### SCHEDULE 1

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<tr>
<th>Licence</th>
<th>Scheme</th>
<th>Freshet condition number(s)</th>
<th>Fish lift / fish trap condition</th>
<th>Appendix</th>
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<tbody>
<tr>
<td>CAR/L/1011412/V2</td>
<td>Breadalbane</td>
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</table>

### General Notes:

1. Unless stated otherwise all times referred to in this document shall be local times, i.e. GMT or BST as appropriate to the time of year.

2. All freshet volumes released are in addition to the compensation flows unless otherwise stated.

3. All freshet start and end times are approximate, however SSE will endeavour to deliver the freshets as close to the stated time as practicable.

4. All Borland fish passes to operate between the stated dates except for periods of essential maintenance as authorised in writing by SEPA.

5. Where a day of the week is specified as the start of a freshet, the first freshet of the season shall be delivered starting on the first such day in the freshet season.

6. Where a freshet starts within the freshet season but would end beyond the end date, the full duration of the freshet shall be delivered as if it was within the freshet season.
APPENDIX 1
CAR/L/1011412 V2 - Breadalbane

FRESHETS

Licence condition – 4.2.5

NGR: NN 5073 4200

LOCATION: Stronuich

TOTAL AVAILABLE VOLUME: 9,546,600 m³ (in addition to compensation flows)

FREQUENCY: Release dates as specified below for 2019.

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<th>No</th>
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Two additional freshets will be available for release at the request of SEPA. Five working days' notice will be given for their release.

FRESHETS PROFILE: Freshet release commences at 15:00 the stated day, continues for 20 hours, finishing at 11:00 the following day and releasing a total volume of 340,957 m³/day. 28 freshets lasting 20 hours are available per annum.

TOTAL ALLOCATED VOLUME: 9,546,796 m³ per annum.
BORLAND FISH PASSES

**Licence condition – 4.3.1**

**NGR:** NN 5074 4192  
**LOCATION:** Stronuich Dam

- **OPERATING SEASON:** 1\textsuperscript{st} April – 30\textsuperscript{th} November (or following working day if 30\textsuperscript{th} falls on a weekend or public holiday).
- **NUMBER OF LIFTS PER DAY:** At least 3 lifts per day
- **TIMING OF LIFTING PHASE:** During daylight where possible
- **DURATION OF LIFTING PHASE:** 1 hour

**NGR:** NN 5437 3503  
**LOCATION:** Lochay Fish Pass Weir

- **OPERATING SEASON:** 1\textsuperscript{st} March – 30\textsuperscript{th} November (or following working day)
- **NUMBER OF LIFTS PER DAY:** At least 3 lifts per day
- **TIMING OF LIFTING PHASE:** During daylight where possible
- **DURATION OF LIFTING PHASE:** 1 hour
FRESHETS

NGR: NN 0453 2868  
LOCATION: Awe Barrage

TOTAL AVAILABLE VOLUME: 24,300,000 m$^3$ (in addition to compensation flows)

FRESHET SEASON: 1 May – 23 December

FREQUENCY: The following freshet regime shall be delivered subject to the baseline compensation flow being amended in the Awe CAR licence and the annual compensation and freshet totals not being exceeded:

- One freshet to be delivered to facilitate a kayaking event on the Saturday 27th April 2019. The freshet on this day shall deliver a volume of 300,000 m$^3$ over a period of 12 hours, i.e. the total flow including the compensation flow shall be increased to the equivalent of 1,500,000 m$^3$/day, starting at 08:00 and finishing at 20:00.

- Two freshets to be delivered to facilitate a kayaking event on Saturday 11th and Sunday 12th May 2019. The freshet on these days shall deliver a volume of 300,000 m$^3$ over a period of 12 hours, i.e. the total flow including the compensation flow shall be increased to the equivalent of 1,500,000 m$^3$/day, starting at 06:00 and finishing at 18:00 on each day.

- One freshet starting at 08:00 on the last Sunday in July and August, each of these freshets shall deliver a volume of 500,000 m$^3$ over one day (24 hours) i.e. the total flow including the compensation shall be increased to 1,500,000 m$^3$/day.

- One freshet starting at 08:00 on the last Sunday in September. This freshet shall deliver a volume of 600,000 m$^3$ over one day (24 hours) i.e. the total flow including the compensation shall be increased to 1,500,000 m$^3$/day.

- A total of six freshets, the first freshet commencing at 12:00 on the second Friday in October and commencing at 12:00 every second Friday thereafter. Where the sixth freshet would fall outside the freshet season above, it may be delivered earlier. Each freshet shall deliver a volume of 2,100,000 m$^3$ over three days (72 hours) i.e. the total flow including the compensation shall be increased to 1,500,000 m$^3$/day.

TOTAL ALLOCATED VOLUME: 18,000,000 m$^3$

SMOLT FRESHETS

A 'smolt freshet' shall be released when the following conditions occur:

- There are reliable reports of a build-up of smolts upstream of the Awe Barrage (this is likely to be by the fisheries board bailiff and/or fisheries trust biologist),

- No main machine running at Inverawe because of insufficient water,
SCHEDULE 2

- No planned machine running at Inverawe due to insufficient water / forecast rainfall, and,
- SSE receive a written request from SEPA that a release be made.

Each smolt freshet shall consist of the following actions:

- The flow will be maintained at the current level, i.e. either the normal compensation flow or a lower flow, based on the inflow to Loch Awe (condition 4.2.3 of the licence allows that when the inflow to Loch Awe falls below 15.785 m³/s the outflow shall be equal to the inflow).
- All the flow, apart from the fish pass flow, shall be passed via the freshet gate.
- The freshet will start on or about 19:00 and finish on or about 07:00 the following morning.

Notwithstanding condition 4.2.3 of the licence which limits the required flow if the flows entering Loch Awe are less than 15.785 m³/s
BORLAND FISH PASSES

Licence condition – 4.3.1

NGR: NN 0455 2870  LOCATION: Loch Awe Barrage

OPERATING SEASON: All year

NUMBER OF LIFTS PER DAY: 26th March – 30th September 4 per Day and 1st October – 25th March 2 per Day

TIMING OF LIFTING PHASE: From 26th March – 30th September, where possible, 3 during daylight and 1 at night. From 1st October to 25th March, 2 during daylight where possible.

DURATION OF LIFTING PHASE: 1 hour
APPENDIX 3

CAR/L/1011463 V2 – Shin

FRESHETS

Licence condition – 3.3.3

NGR: NC 3679 2029 LOCATION: Duchally

TOTAL AVAILABLE VOLUME: 2,864,038m³

FRESHET SEASON: 1st May – 30th September

FREQUENCY: 7 freshets per month.

FRESHETS PROFILE: 35 releases of 81,830 m³

No more than 3 consecutive daily (24hr) freshets.

If there is insufficient water for a freshet the allocation will be carried over to next month. Released when the flows start rising.

Licence condition – 3.3.5

NGR: NC 6321 1521 LOCATION: Dalnessie

TOTAL AVAILABLE VOLUME: 1,432,000m³

FRESHET SEASON: 1st April – 30th September

FREQUENCY: Released during periods of increased inflow.

FRESHETS PROFILE: 21 releases of 68,191 m³ where the natural flow upstream allows.
BORLAND FISH PASSES

Licence condition – 4.3.3

NGR: NC 5749 0695 LOCATION: Lairg dam

OPERATING SEASON: 1st April – 31st December (or following working day if 31st December falls on a weekend or public holiday)

NUMBER OF LIFTS PER DAY: At least 3 lifts per day

TIMING OF LIFTING PHASE: During daylight where possible

DURATION OF LIFTING PHASE: 1 hour

NGR: NC 5817 0511 LOCATION: Loch Shin diversion dam

OPERATING SEASON: 1st April – 31st December (or following working day if 31st December falls on a weekend or public holiday)

NUMBER OF LIFTS PER DAY: At least 3 lifts per day

TIMING OF LIFTING PHASE: During daylight where possible

DURATION OF LIFTING PHASE: 1 hour

NGR: NC 3680 2027 LOCATION: Duchally intake

OPERATING SEASON: 1st April – 30th November (or following working day if 30th November falls on a weekend or public holiday)

NUMBER OF LIFTS PER DAY: At least 3 lifts per day

TIMING OF LIFTING PHASE: During daylight where possible

DURATION OF LIFTING PHASE: 1 hour
APPENDIX 4

CAR/L/1011464 V2 – Conon

FRESHETS

Licence condition – 4.2.2

NGR: NH 3876 5797

LOCATION: Luichart

TOTAL AVAILABLE VOLUME: 11,592,530 m³
FRESHET SEASON: 1st June – 15th November

FREQUENCY: Twice per week

FRESHETS PROFILE: Freshet releases commence at 09:00 on Monday and continuing for 26 hours finishing at 11:00 on Tuesday and also on Friday at 09:00 continuing for 26 hours until 11:00 on Saturday. Each freshet shall release 159,110 m³.

TOTAL ALLOCATED VOLUME: 7,637,280 m³

Licence condition – 4.2.4

NGR: NH 3754 5600

LOCATION: Meig

TOTAL AVAILABLE VOLUME: 9,887,750 m³
FRESHET SEASON: 1st June – 31st October

FREQUENCY: Once per week

FRESHETS PROFILE: Freshet releases commence at 09:00 on Thursday continuing for 24 hours until 09:00 on Friday. Each freshet shall release a minimum of 36,000 m³.

TOTAL ALLOCATED VOLUME: 3,341,310 m³

ADDITIONAL NOTES
The unallocated volumes may be considered for release here or elsewhere as part of measures to deliver the second cycle of the river basin management plan.
SCHEDULE 2

**License condition – 4.2.6**

The freshet volumes for the Orrin are now available on request.

**NGR:** NH 4026 5035

**LOCATION:** Orrin

**TOTAL AVAILABLE VOLUME:** 4,625,666 m³

**FREQUENCY:** on request

**FRESHETS PROFILE:** As required

**License condition – 4.2.9**

**NGR:** either Vaich dam NH 3461 7496 or Glascarnoch dam NH 3455 7073

**LOCATION:** Blackwater

**TOTAL AVAILABLE VOLUME:** 2,618,549 m³

**FREQUENCY:** on request

**FRESHETS PROFILE:** As required

**BORLAND FISH PASSES**

**License condition – 4.3.3**

**NGR:** NH 3002 6148  
**LOCATION:** Loch a’ Chuilinn Dam

**OPERATING SEASON:** 1st July – 16th November (or following working day)

**NUMBER OF LIFTS PER DAY:** At least 2 lifts per day

**TIMING OF LIFTING PHASE:** During daylight where possible

**DURATION OF LIFTING PHASE:** 1 hour

**NGR:** NH 3881 5798  
**LOCATION:** Luichart Dam

**OPERATING SEASON:** 1st May – 16th November (or following working day)

**NUMBER OF LIFTS PER DAY:** At least 2 lifts per day

**TIMING OF LIFTING PHASE:** During daylight where possible

**DURATION OF LIFTING PHASE:** 1 hour
NGR: NH 3751 5602  LOCATION: Meig Dam
OPERATING SEASON: 1\textsuperscript{st} May – 16\textsuperscript{th} November (or following working day)
NUMBER OF LIFTS PER DAY: At least 2 lifts per day
TIMING OF LIFTING PHASE: During daylight where possible
DURATION OF LIFTING PHASE: 1 hour

NGR: NH 4026 5035  LOCATION: Orrin Dam
OPERATING SEASON: See freshet for operation details.

Additional Notes:
The Orrin Borland lift only acts as a mechanism for downstream passage. The fish trap below covers the upstream passage.

NGR: NH 4462 5454  LOCATION: Loch Achonachie Dam
OPERATING SEASON: 1\textsuperscript{st} April – 30\textsuperscript{th} November (or following working day)
NUMBER OF LIFTS PER DAY: At least 2 per day
TIMING OF LIFTING PHASE: During daylight where possible
DURATION OF LIFTING PHASE: 1 hour
SCHEDULE 2

FISH TRAPS

Licence condition – 4.3.3

NGR: NH 4041 5028

LOCATION: Orrin Dam

TYPE: Adult Fish Trap

OPERATING SEASON: 1st August – 30th November or other dates as agreed in writing, by exchange of emails between SEPA and SSE no less than 2 working days before the change is put into effect.

NGR: NH 3081 6181

LOCATION: Achanalt Dam

TYPE: Smolt Trap

OPERATING SEASON: 1st April – 15th June or other dates as agreed in writing, by exchange of emails between SEPA and SSE no less than 2 working days before the change is put into effect.

CAR LICENCE: CAR/L/1011873

NGR: NH 4285 5923

LOCATION: Loch na Croic

TYPE: Adult trap

OPERATING SEASON: Unless otherwise agreed with SEPA in writing, the fish trap shall be maintained and operated to facilitate the free passage of fish at all times except during the period 1 June to 31 December inclusive, during which time screens effective for preventing the passage of adult migratory fish may be provided.
FRESHETS

License condition – 4.2.6 & 4.2.7

NGR: NH 3255 3933

LOCATION: Beannachran

TOTAL AVAILABLE VOLUME: 13,638,000 m³ (in addition to compensation flows.)

FREQUENCY: To be released once per week commencing on the first Thursday in July on 15 occasions.

FRESHETS PROFILE: Freshet releases commence at 08:00 on Thursday continuing for 56 hours until 16:00 on Saturday. Each freshet shall release 910,136 m³.

TOTAL ALLOCATED VOLUME: 13,652,040 m³.

BORLAND FISH PASSES

License condition – 4.3.2

NGR: NH 3257 3936   LOCATION: Beannachran Dam

OPERATING SEASON: 1st May – 30th November (or following working day)

NUMBER OF LIFTS PER DAY: At least 3 lifts per day

TIMING OF LIFTING PHASE: During daylight where possible

DURATION OF LIFTING PHASE: 1 hour

NGR: NH 4743 4365   LOCATION: Aigas Dam

OPERATING SEASON: 1st April – 30th November (or following working day)

NUMBER OF LIFTS PER DAY: At least 2 lifts per day

TIMING OF LIFTING PHASE: During daylight where possible

DURATION OF LIFTING PHASE: 1 hour
SCHEDULE 2

NGR: NH 4940 4421    LOCATION: Kilmorack Dam

OPERATING SEASON: 1st April – 30th November (or following working day)

NUMBER OF LIFTS PER DAY: At least 2 lifts per day

TIMING OF LIFTING PHASE: During daylight where possible

DURATION OF LIFTING PHASE: 1 hour
FRESHETS

Licence condition – 4.2.2

The freshet volumes for the Cluanie are not delivered at present but available on request.

NGR: NH 1845 0981

LOCATION: Cluanie

TOTAL AVAILABLE VOLUME: 8,000,960 m³

Licence condition – 4.2.5

NGR: NH 3572 1565

LOCATION: Dundreggan (River Moriston)

TOTAL AVAILABLE VOLUME: 43,778,866 m³

FRESHET SEASON: 1st May - 31st October

FREQUENCY: Once per week

FRESHETS PROFILE: Freshet releases commence at 11:00 on Tuesday continuing for 29 hours until 16:00 on Wednesday.

Except for weeks beginning 20th May, 3rd June, 8th July, 29th July, and 9th September when the freshets shall be released as follows:

- Saturday 25th May starting at 05:00 continuing for 29 hours until 10:00 on Sunday.
- Saturday 8th June starting at 09:00 continuing for 29 hours until 14:00 on Sunday.
- Saturday 13th July starting at 09:00 continuing for 29 hours until 14:00 on Sunday.
- Saturday 3rd August starting at 10:00 continuing for 32 hours until 18:00 on Sunday.
- Saturday 14th September starting at 05:00 continuing for 29 hours until 10:00 on Sunday.

Each freshet shall release a minimum of 736,467 m³

NATURAL SPATES: The freshets at Dundreggan take into account natural spates and count one natural spate as one freshet.

TOTAL ALLOCATED VOLUME: 19,884,609 m³
Licence condition – 4.2.8

NGR: NH 2759 0202

LOCATION: Garry (Invergarry)

TOTAL AVAILABLE VOLUME: 27,640,239 m³

FRESHETS PROFILE: Freshet release commences at 08:00 on the stated day and continuing for 20 hours until 04:00 on the following day. Each freshet shall release a volume of 684,225 m³. 40 such freshets shall be released per annum as per the table below. Except freshets delivered on the Saturday 27th July and Sunday 15th September which will commence at 06:00 and continue for 13 hours until 19:00 releasing 444,746 m³.

TOTAL ALLOCATED VOLUME: 27,369,000 m³

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SCHEDULE 2

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**BORLAND FISH PASSES**

**Licence condition – 4.3.3**

**NGR:** NH 2760 0203  
**LOCATION:** Invergarry Dam

**OPERATING SEASON:** 1st March – 30th November (or following working day)

**NUMBER OF LIFTS PER DAY:** At least 3 per day

**TIMING OF LIFTING PHASE:** During daylight where possible

**DURATION OF LIFTING PHASE:** 1 hour

**NGR:** NH 3574 1562  
**LOCATION:** Dundreggan Dam

**OPERATING SEASON:** 1st March – 30th November (or following working day)

**NUMBER OF LIFTS PER DAY:** At least 3 per day

**TIMING OF LIFTING PHASE:** During daylight where possible

**DURATION OF LIFTING PHASE:** 1 hour
FRESHETS

**Licence condition – 4.2.5**

The freshet volumes for Errochty are currently used to supplement the compensation flows.

**Licence condition – 4.2.10**

**NGR:** NN 7215 5912   **LOCATION:** Dunalastair

**TOTAL AVAILABLE VOLUME:** 20,454,000 m³ (including the compensation flow)

**FRESHET SEASON:** From June to November

**FREQUENCY:** 15 releases to meet the above volume.

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**FRESHETS PROFILE:** Freshet releases commence at 14:00 on the stated day continuing for 47 hours until 13:00 on day three. Each freshet shall release 811,500 m³.

**TOTAL ALLOCATED VOLUME:** 12,172,500 m³/day (in addition to the compensation flow)

**Licence condition – 4.2.13**

**NGR:** NN 8843 6027   **LOCATION:** Clunie

**TOTAL AVAILABLE VOLUME:** 14,320,190 m³
SCHEDULE 2

FRESHET SEASON: 1st June – 30th September

FRESHETS PROFILE: Freshets shall be released weekly and shall commence at 16:00 on Friday continuing for 64 hours until 08:00 on Monday. Each freshet shall release 976,896 m$^3$.

TOTAL ALLOCATED VOLUME: 14,653,440 m$^3$

BORLAND FISH PASSES

Licence condition – 4.3.3

NGR: NN 4607 5680 LOCATION: Loch Eigheach dam

OPERATING SEASON: 1st March – 15th May (or following working day) – on flow through settings

16th May -30th November (or following working day) – on lift cycle settings

NUMBER OF LIFTS PER DAY: At least 3 per day

TIMING OF LIFTING PHASE: During daylight where possible

DURATION OF LIFTING PHASE: 1 hour
SCHEDULE 2

APPENDIX 8

CAR/L/1011854 V2 - Shira

FRESHETS

Licence condition – 4.2.2

NGR: NN 1274 1350   LOCATION: Shira

TOTAL AVAILABLE VOLUME: 2,909,499 m³

FRESHET SEASON: Freshet releases commence on the first Monday in June and continue every second Monday thereafter until a total of eight releases has been made.

FRESHETS PROFILE: Freshet releases commence on Monday at 10:00 continuing for 48 hours until 09:00 on Wednesday. Each freshet shall release 363,688 m³.

TOTAL ALLOCATED VOLUME: 2,909,504 m³
APPENDIX 9
CAR/L/1011896 V2 - Kingairloch

FRESHETS

Licence condition – 4.2.2

NGR: NM 8102 5469 LOCATION: Kingairloch – Loch Uisge Dam

TOTAL AVAILABLE VOLUME: 64,800 m$^3$ (including the compensation flow)

FRESHET SEASON: 1$^{st}$ May to 31$^{st}$ August

FREQUENCY: 3 per month for a total of 12 freshets.

FRESHETS PROFILE: Each freshet shall last for 10 hours and shall release a volume of 4,320 m$^3$.

NATURAL SPATES: Spill from the dam counts towards the freshet volume.

TOTAL ALLOCATED VOLUME: 51,840 m$^3$ (in addition to the compensation flow)
BORLAND FISH PASSES

**Licence condition – 4.3.3**

**NGR:** NN 1834 8386  
**LOCATION:** Mucomir Barrage

**OPERATING SEASON:** 1→ April – 30→ November (or following working day)

**NUMBER OF LIFTS PER DAY:** At least 4 lifts per day

**TIMING OF LIFTING PHASE:** Where possible 3 during daylight and 1 at night

**DURATION OF LIFTING PHASE:** 1 hour