

Appendix 10.3

Groundwater Abstractions and Private Water Supplies

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1 Introduction

- 1.1.1 In support of **Chapter 10 (Volume 1)** of the Design Manual for Roads and Bridges (DMRB) Stage 3 Environmental Impact Assessment (EIA) report; this appendix presents the baseline detail of groundwater abstractions and private water supplies (PWS) that were identified within the study area for Project 9 - Crubenmore to Kincaig of the A9 Dualling Programme (hereafter referred to as the Proposed Scheme) and records the consultation undertaken regarding them.
- 1.1.2 Potential impacts are assessed and mitigation measures identified (if required) in **Chapter 10 (Volume 1)**, while other surface water abstraction features are identified and assessed in **Chapter 11 (Volume 1)**. Natural springs or flushes present in the study area but not identified as existing PWS sources are considered in the context of the groundwater dependent terrestrial ecosystem (GWDTE) assessment in **Chapter 10 (Volume 1)** and **Appendix 10.2 (Volume 2)**.

2 Approach and Methods

- 2.1.1 The assessment related to groundwater abstractions and PWS covered a study area extending to 850m from the temporary and permanent works boundaries of the Proposed Scheme, which was considered to correspond to the minimum study area applied for groundwater abstractions under The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (CAR).
- 2.1.2 In order to identify these features, consultation was undertaken with The Highland Council (THC), Scottish Environment Protection Agency (SEPA) and HighWater (Scotland) Ltd. Additional information regarding the source, location, type and use of abstractions or supplies identified was then obtained through private property/ landowner consultation questionnaires, public exhibitions and/ or site walkovers where possible. Further consultation regarding some supplies may be required during pre-construction activities as identified in **Chapter 10 (Volume 1)**.

3 Baseline Conditions

- 3.1.1 Based on consultations with THC, SEPA and landowners; 20 PWS source locations were initially identified in the study area, supplying properties throughout the Proposed Scheme extents. Fifteen possible well features were also identified based on current or historical OS mapping, landowner consultation or site walkovers (CFJV, November 2017). Additional consultations with landowners, residents, HighWater (Scotland) Ltd and site walkovers (CFJV, March and November 2017) were then undertaken to obtain further information on the features and to determine their status.
- 3.1.2 The collective known details and status of each feature identified are summarised in **Table 1**. The approximate locations of the PWS sources, supplied properties and possible wells are also illustrated in **Drawings 10.23 to 10.34 (Volume 3)** with photographs, questionnaire feedback (if received) from private property/ landowners and information received from HighWater (Scotland) Ltd summarised in **Annex 10.3.1**.
- 3.1.3 The sensitivity of each feature has been assigned based on the criteria within **Table 10-4 in Chapter 10 (Volume 1)** and the number of properties served. Where consultation or other information has identified that the PWS or possible wells are not present or are no longer in use (i.e. are abandoned/ not active), no sensitivity is assigned and they are not considered to represent receptors. However, where the status or use of a feature is unconfirmed or unclear, it is considered to be of high sensitivity.

Table 1: Groundwater Abstractions and Private Water Supplies

Feature Ref.	Feature Type/ Source	Feature Location	Easting	Northing	Feature Details	Sensitivity
ABS 9.1a	PWS Source – Borehole	Glentruim, New tonmore, Inverness-Shire, PH20 1BE	268115	794940	Information received from THC indicated a PWS, sourced from a spring, supplying eleven properties on Glentruim Estate and Glentruim Farm, located approximately 1km west of the existing A9 carriageway. However, subsequent landowner consultation confirmed that only five properties on Glentruim Estate have a PWS for domestic and consumption purposes, sourced from a borehole of 102m depth and steel cased to 24m below ground level (m bgl), installed by HighWater (Scotland) Ltd in 2009. The quality of the water supplied from the borehole was described as excellent by the landowner, with a yield of approximately 6 litres per minute. Water consumption on the Estate varies daily, however no dry periods have been encountered since the borehole installation. Water supplied from the borehole is treated with ultraviolet (UV) filtration prior to consumption. Of the eleven properties originally identified by THC to be serviced by the PWS, the landowner identified seven of these to be serviced by a separate spring supply (identified in this assessment as ABS 9.1b and described below).	High
ABS 9.1a (Linked)	PWS Supplied Property	Glentruim House, New tonmore, Highland, PH20 1BE	268116	794940		
ABS 9.1a (Linked)	PWS Supplied Property	Pipers Cottage Glentruim, New tonmore, Inverness-Shire, PH20 1BE	268038	795016		
ABS 9.1a (Linked)	PWS Supplied Property	Glentruim Coach House, New tonmore, Inverness-Shire, PH20 1BE	267984	795041		
ABS 9.1a (Linked)	PWS Supplied Property	Laundry Cottage, New tonmore, Inverness-Shire, PH20 1BE	267984	795041		
ABS 9.1a (Linked)	PWS Supplied Property	Gate Lodge Glentruim, New tonmore, Inverness-Shire, PH20 1BE	268681	794628		
ABS 9.1b	PWS Source - Spring	Glentruim Estate	268171	794174	As per ABS 9.1a above, information received from THC indicate a PWS, sourced from a spring, supplying eleven properties on Glentruim Estate and Glentruim Farm, located approximately 1km west of the existing A9 carriageway. However, landowner consultation for that identified seven of those properties to be serviced by a separate spring supply. Separate consultation was therefore undertaken for this – with the landowner (Mr. Campbell) and a local resident of Shanvall (Mrs. Knox). The landowner consultation indicated that the supply is used for agricultural purposes, but also suggested that it is associated with a number of surrounding houses. The quality of the water supply was described as not good at all, with a very poor yield, and the landowner was otherwise unaware of the supply setup details. Consultation with the local resident of Shanvall via telephone indicated that the supply is also used for domestic purposes in their property, with the source being located in a forested area on the hillside to the south west of their address. The resident noted that a stream forms from the spring during periods of heavy rainfall and that water is stored in tanks on the hillside, prior to being conveyed to their property. The quality and quantity of water from the supply were described as good, with only occasional periods where it runs dry due to heavy consumption. A filter is also attached to the Shanvall property, to remove sediment and debris from the water, prior to use and consumption.	High
ABS 9.1b (Linked)	PWS Supplied Property	Shanvall, New tonmore, Highland, PH20 1BE	267584	794206		
ABS 9.1b (Linked)	PWS Supplied Property	Garage House Glentruim, New tonmore, Inverness-Shire, PH20 1BE	267984	795041		
ABS 9.1b (Linked)	PWS Supplied Property	Gardeners Cottage Glentruim, New tonmore, Inverness-Shire, PH20 1BE	268038	795016		
ABS 9.1b (Linked)	PWS Supplied Property	Keepers Cottage, Glentruim, New tonmore, Inverness-Shire, PH20 1BE	267969	794929		
ABS 9.1b (Linked)	PWS Supplied Property	Mains of Glentruim, Home Farm, New tonmore, Inverness-Shire, PH20 1BE	267936	794406		
ABS 9.1b (Linked)	PWS Supplied Property	Kennel Cottage, Glentruim, New tonmore, Inverness-Shire, PH20 1BE	267955	794896		
ABS 9.1b (Linked)	PWS Supplied Property	Bungalow, Glentruim, New tonmore, Inverness-Shire, PH20 1BE	268038	795016		
ABS 9.2	PWS Source – Borehole	Invernahavon Holiday Park, Glentruim, New tonmore, PH20 1BE	268874	794951	Information from THC indicated a PWS sourced from a borehole, which supplies Invernahavon Holiday Park (comprising ca. 63 caravan pitches and 20 tent pitches) and a residential property, Fernisdale. The borehole is located approximately 250m west of the existing A9 and adjacent to the west of the River Truim.	Very High
ABS 9.2 (Linked)	PWS Supplied Property	Invernahavon Holiday Park, Glentruim, New tonmore, PH20 1BE	268667	795087	Consultation with the owner of Invernahavon Holiday Park confirmed the borehole location provided by THC and that it is used for domestic purposes for the holiday park. The supply is pumped from the borehole to a tank, prior to being conveyed to the supplied properties via pipework. The water was described as clear and of good quality and undergoes treatment (type unconfirmed) prior to use and consumption. Consultation with HighWater (Scotland) Ltd who installed the borehole, confirmed this to be 58.50m deep with 7.50m of steel casing providing a seal into bedrock. A borehole pump is suspended at approximately 55.00 m below ground level (bgl) and delivers water to an elevated storage tank, from where it is gravity fed to the caravan site.	
ABS 9.2 (Linked)	PWS Supplied Property	Fernisdale, Glentruim, New tonmore, Highland, PH20 1BE	268674	795377		
ABS 9.3	PWS Source – Borehole	Invertruim Cottage, Glentruim, New tonmore, PH20 1BD	268835	795530	Information received from THC indicated a borehole abstraction point which supplies Invertruim Cottage. The borehole is located approximately 350m west of the existing A9 and 50m west of the River Truim. Consultation with the owner and residents of Invertruim Cottage confirmed that the supply is a well, approximately 25 feet (7 to 8m) in depth located in their garden. The supply is approximately 17 years old and is used only for domestic purposes. Water is conveyed from the well to the property via pipework and no treatment is provided to it prior to use and consumption. The water was described as clear and of very good quality.	High
ABS 9.4	PWS Source - Spring	Ralia Beag, New tonmore, Inverness-Shire, PH20 1BD	270728	796711	Information received from THC and SEPA identified a PWS feature sourced from a spring, supplying Ralia Beag and Ptarmigan Cottage. Landowner consultation confirmed that both these properties were supplied by a single spring source on the southern side of the existing A9, which was conveyed to the properties via a pipe network that crossed the existing carriageway at approximate ch. 43,000. However, both were connected to the mains water supply in the area approximately 7 to 8 years ago (ca. 2010) and the water from the spring is no longer utilised. An estimated location of the supply source was provided by the landowner, but this was unable to be confirmed during a site visit. Although no longer in use, the pipework associated with the supply is also understood to remain in place, adjacent to the properties and beneath the existing A9 carriageway.	N/A
ABS 9.4 (Linked)	PWS Supplied Property	Ralia Beag, New tonmore, Inverness-Shire, PH20 1BD	270412	797120		
ABS 9.4 (Linked)	PWS Supplied Property	Ptarmigan Cottage, New tonmore, Inverness-Shire, PH20 1BD	270449	797083		

Feature Ref.	Feature Type/ Source	Feature Location	Easting	Northing	Feature Details	Sensitivity
ABS 9.5	PWS Source - Spring	Spey Bridge Caravan Park, Perth Road, New tonmore, Inverness-Shire, PH20 1BB	270931	798171	Information received from THC identified a PWS sourced from a spring, supplying the Spey Bridge Caravan Park and Cattle Farm. The supply is located approximately 800m north of the existing A9 and approximately 120m beyond the River Spey. Consultation with the landowner indicated that the supply is sourced from a well approximately 16 feet (4 to 5m) in depth, which was established in 1847. The water is used for domestic and commercial purposes, supplying the caravan site (comprising ca. 50 motorhome pitches, 50 touring pitches and 50 tent pitches) and the on-site residential property (assumed to represent the Cattle Farm). The water supplied from the well was described to be crystal clear and of excellent quality, with a typical maximum daily yield of 5m ³ . The water also undergoes UV and filter treatment prior to use and consumption.	Very High
ABS 9.5 (Linked)	PWS Supplied Property	Speybridge Cattle Farm, New tonmore, Inverness-Shire, PH20 1PB	270912	798234		
ABS 9.5 (Linked)	PWS Supplied Property	Speybridge Caravan Park, Perth Road, New tonmore, Inverness-Shire	270925	798247		
ABS 9.6a	PWS Source - Borehole	Nuide Farm, Kingussie, Inverness-Shire, PH21 1NR	272820	798319	Information received from THC identified a PWS sourced from a borehole approximately 60m north of the existing A9 at Nuide Farm. Landowner consultation identified that the supply supports three residential buildings, a holiday let property and a cattle farm for domestic and occasional agricultural purposes. The landowner estimated that the borehole is 70 to 80 ft (20 to 25m) in depth, but consultation with HighWater (Scotland) Ltd suggested that it is 40m in depth. The borehole has a pump suspended at 35m depth, which delivers a pressurised supply to the properties via a tank (272740, 798280), with an approximate 3000 litre capacity. From the tank, 50ml arcsine piping conveys water to the properties. The exact consumption and yield of the supply is unknown, but the landowner estimated that more than one tank is consumed on average per day. Prior to the tank being installed (date unknown), the supply would regularly go dry. The quality of the water was described as good and no treatment is applied prior to its use or consumption.	High
ABS 9.6a (Linked)	PWS Supplied Property	Upper Nuide Farm Cottage, Kingussie, Inverness-Shire, PH21 1NR	272958	798737		
ABS 9.6a (Linked)	PWS Supplied Property	Lower Nuide Farm Cottage, New tonmore, Kingussie, Highland, PH21 1NR	273008	798664		
ABS 9.6a (Linked)	PWS Supplied Property	Nuide Farmhouse, Kingussie, PH21 1NR	273002	798727		
ABS 9.6a (Linked)	PWS Supplied Property	Nuide Farm, New tonmore, Inverness-Shire, PH21 1NR	272817	798526		
ABS 9.6b	PWS Supply Source – Surface Water	Nuide Farm, Kingussie, Inverness-Shire, PH21 1NR	272780	798120	In addition to ABS 9.6a above, landowner consultation identified another PWS to be present at Nuide Farm. The supply source is a surface water burn (Allt Eoghainn), with the intake point located on the southern side of the existing A9 (272780, 798120). The water is stored in a tank nearby the intake location and is conveyed to the opposite side of the carriageway via a pipe network. The landowner indicated that this was originally used as the PWS to the residential and holiday let properties at Nuide Farm on the opposite side of the carriageway, but that it is now solely a 'back-up' for ABS 9.6a during dry periods. It is also due to be re-instated for agricultural use.	High
ABS 9.7	PWS Supply Source – Surface Water	Milton of Nuide, Ralia, New tonmore, PH20 1BD	273821	797417	Information received from THC identified a PWS sourced from surface water, supplying properties at Milton of Nuide. Landowner consultation identified that the supply is sourced from Lochan Odhar, which is located some distance south of the properties and >1km from the existing A9. From the intake point, the supply is conveyed to a tank (location unknown) with an approximate 2000 litre capacity and connected to the properties via pipework from there. The supply is used for domestic purposes and undergoes water filtration and UV treatment prior to use and consumption.	High
ABS 9.7 (Linked)	PWS Supplied Property	Milton of Nuide, Ralia, New tonmore, PH20 1BD	273482	798101		
ABS 9.8a	PWS Source - Borehole	Inverton, Kingussie, Highland, PH21 1NR	274575	799256	Information received from THC identified a PWS at Inverton, located approximately 350m north of the existing A9 and approximately 50m north of the Burn of Inverton. Consultation with the landowner and HighWater (Scotland) Ltd indicated that the supply comprises a borehole drilled in 2006 and approximately 60 to 70 feet (18 to 22m) in depth. It supplies one cottage property for domestic purposes and is connected to this directly via a suspended pump and pressurised supply through 25ml pipework. The landowner described the water quality as good and while daily consumption usage is unknown, the landowner noted that it sufficient to supply the family living at the cottage.	High
ABS 9.8a (Linked)	PWS Supplied Property	Inverton, Kingussie, Highland, PH21 1NR	274505	799242		
ABS 9.8b	PWS Source - Spring	Inverton, Kingussie, Highland, PH21 1NR	274667	798621	Landowner consultation identified that the cottage property located at Inverton, as per ABS 9.8a above, formerly utilised a PWS sourced from a spring on the southern side of the existing A9 carriageway. The spring was described to have bubbled up out of the ground surface and was conveyed to the northern side of the road via 25ml iron piping. The spring water was described by the landowner to be of good quality, but it is now solely utilised as an agricultural supply to fields on the northern side of the carriageway. The location at which this pipework crosses the road is unknown, but is approximated to be situated between ch. 47,400 and ch. 47,600.	High
ABS 9.8b (Linked)	PWS Supply Location	Inverton, Kingussie, Highland, PH21 1NR	274489	798975		
ABS 9.9	PWS Source – Spring	Ruthven, Kingussie, Highland, PH21 1NR	276171	799402	Information from THC identified a PWS sourced from a spring, supplying two properties at Ruthven. Landowner consultation identified that the supply is sourced from an abstraction and is utilised for domestic purposes by two residential properties and for agricultural properties in the surrounding fields. The indicated supply source is located approximately 300m south east of the existing A9 and dates back to pre-2000. The water quality was described as good, with it being generally clear in appearance, but murky during wet spells. The quantity of water was described to be sustainable, with approximately 2000 litres being utilised per day during the summer months. Water is conveyed from the abstraction (manhole ring) into a holding/ header tank, and undergoes UV treatment prior to reaching the properties. Information provided by the landowner also indicated that part of the supply network crosses the existing A9 carriageway at ch. 48,800. The information provided suggests that this was formerly utilised for agricultural purposes on the northern side of the carriageway, but is currently not connected to the wider network on the southern side.	High
ABS 9.9 (Linked)	PWS Supplied Property	Knappach Cottage, Kingussie, Highland, PH21 1NR	275536	799164		
ABS 9.9 (Linked)	PWS Supplied Property	Ruthven Cottage, Kingussie, Highland, PH21 1NR	275862	799309		

Feature Ref.	Feature Type/ Source	Feature Location	Easting	Northing	Feature Details	Sensitivity
ABS 9.10	PWS Source - Borehole	Ruthven Farmhouse, Kingussie, Highland, PH21 1NR	276170	799476	Information from THC identified a borehole PWS at Ruthven Farm, approximately 230m south east of the existing A9, which services five properties for domestic purposes. Landowner consultation confirmed the location and type of the supply, and suggested that it was 55m in depth and 15-years old. The water was described by the landowner to be pure and clear, and of excellent quality and quantity, as it has never run dry. Consultation with HighWater (Scotland) Ltd indicated that the borehole is approximately 80m depth. While this contradicts feedback from the landowner, HighWater (Scotland) Ltd did note that the borehole was drilled by another company. Water from the borehole is conveyed to the properties via an underground pipe and undergoes UV filtration treatment prior to use. An estimated 100 gallons (370 to 380 litres) of water is consumed per day, and chemical testing is known to be carried out annually by THC.	High
ABS 9.10 (Linked)	PWS Supplied Property	Ruthven Park, Ruthven, Kingussie, PH21 1NR	276160	799478		
ABS 9.10 (Linked)	PWS Supplied Property	Ruthven House, Ruthven, Kingussie, PH21 1NR	276153	799471		
ABS 9.10 (Linked)	PWS Supplied Property	Craigbheag Cottage, Ruthven, Kingussie, PH21 1NR	276096	799442		
ABS 9.10 (Linked)	PWS Supplied Property	Craigdhubh Cottage, Ruthven, Kingussie, PH21 1NR	276087	799438		
ABS 9.10 (Linked)	PWS Supplied Property	Ruthven Farm, Kingussie, Inverness-Shire, PH21 1NR	276144	799461		
ABS 9.10 (Linked)	PWS Supplied Property	Ruthven Farmhouse, Kingussie, Highland, PH21 1NR	276131	799462		
ABS 9.11	PWS Source - Borehole	Ruthven Steading, Kingussie, Highland, PH21 1NR	276166	799574	Previously linked to the supply at Ruthven Farm (ABS 9.10 above), landowner consultation identified that Ruthven Steadings, in addition to two holiday let cottages, are supplied by a borehole drilled by HighWater (Scotland) Ltd in January 2016. The borehole is located approximately 180m south east of the existing A9 carriageway and both HighWater (Scotland) Ltd and the landowner confirmed that it is 51 to 52m in depth, with 35m steel casing providing a seal in to the bedrock. A borehole pump is suspended at 51m bgl and delivers a pressurised supply to the properties. The water is used for domestic purposes and was described by the landowner to be of excellent quality, clear appearance and very good quantity. The sustainable yield of the borehole has been calculated as 1,100 litres per hour and the water receives UV and filter treatment prior to use and consumption. Pipework from the borehole is buried a few centimetres beneath the ground surface, leading to the properties. Bedrock was encountered at 33m depth when the borehole was drilled and water quality testing of the supply is completed annually by THC.	High
ABS 9.11 (Linked)	PWS Supplied Property	Ruthven Steading, Kingussie, Highland, PH21 1NR	276213	799535		
ABS 9.11 (Linked)	PWS Supplied Property	Spindrift Cottage, Kingussie, Highland, PH21 1NR	276190	799532		
ABS 9.11 (Linked)	PWS Supplied Property	Sundower Cottage, Kingussie, Highland, PH21 1NR	276185	799542		
ABS 9.12	PWS Source – Borehole	Lag Na Cruich, Gordonhall Farm, Kingussie, PH21 1NR	276845	799395	Information from THC identified a PWS supplying a property sourced from surface water. However, consultation with the landowner noted the supply present in THC records is now out of use and that their property is now supplied by a new borehole. The borehole is 127m in depth and was installed in 2016. Based on a map provided by the landowner, the borehole supply is located approximately 250m south of the old surface water supply and approximately 850m south east of the existing A9 carriageway, beyond Ruthven Barracks. The water supply was described by the landowner to be of very good quality and clear appearance, with no minerals above recommended amounts. A pump is used to convey the water to the property on demand, and it can be pumped dry, but approximately 100 litres per day is consumed for domestic purposes.	High
ABS 9.12 (Linked)	PWS Supplied Property	Gordonhall Farm Bungalow, Gordonhall Farm, Kingussie, PH21 1NR	276820	799648		
ABS 9.13	PWS Source – Surface Water	Balavil, Kingussie, Inverness-Shire, PH21 1LU	278002	802270	Information from THC identified a PWS supplying a number of properties in Balavil Estate, sourced from surface water. Consultation with the landowner indicated the supply is from an intake off an open source, which is conveyed to a tank (198cm x 353cm) and gravity fed throughout the Estate for domestic and agricultural purposes. The age of the supply is unknown, but is believed to originate from the Victorian Era. The supply was noted to be of high very natural quality, clear appearance and of good quantity due to a very strong flow. No treatment is applied to the water centrally at the source. However, some properties treat water prior to consumption, with UV filtration for example. Site walkovers with representatives of the landowner (CFJV, August 2017) confirmed the location of the supply source and tank. The representatives also highlighted that the supply remains to be linked to several properties on the southern side of the existing A9 – but that some of these are also connected to the mains supply in the area.	High
ABS 9.13 (Linked)	PWS Supplied Property	Balavil Cottage, Kingussie, Inverness-Shire, PH21 1LU	278874	802377		
ABS 9.13 (Linked)	PWS Supplied Property	Garden Cottage, Kingussie, Inverness-Shire, PH21 1LU	278892	802311		
ABS 9.13 (Linked)	PWS Supplied Property	Railway Cottage, Kingussie, Inverness-Shire, PH21 1LU	279158	802182		
ABS 9.13 (Linked)	PWS Supplied Property	Lynvoan Cottage, Kingussie, Inverness-Shire, PH21 1LU	278110	802014		
ABS 9.13 (Linked)	PWS Supplied Property	Balavil Mains Farmhouse, Kingussie, Inverness-Shire, PH21 1LU	279015	802281		
ABS 9.13 (Linked)	PWS Supplied Property	East Lodge, Kingussie, Inverness-Shire, PH21 1LU	279604	802697		
ABS 9.13 (Linked)	PWS Supplied Property	West Lodge, Kingussie, Inverness-Shire, PH21 1LU	278885	802006		
ABS 9.13 (Linked)	PWS Supplied Property	Lynchat Farm, Kingussie, Inverness-Shire, PH21 1LU	278418	801949		

Feature Ref.	Feature Type/Source	Feature Location	Easting	Northing	Feature Details	Sensitivity
ABS 9.14	PWS Source – Surface Water	Balavil, Kingussie, Inverness-Shire, PH21 1LU	278794	802551	Information from THC identified a PWS supplying a number of properties in Balavil Estate, sourced from surface water. Landowner consultation confirmed the properties believed to be linked to this supply are actually supplied by a separate source (ABS 9.13) and therefore, the supply is no longer active. Site walkovers (CFJV August 2017) were unable to confirm the presence of the source or any associated former infrastructure, due to access restrictions.	N/A
ABS 9.15	PWS Source – Spring/ Surface Water	Balavil House, Kingussie, Highland, PH21 1LU	278517	803772	Information from THC identified a PWS supplying Balavil House, sourced from surface water. Consultation with the landowner indicated that the source is a spring or surface water, which is conveyed to a tank (97cm x 497cm) and gravity fed to Balavil House and a mobile home for domestic purposes. The exact location of the supply source is unknown, as it is a significant distance north of the supplied property. The age of the supply is also unknown, but is believed to originate from the Victorian Era. The supply was noted to be of variable quality and quantity, and has previously gone dry due to pipework blockages between the tank and the property. The water is treated with cotton and UV filters prior to use and consumption, and site walkovers with representatives of the landowner (CFJV, August 2017) confirmed the location of the supply tank to the rear (north) of Balavil House.	High
ABS 9.15 (Linked)	PWS Supplied Property	Balavil House, Kingussie, Highland, PH21 1LU	279108	802675		
ABS 9.15 (Linked)	PWS Supplied Property	Mobile Home, Balavil House, Kingussie, Highland, PH21 1LU	278996	802683		
ABS 9.16	PWS Source – Surface Water	Coulintyre Cottage, Kingussie, PH21 1LX	280946	803802	Resident consultations during public exhibitions identified a PWS supplying Coulintyre Cottage. The supply is sourced from surface water, and taken from the burn on the northern side of the carriageway near the access track for the Highland Wildlife Park. A PWS questionnaire has been sent to the residents at the property, but no response has been received despite several attempts.	High
ABS 9.16 (Linked)	PWS Supplied Property	Coulintyre Cottage, Kingussie, PH21 1LX	281234	803713		
ABS 9.17	PWS Source – Unknown	Farletter Cottage, Insh, Kingussie, Inverness-Shire, PH21 1NU	282010	803312	Information received from THC identified a PWS supplying Farletter Cottage. Subsequent consultation with the residents of the property confirmed that it had a PWS until 2000. However, since then, it has been connected to the public mains supply.	N/A
ABS 9.17 (Linked)	PWS Supplied Property	Farletter Cottage, Insh, Kingussie, Inverness-Shire, PH21 1NU	282010	803312		
PW 9.1	Possible Well	Ralia Lodge, Ralia, PH20 1BD	271434	797569	Historical OS mapping indicated two possible well features near Ralia Lodge. Landowner consultation confirmed that, while the lodge and associated buildings had a PWS in the past, these were connected to the public mains supply approximately 7 to 8 years ago (ca. 2010). The former supply was a spring, from which water was stored in a tank and conveyed to the properties. The water was regularly peaty and brown, particularly when it rained.	N/A
PW 9.2	Possible Well	Ralia Lodge, Ralia, PH20 1BD	271583	797668		
PW 9.3	Possible Well	Ralia Lodge, Ralia, PH20 1BD	272286	798133	Historical OS mapping indicated a possible well feature near the Braes of Nuide woodland by Ralia Lodge. However, landowner consultation indicated there is no current PWS present or in use in this area. Access to the location of the feature was not possible during site walkovers (CFJV, November 2017), but the general locality was observed to comprise steeply sloping forested ground with watercourses to the south and the east.	N/A
PW 9.4	Possible Well	Drumanoich	274338	798851	Historical OS mapping indicated a possible well near Drumanoich. Landowner consultation indicates there is no supply present, which was confirmed by a site visit (CFJV, November 2017). Direct access to the location was not possible, however the location of the possible well was observed to be on a steep embankment adjacent to the existing A9. The feature was not observed to be present, based on the view point from the bottom of the embankment.	N/A
PW 9.5	Possible Well	Blar Odhar	274533	799044	Historical OS mapping indicated a possible well feature near Blar Odhar woodland, but landowner consultation indicated that there is no current PWS present or in use in this area. Site walkovers (CFJV, November 2017) observed the location to comprise a topographic low and boggy area at the edge of the woodland, with water collecting at the surface. This is likely to be a result of run-off associated with an adjacent upslope pocket of deep peat.	N/A
PW 9.6	Possible Well	Ruthven Steading, Kingussie, Highland, PH21 1NR	276265	799563	Historical OS mapping indicated a possible well near Ruthven Steading, but landowner consultation indicated that there is no current PWS present or in use in this area. Site walkovers of the area (CFJV, November 2017) observed an existing outfall and resultant area of flushing, but no abstraction or PWS were noted.	N/A
PW 9.7	Possible Well	Ruthven Farm, Kingussie, Inverness-Shire, PH21 1NR	276144	799333	Historical OS mapping indicated a possible well feature near Ruthven Farm. Site walkovers of the area (CFJV, November 2017) did not identify any evidence of PWS infrastructure in the locality and only a drainage channel was observed. Discussions with a local resident of Ruthven Park during the walkover identified that Ruthven Park (ABS 9.10), Ruthven Cottage (ABS 9.9) and Knappach Cottage (ABS 9.9) formerly had a shared private supply in the vicinity of the approximated PW 9.7 location. The resident also went on to suggest the observed drainage line may have been associated with this.	N/A
PW 9.8	Possible Well	Stoneybrae, Manse Road, Kingussie PH21 1JF	276190	800666	Historical OS mapping indicated a possible well feature at Stoneybrae. The landowner has been contacted regarding the status or use of the feature, but a response has not been received despite several attempts.	High
PW 9.9	Possible Well	Craig An Darach House, High Street, Kingussie, PH21 1PG	278341	802353	Historical OS mapping indicated a possible well feature at Craig An Darach House, but landowner consultation indicated there is no current PWS present or in use in this area.	N/A
PW 9.10	Possible Well	Balavil, Kingussie, Inverness-Shire, PH21 1LU	278341	802353	Historical and current OS mapping indicated two possible well features (PW 9.10 and PW 9.11) within and around Balavil Estate. Consultation with the landowner in relation to ABS 9.13, ABS 9.14 and ABS 9.15 (also located on Balavil Estate) did not confirm knowledge of these well features, but did initially identify the presence of three alternative well locations (PW 9.12 to PW 9.14). However, additional follow-on discussions with representatives of the landowner and site walkovers with them (CFJV, August 2017) confirmed that there is no current PWS present or in use in the areas indicated. No well infrastructure was observed in any of the locations, with the exception of a possible remnant drainage line or tank nearby the approximated position of PW 9.11. The landowners representatives surmised that this may have formerly been associated with a private supply to The Kennels, but that these properties are now on the mains supply. The remaining areas were therefore considered likely to represent spring or drainage issues, with possible associated pooling of water.	N/A
PW 9.11	Possible Well		278578	802503		N/A
PW 9.12	Possible Well		278510	802536		N/A
PW 9.13	Possible Well		278440	802254		N/A
PW 9.14	Possible Well		279261	802864		N/A

Feature Ref.	Feature Type/Source	Feature Location	Easting	Northing	Feature Details	Sensitivity
PW 9.15	Possible Well	Torra Dhaimh	269745	796467	A possible well feature or abstraction point was observed during a site walkover (CFJV, November 2017). Subsequent consultation with THC and Scottish Water confirmed that the feature is not associated with or operated by these bodies. Landowner consultation also did not confirm the status or use of the feature; however, it was suggested that it may be related to Ralia Café, located on the opposite side of the existing A9 carriageway. The owners of Ralia Café have been contacted regarding the feature, but a response has not been received.	High

4 References

Scottish Government (2011). The Water Environment (Controlled Activities) (Scotland) Regulations 2011,
Scottish Government (2011)

Annex 10.3.1

Consultation/ Walkover Information

Glentruim House, Glentruim Estate, Newtonmore, PH20 1BD (ABS 9.1a)

Response Received:	15 January 2018 (letter)
From:	Deirdre Falkoner (Estate Manager) on behalf of Mr Gordon Ingram
Address:	Glentruim Estate, New tonmore, PH20 1BD
Abstraction/ PWS Address:	Glentruim, New tonmore, Inverness-Shire, PH20 1BE

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Yes, a borehole

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

The borehole is approximately 250m south of Glentruim House on the lower side of the driveway

Q3. (If it is a spring), do you know the exact location of the spring?

-

Q4. (If it is a well), how deep is the well?

Borehole – 102m deep and steel cased

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

-

Q6. How old is the supply?

March 2009 – installed by HighWater (Scotland) Ltd

Q7. How good is the quality of the water supply?

Excellent

Q8. Please give a general description of the water (i.e. is it clear, murky)

Clear, clean and cold

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

Excellent quantity – never runs out

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

Underground plastic pipe

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

It services all properties on Glentruim Estate – Gate Lodge, Glentruim House, Pipers Cottage, Laundry Cottage/ Coach House

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Domestic use and consumption, as in holiday rental properties

Q15. Is any treatment provided to the water prior to use?

UV filtration and sediment prefiltration

Q16. Approximately what volume/ yield of water is consumer per day?

6L per minute is the yield, but volume consumed varies from day to day according to number of guests in residence

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?

Annual water testing carried out by The Highland Council Environmental Department

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?

Yes

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?

Yes

Q20. May we contact you for additional information if necessary?

Yes

Q21. Is there any other information you wish to provide about your water supply?

Annual service agreement with HighWater (Scotland) Ltd

Glentruim Estate, Newtonmore, PH20 1BD (ABS 9.1b)

Response Received:	14 February 2018 (letter)
From:	George Campbell
Address:	Kilchurn, West Ralia, New tonmore
Abstraction/ PWS Address:	Glentruim, New tonmore, Inverness-Shire, PH20 1BE

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Private supply from spring

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

As per map supplied (by CFJV)

Q3. (If it is a spring), do you know the exact location of the spring?

As per map supplied (by CFJV)

Q4. (If it is a well), how deep is the well?

N/A

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

N/A

Q6. How old is the supply?

Do not know

Q7. How good is the quality of the water supply?

Not good at all

Q8. Please give a general description of the water (i.e. is it clear, murky)

Used for farm use only, not domestic use

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

Farm use only

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

Very poor

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

Do not know supply setup

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Serves Glentruim Farm, fields etc. plus surrounding houses

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

For farm and stock use only

Q15. Is any treatment provided to the water prior to use?

No

<p>Q16. Approximately what volume/ yield of water is consumer per day?</p> <p>Stock use mainly have no idea!</p>
<p>Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?</p> <p>Not to my knowledge</p>
<p>Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?</p> <p>N/A</p>
<p>Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?</p> <p>No</p>
<p>Q20. May we contact you for additional information if necessary?</p> <p>Yes</p>
<p>Q21. Is there any other information you wish to provide about your water supply?</p> <p>None</p>

In addition to the questionnaire feedback received from the landowner, telephone consultation was undertaken by CFJV with a local resident of Shanvall (Mrs. Knox), Newtonmore, PH20 1BE on 1 February 2018. The feedback Mrs. Knox provided in relation to ABS 9.1b is summarised below.

- The PWS is sourced from a spring and used for domestic purposes at Shanvall.
- The spring is located in a forested area on the hillside to the south west of the property and a stream forms from this during periods of heavy rainfall. The water is stored in tanks on the hillside, prior to being conveyed to the property via pipework.
- The quality and quantity of water from the supply are good, with only occasional periods where it runs dry due to heavy consumption. A filter is also attached to the Shanvall property, to remove sediment and debris from the water, prior to use and consumption.
- Mrs. Knox also recommended CFJV contact the Hall family, who live at Kennel Cottage, Glentruim, Newtonmore, Inverness-Shire, PH20 1BE regarding the supply – as they may be able to provide additional information regarding it.

Invernahavon Caravan Site, Glentruim, PH20 1BE (ABS 9.2)

Response Received:	04 September 2017 (letter)
From:	Invernahavon Caravan Site
Address:	Invernahavon Caravan Site, Glentruim, PH20 1BE
Abstraction/ PWS Address:	Invernahavon Caravan Site, Glentruim, PH20 1BE

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Private supply

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

Next to Bridge of Truim, as in map enclosed (by CFJV)

Q3. (If it is a spring), do you know the exact location of the spring?

River Truim

Q4. (If it is a well), how deep is the well?

It's pumped to a tank above the caravan park

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

Don't know , at a guess 1,100 litres

Q6. How old is the supply?

?

Q7. How good is the quality of the water supply?

Good

Q8. Please give a general description of the water (i.e. is it clear, murky)

Clear

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

Good

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

Pipes

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Fernisdale and holiday park

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Holiday park use

Q15. Is any treatment provided to the water prior to use?

Yes

Q16. Approximately what volume/ yield of water is consumer per day?
<input type="text" value="?"/>
Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?
<input type="text" value="Yes"/>
Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?
<input type="text" value="-"/>
Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?
<input type="text" value="Yes septic tank, located further down the River Truim"/>
Q20. May we contact you for additional information if necessary?
<input type="text" value="Yes"/>
Q21. Is there any other information you wish to provide about your water supply?
<input type="text" value="No"/>

Invertruim Cottage, Glentruim, Newtonmore, PH20 1BD (ABS 9.3)

Response Received:	22 March 2017 (letter)
From:	Irene Hobday
Address:	Invertruim Cottage, Glentruim, Newtonmore, PH20 1BD
Abstraction/ PWS Address:	Invertruim Cottage, Glentruim, Newtonmore, PH20 1BD

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Probably a spring?

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

Situated on lawn, a square of concrete

Q3. (If it is a spring), do you know the exact location of the spring?

No

Q4. (If it is a well), how deep is the well?

Yes 25 feet approximately, water found without drilling deep

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

N/A

Q6. How old is the supply?

17 years

Q7. How good is the quality of the water supply?

Very good

Q8. Please give a general description of the water (i.e. is it clear, murky)

Clear

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

No

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

Piped

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

House only

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Domestic

Q15. Is any treatment provided to the water prior to use?

No

Q16. Approximately what volume/ yield of water is consumer per day?

Low domestic use i.e. kitchen. Both (illegible) daily plus say 3 toilet flushes

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?

Yes, few years ago. Thought it was the Water Board?

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?

Don't know

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?

Yes, emptied once in 17 years. It is 60 feet from north/ east cottage gable. The metal top is visible as wooden markers surround it.

Q20. May we contact you for additional information if necessary?

Yes

Q21. Is there any other information you wish to provide about your water supply?

I cannot find receipt for having septic tank emptied some years ago, I did not request it. Think the Council maybe arranged it.

Spey Bridge Caravan Park, Newtonmore, PH20 1BB (ABS 9.5)

Response Received:	28 July 2017 (letter)
From:	Georgina Binnie Leslie
Address:	Spey Bridge, Newtonmore, PH20 1BB
Abstraction/ PWS Address:	Spey Bridge Caravan Park, Perth Road, Newtonmore, Inverness-Shire, PH20 1BB

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Yes

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

As map enclosed from you (CFJV)

Q3. (If it is a spring), do you know the exact location of the spring?

N/A

Q4. (If it is a well), how deep is the well?

16 feet

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

N/A

Q6. How old is the supply?

1847

Q7. How good is the quality of the water supply?

Excellent

Q8. Please give a general description of the water (i.e. is it clear, murky)

Crystal clear

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

Excellent

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

It is a well

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

House and caravan site

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Domestic and commercial

Q15. Is any treatment provided to the water prior to use?

Yes – filtered UV

Q16. Approximately what volume/ yield of water is consumer per day?
Maximum 5 cubic metres
Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?
Yearly
Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?
Yes
Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?
Two septic tanks (house/ caravan site) yearly
Q20. May we contact you for additional information if necessary?
Yes
Q21. Is there any other information you wish to provide about your water supply?
No

Ralia Estate, Newtonmore, PH20 1BD (several)

A meeting between CFJV and Mr. Alasdair Findlay was held on 24 March 2017 regarding several private water supply and possible well features identified within land owned by Ralia Estate. The feedback Mr. Findlay provided in relation to each feature is summarised below, which was also supplemented by information obtained from HighWater (Scotland) Ltd and site walkovers (CFJV, March and November 2017) for some locations as noted, where relevant.

Ralia Beag/ Ptarmigan Cottage, Newtonmore, Inverness-Shire, PH20 1BD (ABS 9.4)

Ralia Beag and Ptarmigan Cottage were formerly supplied by a spring (located to the south of the existing A9 at the location approximated by THC (270728, 796711)), through an iron pipe approximately 4 inches in diameter and the supply was of good quality. However, Mr. Findlay advised that a bung has been placed in the pipe at the intake location and the properties were transferred to the public mains supply approximately 7 to 8 years ago (ca. 2010).

Nuide Farm, Kingussie, Inverness-Shire, PH21 1NR (ABS 9.6a and ABS 9.6b)

Mr. Findlay said the borehole PWS at Nuide Farm (**Photographs 1 and 2**) supports three residential buildings, a holiday let and a cattle farm for domestic and occasional agricultural purposes. He estimated that the borehole is 70 to 80 ft (20 to 25m) in depth, but consultation with HighWater (Scotland) Ltd suggested that it is 40m in depth. The borehole has a pump suspended at 35m, which delivers a pressurised supply to the properties via a tank (**Photographs 3 and 4**), with a 3000 litre capacity. From the tank, 50ml piping conveys water to the properties.

The exact consumption and yield of the supply is unknown, but Mr. Findlay estimated that more than one tank is consumed on average per day. Prior to the tank being installed (date unknown), the supply would regularly go dry. The quality of the water was described as good and no treatment is applied prior to its use or consumption.



Photograph 1: Borehole supply at Nuide Farm (272820, 798319)



Photograph 2: Borehole supply at Nuide Farm (272820, 798319)



Photograph 3: Tank at Nuide Farm (272820, 798319)



Photograph 4: Tank at Nuide Farm (272820, 798319)

In addition to ABS 9.6a above, Mr. Findlay identified another PWS to be present at Nuide Farm. The supply source is a surface water burn (Allt Eoghainn), with the intake point located on the southern side of the existing A9 (272780, 798120) (**Photograph 5**). The water is stored in a tank nearby the intake location and is conveyed to the opposite side of the carriageway via a pipe network.



Photograph 5: Intake and tank location for surface water supply at Nuide Farm (272780, 798120)

Mr. Findlay indicated that this was originally used as the PWS to the residential and holiday let properties at Nuide Farm on the opposite side of the carriageway, but that it is now solely used as a 'back-up' for ABS 9.6a during dry periods. It is also due to be re-instated for agricultural use.

Milton of Nuide, Ralia, Newtonmore, PH20 1BD (ABS 9.7)

Information received from THC identified a PWS sourced from surface water, supplying properties at Milton of Nuide. Consultation with Mr. Findlay identified that the supply is sourced from Lochan Odhar, which is located some distance south of the properties and greater than 1km from the existing A9 carriageway. From the intake point, the supply is conveyed to a tank (location unknown) with an approximate 2000 litre capacity and connected to the properties via pipework from there. The supply is used for domestic purposes and undergoes water filtration and UV treatment prior to use and consumption.

Inverton, Kingussie, Highland, PH21 1NR (ABS 9.8a and ABS 9.8b)

Information received from THC identified a PWS at Inverton, located approximately 350m north of the existing A9 and approximately 50m north of the Burn of Inverton. Consultation with Mr. Findlay and HighWater (Scotland) Ltd indicated that the supply comprises a borehole (**Photograph 6**) drilled in 2006 and approximately 60 to 70 feet (18 to 22m) in depth. It supplies one cottage property for domestic purposes and is connected to this directly via a suspended pump and pressurised supply through 25ml pipework.



Photograph 6: Borehole supply location at Inverton (274575, 799256)

Mr. Findlay described the water quality as good and while daily consumption usage is unknown, noted that it sufficient to supply the family living at the cottage.

Mr. Findlay also identified that the cottage at Inverton, as per ABS 9.8a above, formerly utilised a PWS sourced from a spring on the southern side of the existing A9 carriageway (**Photographs 7 and 8**). The spring was described to bubble out of the ground surface and was conveyed to the northern side of the road via 25ml iron piping. The spring water was described by Mr. Findlay to be of good quality, but it is now solely utilised as an agricultural supply to fields on the northern side of the carriageway. The location at which this pipework crosses the road is unknown, but is approximated to be situated between ch. 47,400 and ch. 47,600.



Photograph 7: Former spring supply at Inverton (274667, 798621) **Photograph 8:** Former spring supply at Inverton (274667, 798621)

Ralia Lodge, Ralia, Newtonmore, PH20 1BF (PW 9.1, PW 9.2 and PW 9.3)

Historical OS mapping indicated possible well features near Ralia Lodge and the Braes of Nuide woodland. Mr. Findlay confirmed that, while the lodge and associated buildings had a PWS in the past, these were connected to the public mains supply approximately 7 to 8 years ago (ca. 2010). The former supply was spring, from which water was stored in a tank and conveyed to the properties. The water was regularly peaty and brown, particularly when it rained.

CFJV walkovers (March and November 2017) to two of the locations (PW 9.2 and PW 9.3) (**Photographs 9 and 10**) confirmed that there was no PWS infrastructure present or in use, although pooling or possible upwelling of water was noted in the locality of PW 9.2.



Photograph 9: PW 9.2 location (271583, 797668)



Photograph 10: PW 9.3 location (272286, 798133)

Drumnanoich (PW 9.4) and Blar Odhar (PW 9.5)

Historical OS mapping indicated possible well features near Drumnanoich and Blar Odhar woodland. In each instance, Mr. Findlay identified that there are no current PWS present or in use in these areas that he is aware of. Site walkovers (CFJV, November 2017) were undertaken to further confirm this, identifying that PWS infrastructure was not present at any location.

Direct access to the location at Drumnanoich (**Photograph 11**) was not possible, however the it was observed from distance as being on a steep embankment adjacent to the existing A9. The other location at Blar Odhar woodland (**Photograph 12**) was observed to comprise a topographic low and boggy area at the woodland edge, with water collecting at the surface. This was considered likely to be a result of run-off associated with an upslope pocket of deep peat.



Photograph 11: PW 9.4 location (274338, 798851)



Photograph 12: PW 9.5 location (274533, 799044)

Ruthven Farm, Kingussie, PH21 1NR (ABS 9.9)

Response Received:	05 July 2017 (letter)
From:	Ruthven Farm, Kingussie
Address:	c/o CKD Galbraith, Reay House, 17 Old Edinburgh Rd. Inverness, IV2 3HF
Abstraction/ PWS Address:	Ruthven, Kingussie, Inverness-Shire, PH21 1NR

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Abstraction

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/or photograph?

See plan

Q3. (If it is a spring), do you know the exact location of the spring?

N/A

Q4. (If it is a well), how deep is the well?

N/A

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

N/A

Q6. How old is the supply?

Pre-2000

Q7. How good is the quality of the water supply?

Good

Q8. Please give a general description of the water (i.e. is it clear, murky)

Generally clear/ becomes murky during wet spells

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

Sustainable

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

Manhole ring into holding/ header tank into property

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Total of two houses and fields

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Domestic and agricultural

Q15. Is any treatment provided to the water prior to use?

UV Treatment

Q16. Approximately what volume/ yield of water is consumer per day?
 Summer is 2000 litres approximately

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?
 Unknown

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?
 Possibly

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?
 Septic tank – emptied once every 5 years

Q20. May we contact you for additional information if necessary?
 Yes

Q21. Is there any other information you wish to provide about your water supply?
 The supply crosses the A9 to the Kingussie side

Additional Information Provided: Hand-marked up plan of approximate A9 crossing point of supply

The map shows a plan view of the area around Ruthven Steading. A9 is shown as a road running from the bottom left towards the top right. The Ruthven Steading is located to the north of the road. A 'PWS Source Location' is marked with a black dot near the steading. A 'Possible Well' is marked with a black dot to the east of the steading. A north arrow is in the top right corner. Handwritten notes include: 'WHERE THE PRIVATE WATER SUPPLY IS BELIEVED TO CROSS THE A9. - - - - - THIS SECTION IS NOT CURRENTLY CONNECTED.' and 'RUTHVEN STEADINGS IS NOT OWNED BY NAT HONE'. Another note says '- THIS GROUND IS NOT OWNED BY NAT HONE'. A legend indicates '● Supplied properties'.

Photographs

CFJV walkover (November 2017) – ABS 9.9 location/ A9 crossing point



Photograph 1: South of presumed/ approximate ABS 9.9 location (276171, 799402)



Photograph 2: Drainage channel nearby presumed/ approximate ABS 9.9 location (276171, 799402)

Ruthven Farmhouse, Kingussie, PH21 1NR (ABS 9.10)

Response Received:	05 April 2017 (letter)
From:	Colin Cameron
Address:	Ruthven House, Kingussie, PH21 1NR
Abstraction/ PWS Address:	Ruthven House, Kingussie, PH21 1NR

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Borehole

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

As per the plan sent with this letter (by CFJV) (Ref SO-1358)

Q3. (If it is a spring), do you know the exact location of the spring?

N/A

Q4. (If it is a well), how deep is the well?

Borehole is 55m deep

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

N/A

Q6. How old is the supply?

15 years

Q7. How good is the quality of the water supply?

Excellent

Q8. Please give a general description of the water (i.e. is it clear, murky)

Pure and clear

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

High quality – never runs dry

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

Underground pipe

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Serves houses on your (CFJV) letter Ref SO-1358

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Domestic, B+B, 2 x holiday cottages (cottages detailed on your (CFJV) letter)

Q15. Is any treatment provided to the water prior to use?

Q16. Approximately what volume/ yield of water is consumer per day?

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?

Q20. May we contact you for additional information if necessary?

Q21. Is there any other information you wish to provide about your water supply?

Photographs:



Photograph 1: Ruthven Farmhouse PWS (276170, 799476)

Ruthven Steading, Ruthven, Kingussie, PH21 1NR (ABS 9.11)

Response Received:	21 August 2017 (letter)
From:	Judy and Jules Buckingham (owners since November 2016 (Previous owner J. Gibbons and J. Cushing))
Address:	Ruthven Steading, Ruthven, Kingussie, PH21 1NR
Abstraction/ PWS Address:	Ruthven Steading, Ruthven, Kingussie, PH21 1NR

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Yes – borehole

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

On your (CFJV) plan the location of the “PWS Source” is correct. The pipework is buried a few cms under the ground leading to the house. See our plan herewith.

Q3. (If it is a spring), do you know the exact location of the spring?

-

Q4. (If it is a well), how deep is the well?

Borehole – the depth of the borehole is 52 metres

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

-

Q6. How old is the supply?

Drilled in January 2016

Q7. How good is the quality of the water supply?

Excellent

Q8. Please give a general description of the water (i.e. is it clear, murky)

Clear

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

No

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

Very good

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

The only supply pipework is in the garden, leading from the source to the house.

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Our house plus our two self-catering holiday cottages

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Domestic for us and cottage clients

Q15. Is any treatment provided to the water prior to use?
 UV and filters

Q16. Approximately what volume/ yield of water is consumer per day?
 The sustainable yield from the borehole was measured to be 1,100 litres per hour

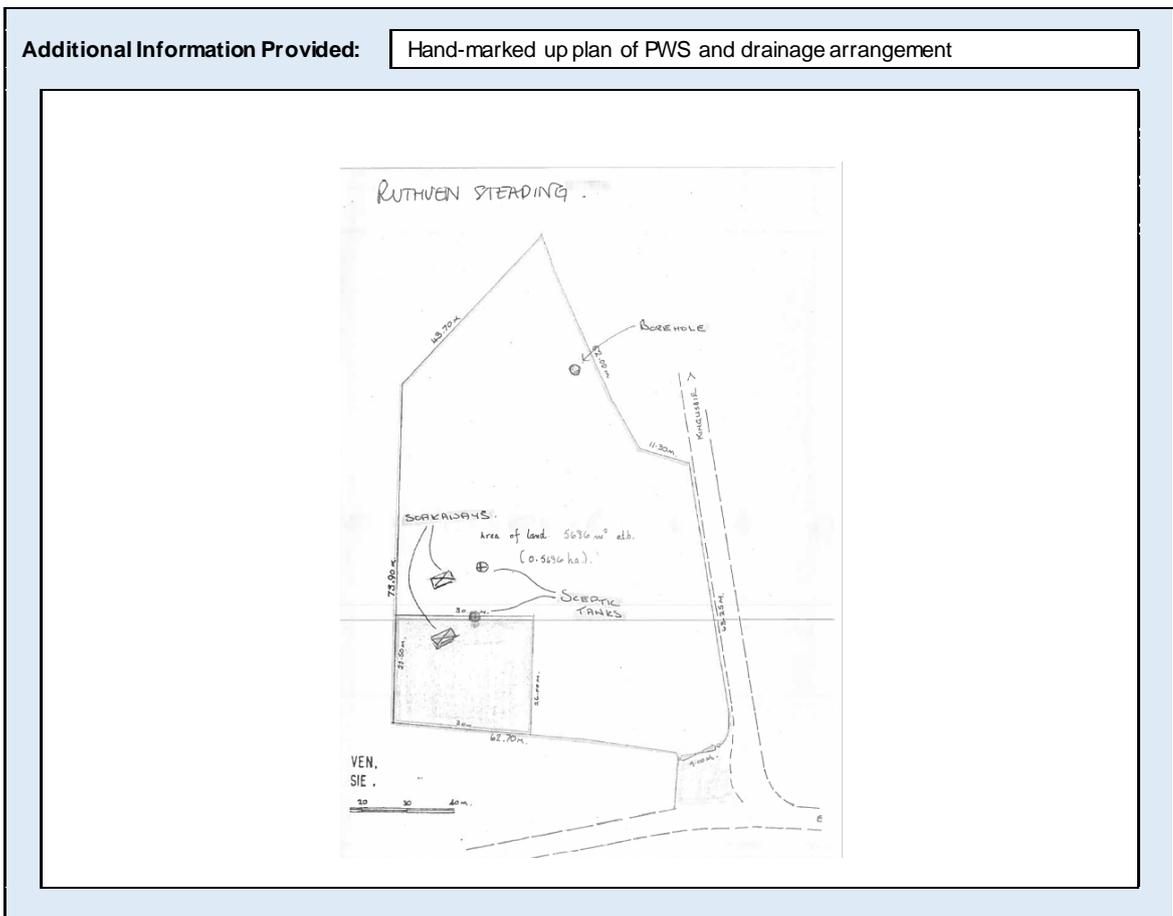
Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?
 Highland Council Environmental Health Department conduct annual tests. Tests reports are provided by Scottish Water.

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?
 Yes

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?
 There are 2 septic tanks (one for house and one for the two cottages) they are each emptied every 2 years. Location per drawing attached.

Q20. May we contact you for additional information if necessary?
 Yes. Telephone: 01540662328 or email: buckinham.judy@gmail.com

Q21. Is there any other information you wish to provide about your water supply?
 When the borehole was drilled bedrock was encountered 33m below ground level. The borehole was supplied by Highwater. Their Ref: Gibbons – Kingussie JK/MA. Also we have no knowledge of a “possible well” on the land to the west of Ruthven Steading.



Ruthven, Kingussie, PH21 1NR (PW 9.6 and PW 9.7)

Historical OS mapping identified two possible well features in the vicinity of the Ruthven Farmhouse (ABS 9.10) and Ruthven Steading (ABS 9.11) properties. Landowner consultation indicated that there are no current PWS present or in use in these areas. Site walkovers (CFJV, November 2017) were undertaken to further confirm this.

An existing outfall and resultant flushing (**Photographs 1 and 2**) were observed in the locality of the possible well located to the east of Ruthven Steading (PW 9.6), while a former drainage line was noted in the vicinity of the other located to the south of Ruthven Farm (PW 9.7) (**Photograph 3**). No PWS infrastructure was observed to be present at any of the locations. However, discussions with a local resident of Ruthven Park during the walkover identified that Ruthven Park (ABS 9.10), Ruthven Cottage (ABS 9.9) and Knappach Cottage (ABS 9.9) formerly had a shared private supply in the vicinity of the approximated location of PW 9.7, with the observed drainage line possibly representing a remnant of this.



Photograph 1: Metal debris nearby PW 9.6 location (276265, 799563) **Photograph 2:** Outfall and flushing at PW 9.6 location (276265, 799563)



Photograph 3: Possible drainage line near PW 9.7 location (276144, 799333)

Gordonhall, Kingussie, Inverness-Shire, PH21 1NR (ABS 9.12)

Response Received:	10 August 2017 (letter)
From:	Angus Reid-Evans
Address:	Taigh Nan Critheann, Gordonhall, Kingussie
Abstraction/ PWS Address:	Gordonhall, Kingussie, Inverness-Shire, PH21 1NR

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Borehole

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/or photograph?

Yes marked on attached plan

Q3. (If it is a spring), do you know the exact location of the spring?

Yes

Q4. (If it is a well), how deep is the well?

Borehole 127m deep

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

N/A

Q6. How old is the supply?

1-year

Q7. How good is the quality of the water supply?

Very good

Q8. Please give a general description of the water (i.e. is it clear, murky)

Clear no minerals above recommended amounts

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

Only if we pump it dry

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

-

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

Can pump it dry if hose left on for 1 hour

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

Direct supply with on demand pump

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Only our house

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Domestic

Q15. Is any treatment provided to the water prior to use?

Bone char, UV, coarse filter

Q16. Approximately what volume/ yield of water is consumer per day?

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?

Q20. May we contact you for additional information if necessary?

Q21. Is there any other information you wish to provide about your water supply?

Additional Information Provided:

Balavil Estate, Kingussie, Aviemore (ABS 9.13, ABS 9.14 and ABS 9.15) (Response 1)

Response Received:	4 July 2017 (letter)
From:	Balavil Estate
Address:	Balavil Estate, Kingussie, Aviemore, Inverness-Shire, PH21 1LU
Abstraction/ PWS Address:	Balavil Estate, Kingussie, Aviemore, Inverness-Shire, PH21 1LU

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Estate water is sourced from both private and mains, depending which part of Estate

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

Map included shows tank one and two positions and photos

Q3. (If it is a spring), do you know the exact location of the spring?

Yes I could show you all sources of water

Q4. (If it is a well), how deep is the well?

There are two wells each about 2 – 3 meter deep

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

House Tank One – 97cm x 497cm
Raitts Tank Two – 198cm x 353cm

Q6. How old is the supply?

Very, I imagine Victorian

Q7. How good is the quality of the water supply?

High quality, very natural

Q8. Please give a general description of the water (i.e. is it clear, murky)

Clear

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

Not noticed any problems

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No it's been fine

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

No it is a very strong flow

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

House Tank One – is a spring going straight to tank all underground then gravity fed.
Raitts Tank Two – open source gathering into tank then gravity fed to Estate

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Tank One – Services only main house
Tank Two – Services various Estate houses, farm and livestock troughs

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Both domestic and farm

Q15. Is any treatment provided to the water prior to use?
 No there is no treatment between source and use

Q16. Approximately what volume/ yield of water is consumer per day?
 2000 gallons per day

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?
 Since our ownership no testing has been done on water

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?
 No testing been done

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?
 All properties at Balavil have private drainage to septic tank which are emptied on a regular basis apart from farmhouse which is into Council facility

Q20. May we contact you for additional information if necessary?
 Yes 07703934411 01540661268 George Pirie

Q21. Is there any other information you wish to provide about your water supply?
 As we purchased the Estate with little in the way of water pipe maps it has taken us a while to understand their position

Additional Information Provided: Hand-marked up plan of PWS arrangement and tank photographs

The map is a hand-drawn site plan with several key features and annotations:

- PWS Source Locations:** Two points are marked with boxes and labeled "PWS Source Location".
- Possible Wells:** Several points are marked with boxes and labeled "Possible Well".
- Tanks:**
 - "TANK TWO RAITS" is labeled with an arrow pointing to a well area.
 - "TANK ONE BALAVIL HOUSE" is labeled with an arrow pointing to a well area.
 - "MOBILE HOME" is labeled with an arrow pointing to a well area.
- Other Annotations:**
 - "NEED TO ADD FARM BALAVIL HOME FARM" is written at the bottom with an arrow pointing to a specific location.
 - A legend at the bottom right shows a red dot labeled "Supplied properties".
 - A north arrow is located in the top right corner.

Photographs:

Photographs of tanks provided by Balavil Estate



Photograph 1: Photograph of PWS tank, provided by Balavil Estate



Photograph 2: Photograph of PWS tank, provided by Balavil Estate



Photograph 3: Photograph of PWS tank, provided by Balavil Estate

Balavil Estate, Kingussie, Aviemore (ABS 9.13, ABS 9.14 and ABS 9.15) (Response 2)

Response Received:	19 July 2017 (letter)
From:	Balavil Estate
Address:	Balavil Estate, Kingussie, Aviemore, Inverness-Shire, PH21 1LU
Abstraction/ PWS Address:	Balavil Estate, Kingussie, Aviemore, Inverness-Shire, PH21 1LU

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Estate Water is sourced from both private and mains depending which part of Estate

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

Map inc. shows tank one and two position and photos

Q3. (If it is a spring), do you know the exact location of the spring?

Yes I could show you all sources of water if required

Q4. (If it is a well), how deep is the well?

There are 2 wells each about 2-3 meter deep

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

House – Tanks One – 97cm x 497cm
Raits – Tank two – 198 x 353 cm

Q6. How old is the supply?

Very, I imagine Victorian

Q7. How good is the quality of the water supply?

High Quality very natural

Q8. Please give a general description of the water (i.e. is it clear, murky)

clear

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

Not noticed any problems

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

No it's been fine

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

No it's very strong flow

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

House Tank One – Is spring underground going straight to tank and then gravity fed to house
Raits Tank Two – Is open source gathering into tank then second tank and gravity fed to all of Estate

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

Tank One – Services only Main House
Tank Two – Services various Estate houses, farm and livestock

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Both Domestic and Farm

Q15. Is any treatment provided to the water prior to use?
 No there is no treatment between source and use

Q16. Approximately what volume/yield of water is consumer per day?
 2000 gallons per day

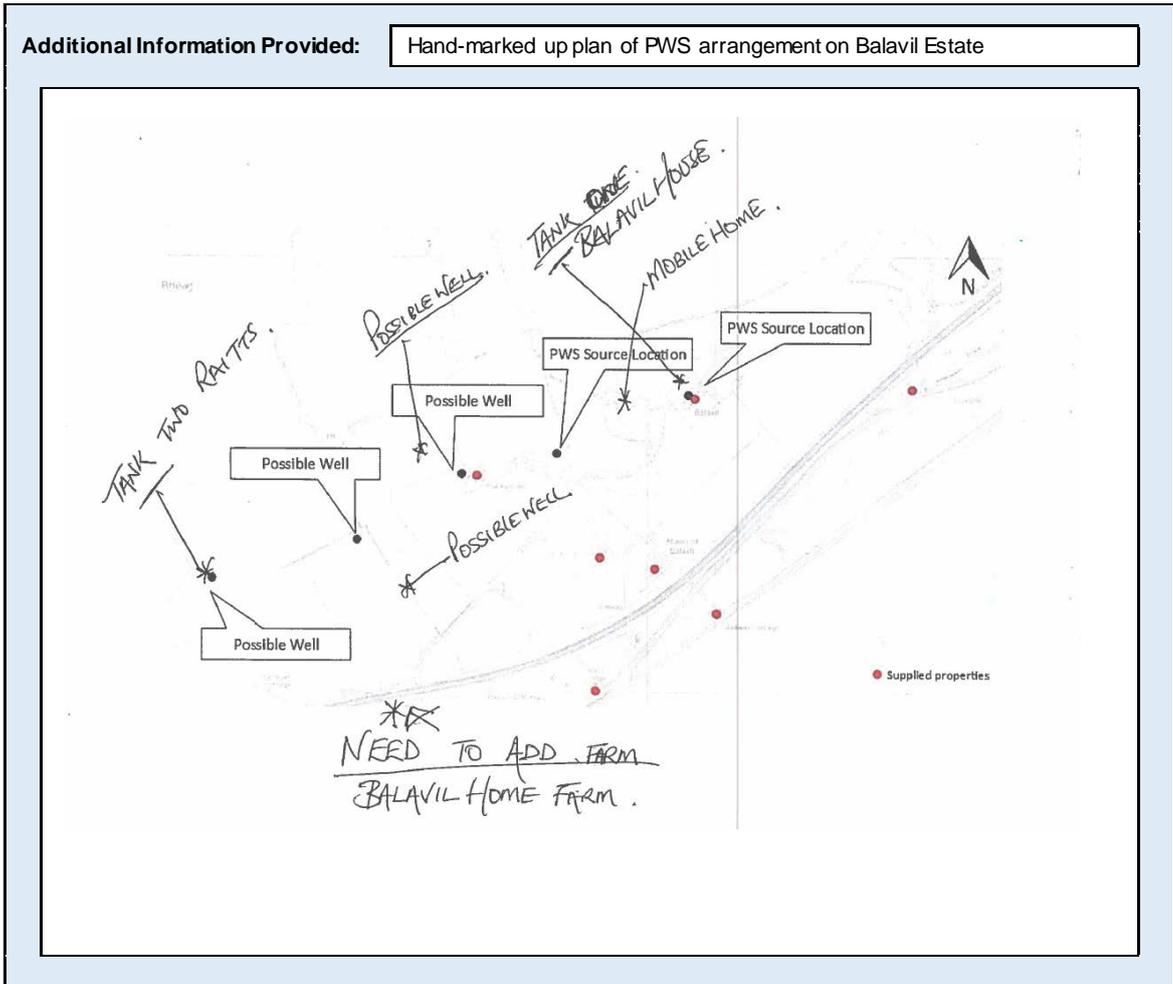
Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?
 Since our ownership no testing has been done on water

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?
 N/A

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?
 All properties at Balavil have private drainage to septic tank which are emptied on a regular basis apart from Farmhouse which is into Council facility

Q20. May we contact you for additional information if necessary?
 Yes 07703934411 Office 01540 661268 George Pirie

Q21. Is there any other information you wish to provide about your water supply?
 As we purchased the Estate with little in the way of water pipe maps it has taken us a while to understand their position on Estate



Photographs

Photographs of tanks provided by Balavil Estate



Photograph 1: Photograph of PWS tank, provided by Balavil Estate



Photograph 2: Photograph of PWS tank, provided by Balavil Estate



Photograph 3: Photograph of PWS tank, provided by Balavil Estate

Photographs

CFJV/ landowner walkover (August 2017) – ABS 9.13 intake and tank, ABS 9.15 tank and PW 9.11 possible location



Photograph 4: Tank linked to Balavil House supply (ABS 9.15)



Photograph 5: Possible remnants of former well (PW 9.11)



Photograph 6: Possible remnants of former well (PW 9.11)



Photograph 7: Surface water intake (ABS 9.13)

Farletter Cottage, Insh, Kingussie, PH21 1NU (ABS 9.17)

Response Received:	01 August 2017 (letter)
From:	Myrtle Simpson
Address:	Farletter, Insh, Kincaig, PH21 1NU
Abstraction/ PWS Address:	Farletter Cottage, Insh, Kingussie, PH21 1NU

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

Yes up to 2000 – now on mains

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

-

Q3. (If it is a spring), do you know the exact location of the spring?

-

Q4. (If it is a well), how deep is the well?

-

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

-

Q6. How old is the supply?

1968 - 2000

Q7. How good is the quality of the water supply?

-

Q8. Please give a general description of the water (i.e. is it clear, murky)

-

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

-

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

-

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

-

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

-

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

-

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

Garden

Q15. Is any treatment provided to the water prior to use?

-

Q16. Approximately what volume/ yield of water is consumer per day?

-

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?

-

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?

-

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?

Septic tank, 3 year empty, sited below house – loft of drive

Q20. May we contact you for additional information if necessary?

01540 651 288

Q21. Is there any other information you wish to provide about your water supply?

-

Additional Information Provided: Hand-marked up plan of septic tank location

Craig An Darach House, High Street, Kingussie, PH21 1JE (PW 9.9)

Response Received:	15 February 2017 (letter)
From:	Mr John Harkai
Address:	Craig an Darach, Kingussie, PH21 1JE
Abstraction/ PWS Address:	Craig An Darach House, High Street, Kingussie, PH21 1JE

Q1. Is your water sourced from a private supply or abstraction, such as a well, a spring or a tank?

No

Q2. Can you confirm the location of the supply, well, spring or tank and any associated pipework? If so, could you provide a plan and/ or photograph?

-

Q3. (If it is a spring), do you know the exact location of the spring?

-

Q4. (If it is a well), how deep is the well?

-

Q5. (If it is a tank), do you know the details, storage capacity and dimensions of the tank?

-

Q6. How old is the supply?

-

Q7. How good is the quality of the water supply?

-

Q8. Please give a general description of the water (i.e. is it clear, murky)

-

Q9. Have you ever noticed any unusual smells off the water/ coming from the supply? If so, please provide a brief description and time of year it occurred.

-

Q10. Has the water ever tasted funny (i.e. tasted off, tasted salty)? If so, please provide a brief description and time of year it occurred.

-

Q11. How good is the quantity of the water supply? Does the water run out in dry periods or fluctuate at certain times or seasons?

-

Q12. How is the water conveyed (carried) to your house/ field/ reservoir – do you know the location of the supply network (if relevant)?

-

Q13. Does this supply only service your house or does it service other houses/ fields/ reservoirs?

-

Q14. Is this supply for domestic use and consumption? Or other purposes (please detail)?

-

Q15. Is any treatment provided to the water prior to use?

-

Q16. Approximately what volume/ yield of water is consumer per day?

-

Q17. Has water chemical testing ever been undertaken and if so, how regularly, by who and for what parameters?

-

Q18. Can the results of chemical testing (above) undertaken on the supply or abstraction be made available?

-

Q19. Does your property have a private drainage system (i.e. septic tank)? If so, could you provide details on the location of the tank, discharge arrangement and how often it is emptied?

-

Q20. May we contact you for additional information if necessary?

Yes 01540 661 235 or 07974119025

Q21. Is there any other information you wish to provide about your water supply?

-

Torra Dhaimh, Ralia, Newtonmore, PH20 1BD (PW 9.15)

A possible well feature or abstraction point feature was observed during a site walkover (CFJV, November 2017) (**Photographs 1** and **2**). Subsequent consultation with THC and Scottish Water confirmed that the feature is not associated with or operated by these bodies.

Landowner consultation also did not confirm the status or use of the feature; however, it was suggested that it may be related to Ralia Café, located on the opposite side of the existing A9 carriageway. The owners of Ralia Café were contacted, but a response was not received.



Photograph 1: Possible well at Torra Dhaimh (269745, 796467)

Photograph 2: Metal apparatus near possible well (269745, 796467)