation to the proposed permanent stone access track. Screened in.
560	Glaciofluvial ice contact deposits	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	0	0	4	4	Yes	H12	No	Approximately 180 m and downgradient of the nearest proposed tower location and a section of proposed permanent stone access track. Screened in.
561	Glaciofluvial ice contact deposits	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	0	0	4	4	Yes	H12	No	Approximately 250 m at a similar elevation to the nearest proposed tower location and section of proposed permanent stone access track. It is however situated on the opposite side of the curve of a hillslope and existing forestry tracks. Screened out.
562	Glaciofluvial ice contact deposits	High	Spey conglomerate formation - conglomerate	Moderate	Moderate - High	4	0	2	-2	2	2	No			
563	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	1	-1	0	1	No			
564	Till, devensian	Low	Cairnfield calcareous flag formation -	Low	Low	1	1	2	-1	0	1	No			

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			calcareous psammite and calcareous semipelite												
565	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	1	0	1	2	2	No			
566	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	0	0	1	1	No			
567	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	1	-1	0	1	No			
568	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	2	-2	-1	1	No			
569	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	3	1	2	3	3	Yes	MG7	No	Proposed tower location is situated within potential GWDTE boundary. A section of proposed temporary stone access track and a new temporary culvert is situated on edge of and adjacent to the potential GWDTE boundary. Screened in.
													MG10	Yes	
570	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and	Low	Low	1	0	1	-1	0	1	No			

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			calcareous semipelite												
571	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	1	-1	0	1	No			
572	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	1	-1	0	1	No			
573	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	1	-1	0	1	No			
574	Till, devensian	Low	Cairnfield calcareous flag formation - calcareous psammite and calcareous semipelite	Low	Low	1	0	1	-1	0	1	No			
575	Till, devensian	Low	Findlater flag formation - psammite and semipelite	Low	Low	1	6	2	4	5	5	Yes	M23b Juncus effusus/acu- tiflorus- Galium palustre rush- pasture, Juncus effusus sub- community	Yes	Proposed tower location and a section of proposed temporary stone access track is situated within potential GWDTE boundary. Screened in.
													MG10	Yes	
													OV25	No	
576	Till, devensian	Low	Findlater flag formation -	Low	Low	1	3	1	2	3	3	Yes	M23	Yes	Proposed bellmouth and existing access track upgrades are situated approximately 6 m from potential GWDTE boundary (very poor condition). Approximately 210 m and

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			psammite and semipelite												downgradient of nearest proposed tower location. Screened in.
577	Till, devensian	Low	Findlater flag formation - psammite and semipelite	Low	Low	1	7	1	6	7	5	Yes	MG6	No	Approximately 240 m and downgradient of nearest proposed tower location. Screened in.
													W9	No	
578	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	1	3	-2	0	1	No			
579	Till, devensian	Low	Findlater flag formation - psammite and semipelite	Low	Low	1	4	3	1	2	2	No			
580	Till, devensian	Low	Findlater flag formation - psammite and semipelite	Low	Low	1	1	1	0	1	1	No			
581	Alluvium	High	Keith limestone formation - semipelite	Low - Moderate	Moderate - High	4	2	2	0	4	4	Yes	MG1	No	Approximately 215 m and downgradient of nearest proposed tower location, and approximately 100 m and downgradient from proposed temporary stone access track and ATV track. Screened in.
													AGR	No	
582	Till, devensian	Low	Tarnash phyllite and limestone formation - semipelite, micaceous psammite, metalimestone and calcsilicate-rock	Low	Low	1	1	1	0	1	1	No			
583	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
584	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	1	0	1	3	3	Yes	Track/ditch	No	Approximately 140 m and downgradient of nearest proposed tower location. Six proposed towers within 280 m of potential GWDTE boundary as part of the diversion of the existing 400 kV OHL. Proposed temporary stone access track and existing access track upgrades (good / fair condition) are situated immediately adjacent to potential GWDTE boundary. Screened in.

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585	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	0	1	-1	1	1	No			
586	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	0	0	0	2	2	No			
587	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
588	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
589	Till, devensian	Low	Corryhabbie quartzite formation - quartzite	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
590	Till, devensian	Low	Ailnack phyllite and limestone formation - semipelite and psammite	Low	Low	1	1	1	0	1	1	No			
591	Till, devensian	Low	Ailnack phyllite and limestone formation - semipelite and psammite	Low	Low	1	1	1	0	1	1	No			
592	Till, devensian	Low	Beldorney pelite formation - pelite and semipelite	Low	Low	1	0	0	0	1	1	No			
593	Alluvium	High	Beldorney pelite formation - pelite and semipelite	Low	Moderate	3	1	2	-1	2	2	No			
594	Till, devensian	Low	Huntly-knock pluton - gabbro, xenolithic	Low	Low	1	0	0	0	1	1	No			
595	Till, devensian	Low	Huntly-knock pluton -	Low	Low	1	0	0	0	1	1	No			

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			olivine-gabbro and orthopyroxene-gabbro												
596	Till, devensian	Low	Huntly-knock pluton - orthopyroxene-gabbro and clinopyroxene-norite	Low	Low	1	0	0	0	1	1	No			
597	Glaciofluvial ice contact deposits	High	Huntly-knock pluton - gabbroic-rock and metasedimentary rock	Low	Moderate	3	0	2	-2	1	1	No			
598	Alluvium	High	Whitehills grit formation - psammite and pelite	Low	Moderate	3	0	1	-1	2	2	No			
599	Alluvium	High	Whitehills grit formation - psammite and pelite	Low	Moderate	3	1	2	-1	2	2	No			
600	Till, devensian	Low	Whitehills grit formation - psammite and pelite	Low	Low	1	1	1	0	1	1	No			
601	Till, devensian	Low	Whitehills grit formation - psammite and pelite	Low	Low	1	1	2	-1	0	1	No			
602	Alluvium	High	Whitehills grit formation - psammite and pelite	Low	Moderate	3	2	2	0	3	3	Yes	S28 BP CP	No No No	Approximately 450 m and downgradient of nearest proposed tower location. It is however situated on the opposite side of a surface watercourse from the proposed infrastructure. Screened out.
603	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	1	2	-1	0	1	No			
604	Not displayed on 1:50k map	-	Macduff formation - micaceous	Low	Low	1	0	0	0	1	1	No			

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			psammite, semipelite and pelite												
605	Alluvium	High	Macduff formation - micaceous psammite, semipelite and pelite	Low	Moderate	3	1	1	0	3	3	Yes	MG10	Yes	Approximately 740 m and broadly downgradient of nearest proposed tower location. It is on the opposite side of a small hillslope and valley feature from the proposed infrastructure. Screened out.
606	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
607	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
608	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
609	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	3	2	1	2	2	No			
610	Not displayed on 1:50k map	-	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
611	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
612	Not displayed on 1:50k map	-	Macduff formation -	Low	Low	1	0	1	-1	0	1	No			

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			micaceous psammite, semipelite and pelite												
613	Not displayed on 1:50k map	-	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
614	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
615	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
616	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	1	0	1	2	2	No			
617	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
618	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
619	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			

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620	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	1	1	0	1	1	No			
621	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
622	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
623	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	0	0	1	1	No			
624	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	1	2	-1	0	1	No			
625	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
626	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	1	1	0	1	1	No			
627	Till, devensian	Low	Macduff formation - micaceous psammite,	Low	Low	1	0	1	-1	0	1	No			

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			semipelite and pelite												
628	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	0	0	1	1	No			
629	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
630	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
631	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	0	0	1	1	No			
632	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	0	0	1	1	No			
633	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
634	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	0	0	1	1	No			
635	Till, devensian	Low	Macduff formation - micaceous	Low	Low	1	3	1	2	3	3	Yes	MG1	No	Approximately 140 m and downgradient of the nearest proposed tower location. There is an associated section of

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			psammite, semipelite and pelite												proposed temporary stone access track situated within the potential GWDTE boundary. Screened in.
636	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	3	-3	-2	1	No			
637	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
638	Till, devensian	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	1	-1	0	1	No			
639	Till, devensian	Low	Gardenstown conglomerate formation - conglomerate	Moderate	Low - Moderate	2	1	2	-1	1	1	No			
640	Till, devensian	Low	Gardenstown conglomerate formation - conglomerate	Moderate	Low - Moderate	2	4	2	2	4	4	Yes	MG1	No	Approximately 60 m and downgradient of the nearest proposed tower location. There are sections of proposed temporary access track which intersect the potential GWDTE boundary. Screened in.
													MG9	Yes	
													OV27 Epilobium angustifolium community	No	
													BP	No	
													AGR / W23 / OV27	No	
													AGR	No	
													Private Garden	No	
641	Till, devensian	Low	Gardenstown conglomerate formation - conglomerate	Moderate	Low - Moderate	2	0	3	-3	-1	1	No			
642	Till, devensian	Low	Gardenstown conglomerate	Moderate	Low - Moderate	2	0	2	-2	0	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			formation - conglomerate												
643	Peat	Low	Crovie sandstone group - sandstone, siltstone and mudstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
644	Till, devensian	Low	Crovie sandstone group - sandstone, siltstone and mudstone	Moderate	Low - Moderate	2	0	2	-2	0	1	No			
645	Superficial theme not mapped [for digital map use only]	Not classifiable just use bedrock	Maud pluton - gabbroic-rock	Low	Low	1	0	1	-1	0	1	No			
646	Peat	Low	North-east grampian granitic suite (ordovician) - melagranite, pegmatitic-biotite	Low	Low	1	0	2	-2	-1	1	No			
647	Not displayed on 1:50k map	-	MAUD PLUTON - GABBROIC-ROCK	Low	Low	1	0	1	-1	0	1	No			
648	Not displayed on 1:50k map	-	North-east grampian granitic suite (ordovician) - melagranite, pegmatitic-biotite	Low	Low	1	0	0	0	1	1	No			
649	Peat	Low	Maud pluton - gabbroic-rock	Low	Low	1	0	2	-2	-1	1	No			
650	Peat	Low	Maud pluton - gabbroic-rock	Low	Low	1	0	0	0	1	1	No			
651	Peat	Low	Maud pluton - gabbroic-rock	Low	Low	1	0	0	0	1	1	No			
652	Banchory till formation	Low	Macduff formation - micaceous	Low	Low	1	0	1	-1	0	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			psammite, semipelite and pelite												
653	Peat	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
654	Peat	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	0	2	-2	-1	1	No			
655	Banchory till formation	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	1	2	-1	0	1	No			
656	Banchory till formation	Low	Macduff formation - micaceous psammite, semipelite and pelite	Low	Low	1	1	3	-2	-1	1	No			
657	Banchory till formation	Low	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Low	1	1	1	0	1	1	No			
658	Banchory till formation	Low	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Low	1	1	1	0	1	1	No			
659	Banchory till formation	Low	Crinan subgroup and tayvallich subgroup	Low	Low	1	1	1	0	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
			(undifferentiated) - semipelite, pelite and psammite												
660	Banchory till formation	Low	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Low	1	0	1	-1	0	1	No			
661	Alluvium	High	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Moderate	3	0	2	-2	1	1	No			
662	Banchory till formation	Low	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Low	1	0	0	0	1	1	No			
663	Banchory till formation	Low	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Low	1	0	1	-1	0	1	No			
664	Alluvium	High	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Moderate	3	0	2	-2	1	1	No			
665	Banchory till formation	Low	Forest of deer pluton - melagranite, biotite	Low	Low	1	1	1	0	1	1	No			

ID	Superficial Deposits Type (1:50k)	Superficial Productivity (SP) (Low, Medium, or High)	Main Bedrock Geology Type (1:50k)	Bedrock Productivity (BP) (Low, Moderate or High)	Stage 1 Initial Aquifer Rating (Based on SP & BP)	Stage 1 Aquifer Classification Score (on Scale 1 – 5)	Stage 2a Groundwater Indicator (GWI) Count	2b Surface Water / Precipitation Indicator (SWI) Count	2 Relative Dependency (GWI-SWI) Score	Aquifer Classification Score + Relative Dependency Score	Final Groundwater Dependency Score (adjusted to Scale 1 -5)	Screened In based on GW Dependency ?	NVC Community	GWDTE Potential based on NVC?	Potential Hydrological Connection between potential GWDTE and Proposed Infrastructure. Screened in?
666	Banchory till formation	Low	Forest of deer pluton - melagranite, biotite	Low	Low	1	0	1	-1	0	1	No			
667	Banchory till formation	Low	Crinan subgroup and tayvallich subgroup (undifferentiated) - semipelite, pelite and psammite	Low	Low	1	0	0	0	1	1	No			
668	Banchory till formation	Low	Forest of deer pluton - melagranite, biotite	Low	Low	1	0	1	-1	0	1	No			
669	Banchory till formation	Low	Forest of deer pluton - melagranite, biotite	Low	Low	1	0	0	0	1	1	No			
670	Banchory till formation	Low	Forest of deer pluton - melagranite, biotite	Low	Low	1	0	0	0	1	1	No			
671	Banchory till formation	Low	Forest of deer pluton - melagranite, biotite	Low	Low	1	0	0	0	1	1	No			

Annex A: Further GWDTE Groundwater and Surface Water Indicator Information

Key:

GWI_S_CO	Groundwater Indicator - Springs - Count
GWI_S_SC	Groundwater Indicator - Springs - Score
GWI_FL_CO	Groundwater Indicator - Fault Line - Count
GWI_FL_SC	Groundwater Indicator - Fault Line - Score
GWI_BS_SC	Groundwater Indicator - Break in Slope - Score
TOTAL_GWI	Total Groundwater Indicator Score
SI_FP_SC	Surface Indicator - Floodplain - Score
SI_SW_SC	Surface Indicator - Surface Watercourse - Score
SI_SS_PC	Surface Indicator - Steep Slope - Percentage of parcel covered by Steep Slope
SI_SS_SC	Surface Indicator - Steep Slope - Score
SI_P_PC	Surface Indicator - Peat - Percentage of parcel covered by Peat
SI_P_SC	Surface Indicator - Peat - Score
TOTAL_SI	Total Surface Indicator Score

ID	GWI_S_CO	GWI_S_SC	GWI_FL_CO	GWI_FL_SC	GWI_BS_SC	TOTAL_GWI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	13.64	0	0	0	1	-1
4	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
5	0	0	0	0	0	0	1	0	31.37	0	0	0	1	-1
6	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
7	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
8	0	0	0	0	0	0	1	1	6.91	0	0	0	2	-2
9	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	1	0	0	0	0	2	-2

ID	GWIS_C O	GWIS_S C	GWIFL_C O	GWIFL_S C	GWIBS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWIS_I
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	1	0.11	0	0	0	2	-2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
17	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	1	0	0	0	0	0	0	0	1
29	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
30	0	0	0	0	1	1	1	1	0.24	0	0	0	2	-1
31	0	0	0	0	1	1	1	0	0	0	0	0	1	0
32	0	0	0	0	1	1	1	0	0	0	0	0	1	0
33	0	0	0	0	1	1	0	0	3.5	0	0	0	0	1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
34	0	0	0	0	0	0	1	1	0.6	0	0	0	2	-2
35	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
36	0	0	0	0	1	1	0	0	14.97	0	0	0	0	1
37	0	0	0	0	1	1	0	0	56.53	1	0	0	1	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	1	1	8.06	0	0	0	2	-2
40	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
41	0	0	0	0	0	0	1	1	58.69	1	0	0	3	-3
42	0	0	0	0	0	0	1	1	88.09	1	0	0	3	-3
43	0	0	0	0	0	0	1	1	17.77	0	0	0	2	-2
44	0	0	0	0	0	0	1	1	2.9	0	0	0	2	-2
45	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
46	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
47	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
48	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
49	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
50	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
51	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
52	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
53	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
54	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
55	0	0	0	0	0	0	1	1	2.14	0	0	0	2	-2

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
56	1	3	0	0	0	3	1	1	4.81	0	0	0	2	1
57	1	3	0	0	0	3	1	1	0	0	0	0	2	1
58	1	3	0	0	0	3	1	1	13.8	0	0	0	2	1
59	1	3	0	0	0	3	1	1	0.32	0	0	0	2	1
60	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
61	1	3	0	0	0	3	0	1	0	0	0	0	1	2
62	1	3	0	0	0	3	0	1	0	0	0	0	1	2
63	1	3	0	0	0	3	0	1	1.94	0	0	0	1	2
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	1.23	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	1	1	7.78	0	0	0	2	-2
68	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	1	1	0	1	7.51	0	0	0	1	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
74	0	0	0	0	0	0	0	0	34.85	0	0	0	0	0
75	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
76	0	0	0	0	0	0	1	1	1.99	0	0	0	2	-2
77	0	0	0	0	0	0	0	0	100	1	0	0	1	-1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
78	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
79	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
80	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
81	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
82	0	0	0	0	1	1	1	1	87.84	1	0	0	3	-2
83	0	0	0	0	1	1	1	0	0	0	0	0	1	0
84	0	0	0	0	1	1	1	0	22.29	0	0	0	1	0
85	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
86	0	0	0	0	1	1	1	0	0	0	0	0	1	0
87	0	0	0	0	1	1	1	0	21.85	0	0	0	1	0
88	0	0	0	0	1	1	1	0	7.88	0	0	0	1	0
89	0	0	0	0	1	1	1	1	9.83	0	0	0	2	-1
90	0	0	0	0	1	1	0	1	0	0	0	0	1	0
91	0	0	0	0	1	1	0	0	2.26	0	0	0	0	1
92	0	0	0	0	0	0	1	0	0.76	0	0	0	1	-1
93	0	0	0	0	0	0	0	0	50.73	1	0	0	1	-1
94	0	0	0	0	0	0	0	0	46.33	0	0	0	0	0
95	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
96	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	1	1	75.19	1	0	0	3	-3

ID	GWL_S_C O	GWL_S_S C	GWL_FL_C O	GWL_FL_S C	GWL_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWL_SI
100	0	0	0	0	0	0	1	1	60.4	1	0	0	3	-3
101	0	0	0	0	0	0	1	1	0.7	0	0	0	2	-2
102	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
103	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
104	0	0	0	0	0	0	1	1	0.5	0	0	0	2	-2
105	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
106	0	0	0	0	0	0	1	1	4.72	0	0	0	2	-2
107	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0.83	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
119	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	1	0	0	0	0	0	1	-1

ID	GWL_S_C O	GWL_S_S C	GWL_FL_C O	GWL_FL_S C	GWL_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWL_SI
122	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
123	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
124	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
126	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
127	0	0	0	0	0	0	1	1	0.13	0	0	0	2	-2
128	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
129	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
130	0	0	0	0	0	0	1	1	0.06	0	0	0	2	-2
131	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
132	0	0	0	0	0	0	0	0	6.03	0	0	0	0	0
133	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
134	0	0	0	0	0	0	1	1	0.2	0	0	0	2	-2
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
137	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
138	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
139	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
143	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
144	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
145	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
146	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
147	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
148	0	0	0	0	0	0	0	0	0.51	0	0	0	0	0
149	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	1	0	0.97	0	0	0	1	-1
151	0	0	0	0	0	0	0	0	62.32	1	0	0	1	-1
152	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
158	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
160	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
161	0	0	0	0	0	0	1	1	2.7	0	0	0	2	-2
162	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
163	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
164	0	0	1	1	0	1	0	1	0	0	0	0	1	0
165	0	0	0	0	0	0	0	1	0	0	0	0	1	-1

ID	GWIS_C O	GWIS_S C	GWIFL_C O	GWIFL_S C	GWIBS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWIS_I
166	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
167	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
168	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
169	0	0	1	1	0	1	0	1	56.31	1	0	0	2	-1
170	0	0	0	0	0	0	1	1	8.66	0	0	0	2	-2
171	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
172	0	0	0	0	0	0	0	0	4.78	0	0	0	0	0
173	0	0	0	0	0	0	0	1	17.07	0	0	0	1	-1
174	0	0	0	0	1	1	0	0	36.12	0	0	0	0	1
175	0	0	0	0	1	1	1	1	22.59	0	0	0	2	-1
176	4	12	0	0	1	13	1	1	8.01	0	0	0	2	11
177	0	0	0	0	1	1	0	0	65.6	1	0	0	1	0
178	0	0	0	0	0	0	0	0	95.18	1	0	0	1	-1
179	2	6	0	0	0	6	0	1	72.92	1	0	0	2	4
180	0	0	0	0	0	0	0	0	78.19	1	0	0	1	-1
181	0	0	0	0	1	1	0	1	0	0	0	0	1	0
182	1	3	0	0	1	4	0	1	0.76	0	0	0	1	3
183	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
184	0	0	0	0	0	0	0	1	65.77	1	0	0	2	-2
185	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
186	1	3	0	0	0	3	0	1	52.19	1	0	0	2	1
187	0	0	0	0	0	0	0	0	100	1	0	0	1	-1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
188	0	0	0	0	0	0	1	0	0.02	0	0	0	1	-1
189	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	0	0	0	0	0	0	0	0	21.58	0	0	0	0	0
191	0	0	0	0	0	0	0	0	46.51	0	0	0	0	0
192	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	0	0	1	1	0	1	0	0	5.32	0	13.19	0	0	1
195	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	0	0	1	1	0	1	0	0	0.01	0	0	0	0	1
197	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198	0	0	4	1	0	1	0	1	18.6	0	50.89	1	2	-1
199	0	0	2	1	0	1	0	0	2.06	0	66.96	1	1	0
200	0	0	2	1	0	1	0	0	38.01	0	74.47	1	1	0
201	0	0	0	0	0	0	0	0	0.54	0	82.45	1	1	-1
202	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
203	0	0	2	1	0	1	0	0	4.22	0	92.86	1	1	0
204	0	0	3	1	0	1	0	1	51.72	1	37.94	0	2	-1
205	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
206	0	0	0	0	0	0	0	0	26.09	0	3.97	0	0	0
207	0	0	0	0	0	0	0	0	0.63	0	0.59	0	0	0
208	0	0	0	0	0	0	0	1	29.23	0	29.76	0	1	-1
209	0	0	0	0	0	0	0	0	100	1	0	0	1	-1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
210	0	0	1	1	0	1	0	0	0	0	16.49	0	0	1
211	0	0	1	1	0	1	0	0	18.35	0	14.45	0	0	1
212	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	0	0	1	1	1	2	0	0	0	0	0	0	0	2
216	0	0	2	1	1	2	0	1	29.16	0	8.92	0	1	1
217	0	0	0	0	0	0	0	0	76.31	1	0	0	1	-1
218	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
219	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
220	0	0	0	0	1	1	0	0	100	1	0	0	1	0
221	0	0	0	0	0	0	0	0	99.29	1	0	0	1	-1
222	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
223	0	0	0	0	0	0	0	0	94.79	1	0	0	1	-1
224	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
225	0	0	0	0	0	0	0	0	66.53	1	0	0	1	-1
226	0	0	2	1	0	1	1	1	30.77	0	46.21	0	2	-1
227	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
228	0	0	0	0	0	0	0	1	31.04	0	2.99	0	1	-1
229	0	0	0	0	0	0	0	0	0.7	0	0.01	0	0	0
230	0	0	0	0	0	0	0	0	86.57	1	99.7	1	2	-2
231	0	0	0	0	0	0	1	1	48.81	0	0.06	0	2	-2

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
232	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
233	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
234	0	0	0	0	0	0	1	1	55.61	1	0.1	0	3	-3
235	0	0	0	0	0	0	1	1	31.18	0	63.19	1	3	-3
236	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
237	0	0	0	0	0	0	1	1	57.8	1	23.69	0	3	-3
238	0	0	0	0	0	0	1	1	57.98	1	1.56	0	3	-3
239	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
240	0	0	0	0	0	0	1	1	57.06	1	0	0	3	-3
241	0	0	0	0	0	0	0	1	1.92	0	100	1	2	-2
242	0	0	0	0	0	0	0	0	0	0	98.53	1	1	-1
243	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
244	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
245	0	0	0	0	0	0	0	0	0	0	0.03	0	0	0
246	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
247	0	0	0	0	0	0	0	1	1.76	0	13.44	0	1	-1
248	0	0	0	0	0	0	0	0	23.7	0	0.24	0	0	0
249	0	0	0	0	0	0	0	0	100	1	3.07	0	1	-1
250	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251	0	0	0	0	0	0	0	0	65.47	1	0.1	0	1	-1
252	0	0	0	0	0	0	0	1	17.84	0	0	0	1	-1
253	0	0	0	0	0	0	0	1	65.6	1	0	0	2	-2

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
254	0	0	0	0	0	0	0	1	9.47	0	0	0	1	-1
255	0	0	0	0	0	0	0	1	0.78	0	0	0	1	-1
256	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
257	0	0	0	0	0	0	0	1	3.1	0	4.54	0	1	-1
258	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
259	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
260	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
261	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
262	0	0	0	0	1	1	0	1	0	0	0	0	1	0
263	0	0	0	0	1	1	0	1	0	0	2.37	0	1	0
264	0	0	0	0	1	1	0	1	0	0	57.78	1	2	-1
265	0	0	0	0	1	1	0	1	0	0	0	0	1	0
266	1	3	0	0	1	4	0	1	16.4	0	13.38	0	1	3
267	0	0	0	0	0	0	0	0	0	0	0	0	0	0
268	0	0	0	0	1	1	0	1	3.82	0	0	0	1	0
269	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
270	0	0	0	0	1	1	0	0	0	0	0	0	0	1
271	0	0	0	0	1	1	1	1	35.58	0	0.01	0	2	-1
272	0	0	0	0	1	1	0	0	0.16	0	0	0	0	1
273	0	0	0	0	1	1	0	0	0	0	0	0	0	1
274	0	0	0	0	1	1	1	1	2.89	0	0	0	2	-1
275	0	0	0	0	1	1	0	1	30.72	0	0	0	1	0

ID	GWIS_C O	GWIS_S C	GWIFL_C O	GWIFL_S C	GWIBS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWIS_I
276	0	0	0	0	1	1	0	0	0	0	0	0	0	1
277	0	0	0	0	1	1	0	0	34.49	0	0	0	0	1
278	0	0	0	0	1	1	0	0	39.18	0	0	0	0	1
279	0	0	0	0	1	1	0	0	7.29	0	0	0	0	1
280	0	0	0	0	1	1	0	0	0	0	0	0	0	1
281	0	0	0	0	1	1	0	0	0	0	0	0	0	1
282	0	0	0	0	1	1	0	0	0	0	0	0	0	1
283	0	0	0	0	1	1	1	1	5.62	0	0	0	2	-1
284	0	0	0	0	1	1	1	1	25.05	0	0	0	2	-1
285	0	0	0	0	1	1	1	1	13.96	0	0	0	2	-1
286	0	0	0	0	1	1	1	1	12.74	0	0	0	2	-1
287	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
288	0	0	0	0	1	1	1	1	1.06	0	0	0	2	-1
289	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
290	0	0	0	0	0	0	1	1	62.18	1	0	0	3	-3
291	0	0	0	0	0	0	1	1	3.83	0	0	0	2	-2
292	0	0	0	0	1	1	0	0	100	1	0	0	1	0
293	0	0	0	0	1	1	1	1	55.94	1	0	0	3	-2
294	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
295	0	0	0	0	1	1	1	1	40.63	0	0	0	2	-1
296	0	0	0	0	1	1	0	1	0.19	0	0	0	1	0
297	0	0	0	0	1	1	0	1	3.81	0	0.01	0	1	0

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
298	0	0	0	0	1	1	0	0	0	0	0.02	0	0	1
299	0	0	1	1	1	2	0	1	32.6	0	0.01	0	1	1
300	0	0	0	0	1	1	0	0	14.64	0	0.02	0	0	1
301	0	0	0	0	1	1	0	1	0	0	0.01	0	1	0
302	0	0	0	0	1	1	0	0	66.11	1	0	0	1	0
303	0	0	0	0	0	0	0	1	0	0	0.08	0	1	-1
304	0	0	1	1	1	2	0	1	27.92	0	0.01	0	1	1
305	0	0	0	0	0	0	1	1	18.85	0	0.01	0	2	-2
306	0	0	0	0	0	0	0	0	89.65	1	0	0	1	-1
307	0	0	0	0	1	1	0	1	0	0	0.04	0	1	0
308	0	0	0	0	1	1	0	0	1.84	0	1.53	0	0	1
309	0	0	0	0	1	1	1	0	1.26	0	0	0	1	0
310	0	0	0	0	0	0	1	0	58.56	1	0.01	0	2	-2
311	0	0	0	0	0	0	1	0	1.26	0	0	0	1	-1
312	0	0	0	0	1	1	1	0	57.36	1	0	0	2	-1
313	0	0	0	0	1	1	0	0	76.98	1	0	0	1	0
314	0	0	0	0	1	1	0	0	93.28	1	0	0	1	0
315	0	0	0	0	0	0	1	0	7.55	0	0	0	1	-1
316	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
317	0	0	0	0	0	0	1	1	2.18	0	0	0	2	-2
318	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319	0	0	0	0	0	0	0	1	0	0	0	0	1	-1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
320	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
321	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
322	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
323	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
324	0	0	0	0	0	0	1	1	0.38	0	0	0	2	-2
325	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
326	0	0	0	0	0	0	0	0	0	0	0	0	0	0
327	0	0	0	0	0	0	0	0	0	0	63.1	1	1	-1
328	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
329	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0
330	0	0	0	0	0	0	1	1	0	0	0.01	0	2	-2
331	0	0	0	0	0	0	1	1	13.37	0	0	0	2	-2
332	0	0	0	0	0	0	1	0	2.39	0	0	0	1	-1
333	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
334	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
335	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
336	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
337	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
338	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
339	0	0	1	1	0	1	1	1	0	0	0.97	0	2	-1
340	0	0	1	1	0	1	1	0	1.71	0	54.83	1	2	-1
341	0	0	0	0	0	0	0	0	11.2	0	91.46	1	1	-1

ID	GWIS_C O	GWIS_S C	GWIFL_C O	GWIFL_S C	GWIBS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWIS_I
342	0	0	0	0	0	0	1	1	13.9	0	33.6	0	2	-2
343	0	0	0	0	0	0	0	0	3.76	0	34.46	0	0	0
344	0	0	0	0	0	0	1	1	44.66	0	0	0	2	-2
345	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
346	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
347	0	0	0	0	0	0	1	0	30.65	0	2.22	0	1	-1
348	0	0	0	0	0	0	0	1	2.41	0	75.17	1	2	-2
349	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
351	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
352	0	0	0	0	0	0	1	1	23.8	0	0	0	2	-2
353	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
354	0	0	0	0	0	0	1	1	13.3	0	0	0	2	-2
355	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
357	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
358	0	0	0	0	0	0	0	1	20.57	0	0	0	1	-1
359	0	0	0	0	0	0	0	0	0	0	0	0	0	0
360	0	0	0	0	0	0	1	1	40.63	0	0	0	2	-2
361	0	0	0	0	0	0	1	1	67.75	1	0	0	3	-3
362	0	0	0	0	0	0	1	1	76.73	1	0	0	3	-3
363	0	0	0	0	1	1	0	0	0	0	0	0	0	1

ID	GWL_S_C O	GWL_S_S C	GWL_FL_C O	GWL_FL_S C	GWL_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWL_SI
364	0	0	0	0	1	1	0	1	0	0	0	0	1	0
365	0	0	0	0	1	1	0	1	0	0	0	0	1	0
366	0	0	0	0	0	0	1	0	0	0	17.06	0	1	-1
367	0	0	0	0	0	0	0	0	0	0	97.56	1	1	-1
368	0	0	0	0	0	0	0	1	0	0	6.79	0	1	-1
369	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
370	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
371	0	0	0	0	0	0	0	0	0	0	0	0	0	0
372	0	0	0	0	0	0	0	0	0	0	0	0	0	0
373	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374	0	0	0	0	0	0	0	1	0	0	37.97	0	1	-1
375	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376	0	0	0	0	0	0	0	0	20.39	0	0	0	0	0
377	0	0	0	0	0	0	0	1	2.46	0	0	0	1	-1
378	0	0	0	0	1	1	1	0	5.82	0	0	0	1	0
379	0	0	1	1	0	1	0	0	0	0	0.01	0	0	1
380	0	0	0	0	0	0	0	0	0.29	0	0	0	0	0
381	0	0	1	1	0	1	1	1	0.19	0	37.5	0	2	-1
382	0	0	1	1	1	2	1	1	28.59	0	0	0	2	0
383	0	0	0	0	0	0	0	1	2.5	0	0	0	1	-1
384	0	0	0	0	0	0	0	1	0.75	0	0	0	1	-1
385	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ID	GWIS_C O	GWIS_S C	GWIFL_C O	GWIFL_S C	GWIBS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWIS_I
386	0	0	1	1	0	1	1	0	0	0	0	0	1	0
387	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
388	1	3	1	1	0	4	0	0	1.45	0	0.01	0	0	4
389	0	0	0	0	0	0	0	0	0	0	0.08	0	0	0
390	0	0	1	1	1	2	0	0	0.73	0	0	0	0	2
391	0	0	1	1	1	2	0	1	11.11	0	1.73	0	1	1
392	0	0	0	0	0	0	0	0	17.43	0	0	0	0	0
393	0	0	0	0	0	0	0	1	0.94	0	100	1	2	-2
394	0	0	0	0	0	0	1	1	9.11	0	2.17	0	2	-2
395	0	0	0	0	0	0	0	1	1.45	0	0.03	0	1	-1
396	0	0	0	0	0	0	0	0	0	0	1.68	0	0	0
397	0	0	0	0	0	0	1	1	0.79	0	83.51	1	3	-3
398	0	0	0	0	0	0	0	0	0.07	0	67.54	1	1	-1
399	0	0	0	0	0	0	1	1	19.23	0	45.43	0	2	-2
400	0	0	0	0	0	0	0	1	6.71	0	0.01	0	1	-1
401	0	0	0	0	0	0	0	0	0	0	0.06	0	0	0
402	0	0	0	0	0	0	0	1	0.72	0	39.56	0	1	-1
403	0	0	0	0	0	0	0	1	0	0	22.19	0	1	-1
404	0	0	0	0	1	1	0	1	0.29	0	49.59	0	1	0
405	1	3	0	0	0	3	0	1	12.54	0	0	0	1	2
406	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407	0	0	0	0	0	0	0	0	0.17	0	0	0	0	0

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
408	1	3	0	0	0	3	0	0	3.81	0	0	0	0	3
409	1	3	0	0	0	3	1	1	3.56	0	0	0	2	1
410	1	3	0	0	1	4	1	1	0	0	0	0	2	2
411	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
412	1	3	0	0	1	4	1	1	0	0	0	0	2	2
413	0	0	0	0	0	0	0	0	33.72	0	0	0	0	0
414	1	3	0	0	1	4	1	1	1.83	0	0	0	2	2
415	1	3	0	0	0	3	1	1	11.25	0	0	0	2	1
416	0	0	0	0	0	0	1	1	52.7	1	0	0	3	-3
417	0	0	0	0	0	0	1	1	0.1	0	0	0	2	-2
418	1	3	0	0	0	3	0	1	0.01	0	0	0	1	2
419	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
420	0	0	0	0	0	0	1	1	36.84	0	0	0	2	-2
421	1	3	0	0	1	4	1	1	3.53	0	0	0	2	2
422	1	3	0	0	1	4	0	0	0	0	0	0	0	4
423	1	3	0	0	1	4	0	0	0	0	0	0	0	4
424	1	3	0	0	1	4	0	0	0	0	0	0	0	4
425	1	3	0	0	1	4	0	1	0	0	0	0	1	3
426	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0
427	0	0	0	0	1	1	0	0	5.56	0	0	0	0	1
428	1	3	0	0	1	4	1	1	1.65	0	0	0	2	2
429	0	0	0	0	0	0	1	1	9.38	0	0	0	2	-2

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
430	0	0	0	0	0	0	0	1	0.02	0	0	0	1	-1
431	0	0	0	0	1	1	0	0	0	0	0	0	0	1
432	0	0	0	0	0	0	1	1	1.51	0	0	0	2	-2
433	0	0	0	0	1	1	0	0	39.87	0	0	0	0	1
434	0	0	0	0	0	0	0	1	31.67	0	0	0	1	-1
435	0	0	0	0	0	0	0	1	2.97	0	0	0	1	-1
436	0	0	0	0	1	1	1	1	2.94	0	0	0	2	-1
437	0	0	0	0	0	0	0	0	41.34	0	0	0	0	0
438	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
439	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
440	0	0	0	0	1	1	0	0	45.02	0	0	0	0	1
441	0	0	0	0	0	0	0	0	14.07	0	0	0	0	0
442	0	0	0	0	0	0	1	1	6.68	0	0	0	2	-2
443	0	0	0	0	0	0	0	0	11.11	0	0	0	0	0
444	0	0	0	0	0	0	0	0	3.33	0	0	0	0	0
445	0	0	0	0	1	1	1	1	15.12	0	0	0	2	-1
446	0	0	0	0	0	0	1	1	27.56	0	0	0	2	-2
447	0	0	0	0	0	0	1	1	1.02	0	28.49	0	2	-2
448	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
449	1	3	0	0	0	3	0	1	0.42	0	17.03	0	1	2
450	0	0	0	0	0	0	0	0	99.44	1	0	0	1	-1
451	0	0	0	0	0	0	1	1	91.76	1	0	0	3	-3

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
452	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
453	0	0	0	0	0	0	0	0	40.22	0	0	0	0	0
454	0	0	0	0	0	0	0	0	0	0	0	0	0	0
455	0	0	0	0	0	0	1	1	42.98	0	0	0	2	-2
456	0	0	0	0	0	0	0	0	16.4	0	0	0	0	0
457	0	0	0	0	0	0	0	0	10.11	0	0	0	0	0
458	0	0	0	0	0	0	0	1	90.99	1	0	0	2	-2
459	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
460	0	0	0	0	0	0	1	1	12.59	0	0	0	2	-2
461	0	0	0	0	0	0	0	0	0	0	0	0	0	0
462	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
463	0	0	0	0	1	1	0	1	16.06	0	0	0	1	0
464	1	3	0	0	0	3	0	1	15.11	0	0.01	0	1	2
465	0	0	0	0	0	0	1	1	7.09	0	51	1	3	-3
466	0	0	0	0	1	1	0	0	0	0	0	0	0	1
467	0	0	0	0	1	1	0	1	0	0	0	0	1	0
468	0	0	0	0	0	0	0	0	0	0	100	1	1	-1
469	0	0	0	0	1	1	0	1	0.02	0	0	0	1	0
470	0	0	0	0	1	1	1	1	38.28	0	0	0	2	-1
471	0	0	0	0	1	1	0	0	17.04	0	0	0	0	1
472	0	0	0	0	1	1	0	1	0.14	0	0	0	1	0
473	0	0	0	0	0	0	0	0	5.63	0	0	0	0	0

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
474	0	0	0	0	0	0	0	0	0	0	0	0	0	0
475	0	0	0	0	0	0	0	0	0	0	0	0	0	0
476	1	3	0	0	1	4	0	1	1.21	0	0	0	1	3
477	0	0	0	0	0	0	0	0	4.85	0	0.03	0	0	0
478	1	3	0	0	1	4	0	1	0.35	0	0	0	1	3
479	0	0	0	0	0	0	0	0	1.74	0	39.36	0	0	0
480	0	0	0	0	1	1	0	1	0	0	0	0	1	0
481	0	0	0	0	1	1	0	1	0	0	0	0	1	0
482	0	0	0	0	1	1	0	1	0.25	0	0	0	1	0
483	0	0	0	0	1	1	0	1	2.08	0	0	0	1	0
484	0	0	0	0	1	1	0	0	0	0	0	0	0	1
485	0	0	0	0	1	1	0	1	3.27	0	0	0	1	0
486	0	0	0	0	0	0	0	1	7.35	0	61.73	1	2	-2
487	0	0	0	0	1	1	0	1	0.43	0	0	0	1	0
488	0	0	0	0	0	0	0	1	2.9	0	30.6	0	1	-1
489	0	0	0	0	0	0	0	1	2.76	0	93.8	1	2	-2
490	0	0	0	0	1	1	0	1	0	0	0	0	1	0
491	0	0	0	0	1	1	0	1	0.07	0	0	0	1	0
492	0	0	0	0	0	0	0	0	75.87	1	100	1	2	-2
493	0	0	0	0	1	1	0	1	0	0	0	0	1	0
494	0	0	0	0	0	0	0	0	12.36	0	100	1	1	-1
495	0	0	0	0	1	1	0	1	0	0	0	0	1	0

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
496	0	0	0	0	1	1	0	1	0.03	0	0	0	1	0
497	0	0	0	0	1	1	0	0	0	0	0	0	0	1
498	0	0	0	0	1	1	0	0	0	0	100	1	1	0
499	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	1	1	0	1	0.06	0	0	0	1	0
501	0	0	0	0	1	1	0	1	7.2	0	34.79	0	1	0
502	0	0	0	0	1	1	1	1	15.05	0	87.49	1	3	-2
503	0	0	0	0	1	1	0	0	0	0	100	1	1	0
504	0	0	1	1	0	1	0	1	0.73	0	0	0	1	0
505	0	0	0	0	1	1	1	1	37.64	0	0	0	2	-1
506	0	0	0	0	1	1	0	0	1.38	0	0	0	0	1
507	0	0	0	0	1	1	0	0	2.71	0	0	0	0	1
508	0	0	0	0	0	0	1	1	54.59	1	0	0	3	-3
509	0	0	0	0	0	0	1	1	53.39	1	0	0	3	-3
510	0	0	0	0	0	0	1	1	91.11	1	0	0	3	-3
511	0	0	0	0	0	0	1	1	86.4	1	0	0	3	-3
512	0	0	1	1	0	1	1	1	29.95	0	0	0	2	-1
513	0	0	0	0	0	0	0	0	3.37	0	21.36	0	0	0
514	0	0	1	1	0	1	0	1	17.37	0	0	0	1	0
515	0	0	1	1	0	1	1	1	42.53	0	0	0	2	-1
516	0	0	1	1	0	1	0	1	6	0	0	0	1	0
517	2	6	1	1	0	7	0	1	9.05	0	0	0	1	6

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
518	0	0	0	0	0	0	0	0	1.6	0	0.01	0	0	0
519	1	3	0	0	0	3	0	1	0	0	0.01	0	1	2
520	0	0	0	0	0	0	0	1	32.62	0	0	0	1	-1
521	0	0	0	0	0	0	0	0	0.06	0	0	0	0	0
522	0	0	0	0	0	0	0	1	3.31	0	0.01	0	1	-1
523	0	0	0	0	0	0	0	0	16.27	0	0	0	0	0
524	0	0	0	0	0	0	0	0	0.15	0	0.02	0	0	0
525	0	0	0	0	0	0	1	1	18.19	0	0	0	2	-2
526	0	0	0	0	0	0	1	1	31.17	0	0	0	2	-2
527	0	0	0	0	1	1	1	1	74.12	1	0	0	3	-2
528	0	0	0	0	1	1	1	1	37.79	0	0	0	2	-1
529	0	0	0	0	1	1	0	0	97.06	1	0	0	1	0
530	0	0	0	0	1	1	1	1	0.74	0	0	0	2	-1
531	0	0	0	0	0	0	0	0	4.68	0	0	0	0	0
532	0	0	0	0	1	1	1	1	3.58	0	0	0	2	-1
533	0	0	0	0	0	0	0	0	0.09	0	0	0	0	0
534	0	0	0	0	1	1	1	0	29.13	0	0	0	1	0
535	0	0	0	0	0	0	0	1	12.49	0	0	0	1	-1
536	0	0	0	0	0	0	1	1	34.63	0	0	0	2	-2
537	0	0	0	0	1	1	1	1	44.33	0	0	0	2	-1
538	1	3	0	0	1	4	0	1	5.34	0	0	0	1	3
539	0	0	0	0	1	1	1	1	44.26	0	0	0	2	-1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
540	0	0	0	0	1	1	0	1	1.99	0	0	0	1	0
541	0	0	0	0	0	0	0	1	92.2	1	0	0	2	-2
542	1	3	0	0	0	3	0	1	50.23	1	0	0	2	1
543	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
544	0	0	0	0	0	0	0	0	0	0	0	0	0	0
545	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
546	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
547	0	0	0	0	0	0	1	1	30.65	0	0	0	2	-2
548	0	0	0	0	0	0	1	1	12.85	0	0	0	2	-2
549	0	0	0	0	0	0	1	1	23.38	0	0	0	2	-2
550	0	0	0	0	0	0	0	0	0.83	0	0	0	0	0
551	0	0	0	0	0	0	1	1	13.7	0	0	0	2	-2
552	0	0	0	0	0	0	1	1	0.68	0	0	0	2	-2
553	0	0	0	0	0	0	1	1	19.87	0	0	0	2	-2
554	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
555	0	0	0	0	0	0	1	1	9.37	0	0	0	2	-2
556	0	0	1	1	0	1	1	1	27.46	0	0	0	2	-1
557	0	0	0	0	0	0	1	1	84.91	1	0	0	3	-3
558	0	0	1	1	0	1	1	1	88.83	1	0	0	3	-2
559	0	0	0	0	0	0	0	0	4.64	0	0	0	0	0
560	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
562	0	0	0	0	0	0	1	1	17.88	0	0	0	2	-2
563	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
564	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
565	0	0	0	0	1	1	0	0	0	0	0	0	0	1
566	0	0	0	0	0	0	0	0	0	0	0	0	0	0
567	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
568	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
569	1	3	0	0	0	3	0	1	0	0	0	0	1	2
570	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
571	0	0	0	0	0	0	0	1	0.04	0	0	0	1	-1
572	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
573	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
574	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
575	2	6	0	0	0	6	1	1	2.67	0	0	0	2	4
576	1	3	0	0	0	3	0	1	14.06	0	0	0	1	2
577	2	6	0	0	1	7	0	1	1.16	0	0	0	1	6
578	0	0	3	1	0	1	1	1	54.62	1	0	0	3	-2
579	1	3	0	0	1	4	1	1	58.82	1	0	0	3	1
580	0	0	0	0	1	1	0	1	0	0	0	0	1	0
581	0	0	2	1	1	2	1	1	6.77	0	0	0	2	0
582	0	0	0	0	1	1	0	1	0	0	0	0	1	0
583	0	0	1	1	0	1	1	1	0.31	0	0	0	2	-1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
584	0	0	1	1	0	1	0	0	0	0	0	0	0	1
585	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
586	0	0	0	0	0	0	0	0	0	0	0	0	0	0
587	0	0	1	1	0	1	1	1	0	0	0	0	2	-1
588	0	0	0	0	0	0	0	1	50.22	1	0	0	2	-2
589	0	0	0	0	0	0	1	1	3.66	0	0	0	2	-2
590	0	0	0	0	1	1	0	1	0	0	0	0	1	0
591	0	0	0	0	1	1	0	1	0	0	0	0	1	0
592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
593	0	0	1	1	0	1	1	1	44.42	0	0	0	2	-1
594	0	0	0	0	0	0	0	0	0	0	0	0	0	0
595	0	0	0	0	0	0	0	0	0	0	0	0	0	0
596	0	0	0	0	0	0	0	0	0	0	0	0	0	0
597	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
598	0	0	0	0	0	0	1	0	0	0	0	0	1	-1
599	0	0	1	1	0	1	1	1	0	0	0	0	2	-1
600	0	0	0	0	1	1	0	1	2.28	0	0	0	1	0
601	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
602	0	0	1	1	1	2	1	1	0	0	0	0	2	0
603	0	0	0	0	1	1	1	1	0	0	0	0	2	-1
604	0	0	0	0	0	0	0	0	10.42	0	0	0	0	0
605	0	0	0	0	1	1	1	0	0	0	0	0	1	0

ID	GWL_S_C O	GWL_S_S C	GWL_FL_C O	GWL_FL_S C	GWL_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWL_SI
606	0	0	0	0	0	0	1	1	0.61	0	0	0	2	-2
607	0	0	0	0	0	0	1	0	14.97	0	0	0	1	-1
608	0	0	0	0	0	0	1	0	59.89	1	0	0	2	-2
609	1	3	0	0	0	3	1	1	18.24	0	0	0	2	1
610	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
611	0	0	0	0	0	0	0	0	82.01	1	0	0	1	-1
612	0	0	0	0	0	0	0	0	99.39	1	0	0	1	-1
613	0	0	0	0	0	0	0	0	100	1	0	0	1	-1
614	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
615	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
616	0	0	0	0	1	1	0	0	39.7	0	0	0	0	1
617	0	0	0	0	0	0	0	0	66.36	1	0	0	1	-1
618	0	0	0	0	0	0	0	1	65.39	1	0	0	2	-2
619	0	0	0	0	0	0	0	0	59.24	1	0	0	1	-1
620	0	0	0	0	1	1	0	0	86.09	1	0	0	1	0
621	0	0	0	0	0	0	0	0	99.65	1	0	0	1	-1
622	0	0	0	0	0	0	0	0	97.91	1	0	0	1	-1
623	0	0	0	0	0	0	0	0	16.07	0	0	0	0	0
624	0	0	0	0	1	1	1	1	23.81	0	0	0	2	-1
625	0	0	0	0	0	0	0	1	84.16	1	0	0	2	-2
626	0	0	0	0	1	1	0	0	96.65	1	0	0	1	0
627	0	0	0	0	0	0	0	0	100	1	0	0	1	-1

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
628	0	0	0	0	0	0	0	0	19.64	0	0	0	0	0
629	0	0	0	0	0	0	0	1	66.62	1	0	0	2	-2
630	0	0	0	0	0	0	0	1	18.54	0	0	0	1	-1
631	0	0	0	0	0	0	0	0	0	0	0	0	0	0
632	0	0	0	0	0	0	0	0	0	0	0	0	0	0
633	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
635	1	3	0	0	0	3	0	1	0.83	0	0	0	1	2
636	0	0	0	0	0	0	1	1	87.95	1	0	0	3	-3
637	0	0	0	0	0	0	1	1	0	0	0	0	2	-2
638	0	0	0	0	0	0	1	0	2.89	0	0	0	1	-1
639	0	0	1	1	0	1	1	1	47.57	0	0	0	2	-1
640	1	3	1	1	0	4	1	1	41.59	0	0	0	2	2
641	0	0	0	0	0	0	1	1	72.9	1	0	0	3	-3
642	0	0	0	0	0	0	0	1	53.19	1	0	0	2	-2
643	0	0	0	0	0	0	0	1	1.2	0	63.71	1	2	-2
644	0	0	0	0	0	0	0	1	0	0	58.95	1	2	-2
645	0	0	0	0	0	0	0	0	0	0	71.51	1	1	-1
646	0	0	0	0	0	0	1	1	12.88	0	0	0	2	-2
647	0	0	0	0	0	0	0	0	97.28	1	0	0	1	-1
648	0	0	0	0	0	0	0	0	25.03	0	0	0	0	0
649	0	0	0	0	0	0	1	1	3.24	0	24.93	0	2	-2

ID	GWI_S_C O	GWI_S_S C	GWI_FL_C O	GWI_FL_S C	GWI_BS_S C	TOTAL_G WI	SI_FP_SC	SI_SW_SC	SI_SS_PC	SI_SS_SC	SI_P_PC	SI_P_SC	TOTAL_SI	GWI_SI
650	0	0	0	0	0	0	0	0	0	0	0	0	0	0
651	0	0	0	0	0	0	0	0	0	0	0	0	0	0
652	0	0	0	0	0	0	0	0	0	0	83.08	1	1	-1
653	0	0	0	0	0	0	1	0	0	0	100	1	2	-2
654	0	0	0	0	0	0	0	1	0	0	80.86	1	2	-2
655	0	0	0	0	1	1	0	1	0	0	72.6	1	2	-1
656	0	0	0	0	1	1	1	1	0	0	91.55	1	3	-2
657	0	0	0	0	1	1	0	1	0	0	0	0	1	0
658	0	0	0	0	1	1	0	1	0	0	0	0	1	0
659	0	0	0	0	1	1	0	1	0.12	0	0	0	1	0
660	0	0	0	0	0	0	0	1	1.88	0	0	0	1	-1
661	0	0	0	0	0	0	1	1	1.77	0	0	0	2	-2
662	0	0	0	0	0	0	0	0	8.97	0	0	0	0	0
663	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
664	0	0	0	0	0	0	1	1	0.3	0	0	0	2	-2
665	0	0	0	0	1	1	0	1	0.38	0	0	0	1	0
666	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
667	0	0	0	0	0	0	0	0	0	0	0	0	0	0
668	0	0	0	0	0	0	0	1	0	0	0	0	1	-1
669	0	0	0	0	0	0	0	0	0	0	0	0	0	0
670	0	0	0	0	0	0	0	0	0	0	0	0	0	0
671	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Annex B: National Vegetation Classification Survey Results

1. Introduction

1.1. Project Background

- 1.1.1. WSP UK Ltd (WSP) was commissioned by SSEN Transmission to undertake National Vegetation Classification (NVC) surveys for areas identified with potential Groundwater Dependent Terrestrial Ecosystems (GWDTEs) in relation to the Proposed Development. The Proposed Development traverses through Highland, Moray and Aberdeenshire council areas of north and northeast Scotland.
- 1.1.2. Initial habitat surveys involved a Multi-Criteria Analysis (MCA) desk-based approach followed by ground truthing UK Habitat (UKHab) field surveys – see **Appendix 8.1: UK Habitat and Protected Species** for full survey methods and results. These survey results flagged any habitats with suitability to support GWDTEs. Following a screening exercise detailed fully in this Appendix and **Chapter 10: Water and Geological Environment**, the remaining areas with potential to support GWDTEs were subject to NVC surveys.

1.2. Scope of Report

- 1.2.1. This Annex presents the results of the NVC survey carried out at specified areas along the Proposed Development and is intended as a supporting document to inform **Chapter 10: Water and Geological Environment**.

2. Methods

- 2.1.1. An NVC survey was carried out in the months of May and June 2025. The areas to be surveyed were defined following the approach detailed in the Introduction above and are shown on **Figure 10.7.8: NVC Survey Results**.
- 2.1.2. The NVC survey was carried out by a team of ecologists who are at least 'capable' in undertaking such surveys in upland habitats¹³.
- 2.1.3. The NVC survey was completed following industry standard guidelines¹⁴, classifying communities in accordance with the NVC system and floristic tables¹⁵. Within the study areas, homogenous stands and mosaics of vegetation were mapped as polygons on field survey maps. These polygons were surveyed quantitatively with dominant and constant species, sub-dominant species and other species present across homogenous stands and mosaics. Quadrat sampling was not applied as it is not always necessary if vegetation types can be reliably identified in the field using sufficient qualitative data where most NVC communities and sub-communities are defined by inter-stand frequency, not by the abundance of the constituent species. Species frequency was recorded for each targeted survey area providing an overall qualitative sample. Furthermore, qualitative information can be vital for understanding the dynamics and trends in vegetation patterns.
- 2.1.4. Wherever possible, communities were classified to sub-community level, although in many cases only a community level classification was completed due to species-richness not being sufficient to allow meaningful sub-community determination.

¹³ CIEEM (2022). Competency Standard for Preliminary Habitat Survey. Available at: <https://cieem.net/wp-content/uploads/2022/01/Preliminary-Habitat-Survey-Draft-Competency-Standard-January-2022-1.pdf>

¹⁴ Rodwell, J. S. (2006). NVC Users' Handbook. Available at: <https://hub.jncc.gov.uk/assets/a407ebfc-2859-49cf-9710-1bde9c8e28c7>

¹⁵ Rodwell, J. S. (Ed), et al. (1991 – 2000). British Plant Communities (5 volumes). Available at: https://openlibrary.org/books/OL1849860M/British_plant_communities

- 2.1.5. Nomenclature for higher plant species (e.g., vascular, flowering plants) follows New Flora of the British Isles¹⁶. Nomenclature for lower plants (e.g., bryophytes) follows Mosses and Liverworts of Britain and Ireland¹⁷.
- 2.1.6. Details on whether the community has potential to be a GWDTE is also included⁷, with further details in **Section 2.3 Groundwater Dependent Terrestrial Ecosystems (GWDTE)** of the main **Appendix 10.7**.

2.2. Limitations

- 2.2.1. Ecological survey data will typically remain valid for up to 12 months, and up to 18 months with the following exceptions¹⁸:
- where a site may offer existing or new features which could be utilised by a mobile species within a short time frame;
 - where a mobile species is present on-site or in the wider area, and can create new features of relevance to the assessment; and
 - where country-specific or species-specific guidance dictates otherwise.
- 2.2.2. Access was not possible to some of the targeted NVC survey areas owing to landowner access restrictions, these areas are shown in **Figure 10.7.8: NVC Survey Results**.

3. Results

- 3.1.1. The NVC survey results for each survey area are listed below in **Tables 1.1, 1.2 and 1.3**. The Survey Area ID corresponds with the areas detailed in **Section 2.3 Groundwater Dependent Terrestrial Ecosystems (GWDTE)** of the main **Appendix 10.7**, however, only those areas subject to NVC survey have been included here.
- 3.1.2. A description of the dominant and notable species, composition, and management of each community is provided. Results are displayed in **Figure 10.7.8: NVC Survey Results**. The NVC communities are listed in full on the first mention and then the NVC codes are used thereafter (e.g. H10).

¹⁶ Stace, C. (2019). New Flora of the British Isles. Fourth Edition.

¹⁷ Atherton, I., Bosanquet S., Lawley, M. (2010). Mosses and Liverworts of Britain and Ireland. British Bryological Society.

¹⁸ Chartered Institute of Ecology and Environmental Management (2019). Advice Note on the Lifespan of Ecological Reports and Surveys. Available at: <https://cieem.net/resource/advice-note-on-the-lifespan-of-ecological-reports-and-surveys/>

Table 1.1: NVC Survey Results – Highland

Survey Area ID	NVC Community	Area (ha) ¹⁹	Description	GWDTE Potential
26	W9 <i>Fraxinus excelsior</i> - <i>Sorbus aucuparia</i> - <i>Mercurialis perennis</i> woodland	0.0004	The canopy primarily comprises sycamore (<i>Acer pseudoplatanus</i>) with hazel (<i>Corylus avellana</i>), blackthorn (<i>Prunus spinosa</i>) and elder (<i>Sambucus nigra</i>). The ground flora comprises hedge woundwort (<i>Stachys sylvatica</i>), wood avens (<i>Geum urbanum</i>) and cow parsley (<i>Anthriscus sylvestris</i>).	-
28	OV25 <i>Urtica dioica</i> - <i>Cirsium arvense</i> community	0.002	Dominated by creeping thistle (<i>Cirsium arvense</i>) and common nettle (<i>Urtica dioica</i>). Very disturbed ground, with a lot of bare ground due to recent fencing work.	-
30	MG5 <i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> grassland	1.13	An area of dry neutral grassland with some acid species. Species include crested dog's-tail (<i>Cynosurus cristatus</i>), Yorkshire fog (<i>Holcus lanatus</i>), sweet vernal grass (<i>Anthoxanthum odoratum</i>), raspberry (<i>Rubus idaeus</i>), nettle, rosebay willowherb (<i>Chamerion angustifolium</i>), white clover (<i>Trifolium repens</i>), common hogweed (<i>Heracleum sphondylium</i>), ribwort plantain (<i>Plantago lanceolata</i>), common mouse-ear (<i>Cerastium fontanum</i>), common wood rush (<i>Luzula multiflora</i>) and buttercup (<i>Ranunculus sp.</i>). The habitat was regularly mown.	-
	MG10 <i>Holcus lanatus</i> - <i>Juncus effusus</i> rush-pasture	0.05	An area of <i>Holcus</i> - <i>Juncus</i> rush pasture comprising soft rush (<i>Juncus effusus</i>), Yorkshire fog, sweet vernal grass, hawksbeard (<i>Crepis capillaris</i>) and common wood rush.	Yes
	MG13 <i>Agrostis stolonifera</i> - <i>Alopecurus geniculatus</i> grassland	0.14	Species comprised foxtail (<i>Alopecurus geniculatus</i>), creeping bent (<i>Agrostis stolonifera</i>), broad-leaved dock (<i>Rumex obtusifolius</i>) and creeping buttercup (<i>Ranunculus repens</i>). Floating sweet-grass (<i>Glyceria fluitans</i>) is also locally abundant at the edges of S28.	-
	OV25	0.04	Dominated by common nettle, cow parsley and creeping thistle. Broad-leaved dock was also recorded.	-
	S28 <i>Phalaris arundinacea</i> tall-herb fen / W2 <i>Salix cinerea</i> - <i>Betula pubescens</i> - <i>Phragmites australis</i> woodland	0.11	The canopy comprised goat willow (<i>Salix caprea</i>), Sitka spruce (<i>Pinus sitchensis</i>), crack willow (<i>Salix fragilis</i>), grey willow (<i>Salix cinerea</i>) and white poplar (<i>Populus alba</i>). The ground was disturbed and was dominated by <i>Polytrichum commune</i> . Other species included bluebell (<i>Hyacinthoides non-scripta</i>), creeping soft grass (<i>Holcus mollis</i>), reed canary grass (<i>Phalaris arundinacea</i>), greater stitchwort (<i>Stellaria holostea</i>), creeping thistle, foxtail, common nettle, common hemp-nettle (<i>Galeopsis tetrahit</i>), water forget-me-not (<i>Myosotis scorpioides</i>) and cleaver (<i>Galium aparine</i>).	Yes
	W10e <i>Quercus robur</i> - <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> woodland, <i>Acer pseudoplatanus</i> - <i>Oxalis acetosella</i> sub-community	0.01	The ground layer changes to that of W10e where it comprises creeping soft grass, Yorkshire fog, wood-sorrel (<i>Oxalis acetosella</i>), wood horsetail (<i>Equisetum sylvaticum</i>) and sweet vernal grass.	-

¹⁹ Where NVC communities have been mapped as a polygon the resulting area has been rounded to two decimal places, with the exception of areas that are smaller than 0.01 ha and would otherwise show as 0.00 ha.

Survey Area ID	NVC Community	Area (ha) ¹⁹	Description	GWDTE Potential
	W22 <i>Prunus spinosa</i> - <i>Rubus fruticosus</i> scrub	0.02	Scrub comprising blackthorn (<i>Prunus spinosa</i>), bracken (<i>Pteridium aquilinum</i>), meadow vetchling (<i>Lathyrus pratensis</i>), sweet vernal grass, germander speedwell (<i>Veronica chamaedrys</i>), bluebell and Yorkshire fog.	-
31 32	MG5a <i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> grassland, <i>Lathyrus pratensis</i> sub-community	0.07	Species include cow parsley, meadow vetchling, creeping thistle, germander speedwell, bluebell, buttercup, yarrow (<i>Achillea millefolium</i>) and common sorrel (<i>Rumex acetosa</i>).	-
33	MG1 <i>Arrhenatherum elatius</i> grassland / MG7 <i>Lolium perenne</i> leys and related grasslands	1.18	Species comprised Yorkshire fog, creeping soft grass, sweet vernal grass, timothy grass (<i>Phleum pratense</i>), cow parsley and germander speedwell.	-
	W25a <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> underscrub, <i>Hyacinthoides non-scripta</i> sub-community	0.09	Dominated by bracken and a ground layer of bluebell.	-
48	M4 <i>Carex rostrata</i> - <i>Sphagnum recurvum</i> mire	0.34	Wetland area dominated by bottle sedge (<i>Carex rostrata</i>) with occasional common sedge (<i>Carex nigra</i>) and silverweed (<i>Argentina anserina</i>).	Yes
	S28 / M4	1.21	A mosaic of S28 with parcels of M4 dominated by sedges. Reed canary grass dominated the sward, with frequent to occasional bottle sedge, common sedge, marsh horsetail (<i>Equisetum palustre</i>), silverweed, marsh bedstraw (<i>Galium palustre</i>), cuckoo flower (<i>Cardamine pratensis</i>), common vetch (<i>Vicia sativa</i>), marsh cinquefoil (<i>Potentilla palustris</i>) and meadowsweet (<i>Filipendula ulmaria</i>).	Yes
56 57	W25 <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> underscrub	0.22	This parcel was inaccessible and as such was surveyed from a distance. Species comprised red campion (<i>Silene dioica</i>), dog rose (<i>Rosa canina</i>), bird cherry (<i>Prunus padus</i>), ash (<i>Fraxinus excelsior</i>), hawthorn (<i>Crataegus monogyna</i>), beech (<i>Fagus sylvatica</i>), common dogwood (<i>Cornus sanguinea</i>) and alder (<i>Alnus glutinosa</i>).	-
	Agricultural land (AGR)	0.18	Crop field, growing wheat (<i>Triticum aestivum</i>) at the time of the survey.	-
61	Private Garden	0.006	A private garden which did not conform to a NVC community.	-
62	W23 <i>Ulex europaeus</i> - <i>Rubus fruticosus</i> scrub	0.01	Gorse (<i>Ulex europaeus</i>) scrub which also contains bramble (<i>Rubus fruticosus</i>), broom (<i>Cytisus scoparius</i>), sweet vernal grass, wood sorrel, rowan (<i>Sorbus aucuparia</i>), tufted hair-grass (<i>Deschampsia caespitosa</i>), silver birch (<i>Betula pendula</i>), cock's-foot (<i>Dactylus glomeratus</i>) and heath violet (<i>Viola canina</i>).	-
63	MG9 <i>Holcus lanatus</i> - <i>Deschampsia caespitosa</i> grassland	0.16	Neutral grassland comprising sweet vernal grass, soft rush, Yorkshire fog, tufted hair-grass, pignut (<i>Comipodium majus</i>), wood horsetail, glaucous sedge (<i>Carex flacca</i>), compact rush (<i>Juncus compactum</i>) and common sedge.	Yes

Survey Area ID	NVC Community	Area (ha) ¹⁹	Description	GWDTE Potential
	MG10	Point feature	Holcus-Juncus rush pasture comprising soft rush, Yorkshire fog, sweet vernal grass, common sorrel, marsh thistle (<i>Cirsium palustre</i>) and tufted vetch (<i>Vicia cracca</i>).	Yes
	W17 <i>Quercus petraea</i> - <i>Betula pubescens</i> - <i>Dicranum majus</i> woodland	0.45	Canopy species include downy birch (<i>Betula pubescens</i>), sessile oak (<i>Quercus petraea</i>) and rowan. Whilst the ground layer includes soft rush, <i>Rhytidiadelphus triquetrus</i> , sweet vernal grass, <i>Polytrichum commune</i> , tormentil (<i>Potentilla erecta</i>), cock's-foot, greater wood rush (<i>Luzula sylvatica</i>), <i>Hylocomium splendens</i> , <i>Pleurozium schreberi</i> and <i>Thuidium tamariscum</i> .	-
	W23	0.83	Gorse scrub also containing broom, bramble, heath bedstraw (<i>Gallium saxatile</i>), sweet vernal grass, tormentil and heath dog violet.	-
	Coniferous Plantation (CP)	0.04	Coniferous plantation comprising larch (<i>Larix decidua</i>) and Scots pine (<i>Pinus sylvestris</i>).	-
83	MG10	0.09	Dominated by soft rush and Yorkshire fog. Other species include bottle sedge, <i>Sphagnum squarrosum</i> , lesser spearwort (<i>Ranunculus flammula</i>) and marsh bedstraw. The habitat was subject to grazing.	Yes
84	MG10	0.20	Dominated by soft rush and Yorkshire fog. Other species include cock's-foot, creeping buttercup, broad-leaved dock, white clover, common nettle, raspberry, Timothy grass, fringed willowherb (<i>Epilobium ciliatum</i>) and soft shield fern (<i>Polystichum setiferum</i>).	Yes
85	W1 <i>Salix cinerea</i> - <i>Galium palustre</i> woodland	0.15	The canopy comprised grey willow whilst the ground layer comprised remote sedge (<i>Carex remota</i>), foxglove (<i>Digitalis purpurea</i>), pedunculate water-starwort (<i>Calitriche brutia</i>), soft shield fern, floating sweet grass (<i>Glyceria fluitans</i>), common polypody (<i>Polypodium vulgare</i>), marsh bedstraw, opposite-leaved golden-saxifrage (<i>Chrysosplenium oppositifolium</i>).	Yes
87	U20 <i>Pteridium aquilinum</i> - <i>Galium saxatile</i> community	0.19	Bracken dominated community with limited field layer, occasional bluebell, Yorkshire fog and tormentil.	-
88	MG11 <i>Festuca rubra</i> - <i>Agrostis stolonifera</i> - <i>Potentilla anserina</i> grassland / U4 <i>Festuca ovina</i> - <i>Agrostis capillaris</i> - <i>Galium saxatile</i> grassland	0.21	A mosaic on neutral and acid grassland, there is a transition into neutral species with management. Species comprised sweet vernal grass, heath bedstraw, heath wood rush, eyebright (<i>Euphrasia sp.</i>), meadow buttercup (<i>Ranunculus acris</i>), common sorrel, white clover, Yorkshire fog, tormentil and red fescue (<i>Festuca rubra</i>).	Yes
	W25	0.60	Species include bracken, Yorkshire fog, common sorrel, heath wood rush, bluebell and hawthorn.	-
89	MG10 / MG11	3.75	Comprising soft rush, Yorkshire fog, tormentil, common sorrel, sweet vernal grass and scattered gorse scrub.	Yes
	OV23 <i>Lolium perenne</i> - <i>Dactylis glomerata</i> community	0.50	Species comprise perennial ryegrass, annual meadow grass, cock's-foot and common nettle, chickweed. Scattered gorse ad Scots pine.	-
	MG11 / U4	4.50	As 88.	Yes
	U20	1.07	Area dominated by bracken.	-

Survey Area ID	NVC Community	Area (ha) ¹⁹	Description	GWDTE Potential
	W23	2.32	Gorse scrub with bramble and bracken.	-
	Track	0.27	-	-
90	Broadleaved plantation (BP)	0.005	Broadleaved plantation containing sycamore, larch and ash. The understory comprises dense snowberry (<i>Symphoricarpos albus</i>).	-
91	AGR	0.08	-	-
92	MG10	0.48	Species include soft rush, Yorkshire fog, common sorrel, sweet vernal grass, smooth meadow grass (<i>Poa pratensis</i>), crested dog's-tail, cuckoo flower, common nettle, scattered gorse, meadow foxtail (<i>Alopercuris pratensis</i>), broad-leaved dock, <i>Pleurozium schreberi</i> , cleaver and marsh thistle.	Yes
	MG11	0.69	Species include red fescue, bent grass (<i>Agrostis sp.</i>), tufted hair-grass, meadow buttercup, dandelion (<i>Taraxacum officinale</i>), smooth meadow-grass, tufted vetch, sweet vernal grass, soft rush, common sedge, marsh pennywort (<i>Hydrocotyle vulgaris</i>), silverweed and carnation sedge (<i>Carex panicea</i>).	Yes
171	MG5	0.32	Comprising Yorkshire fog, tufted hair-grass, soft rush, sheep's fescue, red fescue, bracken, purple moor grass, bluebell, raspberry, <i>Rhytidiadelphus squarrosus</i> , common sorrel, chickweed (<i>Stellaria media</i>) and perennial ryegrass (<i>Lolium perenne</i>).	-
	M6c <i>Carex echinata</i> - <i>Sphagnum recurvum/auriculatum</i> mire, <i>Juncus effusus</i> sub-community	0.04	Comprising cuckoo flower, <i>Sphagnum palustre</i> , water horsetail (<i>Equisetum fluviatile</i>) and soft rush.	Yes
	M25b <i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire, <i>Anthoxanthum odoratum</i> sub-community	0.24	Dominated by purple moor grass (<i>Molinia caerulea</i>), and also contains sweet vernal grass, t rush, tufted hair-grass, red fescue, Yorkshire fog, sheep's fescue (<i>Festuca ovina</i>), tormentil and <i>Rhytidiadelphus squarrosus</i> .	-
	U20a <i>Pteridium aquilinum</i> - <i>Galium saxatile</i> community, <i>Anthoxanthum odoratum</i> sub-community	0.02	Dominated by bracken and also contains bramble, Yorkshire fog, bluebell, foxglove and broad-leaved sorrel (<i>Furnex acetosa</i>).	-
172	MG5	0.92	As 171.	-
173	H10 <i>Calluna vulgaris</i> - <i>Erica cinerea</i> heath	0.16	Heathland comprising tormentil, heather (<i>Calluna vulgaris</i>), soft rush, blaeberry (<i>Vaccinium Myrtillus</i>), sweet vernal grass, sheep's fescue, hare's-tail cottongrass (<i>Eriophorum vaginatum</i>), common sedge, carnation sedge, cross-leaved heath (<i>Erica tetralix</i>), bog asphodel (<i>Narthecium ossifragum</i>), tufted hair-grass, purple moor grass and greater wood rush.	-

Survey Area ID	NVC Community	Area (ha) ¹⁹	Description	GWDTE Potential
	M15 <i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath	0.18	Heathland comprising common cottongrass (<i>Eriophorum angustifolium</i>), <i>Sphagnum papillosum</i> , soft rush, heather, bog asphodel, <i>Sphagnum capillifolium</i> , dwarf birch (<i>Betula nana</i>), <i>Hypnum cupressiforme</i> and wavy hair-grass (<i>Deschampsia flexuosa</i>).	Yes
	M25b	0.29	As 171.	-
	W23a <i>Ulex europaeus</i> - <i>Rubus fruticosus</i> scrub, <i>Anthoxanthum odoratum</i> sub-community	0.10	Gorse scrub with common sedge, sweet vernal grass, sheep's fescue and red fescue.	-
174	M25b	0.05	As 171.	-
	U20a	0.19	As 171.	-
	W23a	0.08	As 173.	-
266	M15	3.73	Heathland dominated by heather. Occasional to frequent species include glaucous sedge, cross-leaved heath, <i>Pleurozium schreberi</i> , deer grass (<i>Trichophorum germanicum</i>) and rare species hare's-tail cottongrass and tormentil.	Yes
	M19 <i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire	7.79	Blanket bog on flat ground comprising hare's-tail cottongrass, heather, cross-leaved heath, common cottongrass, tormentil, <i>Sphagnum papillosum</i> , <i>Sphagnum capifolium</i> and <i>Sphagnum fallax</i> .	-
	H10 / M15 / CP	3.39	A mosaic of wet and dry heath on sloping ground with self-set Scots pine throughout. Areas of dry heath include heather, lichen (<i>Cladonia sp.</i>) and <i>Pleurozium schreberi</i> . Hollows and wetter areas include cross-leaved heath, purple moor grass and hare's-tail cottongrass.	Yes
292	W23	0.001	Gorse scrub with scattered rowan, silver birch and Scots pine young trees. Ground layer comprises bracken, sweet vernal grass, tormentil, Yorkshire fog and heath milkwort (<i>Polygala serpyllifolia</i>).	-
296	MG10 / OV25	0.03	Dominated by Yorkshire fog alongside common nettle, cleaver and soft rush.	Yes
326	W18	1.36	Canopy dominated by Scots pine with frequent silver birch. Ground layer consists of wood sorrel, chickweed, red fescue, foxglove and rare rowan saplings.	-
329	W18	0.04	As 326.	-
349	W18	0.004	Further Scots pine woodland with a ground layer comprised of blueberry, sweet vernal grass, wavy hair-grass, cock's-foot, <i>Pleurozium schreberi</i> , <i>Hylocomium splendens</i> , common vervain (<i>Verbena officinalis</i>), Rhytidadelphus triquetrus, heather, heath bedstraw and bird's-foot trefoil (<i>Lotus corniculatus</i>).	-
355	H12	0.13	Heathland comprising heather, blueberry, cowberry (<i>Vaccinium vitis-idaea</i>), bracken, wavy hair-grass, <i>Hylocomium splendens</i> , <i>Pleurozium schreberi</i> and chickweed wintergreen (<i>Trientalis Europea</i>).	-

Survey Area ID	NVC Community	Area (ha) ¹⁹	Description	GWDTE Potential
	U20	0.06	Dominated by bracken.	-
363	W4	0.24	Silver birch dominated woodland with occasional rowan. Ground flora comprised wood sorrel, sweet vernal grass, heath bedstraw, field woodrush (<i>Luzula campestris</i>), chickweed wintergreen, sedge (<i>Carex sp.</i>), <i>Sphagnum fallax</i> and lichen.	Yes
	W17	0.27	Downy birch and alder woodland. Ground layer comprises heather, purple moor grass, cross-leaved heath, <i>Sphagnum fallax</i> and hare's-tail cottongrass.	-

Table 1.2: NVC Survey Results – Moray

Survey Area ID	NVC Community	Area (ha) ²⁰	Description	GWDTE Potential
376	U4	0.07	Acid grassland dominated by sweet vernal grass with occasional to frequent tormentil, <i>Rhytidiadelphus squarrosus</i> , <i>Hylocomium splendens</i> , wavy hair-grass and field wood rush. The grassland was grazed by cattle.	-
388	M2 <i>Sphagnum cuspidatum/recurvum</i> bog pool community	Point feature	Bog pools comprising <i>Sphagnum papillosum</i> , <i>Sphagnum cuspidatum</i> , round-leaved sundew (<i>Drosera rotundifolia</i>), hare's-tail cottongrass, heath rush, glaucous sedge and bog asphodel.	-
	M15	9.11	Managed heathland comprising heather, cross-leaved heath, bell heather (<i>Erica cinerea</i>), bog asphodel, deer grass, tormentil, purple moor grass, heath rush, common cottongrass and <i>Cladonia portentosa</i> .	Yes
	M19	1.22	Similar species as M15 above are present, although hare's-tail cottongrass dominates. The area is managed and results in a short sward of dwarf shrubs.	-
390	H10	1.73	Heathland comprising heather, bell heather, crowberry (<i>Empetrum nigrum</i>), common cottongrass, <i>Sphagnum capillifolium</i> , <i>Lycopodium clavatum</i> , <i>Polytrichum commune</i> , <i>Hylocomium splendens</i> , <i>Pleurozium schreberi</i> , <i>Cladonia portentosa</i> , Scots pine and purple moor grass. Juniper (<i>Juniperus communis</i>) was also recorded.	-
	M2	Point feature	Similar composition to 388.	-
	M6c	0.02	<i>Polytrichum commune</i> dominated mire, on disturbed ground. Species comprise soft rush, heath rush, tormentil and common sedge.	Yes
	M15	0.05	Similar composition to 388.	Yes

²⁰ Where NVC communities have been mapped as a polygon the resulting area has been rounded to two decimal places, with the exception of areas that are smaller than 0.01 ha and would otherwise show as 0.00 ha.

Survey Area ID	NVC Community	Area (ha) ²⁰	Description	GWDTE Potential
	M19	0.18	Similar composition to 388. This area is drying out and transitioning towards M15 heath.	-
	M19a <i>Calluna vulgaris</i> - <i>Eriophorum vaginatum</i> blanket mire, <i>Erica tetralix</i> sub-community	0.63	Blanket mire comprised of hare's-tail cottongrass, heather, cross-leaved heath, <i>Cladonia portentosa</i> , <i>Sphagnum capillifolium</i> and <i>Sphagnum papillosum</i> .	-
	W18d <i>Pinus sylvestris</i> - <i>Hylocomium splendens</i> woodland, <i>Sphagnum capillifolium/quincefarium</i> - <i>Erica tetralix</i> sub-community	0.02	Disturbed ground with planted Scots pine. Ground vegetation comprises heather, hare's-tail cottongrass, common cottongrass, cross-leaved heath, <i>Sphagnum capillifolium</i> , <i>Rhytidiadelphus triquetrus</i> and <i>Sphagnum palustre</i> .	-
392	MG10	0.75	Species comprise creeping buttercup, cuckoo flower, cock's-foot, germander speedwell, common mouse ear, creeping thistle, Yorkshire fog, yarrow, annual meadow grass (<i>Poa annua</i>), soft rush, broad-leaved dock and bent grass.	Yes
	U20	0.08	Bracken with grassland understory.	-
405 408	MG10	0.54	Species include sweet vernal grass, crested dog's-tail, tormentil, common daisy (<i>Bellis perennis</i>), cuckoo flower, common sedge and ribwort plantain.	Yes
	W23a	0.48	Gorse scrub with grassland ground layer, including Yorkshire fog, soft rush, smooth meadow-grass and dandelion.	-
409	MG6	21.44	Creeping buttercup, common sorrel, white clover, dandelion, smooth meadow-grass, false oat-grass (<i>Arrhenatherum elatius</i>), cock's-foot, chickweed and germander speedwell.	-
	W11	0.007	Riparian woodland which aligns with the W11 community.	-
	W9	0.58	Canopy species include ash, downy birch, sessile oak, bird cherry and rowan. The ground layer comprises grassland species.	-
410	MG10	0.15	Sweet vernal grass, tormentil, crested dog's-tail, cuckoo flower, common sedge, common daisy and ribwort plantain.	Yes
	W23a	0.23	As 408.	-
	Hardstanding	0.05	-	-
412	MG10	0.04	As 410.	Yes
	Hardstanding	0.07	-	-
414	M25	0.12	Dominated by purple moor grass. As well as soft rush, sweet vernal grass, tormentil and extensive gorse.	-
	MG6	1.26	As 409.	-
	MG10	3.21	As 410.	Yes

Survey Area ID	NVC Community	Area (ha) ²⁰	Description	GWDTE Potential
	W23a	1.44	As 405, 408.	-
415	MG6	9.92	As 414.	-
	MG10	1.16	As 414.	Yes
418	M25	0.42	As 414.	-
	MG10	2.44	As 414.	Yes
421	M19	0.21	The blanket mire is well grazed. Species include butterwort (<i>Pinguicula vulgaris</i>), bog asphodel, hare's-tail cottongrass, common cottongrass, dwarf birch, blaeberry and common lousewort (<i>Pedicularis sylvatica</i>).	-
	MG10	1.79	As 414.	Yes
	MG6	4.45	As 414.	-
	U4 / M8	0.28	Comprising purple moor grass, heath rush, soft rush, common bent (<i>Agrostis capillaris</i>), tufted hair-grass, red fescue, sheep's fescue, marsh thistle, sweet vernal grass, tormentil, Yorkshire fog, yarrow and marsh marigold (<i>Caltha palentris</i>).	Yes
	W23a	0.15	As 414.	-
422 423 424	CP	0.22	Scots pine plantation woodland.	-
425	M19	4.87	As 421.	-
	MG10	0.93	As 414.	Yes
428	M19	6.74	As 421.	-
	MG10	2.95	As 414.	Yes
449	M15	14.58	Sweet vernal grass, heather, purple moor grass and cross-leaved heath. Scattered Sitka spruce from nearby plantation.	Yes
	M15a <i>Scirpus cespitosus</i> - <i>Erica tetralix</i> wet heath, <i>Carex panicea</i> sub-community	1.98		
	M19	2.44	Blanket mire comprising heather, deer grass, tormentil, sweet vernal grass, bell heather, hare's-tail cottongrass, heath rush, purple moor grass and locally abundant <i>Sphagnum capillifolium</i> .	-
	M23	0.05	Rush dominated M23 mire along water courses.	Yes

Survey Area ID	NVC Community	Area (ha) ²⁰	Description	GWDTE Potential
	MG10	20.75	Soft rush, sweet vernal rush, annual meadow grass, cuckoo flower, crested dog's-tail, Yorkshire fog, white clover, nettle, common wood rush and smooth meadow grass.	Yes
	Track	0.27	-	-
464	M19	44.64	Blanket mire comprising heather, blaeberry, sedges, hare's-tail cottongrass, hard fern (<i>Blechnum spicant</i>), matgrass (<i>Nardus stricta</i>), wavy hair grass, heath rush, Sphagnum capillifolium, deer grass, lichen, common cottongrass and bog asphodel. The blanket mire is degraded and drying out with drainage channels throughout.	-
476	MG6	3.20	Dominated by Yorkshire fog and sweet vernal grass. Perennial rye grass and crested dog's-tail and red fescue frequent. Soft rush locally abundant.	-
	MG9	2.35	Yorkshire fog dominated grassland alongside soft rush, bent grass, ref fescue and tufted hair-grass.	Yes
478	MG9	7.42	Dominated by soft rush, compact rush and tufted hair-grass. Other species include gorse, bent grass, common sorrel, Pleurozium schreberi, cock's-foot, hairy bittercress (<i>Cardamine hirsuta</i>), common sedge, heath bedstraw and red fescue.	Yes
	CP	0.23	-	-
517	H10 / M17 <i>Scirpus cespitosus</i> - <i>Eriophorum vaginatum</i> blanket mire / CP	37.91	An area of heathland and blanket bog mosaic which has been planted with coniferous trees and has scattered gorse. Drainage channels with clear running water present. Species include heather, cross-leaved heath, <i>Hylocomium splendens</i> , crowberry, soft rush, bent grass, hard fern, heath violet and <i>Sphagnum cuspadatum</i> .	-
	M19 / CP	2.12	Comprising heather, deer grass, lichen, <i>Sphagnum sp.</i> , hare's-tail cottongrass, cross-leaved heath, bog asphodel, <i>Sphagnum cuspadatum</i> , <i>Sphagnum fallax</i> and <i>Sphagnum capillifolium</i> . The blanket mire has been planted with coniferous species.	-
	Track	0.54	-	-
530	MG9 / W23	0.10	Gorse scrub surrounded by grassland comprising Yorkshire fog, cock's-foot, creeping bent (<i>Agrostis stolonifera</i>), false oat grass and bracken.	Yes
538	MG6	7.63	Largely dominated by Yorkshire fog, crested dog's-tail, sweet vernal grass, creeping buttercup, perennial ryegrass and creeping bent.	-
	W23	0.29	Dense gorse scrub.	-
542	W18	4.67	Scots pine woodland. Understorey predominantly grasses comprising common bent, tufted hair-grass, crested dog's-tail, cock's-foot, soft rush, wood sorrel, wood anemone (<i>Anemonoides nemorosa</i>), common nettle, sweet vernal grass, sheep's sorrel (<i>Rumex acetosella</i>) and <i>Polytrichum commune</i> .	-
546	AGR	0.0833	-	-

Survey Area ID	NVC Community	Area (ha) ²⁰	Description	GWDTE Potential
550	MG1	0.559	Dominated by Yorkshire fog and cock's-foot. As well as meadow grass (<i>Poa sp.</i>), red fescue, timothy grass, white clover and common vetch.	-
556	S28	Point feature	Reed canary grass dominated with osier willow (<i>Salix viminalis</i>) and tufted hair-grass.	-
	W6	3.18	Alder and Scots pine woodland with the following understorey great wood rush, green alkanet (<i>Pentaglottis sempervirens</i>), hairy brome (<i>Bromus ramosus</i>), ground elder (<i>Aegopodium podagraria</i>) and comfrey (<i>Symphytum sp.</i>). The following Invasive Non-Native Species (INNS) were also recorded in the understorey Japanese knotweed (<i>Reynoutria japonica</i>), Himalayan balsam (<i>Impatiens glandulifera</i>) and giant hogweed (<i>Heracleum mantegazzianum</i>).	Yes
559 560 561	H12	2.09	Heather dominated heathland alongside blaeberry, <i>Sphagnum capillifolium</i> , <i>Sphagnum fallax</i> and <i>Hylocomium splendens</i> . Scattered birch, Sitka spruce and Scots pine saplings.	-
569	MG7	0.13	Grassland comprising perennial ryegrass, buttercup, white clover, creeping thistle, annual meadow grass and cow parsley.	-
	MG10	5.12	Grassland comprising soft rush, cow parsley, Yorkshire fog, creeping buttercup, meadow buttercup, cock's-foot, common mouse-ear, perennial ryegrass, annual meadow grass, broad-leaved dock and common daisy.	Yes
575	M23b <i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture, <i>Juncus effusus</i> sub-community	0.46	Rosebay willowherb, soft rush, bittercress, wild angelica (<i>Angelica sylvestris</i>), marsh thistle, broad-leaved dock, common nettle, meadow buttercup, marsh bedstraw, meadowsweet (<i>Filipendula ulmaria</i>), heath rush and cuckoo flower.	Yes
	MG10	6.00	Dominated by Yorkshire fog and soft rush. Other species include cow parsley, cleavers, creeping thistle, cock's-foot, meadow buttercup, creeping buttercup, common nettle, common sorrel, meadow vetchling, tufted hair-grass, broad-leaved dock and meadowsweet.	Yes
	OV25	0.12	Nettle dominated community.	-
576	M23	5.39	Soft rush is abundant in this community with frequent to occasional crested dog's-tail, Yorkshire fog, common daisy, creeping buttercup, meadow buttercup, white clover, broad-leaved dock, compact rush, sweet vernal grass, common mouse-ear, perennial ryegrass, cock's-foot, common ragwort (<i>Senecio jacobaea</i>), red clover (<i>Trifolium pratense</i>) and bent grass. Common nettle and sedges were locally frequent.	Yes
577	MG6	2.15	Dominated by perennial ryegrass and Yorkshire fog. Other species include soft rush, white clover, creeping buttercup, broad-leaved dock, cock's-foot, creeping thistle, spear thistle, daisy, pignut and sweet vernal grass.	-

Survey Area ID	NVC Community	Area (ha) ²⁰	Description	GWDTE Potential
	W9	0.03	The woodland canopy comprises ash, hazel, hawthorn, willow (<i>Salix sp.</i>) and elder (<i>Sambucus nigra</i>). Ground flora dominated by rosebay willowherb, comfrey, nettle, common hogweed, cleaver, wild garlic (<i>Allium ursinum</i>) and lesser celandine (<i>Ficaria verna</i>).	-
581	MG1	1.78	Cow parsley, common mouse-ear, broad-leaved dock, buttercup, field horsetail, cock's-foot, white clover, creeping thistle, Yorkshire fog, sweet vernal grass and perennial ryegrass. No access was taken to this parcel, assessed from the roadside.	-
	AGR	0.33	-	-
584	Track / Ditch	0.18	-	-

Table 1.3: NVC Survey Results – Aberdeenshire

Survey Area ID	NVC Community	Area (ha) ²¹	Description	GWDTE Potential
602	S28	0.88	Dominated meadow foxtail, water forget-me-not (<i>Myosotis scorpioides</i>), field forget-me-not (<i>Myosotis arvensis</i>), cuckoo flower, meadow buttercup, reed canary-grass, meadow vetchling, cock's-foot, creeping buttercup, common mouse-ear, common sorrel, red campion, wild angelica, marsh horsetail, meadowsweet, white clover, orchid (<i>Dactylorhiza sp.</i>), march thistle and soft rush.	-
	BP	0.05	Canopy comprised sessile oak and ash. The woodland did not conform to a NVC community.	-
	CP	0.18	-	-
605	MG10	0.0007	Dominated by Yorkshire fog, soft rush, creeping buttercup broad-leaved dock and common nettle.	Yes
635	MG1	1.63	Dominant species include Yorkshire fog and cock's-foot. Other species include creeping buttercup, broad-leaved dock, meadow vetchling, dandelion, ribwort plantain, perennial ryegrass, spear thistle, common sorrel, common mouse ear and white clover.	-
640	MG1	2.30	Dominant species include barren brome (<i>Bromus sterilis</i>), Yorkshire fog and false oat grass. Other species include cock's-foot, common bent, timothy grass, common hogweed, cleaver, broad-leaved dock, dandelion and soft rush.	-
	MG9	1.26	Dominated by Yorkshire fog, common bent and red fescue. Other species include tufted hair-grass, common nettle, meadow foxtail, red fescue, common bent and tufted hair-grass.	Yes
	OV27 <i>Epilobium angustifolium</i> community	0.16	Dominated by Yorkshire fog with frequent rosebay willowherb, common nettle, common hogweed, broom, gorse, hawthorn, cleavers and creeping buttercup.	-
	BP	0.30	Broadleaved plantation which does not conform to a NVC community.	-
	AGR / W23 / OV27	1.19	Dominated by cock's-foot and common bent. Abundant to frequent common hogweed, wild angelica, lesser celandine, dog violet and dandelion. Rare pignut, meadow vetchling, dog rose, elder, willow and broad-leaved dock.	-
	AGR	0.87	-	-
	Private Garden	0.06	A private garden which did not conform to a NVC community.	-

²¹ Where NVC communities have been mapped as a polygon the resulting area has been rounded to two decimal places, with the exception of areas that are smaller than 0.01 ha and would otherwise show as 0.00 ha.