

Appendix 11.1

Water Features Survey

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1 Introduction

- 1.1.1 The Water Features Survey is a baseline study that identifies key water features that may be affected by the Proposed Scheme for Project 9, Crubenmore to Kincaig. The format of the Water Features Survey comprises a schedule and a plan. The schedule (**Section 4**) lists key information about each feature in **Drawings 11.1 – 11.12 in Volume 3** (i.e. the Plan). This information is used to inform the Design Manual for Roads and Bridges (DMRB) Stage 3 Environmental Impact Assessment (EIA).

2 Approach and Methods

Study Area

- 2.1.2 A 1km-wide corridor, notionally 500m to the east and west of the existing A9, was defined as the study area for assessment of potential Road Drainage and Water Environment impacts. As the River Truim and River Spey act as hydrological barriers, it is unlikely the Proposed Scheme will have an impact on water features beyond their opposite banks (i.e. left bank looking downstream) from the A9. Therefore, the study area has been refined for DMRB Stage 3 based upon the following selection criteria:
- Hydrological features shown on a 1:10,000 Ordnance Survey (OS) map, and identified in more detail on the Blom topographical survey, have been delineated by a 500m offset upstream of the existing A9 corridor and the left banks (looking downstream) of the River Truim and River Spey (north of the Spey crossing, the study area extent shifts to the right bank (looking downstream) of the River Spey). The nominal distance has been extended in cases where there are significant hydrological features that may potentially be affected by the Proposed Scheme. This has been defined as the 'DMRB3 Wider Study Area'
 - An overview of the permanent and temporary works assessment boundaries applied in the assessment of the Proposed Scheme is provided in **Drawings 5.1 to 5.12 of Volume 3**. In it, a red line boundary is delineated around the DMRB Stage 3 infrastructure design, including all mainline, junction and drainage infrastructure, and watercourse diversions. This red line represents the 'Permanent Works' assessment boundary and includes the 5m offset from the design extents. Outwith the red line, a green line is shown in a number of areas; these have been considered as areas required to enable construction activities and are considered as the 'Temporary Works' assessment boundary. For the purposes of this chapter, this has been defined as the 'DMRB3 Detailed Study Area'
- 2.1.3 All key water features within this study area were identified, categorised and individually labelled as: major watercourse, minor watercourse, loch, pond, abstractions, and discharges.
- 2.1.4 The study area is shown in the **Water Features Plans, Drawings 11.1 to 11.12 in Volume 3**. For hydrological analysis of watercourses crossed by the Proposed Scheme, full catchment areas were considered beyond the outlined study area where applicable, as shown in **Catchment Drawing 11.13 in Volume 3**.
- 2.1.5 In addition to numerous waterbodies and functional floodplains, in particular the River Spey, that constrain Project 9, there are a number of other environmental and cultural heritage constraints (discussed in greater detail in **Chapters 12 and 15**, respectively) identified within the Proposed Scheme extent. These include:

- River Spey – Insh Marshes Ramsar site
- River Spey – Insh Marshes Special Protection Area (SPA)
- Insh Marshes Special Area of Conservation (SAC)
- River Spey SAC
- River Spey – Insh Marshes Site of Special Scientific Interest (SSSI)
- River Spey SSSI
- Insh Marshes National Nature Reserve (NNR)
- Cairngorms National Park (CNP)
- Ancient Woodland
- Ruthven Barracks Scheduled Monument and A Listed Building
- Raitts Cave Souterrain, Lynchat – Scheduled Monument
- Complex of B and C Listed Buildings at Balavil and Meadowside

2.1.6 Significant engineering constraints are also located within close proximity to the project extents, and include:

- Highland Mainline (HML) railway, running to the west of the A9 between Crubenmore and Kingussie and, after crossing underneath the A9, continuing east of the road towards Kincaig
- National Cycle Network route 7 (NCN7), which runs to the west of the A9 before crossing to the east at Kingussie
- The B9152 local road which is located to the east of the mainline in the area north of Kingussie
- The Highland Wildlife Park at the northern end of the scheme
- Properties and estates

Scoping Out

2.1.7 Within the Project 9 extent there are numerous existing earthworks ditches, watercourse diversions, and several minor field or road drainage ditches which do not cross the existing A9, but run parallel to the road corridor. These will likely be enveloped by the widened road corridor, however, as they are man-made and do not exhibit significant hydrological/ ecological value to the water environment (and will be replaced by a new drainage layout), they are not assessed further (i.e. are not subject to a pre- and post-mitigation assessment).

Reference Numbering

2.1.8 Watercourses were classified as 'Major' or 'Minor' using the following criteria:

- Major Watercourse: Shown on OS 1:50,000 scale 'vector' maps
- Minor Watercourse: Shown on OS 1:10,000 scale maps or identified on Blom topographical survey and site walkovers

2.1.9 Minor watercourses include field drainage and existing road earthwork drains which have been identified from topographical surveys and review of Transport Scotland records. All watercourses which cross the existing A9 (i.e. via bridges and culverts) have been assigned a 'Hydro ID'.

2.1.10 Each water feature has been given a unique label reference number. They have been assigned using letters referring to the feature type and a number. The letters used for each type of feature and the methods of identification are shown in **Table 1**.

Table 1: Water Feature Numbering

Water Feature	Reference Number	Source of Information*
Major Watercourse	MW	OS Maps 1:50,000 Water Environment Hub SNH Interactive Map SEPA Flood Maps
Minor Watercourse	W	OS Maps 1:10,000 Water Environment Hub. SNH Interactive Map SEPA Flood Maps Blom survey and site walkovers Transport Scotland/ BEAR records
Pond	P	OS Maps Aerial Photographs
Abstraction	ABS	Spreadsheets received from The Highland Council and the Scottish Environment Protection Agency (SEPA)
Discharge	DISC	Spreadsheets received from The Highland Council and SEPA
Constructed Feature (e.g. dam/ impoundment)	D	OS Maps Aerial Photographs Spreadsheets received from (SEPA)

*Hyperlinks to relevant sites are contained within the References section of Chapter 11

Watercourse – Key Information

- 2.1.11 For each of the watercourses the following was noted; flood risk associated with the watercourse, water quality status, and national/ international designations.
- 2.1.12 Baseline flood risk of the watercourse was assessed using hydrological and hydraulic modelling results for the 1 in 200-year flood event. Input to the hydraulic and hydrological modelling is more locally detailed than that of the SEPA Flood Maps (2014). In particular, the model has been able to use a higher resolution in areas informing the ground model (further information on the modelling approach is provided in **Appendix 11.3**).
- 2.1.13 Where available, the surface water quality status for watercourses was obtained using River Basin Management Plans (RBMPs) provided by SEPA for 2016. Surface water bodies are classified using five quality classes: High, Good, Moderate, Poor and Bad. The classification describes by how much a waterbody differs from near natural conditions. The water features schedule (**Table 9**) notes the overall status; however, the majority of the smaller watercourses within the Project 9 extent do not have individual RBMP classifications. Any national and international designations for each watercourse are also provided.

Groundwater

- 2.1.14 The water quality status for groundwater bodies is based on available groundwater vulnerability data and private water supply information. The groundwater vulnerability scores groundwater bodies into relative classes of Very High (Class 5), High (Class 4), Moderate (Classes 3- 2) and Low (Classes 1-0) vulnerability. The vulnerability classification is derived from geological and hydraulic characteristics of aquifers and overlying material to indicate the relative risk to groundwater from contamination.

Ponds

- 2.1.15 Ponds were identified using the OS 1:10,000 maps. These were unnamed areas of standing water not identified as reservoirs. Aerial photographs were used to confirm whether the ponds identified on the mapping were ponds or part of a structure.

Abstractions and Private Water Supplies (PWS)

- 2.1.16 Information on abstractions was obtained from SEPA and The Highland Council (THC). Private water supply information was obtained from THC and via householder questionnaires (**Appendix 10.3, Volume 2**). SEPA hold data on abstractions that have required a Controlled Activities Regulations (CAR) licence.

Discharges

- 2.1.17 Information on discharges was obtained from SEPA and THC. SEPA hold data for licensed surface water discharges. Information was also obtained on septic tanks and combined sewer overflows (CSOs) and outfalls.

Constructed Features

- 2.1.18 Constructed features include dams and reservoirs. These were primarily identified using OS mapping, however, information on licenced impoundments and abstractions for hydropower generation has also been received from SEPA.

Baseline Sensitivities/ Importance Values Key

- 2.1.19 Potential impacts of the Proposed Scheme on the water features identified in the survey process are provided within the main body text of **Chapter 11**. The schedule (**Table 9**) contains baseline sensitivity values for each of those water features that have been subject to the environmental assessment. Those that have been scoped out are also included in the schedule; however, these have not been assigned sensitivity values. Justification for scoping out particular water features is also provided within the schedule.

3 Baseline Conditions

Introduction

- 3.1.1 Baseline conditions are the current environmental state of the water features within the study area between Crubenmore and Kincaig prior to the construction and operation of the Proposed Scheme. Sensitive receptors are noted within the baseline assessment as they are considered to be determining factors of the existing water environment that may potentially be affected by, or affect, the Proposed Scheme.
- 3.1.2 The Water Framework Directive (WFD) aims to improve and protect the water environment. Future targets include:
- prevent deterioration and enhance status of aquatic ecosystems, including groundwater
 - promote sustainable water use
 - reduce pollution
 - contributing to the mitigation of floods and droughts

- 3.1.3 River Basin Management Plans (RBMPs) were produced as a requirement of the WFD by which statutory objectives, based on ecological assessments and economic judgments, are set for Scottish waters, and cover all types of water bodies (such as rivers, lochs, lakes, estuaries, coastal waters and groundwater), including:
- the current condition of our water bodies
 - where current or historic activities are reducing the quality of the water bodies
 - actions required to ensure our designated waters of special value (for example, drinking waters, shellfish waters, bathing waters, and waters designated for their plants and animals) are up to required standards
 - actions needed to deliver environmental improvements over the next six years, and longer, to 2027

3.1.4 The existing RBMP information provides current WFD water quality classification status, existing anthropogenic pressures, and any improvement measures identified within the study area.

3.1.5 The baseline information/ classifications are used to ensure the Proposed Scheme would not have a deleterious/ detrimental effect on the WFD status of watercourses within Project 9, and where applicable, demonstrate that betterment can be provided comparative to the existing A9 single carriageway.

River Truim (MW 8.1)

3.1.6 The River Truim is a major right bank tributary of the River Spey, draining the western edges of the Cairngorms (located within the Cairngorms National Park) with a catchment area of 125km², as shown in **Drawings 11.1 (Volume 3)**. Its headwaters are situated in the Pass of Drumochter, approximately 8km south of Dalwhinnie. It flows adjacent to Project 9 from south of Bridge of Truim to its confluence with the River Spey approximately 1.8km further downstream.

Water Quality

3.1.7 The River Truim is designated as part of the River Spey (SAC) for its populations of Atlantic salmon (*Salmo salar*) (the Truim is noted as important for its salmonid smolt production), otter (*Lutra lutra*) as well as sea lamprey (*Petromyzon marinus*) and freshwater pearl mussel (*Margaritifera margaritifera*). Although no evidence of the two latter species has been determined in the Project 9 extents of the River Truim, their presence is assumed for conservative assessment purposes, and are discussed further in **Chapter 12**.

3.1.8 The WFD classification for the River Truim – ‘lower catchment’ is relevant for Project 9 and is classified (2016) as ‘heavily modified’, overall status – **Moderate ecological potential with medium confidence**

- | | |
|----------------------------------|-----------------------------------------|
| • Pre-HMWB status – Moderate | • Morphology – Good |
| • Overall ecology – Moderate | • Overall hydrology – Moderate |
| • Biological elements – Moderate | • Modelled hydrology – Poor |
| • Fish – Moderate | • Hydrology (medium/ high flows) – Poor |
| • Fish ecology – Moderate | • Hydrology (low flows) – Poor |
| • Fish barrier – High | |
| • Hydromorphology – Moderate | |

- 3.1.9 Existing anthropogenic pressures have been identified which result in the failure of the River Truim meeting ‘good’ ecological status, these are; ‘*abstraction*’ and ‘*morphological alterations for production of renewable electricity*’. Measures to protect or improve the water environment from these pressures include; ‘*control pattern/ timing of abstraction (hands off flow/ utilisation of storage (new/ existing)*’, and ‘*removal of barriers or provision of mechanisms to enable fish migration*’.
- 3.1.10 SEPA WFD classification for *Upper Spey Sands and Gravel* is determined as ‘Good’. BGS data for this section of the Truim indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity has been assigned.
- 3.1.11 Three discharges and one abstraction are identified in the vicinity of the River Truim within the Project 9 extent (shown on **Drawing 11.1** in **Volume 3**); Glen Truim House (DISC 9.1) and Coach House (DISC 9.2) 130m from the Truim, and Truimbridge Cottage (DISC 9.3) 12m from the Truim (all noted as septic tank effluent (STE) to soakaways). Abstraction ABS9.2 is located approximately 15m from the River Truim. Overall, the watercourse has been assessed as having a **Very High** sensitivity value for water quality due to the various factors described above.

Hydromorphology

- 3.1.12 The hydromorphological processes of the River Truim and its tributaries are considered as part of the wider River Spey catchment. Its headwaters are situated at an elevation of 450 metres above ordnance datum (mAOD), draining the steep valley sides to the east and west, flowing in a north-easterly direction for a distance of approximately 22km to the confluence with the Spey at 250mAOD.
- 3.1.13 The geology of the Truim catchment is dominated by metamorphic bedrock, with much of the superficial geology comprised of glacial till and alluvium. For long stretches where the floodplains are flat and wide, the gentle gradient and glacio-fluvial sediment supply has resulted in a sinuous river planform.
- 3.1.14 Downstream the river has cut into the bedrock creating the Falls of Truim. Heather acid grassland, bog and rough grassland dominate the land cover of the Glen Truim valley. There are small sections of improved grassland situated on its banks by the villages of Dalwhinnie, Invertruim and Crubenbeg, with areas of coniferous woodland in the lower reaches.
- 3.1.15 Morphological pressure information has been provided by SEPA. Those identified on the River Truim within Project 9 are:
- Bridge of Truim (ch. 40,350)
 - Green bank reinforcement (60m) (ch. 40,560 to 40,620)
- 3.1.16 Coarse sediment dynamic information has been provided by SEPA for the River Truim. The dominant sediment regime for the reaches within Project 9 are summarised in **Table 2**.

Table 2: Dominant sediment regime for River Truim at discrete locations in Project 9

Dominant sediment regime	Location by chainage (ch.)
Moderate erosion on River Truim	40,300 to 40,450
Moderate deposition on River Truim	40,450 to 41,050
Balance	40,000 to 40,300; 41,050 to 41,250

- 3.1.17 The gentler gradients of the wider valley floors result in lower energy flows and subsequent deposition of this coarse material; this has been noted by channel narrowing at confluences with the River Spey. The watercourses within the catchment retain gravel-bed channels due to continued lateral migration; working into the glacial deposits, transporting and depositing materials exhibited by sinuous meandering and braided planforms. Therefore, a **High** hydromorphological sensitivity value has been assigned.

Hydrology and Flood Risk

- 3.1.18 Modifications within the catchment that may impact on the natural hydrology of the River Truim include a dam on the Truim upstream of Dalwhinnie and transfer from the Allt Cuaich to Loch Erich via the aqueduct, both part of the SSE Tummel Hydro Scheme upstream of Project 9. Several other tributaries are also known to feed into the aqueduct via overflow or dams.
- 3.1.19 Flooding of the River Truim impacts on receptors including residential and non-residential properties, though none are located within the Project 9 extent. Along the Project 9 extent, the Truim is located at least 160m away and 25m lower than the existing A9 and does not present any flood risk; therefore, a **Low** sensitivity value is assigned.

River Spey (MW9.1/ Hydro ID 152)

- 3.1.20 The River Spey is the dominant watercourse within the Project 9 extent, as shown in **Drawings 11.2 to 11.12 (Volume 3)**. It flows for 157km from its source in the Monadhliath Mountains to the Moray Firth with a catchment area of over 3,000km². Two thirds (67%) of the catchment falls within the Cairngorms National Park and just over half (53%) of the National Park area lies within the River Spey catchment. From source to the northern extent of Project 9 at Insh Marshes, the Spey has a catchment of approximately 850km².

Water Quality

- 3.1.21 The River Spey is designated as an environmentally protected site for aquatic species at international and national level. These are the River Spey SAC, SPA, and SSSI; the River Spey-Insh Marshes SAC, SPA, SSSI, and Ramsar site. The River Spey SAC for species including Atlantic salmon, otter, sea lamprey and freshwater pearl mussel which are susceptible to changes in the sediment regime, channel morphology and fluvial processes of the river. Sea lamprey and freshwater pearl mussel are also qualifying features of the River Spey SAC.
- 3.1.22 The WFD classification for the River Spey – Spey Dam to Loch Insh has been classified (2016) as having overall status – **Good ecological potential**
- Pre-HMWB – Moderate
 - Overall ecology – Moderate
 - Biological elements – Good
 - Fish – Good
 - Fish ecology – Good
 - Fish barrier – High
 - Hydromorphology – Moderate
 - Morphology – Good

- Overall hydrology – Moderate
- Modelled hydrology – Poor
- Hydrology (medium/high flows) – Poor
- Hydrology (low flows) – High

3.1.23 A total of 10 of licenced discharges, the majority of which are septic tank effluent (STE) to soakaway or to ground, are identified in the vicinity (within 200m) of the River Spey within the Project 9 extent. These include:

- Invermore Lodge (Ralia), STE to Land (DISC 9.7), 155m south of Spey at ch. 43,400 (**Drawing 11.3**)
- Poll Creagan, STE to soakaway (DISC 9.9), 72m east of the Spey (at approx. mainline ch. 43,650) (**Drawing 11.3**)
- Glens View, STE to land (DISC 9.8), 146m east of the Spey (at approx. mainline ch. 43,750) (**Drawing 11.3**)
- Ralia Lodge, STE to Soakaway (DISC 9.10), 190m south of the Spey at ch. 43,900 (**Drawing 11.3**)
- Head keepers House Ralia, STE to Soakaway (DISC 9.11), 150m south of the Spey at ch. 43,950 (**Drawing 11.3**)
- Milton Lodge, STE to Soakaway (DISC 9.12), 75m south of the Spey at ch. 44,000 (**Drawing 11.3**)
- Inverton, STE to Soakaway (DISC 9.18), 150m south of the Spey at ch. 47,600 (also 75m west of Burn of Inverton) (**Drawing 11.5**)
- The Dell Shinty Pitch, STE to U/T of River Spey, (DISC 9.19), 190m north of the Spey at ch. 49,100 (**Drawing 11.6**)
- Kingussie Waste Water Treatment Plant (WWTP) Sewage (Public) Combined Sewer Overflow (CSO) (DISC 9.24), 175m north of the Spey (at approx. mainline ch. 50,100) (**Drawing 11.7**)
- Kingussie STW, foul effluent (FE) to River Spey Sewage (Public) Secondary Sewage (Public) Emergency Overflow (EO) (DISC 9.22), 10m from the left bank of the Spey at ch. 50,100 (**Drawing 11.7**)

3.1.24 Overall, the watercourse has been assessed as having a **Very High** sensitivity value for water quality due to the various factors described above.

Hydromorphology

3.1.25 Many of the River Spey tributaries have sources in the steeper upper catchment within the Cairngorms. These watercourses are capable of generating high energy flows and introduce large volumes of coarse sediment, comprised of bedrock and fluvio-glacial deposits, into the main channel. The gentler gradients of the wider valley floors result in lower energy flows and subsequent deposition of this coarse material; this has been noted by channel narrowing at confluences with the River Spey.

3.1.26 The river has an actively meandering planform and is working into a floodplain which is comprised of fluvio-glacial deposits (alluvium - clay, silt and sand, and till). Mid-channel and lateral gravel bars are evident throughout the river reaches, many with fully established vegetation cover. The river has retained a gravel-bed channel due to this continued lateral

migration working into the glacial deposits, transporting and depositing materials exhibited by sinuous meandering and braided planforms.

- 3.1.27 Aerial photography and historic mapping indicates numerous meander cut-offs and abandoned channels; within Project 9 this is notable around Ballochbuie Island east of the A9 Spey crossing at Kingussie. Right-hand bank undercutting into agricultural land is noted west of the Spey crossing as the river approaches the existing bridge. Deposition of material ranging from pebble to boulder is evident on the floodplain beneath the crossing. Bank protection has been implemented with stone gabions on the left bank below the bridge.
- 3.1.28 Modifications within the catchment that may impact on the natural flow and sediment dynamics of the River Spey include existing bridges and culverts, as well as several dams part of the SSE Tummel Hydro Scheme operating in the upper catchment i.e. on the Tromie and Truim, and at Spey Dam. Evidence suggests that overall, the channel is narrowing, and that this adjustment may be a response to the regulation of flows for hydro-power generation.
- 3.1.29 The existing A9 crossing of the River Spey restricts natural geomorphological processes, fixing the position of the existing banks and also resulted in scouring of existing bridge piers. Information on existing morphological pressures has been provided by SEPA. Those identified on the River Spey within the Project 9 extent are outlined in **Table 3** with an approximate mainline chainage for reference.

Table 3: Existing Morphological Pressures on the River Spey

Morphological pressures	Location by approximate mainline chainage (ch.)
Section of left bank embankment without reinforcement	49m of embankment from ch. 43,050 91m of embankment from ch. 44,100 240m of embankment from ch. 49,000 1064m of embankment from ch. 52,200 1800m of embankment from ch. 53,350 795m of embankment from ch. 54,600 650m of embankment from ch. 56,300
Section of right bank embankment without reinforcement	190m of embankment from ch. 44,650 121m of embankment from ch. 47,700 2181m of embankment from ch. 53,200 1533m of embankment from ch. 55,600
Existing grey bank protection (left bank)	50m of embankment from ch. 44,800
Ruthven Bridge	ch. 49,250
Left bank outfall	ch. 50,200
Spey bridge (ch. 50,200)	ch. 50,200

- 3.1.30 Existing dominant sediment regimes have also been identified by SEPA at discrete locations along the length of the River Spey. Those identified within the Project 9 extent are outlined in **Table 4** with an approximate mainline chainage for reference.

Table 4: Dominant sediment regime for River Spey at discrete locations in Project 9

Dominant sediment regime	Location by approximate mainline chainage (ch.)
High erosion on River Spey	ch.47,300 to ch.48,200 ch.48,500 to ch.48,600 ch.48,650 to ch.48,750
High deposition on River Spey	ch.42,100 to ch.42,700 ch.43,750 to ch.43,950 ch.48,450 to ch.48,500 ch.48,600 to ch.48,650 ch.49,600 to ch.50,200 ch.52,600 to ch.54,300
Moderate erosion on River Spey	ch.42,700 to ch.43,700 ch.43,950 to ch.44,000 ch.49,020 to ch.49,550
Moderate deposition on River Spey	ch.44,000 to ch.45,000 ch.48,750 to ch.49,020
Balance	ch.45,000 to ch.45,650 ch.48,200 to ch.48,450 ch.49,550 to ch.49,600 ch.50,200 to ch.52,250 ch.54,300 to ch.59,950

3.1.31 Overall, a **Very High** sensitivity value has been assigned for hydromorphology of the River Spey.

Hydrology and Flood Risk

3.1.32 Flooding of the River Spey impacts on receptors including residential and non-residential properties, and agricultural land, particularly within the immediate area of Newtonmore and Kingussie.

3.1.33 The risks to Newtonmore and Kingussie, as receptors of flooding, are assessed (using the SEPA Flood Maps) within SEPA Potentially Vulnerable Area (PVA) factsheets PVA 05/13 and PVA 05/12, respectively. These are summarised below:

- PVA 05/13 covers approximately 6km² and includes Newtonmore and surrounding rural area. The main watercourse in the area is the River Spey. Source of flood risk in the area is estimated at 27% from river and 73% surface flooding, affecting approximately 20 residential and 20 non-residential properties (Annual Average Damages are approximately £41,000 with the majority caused by surface water flooding) as well as potential impacts to the A9, A86, B9150, the HML and agricultural land. Designated environmental sites are also at risk from flooding; however, flooding of Insh Marshes is essential to maintain the natural characteristics of the site and its designated features.
- PVA 05/12 covers approximately 24km² and includes Kingussie and surrounding rural area. The main watercourse in the area is the River Spey. Source of flood risk in the area is estimated at 91% from river and 9% surface flooding, affecting approximately 30 residential and 20 non-residential properties (Annual Average Damages are approximately £92,000) with the main source of flooding in Kingussie from the Gynack Burn, as well as potentially impacting the A9, A86, B9150, the HML, two cultural heritage sites and agricultural land. Designated environmental sites are also at risk from flooding; however,

flooding of Insh Marshes is essential to maintain the natural characteristics of the site and its designated features.

- 3.1.34 The baseline hydraulic modelling highlights flooding at sensitive receptor locations throughout the Project 9 extent at the 1 in 200-year return period, concurring with the SEPA PVA findings i.e. residential and non-residential properties (Newtonmore, Nuide, Kingussie, and Balavil); roads (A9, B9150/ Perth Road, B970/ Ruthven Road, A86, B9152); the HML railway, cultural heritage (Ruthven Barracks); recreational areas, agricultural land. Therefore, a **Very High** sensitivity value has been assigned.

Photographs 1: River Spey Crossing (MW9.1/ Hydro ID 152)



A) Looking towards Spey crossing from north embankment



B) Existing erosion protection on left bank of Spey



C) Looking south beneath existing crossing from left bank of Spey.



D) Looking upstream from north bank of Spey crossing

[Unnamed watercourse \(W9.1/ Hydro ID 134\)](#)

Water Quality

- 3.1.35 This unnamed tributary of the River Truim flows for a distance of approximately 480m, passing from the east under the A9 (through a 650mm pipe), an access track servicing the holiday park and Mains of Glen Truim, and the HML railway. Its confluence with the River Truim is located at NGR 268953,795302 (**Drawing 11.1** in **Volume 3**).
- 3.1.36 The watercourse is a small drainage ditch (catchment approx. 0.21km²) and is not classified by SEPA and no water quality information was available. It flows through upland heathland/ blanket bog and acidification may potentially impact on the water quality. The water environment in this area will also receive a degree of runoff from the A9. It is not known to support any designated freshwater-dependent ecosystems; therefore, a **Low** sensitivity has been assigned.

- 3.1.37 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.38 The source of the channel is situated in bog/ heathland river terrace to the east of the A9. Historic mapping indicates that it continues to follow its original alignment as it crosses the existing road. Downstream of the A9 the channel is further engineered to take it beneath the NCN7 route and HML railway before discharging into the River Truim. There is little geomorphological activity in the channel due to the restrictions on flow imposed by the A9, NCN7 and HML railway crossings; therefore, a **Low** sensitivity value has been assigned.

Hydrology & Flood Risk

- 3.1.39 No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity value has been assigned.

Photographs 2: *Unnamed watercourse (W9.1/ Hydro ID 134)*



A) Downstream of A9 looking east B) Downstream of A9 looking west to NCN7 C) Upstream of HML looking west

[Unnamed watercourse \(W9.3/ Hydro ID 136\)](#)

Water Quality

- 3.1.40 This small (catchment approx. 0.18km²) unnamed tributary of the River Truim flows for a distance of approximately 110m on the upstream side of the A9, flowing under the road through Hydro ID 136 (700mm pipe), NCN7 and HML railway before discharging to the River Truim approximately 190m further to the west (**Drawing 11.1 in Volume 3**).
- 3.1.41 The watercourse is not classified by SEPA and no water quality information was available. It flows through upland dry heath/ calcifugous grasslands, and acidification may potentially impact on the water quality. The water environment in this area will also receive a degree of runoff from the A9. It is not known to support any designated freshwater-dependent ecosystems; therefore, a **Low** sensitivity value has been assigned.
- 3.1.42 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.43 The channel has been substantially realigned to pass beneath the A9, NCN7 and HML railway crossings as they are in very close proximity to one another (approximately 20m); therefore, this section of the watercourse is very constrained. Previously the channel appeared to follow the alignment of the contemporary A9 before turning west to cross under the railway. The watercourse does not exhibit significant geomorphic features and so has been assigned a **Low** sensitivity value.

Hydrology & Flood Risk

- 3.1.44 No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity value has been assigned.

Photographs 3: *Unnamed watercourse (W9.3/ Hydro ID 136)*



A) Upstream of A9 looking west

B) Downstream of NCN7 looking east

C) Upstream of HML looking west

[Allt Torr an Daimh \(MW9.2/ Hydro ID 138_2\)](#)

Water Quality

- 3.1.45 The Allt Torr an Daimh is a 570m single channel right bank tributary of the River Spey (catchment area approximately 0.7km² upstream of A9 crossing), flowing through a wide valley both upstream and downstream of the A9. It has a fall from 250mAOD down to the main watercourse at approximately 245mAOD. It flows through an area of wet and riparian woodland/ scrub upstream of the road and blanket bog/ fens downstream. It crosses the A9 through a 1200mm concrete pipe (**Drawing 11.2** in **Volume 3**).
- 3.1.46 The watercourse is not classified by SEPA and no water quality information was available. It is not known to support any designated freshwater-dependent ecosystems and it will receive a degree of road runoff; therefore, a **Low** sensitivity has been assigned for water quality.
- 3.1.47 Licenced discharge DISC 9.4 (STE to soakaway) is located approximately 130m to the west of the A9 by Ralia Centre. BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity has been assigned.

Hydromorphology

- 3.1.48 To the east of the A9, the watercourse has incised into hummocky glacial deposits and peat; to the west the channel flows along a flat gradient of the Spey floodplain comprised of glacio-fluvial

terraced deposits before joining the main watercourse. Part of the channel (approx. 80m upstream of the road) is lined with concrete slabs constructed into cascade steps, with a deteriorated metal sluice of a disused dam that will impede sediment transport. The upper part of the catchment may have a substantial sediment source from shallow hillslope failure or widespread erosion, but this is unlikely to transfer successfully through the large, flat peaty area in the mid-catchment which has formed in a depression created by a former glacial meltwater channel. Therefore, an overall **Medium** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

- 3.1.49 A pond (P9.1) upstream of the A9 has become a vegetated wetland area (**Drawing 11.2 in Volume 3**), downstream of which, the channel drops steeply through some former quarry workings before entering a culvert. This feature, along with the deteriorated metal sluice, will impact the natural hydrology of the catchment. No flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity has been assigned.

Photographs 4: *Allt Torr an Daimh (MW9.2/ Hydro ID 138_2)*



A) Metal sluice upstream of A9 B) Upstream of A9 looking towards inlet C) Downstream outlet under A9 looking east

Unnamed watercourse (W9.49a/ Hydro ID 139_2)

Water Quality

- 3.1.50 This unnamed watercourse carries roadside drainage from the east/ southbound side of the A9 under the road through Hydro ID 139_2 (600mm corrugated pipe) adjacent to the exiting Ralia junction and has a catchment area of approximately 0.174km². Downstream the watercourse flows through a heavily vegetated area into flat boggy land. Two STE to soakaway discharges (DICS 9.5 and DISC 9.6) are noted at Ralia Beg and Griogchan, approximately 100m to the west (**Drawing 11.3 in Volume 3**). As the watercourse is little more than a drainage ditch, it has been assigned a **Low** sensitivity value.
- 3.1.51 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned. A private water supply (ABS 9.9) at Ralia Beg is noted approximately 100m to the east. As no surface water feature is evident in this location it is assumed the source is from groundwater.

Hydromorphology

- 3.1.52 The watercourse does not exhibit hydromorphological diversity and therefore, has been assigned a **Low** sensitivity value.

Hydrology & Flood Risk

- 3.1.53 No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity has been assigned.

Photographs 5: Unnamed watercourse (W9.49a/ Hydro ID 139_2)



A) Upstream of A9 inlet looking west

B) Looking downstream from A9 outlet

[Caochan Riabhach \(MW9.3/ Hydro ID 142\) and Unnamed Tributary \(W9.5/ Hydro ID 140\)](#)

Water Quality

- 3.1.54 Caochan Riabhach is a right bank tributary to the River Spey which flows for 610m from headwaters at approximately 250mAOD, crossing the A9 through Hydro ID 142 (750mm steel pipe), to the River Spey at approximately 245mAOD. Upstream of the A9, Caochan Riabhach and an unnamed watercourse (W9.5) flow through areas of forestry. W9.5 flows for 150m, crossing the road through Hydro ID 140 (1200mm corrugated culvert), before joining the Caochan Riabhach and continuing on a narrow, and relatively straight, shallow channel through another wooded area into flat boggy land and area of standing water (P9.4) before it spreads into the River Spey floodplain (**Drawing 11.3 in Volume 3**).
- 3.1.55 Both watercourses are unclassified by SEPA and no water quality information was available. They have a combined catchment area of 0.71km². The watercourses will receive a degree of road runoff and three STE to soakaway discharges (DISC 9.10, DISC 9.11, and DISC 9.12) are located within the Ralia Lodge site; however, these are approximately 100m to the east of the watercourses, therefore, they been assigned a **Low** sensitivity value.
- 3.1.56 BGS data indicates that the waterbodies are within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.57 The watercourses flow over glacio-fluvial sheet deposits and till with sediments comprising gravels to cobbles constricting the channels. Part of the upstream channel of Caochan Riabhach is lined with concrete slab steps inhibiting channel development. The upper catchment of W9.5 is located in 'Ralia Moss' which is indicated by *Scotland's Places* to be 'a piece of peat moss of

considerable extent' and is shown in historic mapping. The channel appears to flow through a low gradient area immediately upstream of the road (likely a river terrace remnant separated from the rest of the terrace by the road). Downstream of the crossing, vegetation establishment in fines indicates channel stability; therefore, a **Medium** sensitivity value for hydromorphology is assigned for this diversity.

3.1.58 Although classed as a 'Major' watercourse (i.e. shown on OS 1:50K mapping), Caochan Riabhach (MW9.3) is a small channel draining a boggy area upstream of the existing road cutting. The channel downstream of the crossing has been realigned, likely during railway construction to take flow from this and other channels through a single point in the railway embankment. The channel is vegetated indicating a level of stability with limited morphological activity in the catchment overall; therefore, a **Low** sensitivity value for hydromorphology has been assigned.

Hydrology & Flood Risk

3.1.59 Hydraulic modelling indicates Caochan Riabhach (MW9.3) overtops and floods the access road to the west of Ralia Lodge in a 200-year event as well as impacting on the HML railway embankments. As the railway is classed as essential infrastructure, but it not directly overtopped, and access/ egress to/ from Ralia Lodge can also be made from the east, a **High** sensitivity value has been assigned.

Photographs 6: Unnamed Tributary of Caochan Riabhach (W9.5/ Hydro ID 140)



A) Upstream of A9 crossing in forestry plantation

B) Downstream of A9 crossing

Photographs 7: Caochan Riabhach (MW9.3/ Hydro ID 142)



A) Upstream looking towards A9

B) Looking upstream from A9 inlet

C) Downstream of A9 looking towards outlet

Unnamed watercourse (W9.7/ Hydro ID 143)

Water Quality

- 3.1.60 This unnamed watercourse drains a flat area of heath/ grassland (catchment area approximately 0.27km²) upstream of the A9 crossing and flows beneath the road through a 1050mm culvert at Hydro ID 143. It is likely to be affected by acidification due to the land cover, though it is not classified by SEPA and no water quality information was available. It is not known to support any designated freshwater-dependent ecosystems and it will receive a degree of road runoff; therefore, a **Low** sensitivity has been assigned for water quality.
- 3.1.61 Downstream of Hydro ID 143 a STE to soakaway (DISC 9.13) is located approximately 130m to the west (**Drawing 11.4 in Volume 3**). BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.62 Evidence of hydromorphic diversity upstream of the A9 crossing is limited. Downstream there is gravel deposition indicating a change in gradient. The channel has a gravel bed from here downstream and drops steeply before reaching a minor road and turning sharply right flowing parallel the road for approximately 50m. Beyond the road, the watercourse crosses a river terrace in an artificially cut straight channel before re-joining its previous alignment (evidenced from 1872 mapping). As the channel has been heavily modified it has been assigned a **Low** sensitivity value for hydromorphology.

Hydrology & Flood Risk

- 3.1.63 Prior to construction of the existing A9, it is likely that two separate channels would have flowed through this catchment, their confluence located downstream of the contemporary road alignment. Both these channels, according to the 1872 mapping, rose from springs in the mid-catchment; however, that farthest to the west is now captured by a cross-slope drain which has its confluence with the more easterly channel immediately upstream of the road.
- 3.1.64 No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity has been assigned.

Photographs 8: Unnamed watercourse (W9.7/ Hydro ID 143)



A) Upstream looking towards A9



B) Downstream of A9 crossing looking north

Unnamed watercourse (W9.7a/ Hydro ID 144_1)

Water Quality

- 3.1.65 This unnamed watercourse drains a wooded area upstream of the A9 crossing (catchment area approximately 0.15km²) before crossing the road through a 700mm corrugated steel culvert at Hydro ID 144_1 (**Drawing 11.4 in Volume 3**). It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity.
- 3.1.66 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.67 The watercourse is a minor tributary of W9.7 which appears to have been realigned upstream of the existing A9 cutting in order to pass beneath the road. Downstream of the A9 the channel follows a relatively steep semi-natural cascade toward the minor road. Partway down this section is a fence which is retaining coarse material and creating a channel step which may result in knickpoint migration. There is little evidence of problematic erosion or deposition; therefore, a **Low** sensitivity value has been assigned.

Hydrology & Flood Risk

- 3.1.68 No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity has been assigned.

Photographs 9: *Unnamed watercourse (W9.7a/ Hydro ID 144_1)*



A) Outlet of A9 crossing

B) Looking downstream from A9 outlet

C) Inlet at upstream roadside verge

Allt Eoghainn (MW9.4/ Hydro ID 145)

Water Quality

- 3.1.69 The Allt Eoghainn is a right bank tributary of the River Spey (catchment area approximately 2.2km²) its headwaters southwest of the summit of Ordan Shios in Nuide Moss at an elevation of approximately 325mAOD. It crosses the existing A9 through an 1800mm culvert, downstream of which, it becomes part of a field drainage system and flows for another 2.2km through straightened field-edge boundary channels before reaching the Spey (**Drawing 11.4 in Volume 3**).

It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity.

- 3.1.70 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.71 Downstream of the existing A9 crossing, the channel flows through a relatively low gradient, confined valley bottom with little evidence of recent erosion of the valley sides through to substrate. Upstream of the crossing, it has a meandering planform in the upland section, incising into glacio-fluvial sheet deposits (sand, gravel and boulders) as it flows in a north-easterly direction for 2.8km across a relatively flat heather and grass summit, down to the A9 crossing at 250mAOD. On the hillsides surrounding the Nuide Moss, there is evidence of shallow failure exposing substrate, a possible supply of sediment to the channel ranging in size from gravel to boulder evident upstream of the crossing trash screen. Due to length of modified channel downstream of the crossing, a **Medium** sensitivity value has been assigned.

Hydrology & Flood Risk

- 3.1.72 Hydraulic modelling indicates the watercourse overtops and floods the access road to Nuide in a 1 in 200-year event; therefore, a **High** sensitivity value has been assigned.

Photographs 10: Allt Eoghainn (MW9.4/ Hydro ID 145)



A) Upstream of A9

B) Downstream of A9 outlet

C) Downstream of A9

Unnamed watercourse (W9.11/ Hydro ID 146_1)

Water Quality

- 3.1.73 This unnamed watercourse drains a hummocky area of heath/ grassland upstream of the A9 crossing (catchment area approximately 0.5km²) before crossing the road through two 300mm diameter pipes at Hydro ID 146 (**Drawing 11.4** in **Volume 3**). It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.

- 3.1.74 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.75 Sediment supply from the upper catchment to the road crossing is not considered likely as transfer will be impeded by a series of lochans (P9.12 and P9.13) in the lower catchment acting as areas of deposition. Should the level of these be elevated in extreme rainfall conditions though, they may allow the channel which was observed as dry to flow and the cobble bed to be mobilised and some incision to take place in the lower catchment, which would be likely to result in sediment delivery to the lower catchment. Therefore, a **Medium** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

- 3.1.76 Hydraulic modelling indicates that in a 200-year event the watercourse overtops and impacts the embankments upstream of the existing A9, with flow routed under the road through an underpass to the east of the watercourse. Downstream of the A9 it floods the sole access road to Nuide; therefore, a Very **High** sensitivity value has been assigned.

Photographs 11: Unnamed watercourse (W9.11/ Hydro ID 146)



A) Incised dry channel upstream of A9 B) Incised dry channel upstream of A9 C) Downstream of A9

[Milton Burn/ Inverton Burn \(MW 9.6/ Hydro ID 147\)](#)

Water Quality

- 3.1.77 Milton Burn is a right bank tributary of the River Spey (catchment area approximately 34.22km²) with headwaters below the summit of Creag nam Bodach at Loch an Dabhaich from where it flows for approximately 3.5km to the east of the A9, and a further 1.2km downstream of the road to the west (**Drawing 11.5** in **Volume 3**). It is designated as part of the River Spey SAC for species including; Atlantic salmon, otter, sea lamprey, and freshwater pearl mussel. Further detail on the precise species present is provided in **Chapter 12**.

- 3.1.78 The WFD classification for Milton Burn is relevant for Project 9 and is classified (2016) as:

Overall status – **Good**

- Pre-HMWB – Good
- Overall ecology – Good
- Biological elements – Good
- Fish – High

- Fish barrier – High
- Hydromorphology – Good
- Morphology – Good
- Overall hydrology – High
- Modelled hydrology – High
- Hydrology (medium/high flows) – High
- Hydrology (low flows) – High

3.1.79 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned. Abstraction (ABS 9.4) is noted approximately 75m to the west of the watercourse.

Hydromorphology

3.1.80 The channel has a meandering planform for much of its length; however, it has been straightened directly upstream and downstream of the existing A9 road before its confluence with the Spey. It flows over moorland, cutting into alluvium and glacio-fluvial sheet deposits (sand, gravel and boulders) before entering the main channel south of Kingussie. There are numerous sediment sources including eroding banks, eroding tributary and main channel valley sides, and possible shallow failures along the main channel. Much of the channel downstream of Loch an Dabhaich shows evidence of mobile sediment and a migrating channel which could supply substantial volumes of sediment to the crossing in high flows.

3.1.81 Morphological pressures information has been provided by SEPA. Those identified on the Milton/ Inverton Burn are:

- Bridge upstream of A9 crossing (ch. 46,700)
- A9 Bridge (ch. 47,350)
- Access track bridge, downstream of A9 (ch. 47,400)

3.1.82 Coarse sediment dynamic information has also been provided by SEPA for the Inverton Burn. The dominant sediment regime for the reaches within Project 9 are summarised in **Table 5**.

Table 5: *Dominant sediment regime for Milton/ Inverton Burn at discrete locations in Project 9*

Dominant sediment regime	Location by chainage (ch.)
Moderate erosion on Milton Burn	46,300 to 46,350; 47,400 to 47,750; 47,850 to 48,200
Moderate deposition on Milton Burn	46,350 to 46,850; 47,750 to 47,850
Balance	46,850 to 47,400

3.1.83 Overall, a **High** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

3.1.84 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event, flooding agricultural land for much of its length upstream of the A9, also impacting the embankments of the road itself. Downstream of the A9 it floods the access road to Inverton therefore, a **High** sensitivity value has been assigned.

Photographs 12: Milton Burn/ Inverton Burn (MW 9.6/ Hydro ID 147)



A) Crossing at A9 under two bridging culvert (third is underpass) B) Downstream of A9 looking toward access crossing

Unnamed watercourse (W9.15/ Hydro ID 148)

Water Quality

- 3.1.85 This unnamed watercourse is a roadside earthworks drainage channel with a catchment area of approximately 0.3km², crossing the existing A9 through a 450mm pipe (**Drawing 11.6 in Volume 3**). It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.86 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.87 The channel appears to be relatively benign with little hydromorphological activity of note around the crossing upstream of the road. Downstream of the road the channel enters Lochan an Tairbh (P9.15) which will act as a sink for any sediment transported through the crossing, particularly as the lochan has no obvious outflow. Overall, the watercourse has been assigned a **Low** sensitivity value for hydromorphology.

Hydrology & Flood Risk

- 3.1.88 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9 impacting the road embankment; therefore, a **High** sensitivity value has been assigned.

Photographs 13: Unnamed watercourse (W9.15/ Hydro ID 148)



A) Upstream of A9 crossing

B) Narrow channel downstream of A9

C) Lochan an Tairbh (P9.15) north of Hydro ID 148

Unnamed watercourse (W9.15a/Hydro ID 149)

Water Quality

- 3.1.89 This unnamed watercourse appears to be ephemeral and little more than roadside earthworks drainage with a catchment area of approximately 0.14km², crossing the existing A9 via a 1000mm culvert (**Drawing 11.6 in Volume 3**). It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.90 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.91 The channel is relatively benign with little hydromorphological activity of note. It is grass-lined both upstream and downstream of the A9 crossing. Overall, the watercourse has been assigned a **Low** sensitivity value for hydromorphology.

Hydrology & Flood Risk

- 3.1.92 No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity value has been assigned.

Photographs 14: Unnamed watercourse (W9.15a/Hydro ID 149)



A) Inflow channel upstream of A9

B) Upstream ephemeral roadside channel

C) Channel downstream of A9

Unnamed watercourse (MW 9.11/ Hydro ID 155)

Water Quality

- 3.1.93 This unnamed watercourse is a left bank tributary of the River Spey (catchment area approximately 0.7km²) entering the main channel east of Kingussie. It crosses the A9 via a 1200mm culvert and continues a further 1.2km before discharging into the Spey. It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.94 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned. The Kerrow Farm, STE to land discharge (DISC 9.28) is approximately 200m to the south-west of the watercourse at approximately ch. 51,050 (**Drawing 11.8** in **Volume 3**).

Hydromorphology

- 3.1.95 It is comprised of straightened ditches (including several ninety-degree turns around field boundaries) in a wide valley with gently sloping sides flowing over till formation alluvial fan deposits and peat. There are sections lined with concrete banks and it is vegetated along much of its length. Fine sediment size and plane bed morphology is noted throughout with the channel appearing stable. Most of the channel in the upper catchment has a natural planform although the dams and straightening through the golf course will have altered the flow and sediment transport regiment. However, within the natural sections of channel there will be varied form and flow conditions and a range of sediment sizes. In the vicinity of the A9 the channel has been realigned and re-sectioned; therefore, a **Medium** sensitivity value has been assigned.

Hydrology & Flood Risk

- 3.1.96 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9, overtopping the road and flooding residential properties further downstream at Laggan. The B9152 road and the HML railway are also affected by flooding at this location; therefore, a **Very High** sensitivity value has been assigned.

Photographs 15: Unnamed watercourse (MW 9.11/ Hydro ID 155)



A) Upstream of A9 crossing



B) Downstream of A9 outlet

Unnamed watercourse (W9.26/ Hydro ID 156)

Water Quality

- 3.1.97 This small unnamed watercourse (catchment area approximately 0.12km²) flows through a wooded area on the upstream side of the existing A9 (noted as 'Issues'¹ on OS mapping) and crosses the existing road through a 900mm pipe (**Drawing 11.8** in **Volume 3**). Downstream of the road the channel has been incorporated into a field drainage system. It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.98 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.99 Upstream of the existing A9 there is limited realignment and the channel appears well-vegetated and stable. Downstream of the crossing the channel has been realigned, likely during construction of the HML railway, in order to combine flow from this and other channels through one crossing point along the railway embankment. Overall, there is limited hydromorphological activity; therefore, it has been assigned a **Low** sensitivity value.

Hydrology & Flood Risk

- 3.1.100 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9, overtopping the road and flooding residential properties further downstream at Laggan. The B9152 road and the HML railway are also affected by flooding at this location; therefore, a **Very High** sensitivity value has been assigned.

¹ 'Issues' are the start of a flowing watercourse which is an emission from an agricultural drain, or where the stream re-emerges from underground.

Photographs 16: Unnamed watercourse (W9.26/ Hydro ID 156)



A) Upstream of A9 crossing

B) Downstream of A9 outlet

Allt Cealgach (MW 9.12/ Hydro ID 157)

Water Quality

- 3.1.101 The Allt Cealgach is a left bank tributary of the River Spey with a catchment area of approximately 3.1km², flowing 5.3km from headwaters at 380mAOD. It flows through a wooded area on the upstream side of the existing A9, and crosses the existing road through a 1500mm bridge structure. Downstream of the road the channel has been incorporated into field a drainage system and the watercourse flows into a pond (P9.20) approximately 350m downstream of the road (**Drawing 11.8** in **Volume 3**). It is likely to be affected by acidification due to the land cover and receive a degree of road runoff, though it is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.102 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.103 It has several smaller tributaries in the upper reaches and a meandering planform following the contours of the higher ground. Its confluence with the Spey is located 1km to the east of Kingussie at 224mAOD. In the upper reaches the channel has incised into till formations and alluvial fan deposits in the vicinity of the A9. Upstream of the A9 the channel is single thread with step-pool morphology and formation of a large mid-channel bar comprised of boulders to fines. In-channel scour down to bedrock and bank erosion is also evident upstream.
- 3.1.104 Downstream there is evidence of avulsion; large scale deposition on both banks has resulted in flow path change shown by overland flow routes across fields, gravels on floodplain from out-of-bank events, and a dry channel previously evident on mapping and aerial photography. This has resulted in a multi-thread downstream channel with fan and braided features. The gravels on floodplain now exhibit vegetation establishment indicating a period of stability. Overall a **High** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

- 3.1.105 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9, impacting the road embankment and flooding agricultural land further downstream. The

B9152 road and the HML railway are also affected by flooding at this location though the direct source of this is unclear; therefore, a **Very High** sensitivity value has been assigned.

Photographs 17: *Allt Cealgach (MW 9.12/ Hydro ID 157)*



A) Large volume of deposited materials upstream of A9 crossing B) Out-of-bank flow and deposition of material downstream of A9

Unnamed watercourse (W9.62/ Hydro ID 158)

Water Quality

- 3.1.106 This small unnamed watercourse (catchment area approximately 0.14km²) flows through heavily vegetated areas both upstream and downstream of the exiting A9 crossing (900mm pipe) (**Drawing 11.8 in Volume 3**). It is likely ephemeral with flow evident during periods of rainfall. It is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.107 BGS data indicates that the waterbody is within a low groundwater vulnerability zone (Class 2); therefore, a **Low** sensitivity value has been assigned.

Hydromorphology

- 3.1.108 The channel appears to be relatively benign with little hydromorphological activity of note. Overall, the watercourse has been assigned a **Low** sensitivity value for hydromorphology.

Hydrology & Flood Risk

- 3.1.109 The hydraulic modelling indicates that the existing A9 embankment is potentially impacted by flooding at the 1 in 200-year return period, though the road itself is not flooded; therefore a **High** sensitivity value has been assigned.

Photographs 18: Unnamed watercourse (W9.62/ Hydro ID 158)



A) Flat boggy area downstream of A9 crossing

B) Heavily vegetated inlet upstream of A9

Unnamed watercourse (W9.27/ Hydro ID 159)

Water Quality

- 3.1.110 The unnamed watercourse has a catchment area of approximately 0.3km² and drains along the side of the access road into Lynvoan Cottage before crossing the A9 through a 1200mm culvert and flowing into Chapelpark (**Drawing 11.9** in **Volume 3**). It passes in the vicinity of an area denoted as 'Sheep Dip' on OS mapping to the west of Chapelpark; it is therefore, possible that it may be affected by pollutants from the farmyard area along with a degree of road runoff. Overall, a **Low** sensitivity value has been assigned.
- 3.1.111 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.112 The upper catchment contains glacial a meltwater channel, in which peat has now accumulated. The contemporary channel that now exists is a misfit within this larger channel and development is very limited until lower slopes. In lower mid-catchment, on the upstream side of the A9, several small tributaries converge. A small artificial pond present here in the 1903 mapping no longer exists. Downstream of crossing, the channel is briefly in open air before being culverted for approximately 180m under the Chapelpark farmyard and the B9152 minor road. The channel emerges immediately downstream of the B9152 and meanders through birch woodland, and terminates in an area denoted as 'Issues' and 'Sinks'² on OS mapping. Overall, as there is a natural catchment and geomorphic processes upstream of the existing road, a **Medium** sensitivity value has been assigned.

Hydrology & Flood Risk

- 3.1.113 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9, overtopping the road and flooding agricultural land further downstream. The B9152 road

² 'Sinks' are a natural hole, shaft or funnel-shaped hollow where a stream disappears underground

and the HML railway are also affected by flooding at this location though the direct source of this is unclear; therefore, a **Very High** sensitivity value has been assigned.

Photographs 19: Unnamed watercourse (W9.27/ Hydro ID 159)



A) Channel upstream of A9 by Lynvoan Cottage access

B) Channel downstream of A9 flowing through Chapelpark

Unnamed watercourse (W9.30/ Hydro ID 161)

Water Quality

- 3.1.114 The unnamed watercourse is an ephemeral field drainage ditch on the upstream side of the existing A9, crossing the road through a 900mm pipe, and has a catchment of approximately 0.6km². Downstream of the road crossing it flows through a farmyard at Chapelpark via a culvert before converging with W9.27 downstream of Hydro ID 159, and terminating in an area denoted as 'Issues' and 'Sinks' on OS mapping south of the B9152 minor road (**Drawing 11.9 in Volume 3**). It is possible that it may be affected by pollutants from the farmyard area along with a degree of road runoff. Therefore, a **Low** sensitivity value has been assigned.
- 3.1.115 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.116 Channelisation in the upper catchment is limited and only small channels evident in the mid-catchment. It is unclear whether 'Sinks' upstream of the A9 concentrated (i.e. pipes) or is diffuse. There is little geomorphic activity noted on this watercourse; however, as modification to the catchment upstream of the existing road is limited, a **Medium** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

- 3.1.117 No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity has been assigned.

Photographs 20: Unnamed watercourse (W9.30/ Hydro ID 161)



A) Ephemeral drainage channel upstream of A9



B) 'Issues' and 'Sinks' area downstream of Chapelpark and B9152

Raitts Burn (MW 9.14/ Hydro ID 162)

Water Quality

3.1.118 Raitts Burn is a single thread left bank tributary of the River Spey, with a catchment area of approximately 12.6km², flowing approximately 7km south-eastwards across the north-western flank of Strathspey, joining the valley of the River Spey 3km downstream of Kingussie (**Drawing 11.10 in Volume 3**). The lower reaches of the watercourse are designated as part of the 'Insh Marshes' and 'River Spey' SACs, and the 'River Spey-Insh Marshes' SSSI, SPA, and Ramsar site.

3.1.119 WFD classifications for Raitts Burn (2016) are:

Overall status – **Moderate**

- Pre-HMWB – Moderate
- Overall ecology – Moderate
- Biological elements – Moderate
- Fish – Moderate
- Fish ecology – Moderate
- Fish barrier – High
- Hydromorphology – Good
- Morphology – Good
- Overall hydrology – High
- Modelled hydrology – High
- Hydrology (medium/high flows) – High
- Hydrology (low flows) – High

3.1.120 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

3.1.121 The watercourse has a meandering planform cutting into till, diamicton and alluvium bordered by areas of talus, following natural gradient of the hillslopes and passing over a waterfall in the upper reaches. The channel planform is straight directly upstream and downstream of the crossing set within a wide valley with gentle slopes. Between the HML railway and the B9152 road, mid-channel deposition of materials ranging from gravel to boulder has led to constriction and subsequent backing up of flow beneath both road and railway bridges and further deposition of fines on the embankments.

- 3.1.122 Coarse sediment dynamic information has also been provided by SEPA for the River Truim. The dominant sediment regime for the reaches within Project 9 are summarised in **Table 6**.

Table 6: *Dominant sediment regime for Raitts Burn at discrete locations in Project 9*

Dominant sediment regime	Location by approximate mainline chainage (ch.)
Moderate erosion on Raitts Burn	ch. 53,350 to 53,550 (upstream of A9 to downstream of HML)
High deposition on Raitts Burn	ch. 53,300 to 53,350 (downstream of HML to Spey confluence)

- 3.1.123 Morphological pressure information has been identified by SEPA at discrete locations along the length of the River Spey. Those identified within the Project 9 extent are outlined in **Table 7** with an approximate mainline chainage for reference.

Table 7: *Morphological pressure on Raitts Burn (SEPA data)*

Morphological pressure	Detail and approximate mainline chainage (ch.)
Partial realignment	641m (ch. 53,350 to 53,550)
Access track bridge	ch. 53,540 (upstream of Balavil Cottage) ch. 53,550 (at Balavil Cottage)
Bridge	ch. 53,450 (A9 crossing) ch. 53,400 (B9152 crossing) ch. 53,400 (HML crossing)
Outfall	ch. 53,400 (left bank between B9152 and HML crossings)

- 3.1.124 Overall, a **High** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

- 3.1.125 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9, impacting the road embankment and flooding agricultural land in close proximity to residential properties. The B9152 road and the HML railway are also affected by flooding at this location; therefore, a **Very High** sensitivity value has been assigned.

Photographs 21: Raitts Burn (MW 9.14/ Hydro ID 162)



A) Upstream of A9 crossing (looking south)

B) Upstream of B9152 – large volume of sediment constricting flow

Unnamed watercourse (W9.34/ Hydro ID 165)

Water Quality

- 3.1.126 This small unnamed watercourse (catchment area approximately 0.23km²) flows through a vegetated area denoted as 'Issues' on OS mapping upstream of the exiting A9 crossing (a 900mm culvert at Hydro ID 165) (**Drawing 11.10** in **Volume 3**). The outlet of the culvert discharges into an agricultural area where the landowner has constructed a rudimentary dam to collect drinking water for sheep. It is not classified by SEPA and no water quality information was available; but it is likely to be affected by agricultural runoff and a degree of road runoff; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.127 BGS data indicates that the waterbody is within medium and high groundwater vulnerability zones (Classes 3 and 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.128 The channel appears to be benign with very limited deposition of fines. No channel development is evident in the upper catchment and there is unlikely to be good connectivity of sediment transport between the upper catchment and the existing A9 crossing. Downstream of the crossing, channel developments have occurred in the wooded area (although remains limited), likely as a result of cutting into the moraine deposits. Overall, a **Low** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

- 3.1.129 A dam downstream of the A9 will impede low flow (still likely to overtop during heavy rainfall events). No hydrological or flooding issues have been identified for this watercourse; therefore, a **Low** sensitivity has been assigned.

Photographs 22: Unnamed watercourse (W9.34/ Hydro ID 165)



A) Upstream of A9 crossing (looking north) B) Drop chamber on upstream side of A9 C) Dam downstream of A9

Unnamed watercourse (W9.35/ Hydro ID 166)

Water Quality

- 3.1.130 This small unnamed watercourse (catchment area approximately 0.34km²) is denoted as a 'Drain' on OS mapping. It follows the boundaries of several fields on the north (upstream) side of the existing A9 crossing before flowing beneath the road via a 900mm culvert at Hydro ID 166 (**Drawing 11.11** in **Volume 3**). The outlet of the A9 culvert sits on a steep wooded embankment, flowing towards the B9152. It is not classified by SEPA and no water quality information was available; therefore, it has been assigned a **Low** sensitivity value.
- 3.1.131 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.132 There is limited morphological diversity within the catchment as a whole. Upstream of the existing A9 crossing, there is limited previous alignment evident and the watercourse channel appears stable. Downstream of the crossing the channel has been realigned, likely during construction of the HML railway in order to take this multiple channel through the embankment at a single location. Overall, a **Low** sensitivity value has been assigned for hydromorphology.

Hydrology & Flood Risk

- 3.1.133 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9, impacting the road embankment and flooding agricultural land in close proximity to residential properties. The B9152 road and the HML railway are also affected by flooding at this location; therefore, a **Very High** sensitivity value has been assigned.

Photographs 23: Unnamed watercourse (W9.35/ Hydro ID 166)



A) Upstream of A9 crossing (lower section of field drain in woods)

B) Outlet of A9 culvert at top of steep embankment

Unnamed watercourse (W9.39/ Hydro ID 168)

Water Quality

- 3.1.134 This small unnamed watercourse (catchment area approximately 0.9km²) drains the southern edges of the Highland Wildlife Park and is channelled via slab-lined roadside drainage on the northbound side of the A9 to a drop chamber at Hydro ID 168 (900mm culvert) (**Drawing 11.11** in **Volume 3**). It is not classified by SEPA and no water quality information was available; however, it will likely receive a degree road runoff, therefore it has been assigned a **Low** sensitivity value.
- 3.1.135 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.136 Major engineering works have taken place recently (2015) on the section of watercourse downstream of the existing crossing due to a landslip caused by heavy rain. The upper two-thirds of the watercourse are now contained in an extended (comparative to previous conditions) pipe. It outfalls onto an existing cascade, now incorporating scour protection to prevent further erosion at the point of discharge. The upper section of the embankment slope is now covered in granular rockfill as part of remedial works. The historic instability of this channel has resulted in a **Medium** sensitivity value for hydromorphology being assigned.

Hydrology & Flood Risk

- 3.1.137 This watercourse is predicted to overtop the existing A9 as the crossing structure at Hydro ID 168 does not have sufficient capacity. The predicted flood depths across the road surface reach 320mm; therefore, a **Very High** sensitivity value has been assigned.

Photographs 24: Unnamed watercourse (W9.39/ Hydro ID 168)



A) Roadside drainage upstream of A9 drop chamber



B) Outlet of A9 culvert at mid-point on re-engineered cutting

Unnamed watercourse (MW 9.17/ Hydro ID 170)

Water Quality

- 3.1.138 This small unnamed watercourse (catchment area approximately 1.4km²) is denoted as a 'Drain' on OS mapping and flows through the eastern edges of the Highland Wildlife Park north of the existing A9. It crosses the road through a 1200mm culvert at Hydro ID 170 (**Drawing 11.12** in **Volume 3**). It is not classified by SEPA and no water quality information was available. As it flows through wooded areas and will likely receive a degree of road runoff, it has been a **Low** sensitivity value.
- 3.1.139 BGS data indicates that the waterbody is within a high groundwater vulnerability zone (Class 4); therefore, a **High** sensitivity value has been assigned.

Hydromorphology

- 3.1.140 This watercourse is a single thread channel that appears to be stable. The catchment is well vegetated with little sediment supply to the channel. There is limited geomorphic diversity around the existing A9 crossing; however, a **Medium** hydromorphology sensitivity value has been assigned as much of the channel and flow is unmodified.

Hydrology & Flood Risk

- 3.1.141 Hydraulic modelling indicates the watercourse is out of bank in a 200-year event upstream of the A9, impacting the road embankment. The B9152 road and the HML railway are also affected by flooding at this location; therefore, a **Very High** sensitivity value has been assigned.

Photographs 25: Unnamed watercourse (MW 9.17/ Hydro ID 170)



A) Upstream of A9 crossing (looking south)



B) Upstream of A9 crossing (looking north)

Ponds

- 3.1.142 Approximately 45 pond/ standing waterbodies (some ephemeral), ranging from <math><0.001\text{km}^2</math> to 0.03km^2 in area, have been identified within 200m of the existing road corridor in the Project 9 extent. The majority are unlikely to be impacted by the Proposed Scheme as they are beyond earthworks extents. However, some are noted as being of particular importance due to their potential habitat for species such as water vole (e.g. P9.2 and P9.24), geodiversity (i.e. Lochan an Tairbh (P9.15)), or value as a community asset (e.g. Glebe Ponds, P9.18); therefore, they are included as part of the water features survey. Further information on community assets, geodiversity, and ecological conditions is provided in **Chapters 8, 10 and 12**, respectively.

Photographs 26: Lochan an Tairbh (P9.15)



Photographs 27: Glebe Ponds (P9.18)



Private Water Supplies

- 3.1.143 Private water supplies (PWS) are also identified within the Project 9 extent. Based on the consultations undertaken with residents, and questionnaire responses/ feedback received at the time of writing (November 2017), 20 PWS source locations were identified supplying properties at Glentruim, Ralia, Nuide Farm, Balavil Estate, Inverton and Ruthven. Fifteen possible well features were also identified based on current or historical Ordnance Survey mapping. Further information on PWS is provided in **Appendix 10.3** and associated drawings in **Volume 3**. Only those PWS within the 'DMRB3 Wider Study Area' are included in the Water Features Schedule (**Table 9**).

Discharges

- 3.1.144 Consented point source discharges are identified from CAR licence information received from SEPA. They include discharges from private residential, commercial and agricultural sources, often associated with discharge of septic tank effluent (STE) to soakaways, land or surface watercourses. Although many are outwith the 'DMRB Stage 3 Detailed Study Area' they are considered within the survey as they are located in the vicinity of watercourses identified as part of the baseline assessment and may have potential hydraulic connectivity to these via subsurface flows. Discharges identified are included in **Table 8** and further detail provided in **Appendix 10.4** in **Volume 2**.

(Note: Reference numbers attached to discharges in Appendix 10.4 relate to potential sources of contamination. These numbers are also included in the Schedule (**section 4**) for cross-reference)

Table 8: Licenced Discharges within Project 9 Extent

Water Features Ref.	Discharge	Chainage (approx.)	Position and Distance from Scheme	Drawing Number (in Volume 3)
DISC 9.1	Glentruim House, Pipers Cottage & Gate Lodge, STE to soakaway, Newtonmore, CAR/R/1029284, Sewage (Private) Primary	40,050	315m west	11.1
DISC 9.2	Coach House & Laundry House, STE to soakaway, Glentruim Estate, Newtonmore, CAR/R/1029475, Sewage (Private) Primary	40,050	315m west	11.1
DISC 9.3	Truimbridge Cottage, STE to soakaway, Newtonmore, CAR/R/1078382, Sewage (Private) Primary	40,250	240m west	11.1
DISC 9.4	Ralia Centre, STE to soakaway, Ralia, Newtonmore, CAR/R/1082485, Sewage (Private) Primary	42,200	50m north-west	11.2
DISC 9.5	Ralia Beag, STE to Soakaway, Newtonmore, CAR/R/1051865, Sewage (Private) Primary	42,800	40m north	11.2
DISC 9.6	Griogchan, STE to soakaway, West Ralia, Newtonmore, CAR/R/1049004, Sewage (Private) Primary	42,825	45m north	11.2
DISC 9.7	Invermore Lodge (Ralia), STE to Land, Newtonmore, CAR/R/1062778, Sewage (Private) Primary	43,400	210m north	11.3
DISC 9.9	Poll Creagan, STE to soakaway, Newtonmore CAR/R/1055546, Sewage (Private) Primary	43,650	490m north	11.3
DISC 9.8	Glens View, Newtonmore, Kingussie, STE to land, CAR/R/1009704, Sewage (Private) Primary	43,750	440m north	11.3
DISC 9.10	Ralia Lodge, STE to Soakaway, Newtonmore, CAR/R/1051859 Sewage (Private) Primary	43,850	120m north	11.3
DISC 9.11	Head keepers House Ralia, STE to Soakaway, Newtonmore, CAR/R/1051860, Sewage (Private) Untreated	43,950	155m north	11.3
DISC 9.12	Milton Lodge, STE to Soakaway, Ralia, CAR/R/1051867 Sewage (Private) Primary	44,000	210m north	11.3
DISC 9.13	Keepers Cottage, STE to soakaway, Newtonmore, CAR/R/1051866, Sewage (Private) Primary	44,070	60m north	11.3

Water Features Ref.	Discharge	Chainage (approx.)	Position and Distance from Scheme	Drawing Number (in Volume 3)
DISC 9.14	Upper Nuide Cottage, STE to soakaway, Kingussie, CAR/R/1051869, Sewage (Private) Untreated	45,830	160m north	11.4
DISC 9.15	Lower Nuide Cottage, STE to Soakaway, Kingussie, CAR/R/1051868, Sewage (Private) Untreated	45,970	275m north	11.5
DISC 9.16	Nuide Farmhouse, STE to soakaway, Kingussie, CAR/R/1051870 Sewage (Private) Untreated	46,100	380m north	11.5
DISC 9.17	Milton of Nuide, STE to soakaway, Kingussie, CAR/R/1051871 Sewage (Private) Untreated	46,230	440m south	11.5
DISC 9.18	Inverton, STE to Soakaway, Kingussie, CAR/R/1051872, Sewage (Private) Untreated	47,570	330m north	11.5
DISC 9.20	Ruthven Farm House, STE to soakaway, Kingussie, CAR/R/1084638, Sewage (Private) Primary	49,100	335m south-east	11.6
DISC 9.19	The Dell Shinty Pitch, STE to U/T of River Spey, Kingussie, CAR/R/1087798, Sewage (Private) Primary	49,150	275m north-west	11.6
DISC 9.21	Ruthven Steadings, STE to soakaway, Kingussie, CAR/R/1047302, Sewage (Private) Primary	49,240	220m south-east	11.6
DISC 9.22	Kingussie WWTP, Kingussie STW, Kingussie, PH21 1JG CAR/L/1001762, SCOTTISH WATER CONTRACTING, Kingussie STW, Combined CSO & SSO to River Spey Sewage (Public) Combined Sewer Overflow (CSO); Kingussie STW, FE to River Spey, Sewage (Public) Secondary; Sewage (Public) Emergency Overflow (EO)	50,070	120m west	11.7
DISC 9.24	Kingussie WWTP CSO 3 x DWF, Kingussie STW, Kingussie, PH21 1JG, CAR/L/1002785, SCOTTISH WATER CONTRACTING Sewage (Public) Combined Sewer Overflow (CSO)	50,150	340m west	11.7
DISC 9.27	Kerrow Farm Cottage, Kingussie, STE to land, CAR/R/1013789 Sewage (Private) Primary	50,910	70m west	11.8
DISC 9.28	Kerrow Farm, Kingussie, STE to land, CAR/R/1013790 Sewage (Private) Primary	51,050	120m north-west	11.8
DISC 9.30	Three Bridges, STE to soakaway, Laggan 2, Kingussie, CAR/R/1047067, Sewage (Private) Primary	51,200	345m south-east	11.8
DISC 9.31	Auld Poor House, STE to Soakaway, Kingussie, CAR/R/1080243 Sewage (Private) Primary	51,300	385m south-east	11.8
DISC 9.33	Chapelark, Lynchat, Kingussie, CAR/S/1030927 Disposal to Land - Sheep Dip onto Land (1)	52,150	255m north	11.9
DISC 9.34	Chapelark, Lynchat, Kingussie, CAR/S/1030927 Disposal to Land - Sheep Dip onto Land (2)	52,330	140m south	11.8
DISC 9.35	Lynvoan, STE to Soakaway, Balavil Estate, Kingussie, CAR/R/1134488 Sewage (Private) Primary	52,570	60m north	11.9
DISC 9.37	West Lodge, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134491, Sewage (Private) Primary	53,300	105m south	11.9
DISC 9.39	The Kennels, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134493, Sewage (Private) Primary	53,300	440m north	11.9
DISC 9.38	Lynchat STW, FE to Raitts Burn, CAR/L/1001761, Sewage (Public) Primary	53,420	30m south	11.10
DISC 9.40	Garden Cottage, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134487, Sewage (Private) Primary	53,450	125m north	11.9
DISC 9.41	Balavil Cottage, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134486, Sewage (Private) Primary	53,470	135m north	11.9
DISC 9.42	Mains of Balavil, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134492 Sewage (Private) Primary	53,550	80m north	11.9

Water Features Ref.	Discharge	Chainage (approx.)	Position and Distance from Scheme	Drawing Number (in Volume 3)
DISC 9.43	Railway Cottage, STE to soakaway, Balavil, CAR/R/1096618, Sewage (Private) Primary	53,600	45m south	11.9
DISC 9.44	Balavil House, STE to Soakaway, Kingussie, CAR/R/1134485 Sewage (Private) Primary	53,900	300m north	11.10
DISC 9.45	East Lodge, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134490, Sewage (Private) Primary	54,270	35m south	11.10
DISC 9.46	Croftcarnoch, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134489, Sewage (Private) Primary	54,950	210m north	11.11
DISC 9.47	Chapelark, Lynchat, Kingussie CAR/S/1030927, Disposal to Land - Sheep Dip onto Land (3)	55,000	55m north	11.11

3.1.145 Further information on these discharges and additional potential contaminations sources is provided in **Appendix 10.4 (Volume 2)**.

Abstractions (excerpt from EnviroCentre Spey Abstractions Report (2008))

3.1.146 The headwaters in the west of the Spey catchment have been utilised for hydro-electric power generation by Alcan and SSE. The transfer structures comprise of intake weirs and dams, with the three dams being the Spey Dam (Alcan), Loch an t-Seilich and Loch Cuaich (both SSE). This regulated area extends to 390km², or some 13% of the entire catchment to Spey Bay, although the influence of this is greater in the upper reaches of the main catchment being 32% to Aviemore and 54% to the Spey/ Tromie confluence. At the intakes, the flows are diverted and transferred out of the Spey catchment into surrounding catchments. There are only four intakes that release compensation flows back into the Spey below them. The only other time water passes over the intakes is during high flows when the capacity of the intake is exceeded.

3.1.147 The waters to the north-west are transferred west towards Loch Laggan in the River Spean catchment, eventually being used to generate electricity at the Alcan plant in Fort William before being discharged to Loch Linnhe. The waters to the south west are transferred south west by SSE to Loch Ericht in the Tay catchment and into the Tummel hydroelectric scheme, before discharging into the Firth of Tay at Perth.

4 Water Features Schedule

4.1.1 The water feature schedule (**Table 9**) lists the waterbodies identified within the Project 9 study area and provides their assigned reference number, NGR location, and approximate chainage and associated watercourse crossing Hydro ID related to the Proposed Scheme.

4.1.2 The schedule also outlines key environmental information relating to the waterbodies including RBMP status (where applicable) and specific designations (e.g. SSSI, SAC, SPA, Drinking Water Protected Area (DWPA)). Justification for scoping-out water features from the environmental assessment is provided and for those subject to the assessment process, sensitivity values are given for the parameters: water quality (surface and groundwater), hydrology and flood risk, and hydromorphology.

Table 9: Water Features Schedule

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
* MW8.1	N/A	River Truim	Major	262841	776681	3750/25350	Yes	Moderate	River Spey SAC; DWPA [Groundwater]	No	–	Medium	Very High	High [Upper Spey]	High	Low
DISC 9.1	N/A	Glentruim House, Pipers Cottage & Gate Lodge, STE to soakaway, Newtonmore CAR/R/1029284 Sewage (Private) Primary	Discharge	268740	794670	40000	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
DISC 9.2	N/A	Coach House & Laundry House, STE to soakaway, Glentruim Estate, Newtonmore CAR/R/1029475 Sewage (Private) Primary	Discharge	268740	794670	40000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
W9.1	134	Unnamed on OS 1:10K (draining d/s of Hydro ID 134 and under access road)	Minor	268982	795163	40050	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	–	Low	Low	High	Low	Low
W9.42	N/A	Unnamed on OS 1:10K (drainage ditch to the east of A9)	Minor	269199	794816	40150/40350	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
W9.43	N/A	Unnamed on OS 1:10K (drainage ditch to the east of A9)	Minor	269172	794824	40230/40250	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
ABS9.1a	N/A	PWS Glentruim Glentruim, Newtonmore, Inverness-Shire, PH20 1BE FA1 PWS Commercial < 100m2 Water Supply - Spring	Abstraction	268115	794940	40200	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
DISC 9.3	N/A	Truimbridge Cottage, STE to soakaway, Newtonmore CAR/R/1078382 Sewage (Private) Primary (Appendix 10.4 Ref: CK-42)	Discharge	268864	794886	40250	Yes (left bank of R. Truim)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
W9.44	N/A	Unnamed earthworks ditch (east of A9)	Minor	269117	794941	40350/40390	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	–	–	–	–	–
ABS9.2	N/A	Private Water Supply PWS Invernahavon Water Supply - Bore Hole PWS Commercial < 100m2 FA1SMBGLEN/1	Abstraction	268874	794951	40400	Yes (left bank of R. Truim)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
W9.2	135	Unnamed on OS 1:10K (draining west of A9 towards R. Truim - marked as Spreads)	Minor	268959	794721	40450/40650	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Earthworks crossing will be replaced by new Scheme drainage network	–	–	–	–	–
W9.3	136	Unnamed on OS 1:10K (draining d/s of Hydro ID 136)	Minor	269146	795342	40750	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	–	Low	Low	High	Low	Low
W9.45	N/A	Minor ephemeral channel (west of A9 joins W9.46)	Minor	269103	795403	40840	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by	–	–	–	–	–

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
											new Scheme drainage network					
W9.46	N/A	Minor ephemeral channel (west of A9 joins W9.45)	Minor	269112	795415	40840	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
ABS9.3	N/A	Invertruim Cottage, Glentruim, Newtonmore Invertruim Cottage, Glentruim, Newtonmore, PH20 1BD	Abstraction	268835	795530	40900	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.47	138_1	Minor drainage channel (east of A9 flow towards Hydro ID 138_1)	Minor	269381	795871	41310/ 41370	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Earthworks crossing will be replaced by new Scheme drainage network	-	-	-	-	-
MW9.2a	N/A	Ephemeral channel in R. Truim floodplain (west of A9 joining Allt Torr an Daimh)	Major	269464	796919	41900/ 42450	Yes	No watercourse-specific information available	Spey SAC, SSSI; DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.2	138_2	Allt Torr an Daimh	Major	269612	796670	41950/ 42450	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Low
W9.49	N/A	Minor drainage channel flowing into Allt Torr an Daimh to east of A9	Minor	269712	796509	41970/ 42080	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
P9.1	N/A	Small (<0.001 km2) pond within channel of MW 9.2	Pond	269763	796466	42000	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Low
W9.48	N/A	Minor drainage channel flowing into Allt Torr an Daimh to east of A9	Minor	269732	796477	42000/ 42080	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Low
P9.2	N/A	Small (0.001 km2) ephemeral waterbody west of A9 noted as a water vole habitat	Pond	269546	796521	42050	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.2a	N/A	Small (<0.001 km2) ephemeral waterbody west of A9 noted as a water vole habitat	Pond	269015	796364	41650	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.4	N/A	Ralia Centre, STE to soakaway, Ralia, Newtonmore CAR/R/1082485 Sewage (Private) Primary (Appendix 10.4 Ref: CK-06b)	Discharge	269750	796676	42200	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	-
DISC 9.5	N/A	Ralia Beag, STE to Soakaway, Newtonmore CAR/R/1051865 Sewage (Private) Primary (Appendix 10.4 Ref: CK-09b)	Discharge	270273	797007	42820	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
DISC 9.6	N/A	Griogchan, STE to soakaway, West Ralia, Newtonmore CAR/R/1049004 Sewage (Private) Primary (Appendix 10.4 Ref: CK-08b)	Discharge	270287	797018	42840	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	-
W9.49a	139_2	Unnamed on OS 1:10K (drainage channel by Ralia junction)	Minor	270400	796978	42900	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Low
MW9.1	152	River Spey	Major	269644	797090	43000/44050	Yes	Good	River Spey Insh Marshes SSSI, SAC, SPA; River Spey SAC; CNP; DWPA [Groundwater]	No	-	High	Very High	High [Upper Spey Sand and Gravel]	Very High	Very High
ABS9.4	N/A	PWS Ralia Ralia Beag, Newtonmore, Inverness-Shire, PH20 1BD FB1 PWS Domestic < 50 Persons	Abstraction	270728	796711	43050	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	N/A	N/A	High	N/A	Medium
W9.48a	N/A	Incised channel down hillslope (east of A9)	Minor	270665	797098	43100/43230	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.7	N/A	Invermore Lodge (Ralia), STE to Land, Newtonmore CAR/R/1062778 Sewage (Private) Primary (Appendix 10.4 Ref: CK-43)	Discharge	270708	797438	43400	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.3	N/A	Loch Buidhe (east of HML)	Loch	270852	797598	43500/43650	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.9	N/A	Poll Creagan, STE to soakaway, Newtonmore CAR/R/1055546 Sewage (Private) Primary	Discharge	270828	797815	43700	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.4	N/A	Small (<0.002km²) pond within channel of MW9.3	Pond	271104	797683	43750	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Medium	Low	High	Low	High
W9.5	140	Unnamed on OS 1:10,000 mapping	Minor	271195	797324	43800	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Medium	Low	High	Medium	Low
DISC 9.8	N/A	Glens View, Newtonmore, Kingussie, STE to land CAR/R/1009704 Sewage (Private) Primary	Discharge	270900	797790	43800	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.3	142	Caochan Riabhach	Major	271110	797657	43800/44000	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Medium	Low	High	Low	High
DISC 9.10	N/A	Ralia Lodge, STE to Soakaway, Newtonmore CAR/R/1051859 Sewage (Private) Primary (Appendix 10.4 Ref: CK-44)	Discharge	271180	797550	43850	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
ABS9.5	N/A	PWS Speybridge Spey Bridge Caravan Park, Perth Road, Newtonmore, Inverness-Shire, PH20 1BB FA1 PWS Commercial < 100m2 Water Supply - Spring	Abstraction	270931	798171	43900	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
P9.4a	N/A	Small (<0.001 km2) pond north of A9 in grounds of Ralia	Pond	271246	797709	43950	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.11	N/A	Head keepers House Ralia, STE to Soakaway, Newtonmore CAR/R/1051860 Sewage (Private) Untreated (Appendix 10.4 Ref: CK-45)	Discharge	271254	797605	43950	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.6a	N/A	Minor ephemeral channel (east of A9 joins W9.7)	Minor	271424	797386	44000	No	No watercourse-specific information available	DWPA - Groundwater	Yes	Not impacted by Scheme	-	-	-	-	-
W9.6b	N/A	Minor ephemeral channel (east of A9 joins W9.7)	Minor	271456	797428	44000	No	No watercourse-specific information available	DWPA - Groundwater	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.12	N/A	Milton Lodge, STE to Soakaway, Ralia CAR/R/1051867 Sewage (Private) Primary (Appendix 10.4 Ref: CK-46)	Discharge	271290	797680	44000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.7	143	Unnamed (d/s section marked as Issues on OS 1:10K mapping)	Minor	271393	797384	44000/44650	Yes	No watercourse-specific information available	DWPA - Groundwater	No	-	Low	Low	High	Low	Low
DISC 9.13	N/A	Keepers Cottage, STE to soakaway, Newtonmore CAR/R/1051866 Sewage (Private) Primary (Appendix 10.4 Ref: CK-11b)	Discharge	271400	797550	44050	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	-
W9.50	N/A	Minor ephemeral channel (east of A9 joins W9.7)	Minor	271534	797491	44160	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Low
W9.7a	144_1	Unnamed (d/s section marked as Issues on OS 1:10K mapping)	Minor	271686	797649	44350	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Low
W9.51	N/A	Minor ephemeral channel west of A9 (marked as Sinks on OS 1:10K mapping)	Minor	271881	797894	44650	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	High	-	-
W9.52	N/A	Road drainage ditch (east of A9)	Minor	272128	797921	44800/45030	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
MW9.4	145	Allt Eoghainn	Major	272741	797930	45050/46300	Yes	No watercourse-specific information available	D/s section included in River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar DWPA [Groundwater]	No	-	Low	Low	High	High	High
W9.8	144_3	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	272342	798123	45200	No	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
W9.8a	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	272422	798161	45300	No	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
W9.53	N/A	Access track drainage ditch (east of A9)	Minor	272613	798081	45400	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor track drainage will not be impacted by the Scheme	-	-	-	-	-
W9.54	N/A	Drainage ditch (east of A9)	Minor	272717	798201	45450/45650	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
W9.9	N/A	Unnamed ephemeral tributary channel of Allt Eoghainn	Minor	272821	797790	45550/46000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.11	146	Ephemeral channel south of A9 (west of underpass)	Minor	273175	798360	45650/46050	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Very High
ABS9.6a	N/A	Private Water Supply PWS Nuide Farm S Water Supply - Bore Hole FA1SMBKING/3 FA1 PWS Commercial < 100m2 Water Supply - Bore Hole	Abstraction	272820	798319	45700	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	N/A	N/A	High	N/A	Medium
DISC 9.14	N/A	Upper Nuide Cottage, STE to soakaway, Kingussie CAR/R/1051869 Sewage (Private) Untreated (Appendix 10.4 Ref: CK-47)	Discharge	272892	798481	45800	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	-
P9.5	N/A	Small (<0.001 km2) ephemeral pond east of the A9	Pond	273089	798110	45850	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.6	N/A	Small (<0.001 km2) ephemeral pond within channel of W9.11	Pond	273202	798011	45900	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.56	N/A	Drainage ditch (west of A9 flowing towards Hydro ID 145_3)	Minor	273067	798393	45900/46000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
W9.55	N/A	Drainage ditch (east of A9 flowing towards Hydro ID 145_3)	Minor	273101	798357	45920/46000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
P9.7	N/A	Small (<0.001 km2) pond within woods, east of Allt Eoghainn	Pond	273037	798533	45950	Yes	No watercourse-specific information	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
								available								
DISC 9.15	N/A	Lower Nuide Cottage, STE to Soakaway, Kingussie CAR/R/1051868 Sewage (Private) Untreated (Appendix 10.4 Ref: CK-48)	Discharge	273013	798656	45950	Yes (d/s of 145_1 and track - f/p of Truim)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.13	N/A	Small (<0.001 km2) pond east of W9.11	Pond	273198	798313	45975/46100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.8	N/A	Small (<0.001 km2) ephemeral waterbody east of W9.11	Pond	273267	798082	45975/46100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.9	N/A	Small (<0.001 km2) ephemeral waterbody east of W9.11	Pond	273300	798081	45975/46100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.10	N/A	Small (<0.001 km2) pond within channel of W9.11	Pond	273211	798153	45975/46100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.11	N/A	Small (0.001 km2) ephemeral waterbody east of W9.11	Pond	273301	798141	45975/46100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.12	N/A	Small (0.003km2) ephemeral waterbody in channel of W9.11	Pond	273200	798233	45975/46100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.16	N/A	Nuide Farmhouse, STE to soakaway, Kingussie CAR/R/1051870 Sewage (Private) Untreated (Appendix 10.4 Ref: CK-49)	Discharge	273032	798773	46000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.5	N/A	Unnamed tributary of Milton Burn	Major	273564	798052	46180/46250	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.17	N/A	Milton of Nuide, STE to soakaway, Kingussie CAR/R/1051871 Sewage (Private) Untreated	Discharge	273500	798050	46200	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.6	147_1	Milton Burn/ Inverton Burn	Major	273636	798157	46200/48150	Yes	Good	River Spey SAC DWPA [Groundwater]	No	-	High	Very High	High	High	High
P9.14	N/A	Small (0.001 km2) ephemeral pond by northbound side of A9	Pond	273377	798525	46250/46300	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	-
W9.12	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	273606	799011	46600/46950	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.57	N/A	Field Drain on OS 1:10K	Minor	273950	798504	46750	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.58	N/A	Field Drain on OS 1:10K (south of A9 by left bank of R. Spey)	Minor	274055	798522	46750/46950	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
W9.13	146_3	Field Drain on OS 1:10K (east of A9 discharging into Milton Burn)	Minor	273993	798579	46750/47150	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Field drainage ditch will be replaced by new Scheme drainage network	-	-	-	-	-
MW9.18	N/A	Caochan Tigh na Mile (tributary of Milton Burn)	Major	273984	798336	46800	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.10	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	272900	798340	46800	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Low
W9.14	N/A	Road drainage ditch (east of A9 discharging into Milton Burn)	Minor	274108	798719	46950/47350	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
W9.60	N/A	Field Drain on OS 1:10K	Minor	274275	798719	47080/47270	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Low
P9.38	N/A	Small (<0.001 km2) ephemeral pond east of Milton Burn	Pond	274411	798651	47300	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
ABS9.8b	N/A	PWS Inverton Inverton Agricultural Supply Source – surface Water	Abstraction	274667	798621	47500	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	N/A	N/A	High	N/A	Medium
P9.39	N/A	Small (<0.001 km2) ephemeral pond west of plantation forestry (Torr Buidhe)	Pond	274645	798647	47550	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.18	N/A	Inverton, STE to Soakaway, Kingussie CAR/R/1051872 Sewage (Private) Untreated (Appendix 10.4 Ref: CK-50)	Discharge	274496	799250	47550	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
ABS9.8a	N/A	PWS Inverton	Abstraction	274575	799256	47650	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.15	N/A	Lochan an Tairbh (adjacent to north bound carriageway of A9) (0.012km2)	Loch	274952	799058	47800/48000	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	High
W9.57	N/A	Drainage ditch (south of A9)	Minor	274838	798912	47820	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.15	148	Unnamed tributary to Lochan an Tairbh	Minor	275045	799043	48050	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	High
W9.15a	149	Unnamed on OS 1:10K mapping (ephemeral drainage ditch)	Minor	275352	799198	48380	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Low

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
ABS9.11	N/A	Private Water Supply FW4 Holiday Let FA1XMBRUTH/1 Knappach Cottage	Abstraction	275536	799164	48500	No	No watercourse-specific information available	DWPA [Groundwater]	No	–	N/A	N/A	High	N/A	N/A
W9.16	N/A	Unnamed (marked as Collects on OS 1:10K mapping)	Minor	275725	799172	48550/49100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
D9.1	N/A	Dam on Burn of Ruthven	Constructed Feature	276708	799309	48700	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme/ outwith assessment extent	–	–	–	–	–
ABS9.9	N/A	PWS Ruthven FA1 PWS Commercial < 100m2 Water Supply - Spring	Abstraction	276171	799402	49050	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
ABS9.10	N/A	PWS Ruthven Farm	Abstraction	276113	799450	49100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
DISC 9.19	N/A	The Dell Shinty Pitch, STE to U/T of River Spey, Kingussie CAR/R/1087798 Sewage (Private) Primary (Appendix 10.4 Ref: CK-51)	Discharge	275740	799810	49100	Yes (right bank of R. Spey)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
MW9.7	N/A	Pitmains Burn	Major	275741	800061	49100/49650	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
DISC 9.20	N/A	Ruthven Farm House, STE to soakaway, Kingussie CAR/R/1084638 Sewage (Private) Primary (Appendix 10.4 Ref: CK-15b)	Discharge	276220	799400	49150	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
ABS9.11a	N/A	Private Water Supply PWS Ruthven Steading FW4 Holiday Let FA1XMBRUTH/1	Abstraction	276170	799476	49250	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
DISC 9.21	N/A	Ruthven Steadings, STE to soakaway, Kingussie CAR/R/1047302 Sewage (Private) Primary (Appendix 10.4 Ref: CK-15d)	Discharge	276202	799554	49250	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
MW9.9a	N/A	Ditch north of Ruthven Barracks (discharges into Burn of Ruthven)	Major	276506	799908	49300/49900	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
W9.17	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	276361	799752	49400/49550	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
MW9.9	N/A	Burn of Ruthven	Major	276687	800130	49450/50150	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–
P9.16	N/A	Small (0.001 km2) ephemeral pond by northbound embankment of A9	Pond	276193	799985	49550	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	–	Low	High	High	N/A	High
MW9.8	N/A	Gynack Burn	Major	275800	800230	49600	Yes	Poor	River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	–	–	–	–	–

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
W9.18	N/A	Drain on OS 1:10K (discharges into MW 9.9a)	Minor	276497	799837	49600	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.17	N/A	Small (<0.001 km2) ephemeral pond by right bank of R. Spey	Pond	276037	800173	49700	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.19	N/A	Drain on OS 1:10K (discharges into MW 9.9a)	Minor	276548	799989	49750	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.20	N/A	Drain on OS 1:10K (discharges into MW 9.9a)	Minor	276576	800059	49800	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.17a	N/A	Small (<0.001 km2) ephemeral pond by right bank of R. Spey	Pond	276265	800226	49850	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.22	N/A	Kingussie WWTP Kingussie STW, Kingussie, PH21 1JG CAR/L/1001762 SCOTTISH WATER CONTRACTING Kingussie STW, Combined CSO & SSO to River Spey Sewage (Public) Combined Sewer Overflow (CSO); Kingussie STW, FE to River Spey Sewage (Public) Secondary; Sewage (Public) Emergency Overflow (EO) (Appendix 10.4 Ref: CK-21f)	Discharge	276301	800465	49950	Yes (left bank of R. Spey)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.24	N/A	Kingussie WWTP CSO 3 x DWF Kingussie STW, Kingussie, PH21 1JG CAR/L/1002785 SCOTTISH WATER CONTRACTING Sewage (Public) Combined Sewer Overflow (CSO) (Appendix 10.4 Ref: CK-21i)	Discharge	276103	800560	49950	Yes (left bank of R. Spey)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.18	N/A	Glebe Pond - small (0.006 km2) pond in park to the east of Kingussie bounded by A86 and HML	Pond	276426	800840	50500	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.10	N/A	Unnamed (marked as Drain on OS 1:10K mapping and shown on 1:50K)	Major	276874	801016	50650/50750	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	No	-	Low	Low	High	Low	Low
W9.23	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	276977	801052	50750/50850	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.19	N/A	Small (0.001 km2) pond south of A86 in area marked as Drains on OS 1:10K	Pond	276801	801112	50800	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
W9.22	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	276865	801135	50900	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.22a	154_2	Unnamed earthworks drain	Minor	276743	801416	51100	No	No watercourse-specific information available	DWPA [Groundwater]	No	Earthworks drainage will be replaced by new Scheme drainage network	-	-	-	-	-
DISC 9.27	N/A	Kerrow Farm Cottage, Kingussie, STE to land CAR/R/1013789 Sewage (Private) Primary (Appendix 10.4 Ref: CK-28b)	Discharge	276615	801258	50900	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.24	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	277132	801278	50900/51150	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.28	N/A	Kerrow Farm, Kingussie, STE to land CAR/R/1013790 Sewage (Private) Primary (Appendix 10.4 Ref: CK-28c)	Discharge	276630	801400	51050	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.11	155	Unnamed (flows under A9 at Hydro ID 155 and has confluence with MW9.12 d/s of ID 157)	Major	276797	801546	51200/51650	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Very High
P9.19a	N/A	Small (<0.001 km2) pond within area marked as 'Issues' on OS mapping, between B9152 and HML	Pond	277138	801119	51100	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.30	N/A	Three Bridges, STE to soakaway, Laggan 2, Kingussie CAR/R/1047067 Sewage (Private) Primary (Appendix 10.4 Ref: CK-52)	Discharge	277063	801192	51250	Yes (d/s of 155)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.31	N/A	Auld Poor House, STE to Soakaway, Kingussie CAR/R/1080243 Sewage (Private) Primary (Appendix 10.4 Ref: CK-53)	Discharge	277140	801220	51350	Yes (d/s of 155 & 156)	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.26	156	Unnamed (marked as Issues on OS 1:10K mapping)	Minor	277068	801707	51450/51550	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Very High
MW9.12	157	Allt Cealgach	Major	277023	801948	51450/51650	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	No	-	Low	Low	High	High	Very High
W9.26a	156	Unnamed (marked as Issues on OS 1:10K mapping - has tributary with W9.26)	Minor	277038	801725	51500	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.20	N/A	Small (0.003 km2) ephemeral pond within channel of MW9.12, d/s of Hydro ID 157	Pond	277477	801366	51700	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	No	-	Low	Low	High	High	Very High

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
P9.20a	N/A	Small (0.001 km2) ephemeral pond within channel of MW9.12, d/s of Hydro ID 157	Pond	277541	801236	51700	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	No	-	Low	Low	High	High	Very High
W9.61	N/A	Road drainage (north bound side of A9 between Hydro ID 157 and 158)	Minor	277372	801771	51730/51900	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
W9.62	158	Minor field drainage crossing A9 at Hydro ID 159	Minor	277436	801819	51900	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	Low	Low	High
P9.40	N/A	Small (0.001 km2) pond south of A9	Pond	277637	801660	52100	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.63	N/A	Road drainage (north bound side of A9)	Minor	277778	801869	52150/52320	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
DISC 9.33	N/A	Chapelpark, Lynchat, Kingussie CAR/S/1030927 Disposal to Land - Sheep Dip onto Land (1)	Discharge	277600	802080	52200	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.34	N/A	Chapelpark, Lynchat, Kingussie CAR/S/1030927 Disposal to Land - Sheep Dip onto Land (2)	Discharge	277930	801730	52350	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.25	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	277959	801922	52350/52450	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Minor earthworks ditch will be replaced by new Scheme drainage network	-	-	-	-	-
W9.27	159	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	278195	801968	52400/52850	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Very High
P9.21	N/A	Pond (0.015 km2) south of A9 west of Lynchat between A9 and B9152 (0.015km2)	Pond	278087	801699	52450	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.66	N/A	Marked as Issues and Sinks on OS 1:10K (north of A9)	Minor	278152	802387	52450/53000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.28	N/A	Marked as Issues on OS 1:10K (north of A9)	Minor	278001	802268	52450/52950	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.65	N/A	Drainage ditch (north bound side of A9 joining W9.27)	Minor	278026	802048	52500/52550	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
ABS9.13	N/A	In woodland near Lynvoan Cottage Balavil Estate Limited	Abstraction	278002	802270	52550	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.64	N/A	Drainage ditch (north bound side of A9 joining W9.27)	Minor	278097	801963	52550/52570	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.35	N/A	Lynvoan, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134488 Sewage (Private) Primary (Appendix 10.4 Ref: CK-54)	Discharge	278090	802000	52560	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.29	N/A	Unnamed (marked as Issues/ Sinks on OS 1:10K mapping)	Minor	278453	801789	52800/52850	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.30	161	Unnamed drainage ditch by access track	Minor	278440	802026	52850/52950	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Low
MW9.13	N/A	Unnamed (marked as Drain on OS 1:10K mapping and shown on 1:50K)	Major	278886	801816	52900/53300	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.31	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	278573	801591	52950	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.67	N/A	Unnamed (marked as Drain on OS 1:10K mapping - west of the Kennels, north of A9)	Minor	278542	802470	53050/53200	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.13a	N/A	Unnamed (marked as Drain on OS 1:10K mapping and shown on 1:50K - discharges into MW 9.13)	Major	278805	801835	53150	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.22	N/A	Small (0.001 km2) pond on left bank of R. Spey	Pond	278993	801807	53300	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.32	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	278925	801900	53300	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.37	N/A	West Lodge, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134491 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33e)	Discharge	278870	802000	53300	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.39	N/A	The Kennels, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134493 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33f)	Discharge	278620	802510	53300	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.14	162	Raitts Burn	Major	278911	802387	53350/53550	Yes	Moderate	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar	No	-	Medium	Medium	High	High	Very High

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
									River Spey SAC DWPA [Groundwater]							
MW9.15	N/A	Unnamed (marked as Drain on OS 1:10K mapping and shown on 1:50K)	Major	279175	801977	53350/54750	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.15a	N/A	Unnamed (marked as Drain on OS 1:10K mapping and shown on 1:50K)	Major	279175	801977	53350/54750	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.38	N/A	Lynchat STW, FE to Raitts Burn CAR/L/1001761 Sewage (Public) Primary (Appendix 10.4 Ref: CK-55)	Discharge	278961	802108	53450	Yes (d/s of 162)	No watercourse-specific information available	River Spey SAC DWPA [Groundwater]	No	-	-	-	High	-	-
DISC 9.40	N/A	Garden Cottage, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134487 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33g)	Discharge	278890	802290	53450	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.41	N/A	Balavil Cottage, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134486 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33b)	Discharge	278909	802304	53500	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
ABS9.14	N/A	THC Burn Supply Private Water Supply FB1YMBBALA/1 Y Water Supply - Stream FB1 PWS Domestic < 50 Persons PWS Balavil	Abstraction	278794	802551	53500		No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.42	N/A	Mains of Balavil, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134492 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33c)	Discharge	278998	802301	53570	No	No watercourse-specific information available	DWPA [Groundwater]	No	-			High		
DISC 9.43	N/A	Railway Cottage, STE to soakaway, Balavil CAR/R/1096618 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33h)	Discharge	279120	802210	53600	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.33	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	279298	802315	53750/53750	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	No	-	Low	Low	High	Low	Medium
DISC 9.44	N/A	Balavil House, STE to Soakaway, Kingussie CAR/R/1134485 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33i)	Discharge	279080	802690	53950	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.69	N/A	Field drain on OS 1:10K (part of drainage system around Lochan Dubh Mor and Lochan Dubh Beag)	Minor	280022	802158	54000/54600	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.23	N/A	Lochan Dubh Mor (left bank floodplain of R. Spey)	Loch	279822	802214	54150	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
W9.70	N/A	Field drain on OS 1:10K (part of drainage system around Lochan Dubh Mor and Lochan Dubh Beag)	Minor	280050	802016	54200	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.34	165	Unnamed (marked as Issues on OS 1:10K mapping)	Minor	279667	802861	54250/54550	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Low
DISC 9.45	N/A	East Lodge, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134490 Sewage (Private) Primary (Appendix 10.4 Ref: CK-33d)	Discharge	279590	802690	54270	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	-
W9.71	N/A	Field drain on OS 1:10K (part of drainage system around Lochan Dubh Mor and Lochan Dubh Beag)	Minor	280076	802299	54350	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.23a	N/A	Lochan Dubh Beag (left bank floodplain of R. Spey)	Loch	280025	802393	54400	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.72	N/A	Field drain on OS 1:10K (part of drainage system around Lochan Dubh Mor and Lochan Dubh Beag)	Minor	280061	802615	54450/54850	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.36	N/A	Unnamed (marked as Drain on OS 1:10K mapping)	Minor	279845	803339	54750/55300	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.35	166	Drainage ditch (east of Croftcarnoch - flow under A9 at Hydro ID 166)	Minor	279972	803342	54750/55000	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Low	Very High
DISC 9.46	N/A	Croftcarnoch, STE to Soakaway, Balavil Estate, Kingussie CAR/R/1134489 Sewage (Private) Primary (Appendix 10.4 Ref: CK-56)	Discharge	279940	803310	54950	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
DISC 9.47	N/A	Chapelark, Lynchat, Kingussie CAR/S/1030927 Disposal to Land - Sheep Dip onto Land (3)	Discharge	280100	803220	55000	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.24	N/A	Small (0.001 km2) pond between B9152 and HML	Pond	280276	803075	55050	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.25	N/A	Small (0.001 km2) pond on left bank of R. Spey	Pond	280380	802924	55050	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.26	N/A	Small (0.001 km2) pond on left bank of R. Spey	Pond	280369	802873	55050	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
W9.42	N/A	Unnamed (marked as Issues on OS 1:10K mapping)	Minor	280129	803677	55100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.38	N/A	Unnamed drainage ditch within Highland Wildlife Park	Minor	280209	803724	55250/55300	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.16	N/A	Unnamed (marked as Drain on OS 1:10K mapping and shown on 1:50K) within Highland Wildlife Park	Major	280362	803494	55250/55400	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.43	N/A	Unnamed (marked as Drain on OS 1:10K mapping) within Highland Wildlife Park	Minor	280390	803453	55300	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.37	N/A	Unnamed (marked as Issues on OS 1:10K mapping) within Highland Wildlife Park	Minor	280515	803494	55400/55530	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.42	N/A	Small (0.001 km2) pond on right bank of R. Spey	Pond	280755	802954	55475	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.27	N/A	Small (0.003km2) waterbody in channel of W9.42 (within Highland Wildlife Park)	Loch	280245	803516	55500	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.28	N/A	Small (0.001 km2) pond on right bank of R. Spey	Pond	280762	802929	55500	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.41	N/A	Small (0.001 km2) pond within Highland Wildlife Park	Pond	280485	803802	55575	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.39	168	Unnamed ephemeral drainage ditch	Minor	280695	803378	55600	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Very High
P9.41a	N/A	Small (0.001 km2) pond within Highland Wildlife Park	Pond	280507	803843	55700	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.29	N/A	Small (0.001 km2) pond between HML and B1952	Pond	280831	803400	55700	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.30	N/A	Small (0.003 km2) waterbody on left bank R. Spey flood plain (between R. Spey and HML)	Pond	280929	803313	55700	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.40	N/A	Unnamed (marked as Drain on OS 1:10K mapping) connecting P9.30 and River Spey	Minor	280978	803283	55750/55850	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.31	N/A	Small (<0.001 km2) waterbody on right bank R. Spey flood plain (south of Loch Lub Mhairi)	Pond	281157	803308	55950	Yes	No watercourse-specific information	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar	Yes	Not impacted by Scheme	-	-	-	-	-

Water Feature										Scoped Out of Environmental Assessment		Sensitivity				
Water Feature Ref	Relevant Hydro ID	Name/ Description	Category	NGR Easting	NGR Northing	Chainage	** Flooding 1 in 200 Year [enhanced 2D modelling]	RBMP Classification (2016) Surface Water	Located within any designated boundaries?	Y/N	Justification	Water Quality (Surface Water)		Water Quality (Groundwater)	Hydromorphology	Hydrology & Flood Risk
												Water Quality	Biodiversity			
								available	River Spey SAC DWPA [Groundwater]							
P9.32	N/A	Waterbody (0.022km2) on right bank R. Spey flood plain (south of Loch Lub Mhairi)	Pond	281258	803192	55950	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.33	N/A	Small waterbody on right bank R. Spey flood plain (south of Loch Lub Mhairi)	Pond	281396	803336	56050	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
ABS9.16	N/A	PWS Source Location PWS Coulintyre	Abstraction	280946	803802	56050	Yes	No watercourse-specific information available	DWPA [Groundwater]	No	-	-	-	High	-	Medium
P9.34	N/A	Loch Lub Mhairi (right bank of R. Spey)	Loch	281504	803393	56100	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.35	N/A	Small (0.001 km2) waterbody on left bank R. Spey flood plain (between R. Spey and HML)	Pond	281389	803506	56100	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.36	N/A	Small (0.001 km2) waterbody on left bank R. Spey flood plain (between R. Spey and HML)	Pond	281320	803634	56100	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
P9.37	N/A	Small (<0.001 km2) area of standing water within channel of MW 9.17	Pond	280909	803876	56100	No	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
MW9.17	170	Unnamed (marked as Drain on OS 1:10 mapping and shown on 1:50K)	Major	280903	803862	56150	No	No watercourse-specific information available	DWPA [Groundwater]	No	-	Low	Low	High	Medium	Very High
W9.41	N/A	Unnamed (marked as Drain on OS 1:10 mapping)	Minor	281340	803650	56200/56200	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.44	N/A	Unnamed (marked as Drain on OS 1:10K mapping - on southern edge of B9152)	Minor	281448	803882	56500	Yes	No watercourse-specific information available	DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-
W9.73	N/A	Field Drain on OS 1:10K (east of A9 discharging into W9.13)	Minor	281703	803811	56500/56800	Yes	No watercourse-specific information available	River Spey - Insh Marshes SSSI, SAC, SPA, Ramsar River Spey SAC DWPA [Groundwater]	Yes	Not impacted by Scheme	-	-	-	-	-

