

K	Water Permit (s14)	<u>To temporarily dam and divert water for construction purposes, and for the diversion of Kākā Stream.</u>
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Resource Consent:

Grants to: CCKV Maitai Dev Co Limited Partnership

Commencement Date:

Lapse Date: 10 years after ~~consent~~ commencement **dates**

Expiry date: No expiry

Location: 7 Ralphine Way, Maitai Valley, Nelson

The activity:

Water Permit (Section 14 RMA) to temporarily dam and divert water for construction purposes, and for the diversion of Kākā Stream. This includes consent under the NES-FW for any damming or diversion within 100m of a natural inland wetland.

Note: To be read in conjunction with (.....)

Subject to the following conditions:

General Conditions

1. The activity, **of temporarily damming and diverting water for construction purposes, and for the diversion of Kākā Stream**, shall be carried out in accordance with the application for resource consent, including any further information provided **by the Consent Holder**, and in accordance with the following conditions of consent. Where there is any apparent conflict between the application and consent conditions, the consent conditions shall prevail.

Specific Conditions of Consent

~~The development shall proceed in accordance with the plans A-X identified in Appendix A and labelled:~~

- ~~— Plan A RMxxxxxx —~~
- ~~— Plan B RMxxxxxx —~~
- ~~— Plan C RMxxxxxx —~~
- ~~— Plan D RMxxxxxx —~~

2. **The works shall proceed in accordance with the Maitahi Development Nelson – Preliminary Earthworks Plans (Davis Ogilvie, Updated July 2025), including the plans identified an Appendix A and labelled:**

Plan A	Dwg C001:	Overall Earthworks Plan
Plan B	Dwg C001:	Overall Earthworks Plan - Volumes
Plan C	Dwg C100:	Sheet 1
Plan D	Dwg C101:	Sheet 2
Plan E	Dwg C102:	Sheet 3
Plan F	Dwg C103:	Sheet 4
Plan G	Dwg C104:	Sheet 5
Plan H	Dwg C105:	Sheet 6
Plan I	Dwg C106:	Sheet 7

Plan J	Dwg C107:	Sheet 8
Plan K	Dwg C108:	Sheet 9
Plan L	Dwg C110:	Sheet 10
Plan M	Dwg C111:	Sheet 11
Plan N	Dwg C112:	Sheet 12
Plan O	Dwg C113:	Sheet 13
Plan P	Dwg C114:	Sheet 14
Plan Q	Dwg C115:	Sheet 15

- The Consent Holder shall advise the ~~Council's~~ **Nelson City Council's** (Council's) **Monitoring Officer** ~~Team Leader Environmental Compliance~~ in writing, at least 5 working days prior to works commencing on site, so that monitoring of the conditions of this consent can be undertaken. Please email regulatory@ncc.govt.nz and advise the consent number _____.
- At least 5 working days before the commencement of earthworks on site, the Consent Holder shall hold a pre-construction meeting with the Council's Monitoring Officer, the relevant supervising experts, lead contractor(s), and iwi. At this pre-construction meeting, the Consent Holder shall provide an explanation as to the works programme, monitoring and reporting requirements.

Staging

- The earthworks shall be carried out in stages in general accordance the Southern Skies Environmental Erosion and Sediment Control Assessment Report dated 31 January 2025 including the table below:

ESC Stage	Season	DO Earthworks Phase	Area (ha)	Approx. time	Notes
Stage 1A	1	1A	2.7	4 months	Early start / enabling works required. Staged stabilisation.
Stage 1B	1	1A	2.9a	4 months	Stage 1B expected to commence approximately ½ way through Stage 1A.
Stage 1C	1	1A, 1B, 1C	8.8	6 months	Stage 1C expected to commence approximately ½ way through Stage 1B. Stage 1A will be complete.
Unsuitable Borrow site	1		0.75	6 months	Staged and required for initial stripping of each area.
Valley Fill Site					Not expected that it will be required for Stage 1.
Stream diversion cut / construction	1		0.3	3 months	Staged offline construction of the new Kaka stream alignment.
Stage 2	2	4	1.88	6 months	Stage 2 and Stage 3 to be undertaken concurrently.
Unsuitable Borrow site	2		0.75	6 months	Staged and required for initial stripping of each area.
Valley Fill Site	2		2.23	6 months	Staged and required for Stage 2.
Stage 3	2	2	4.5	6 months	Stage 2 and Stage 3 to be undertaken concurrently.
Stage 4	3	3A, 3B	6.8	7 months	Enabling works stage to complete Kaka 5A and 5B permanent stream. Initial bulk earthworks occurring at the same time. Remaining earthworks following completion of steam works. Some areas within the SRP catchments to remain untouched (no earthworks).
Unsuitable Borrow site	3		0.75	6 months	Staged and required for initial stripping of each area.
Valley Fill Site	3		1.5	13 months	Staged and required for Stage 3 and Stage 4.

Māori Cultural Values

6. Prior to the commencement of any works authorised by this consent, all contractors and subcontractors engaged in the implementation of this consent shall participate in a cultural induction delivered by Ngāti Koata or their nominated representatives.

The purpose of the induction is to ensure that all personnel are aware of and understand the tikanga (customs), kawa (protocols), and culturally significant matters relevant to the area and the scope of the works.

A record of induction attendance shall be maintained by the Consent Holder and made available to the Council's **Monitoring Officer** and Te Taihū Iwi representatives upon request.

7. During all excavation activity, the Consent Holder shall ensure that a mandated cultural observer (iwi monitor) is available to oversee works. Iwi monitors shall determine, at their discretion, where direct monitoring is required, with the presumption that all ground disturbance activities are subject to monitoring unless otherwise advised by the iwi monitors.

8. Unless covered by an existing Archaeological Authority, in the event of any discovery of archaeological material:

- (a) the Consent Holder shall immediately:
 - i. Cease earthworks and mark off the affected area;
 - ii. Advise the Council **Monitoring Officer** of the discovery; and
 - iii. Advise Heritage New Zealand Pouhere Taonga of the discovery;
- (b) If the archaeological material is determined to be kōiwi tangata (human bones) or taonga (treasured artefacts) by Heritage New Zealand Pouhere Taonga, the Consent Holder shall immediately advise the office of Te Rūnanga o Ngāti Kuia Trust, Ngāti Apa ki te Rā Tō Trust, Te Rūnanga a Rangitāne o Wairau, Ngāti Koata Trust, Te Rūnanga o Ngāti Rārua, Te Rūnanga o Toa Rangatira, Ngāti Tama ki te Waipounamu Trust, and Te Ātiawa o te Waka-ā-Māui Trust (office contact information can be obtained from the Nelson City Council and the New Zealand Police) of the discovery; and
- (c) Work may recommence if Heritage New Zealand Pouhere Taonga (following consultation with rūnanga if the site is of Māori origin) provides a statement in writing to ~~the Council's~~ **Monitoring Officer** that appropriate action has been undertaken in relation to the discovery.

9. The Consent Holder shall work in partnership with Ngāti Koata Trust and other relevant iwi Pou Taiao to define appropriate indicators, monitoring locations, and reporting formats to integrate mātauranga Māori indicators of cultural health into the ~~stream~~ **receiving environment** monitoring methods.

The Consent Holder shall engage a suitably qualified cultural practitioner to carry out Cultural Health Index monitoring at 6 months, 12 months and 24 months from the first application of flocculant. Should any cultural effects arise from this monitoring that can be directly attributed to the discharge of flocculants, the applicant shall resolve and remediate the issues with the appropriate iwi authority.

All iwi engagement, **monitoring**, and remediation works shall be carried out at the Consent Holder's expense.

Site Specific Erosion and Sediment Control Plans (SSESCPs)

10. The SSESCPs shall be generated for each construction area as identified in Appendix C – Site Specific Erosion and Sediment Control Plans in the Southern Skies Environmental Erosion and Sediment Control Assessment Report ~~Maitahi Village~~. The areas that have identified requirements for SSESCPs are shown in the table below:

Reference number	Title	Revision	Date
ESCP-000-00	Erosion and Sediment Control Plan – Staging Index	A	15.06.24
SSESCP-001	Site Specific Erosion and Sediment Control Plan – Stage 1	A	20.05.24
SSESCP-002	Site Specific Erosion and Sediment Control Plan – Stage 2	A	23.05.24
SSESCP-003	Site Specific Erosion and Sediment Control Plan – Stage 3	A	17.06.24
SSESCP-004	Site Specific Erosion and Sediment Control Plan – Stage 4	A	09.07.24
SSESCP-SW-01	Site Specific Erosion and Sediment Control Plan – Kaka Stream Diversion	A	26.05.24

11. No less than 10 working days prior to the commencement of any site development works, in any of the areas covered by a SSESCP, the Consent Holder shall provide the SSESCP to Council's ~~Monitoring Officer Team Leader Environmental Compliance~~ for **approval review**.
12. Each SSESCP shall be ~~prepared using~~ generated with the following principles:
- Emphasis will be given to the importance of erosion control at all sites to minimise the risk of sediment discharge. This will be achieved with structural (physical measures) and non-structural (methodologies and construction staging) erosion control measures.
 - Sediment control will be utilised to treat sediment-laden runoff from all exposed earthworks areas.
 - Earthworks and construction water management measures will be confirmed in the SSESCPs which will allow for flexibility and practicality of approach to ~~ESC~~ **erosion and sediment control** and allow the ability to adapt appropriately to specific site conditions.
 - Progressive and rapid stabilisation, both temporary and permanent, of disturbed areas using mulch, aggregate and geotextiles will be on-going during the earthworks phase. Temporary stabilisation will apply particularly with respect to stockpiles, ground improvement locations where topsoil is removed, concentrated flow paths and batter establishment. Stabilisation is designed for both erosion control and dust minimisation.
 - Streamworks and works in the vicinity of streams will be undertaken in a manner that recognises the higher risk of this activity from a sediment generation and discharge perspective, and the sensitivity of the receiving environments. Works within active stream channels will be undertaken in a “dry” environment by working off-line or diverting upstream flows.
 - Comprehensive site monitoring and management will allow for continuous improvement in response to monitoring outcomes on an ongoing basis. Monitoring will include visual inspection of the construction water management devices and the downstream environment.
13. Each SSESCP shall contain as a minimum, the following information:
- the specific construction activity to be undertaken;
 - the area of earthworks, and/or the nature of the stream works at specific locations, and
 - identification of the downstream receiving environment;

- iv) the locations of all earthworks and/or stream works;
 - v) methods for managing construction water effects for specific activities;
 - vi) the duration of the earthworks and/or stream works;
 - vii) the time of the year that the stream works are to be undertaken, and where applicable,
 - viii) the measures to be implemented to respond to any heightened weather risks at that
 - ix) time;
 - x) stabilisation methods and timing to reduce the open area at key locations to assist with
 - xi) a reduction in sediment generation;
 - xii) chemical treatment (flocculation) at SRPs **sediment retention ponds** and **decanting earth bunds** DEBs; and; and
 - xiii) the following details for dust management:
 - o Identification of potential dust sources on the site;
 - o Methods to suppress or control dust (e.g. use of water carts, chemical dust suppressants, stabilisation of exposed surfaces);
 - o Monitoring procedures, including daily site inspections and weather condition assessments;
 - o Response procedures for dust complaints or exceedances;
 - o Identification of a site representative responsible for implementing the DMP.
14. Any of the SSES CPs may be amended at any time by the Consent Holder, however any amendments shall be submitted to Council's **Monitoring Officer Team Leader Environmental Compliance** for approval. If the amended SSES CP is approved, then it becomes the certified plan. Any amendments to ~~the a~~ SSES CP shall be:
- a. For the purposes of improving the measures outlined in the SSES CPs for achieving the SSEC P purpose;
 - b. Consistent with the conditions of this resource consent; and
 - c. Prepared by a **SQEP** suitably qualified expert or experts.

Iwi Engagement and Reporting - SSES CP

- 15. **Prior to certification, the Consent Holder shall provide any SSES CP to Te Taiu hu Iwi Pou Taiao no less than 20 working days prior to the commencement of any site works authorised under this consent. The purpose of this provision is to support iwi review, promote cultural and environmental oversight, and allow for any feedback on the SSES CP content before implementation.**
- 16. **The Consent Holder shall maintain a record of all correspondence, including the dates the relevant SSES CP was provided, any feedback received, and recommended actions included within the SSES CP**
- 17. **The Consent Holder shall maintain a record of all correspondence, including the dates the SSES CPs were provided and any feedback received.**
- 18. **In addition, the Consent Holder shall establish and maintain regular communication with Te Taiu hu Iwi Pou Taiao for the duration of works.**
- 19. **Project updates shall be provided in writing at intervals of no more than six (6) weeks apart, starting from the date of site establishment.**

20. **These updates shall include (but not be limited to) the status of works, any incidents, environmental monitoring outcomes, and responses to iwi concerns.**
21. **All such correspondence shall be copied to the Council's Monitoring Officer, and a full record shall be retained by the Consent Holder and made available on request by iwi.**

Dust Management – General Requirements

22. The Consent Holder must undertake all earthworks in a manner that avoids, as far as practicable, the generation of visible dust beyond the boundary of the site. No visible dust must be discharged beyond the boundary that causes an offensive or objectionable effect.
23. The Consent Holder shall implement all dust control measures specified in the certified SS ESCVP throughout the duration of the earthworks.
24. The Consent Holder shall proactively monitor weather forecasts and implement additional dust suppression measures on days where dry and/or windy conditions are forecast, including:
 - Increasing the frequency or intensity of water application;
 - Temporarily suspending earthworks where effective dust suppression cannot be achieved.
25. The Consent Holder shall ensure that any exposed earth surfaces that are not actively worked for more than 14 consecutive days are stabilised by means such as hydroseeding, mulching, or geotextiles to prevent dust emissions.
26. The Consent Holder must maintain a complaints register for dust-related issues. The register must include:
 - The nature, date, and time of the complaint;
 - Weather conditions at the time of the complaint;
 - Actions taken in response.
 - This register must be made available to Council's **Monitoring Officer** upon request.

Erosion and Sediment Control Monitoring Plan

27. All earthworks on site shall be supervised and monitored by **SQEPs** ~~suitably qualified and experienced professionals~~ in accordance with the Erosion and Sediment Control Monitoring Plan provided in Appendix B ~~– Erosion and Sediment Control Monitoring Plan in of~~ the Southern Skies Environmental Erosion and Sediment Control Assessment Report ~~Maitahi Village~~.

Monitoring of Erosion and Sediment Control Measures

28. **In the event of failure of any erosion and sediment control measures and/or an event resulting in erosion and sedimentation, the Consent Holder shall notify Council's Monitoring Officer of the incident no later than 24 hours following the incident. The notification shall include, but not be limited to the following:**
 - i. Time and date of the incident**
 - ii. Details of the nature of the incident, including the cause, scale of the incident and any effects that the incident has imposed on the receiving environment.**
 - iii. Any measures taken to prevent further effects.**

Chemical Treatment Management Plan (CTMP)

29. All chemical treatment and dosing of earthworked areas on site shall be designed, maintained, supervised and monitored by suitably qualified and experienced professionals in accordance with the Chemical Treatment Management Plan provided in Appendix A – Chemical Treatment Management Plan in the Southern Skies Environmental Erosion and Sediment Control Assessment Report ~~Maitahi Village~~.

Construction Noise and Vibration Management Plan (CNVMP)

30. Prior to any earthworks commencing on site, The Consent Holder shall prepare a Construction Noise and Vibration Management Plan (CNVMP). This Plan shall be forwarded no later than 10 working days prior to works commencing to Council's ~~Monitoring Officer Team Leader Environmental Compliance~~ for **approval review**. The CNVMP shall be prepared in accordance with the Styles Group Construction and Noise Vibration Assessment – Maitahi Village **dated 11 June 2025**. The objective of the CNVMP is to set out the methods and procedures that will be used to ensure compliance with the hours of work and noise and vibration controls in these conditions.
31. The CNVMP shall provide as a minimum, the following details:
- a) The relevant conditions setting out limits on noise levels, vibration levels and hours of work
 - b) The programme of works and consented hours of construction work.
 - c) Identification of surrounding noise sensitive receivers.
 - d) A specific section that sets out the noise mitigation measures that must be observed for construction works that are within 100m of the **property boundary of any** Ralphine Way Receivers. This section should set out the specific limits and mitigation measures that the constructor will need to observe to ensure compliance with the consented noise limits. This includes procedures to ensure compliance with the requirement to ensure that heavy construction vehicles do not access the Site, via Ralphine Way, or queue to enter the site via Ralphine Way, outside of the hours of 0730 to 1800 Monday to Saturday.
 - e) Procedures for ensuring that the Consent Holder provides receivers on Ralphine Way with ongoing and regular updates throughout the various stages of construction work so that receivers have advanced notice of the approximate dates and duration of the busiest and noisiest construction activities on site that may affect receivers on Ralphine Way.
 - f) Written communication with occupants of all dwellings on Ralphine Way of the works in writing at least ten (10) days prior to the commencement of activities on site. The written advice shall set out:
 - (i) a brief overview of the construction works
 - (ii) the working hours and expected duration
 - (iii) all mitigation measures to be implemented
 - (iv) the procedure for recording concerns/complaints regarding noise.
32. The CNVMP shall address the requirements of Annex E of NZS 6803:1999 Acoustics – Construction Noise and the AAAC Guideline for interpreting and applying NZS 6803:1999 as a minimum. The CNVMP and any amendments must be prepared by a suitably qualified acoustics consultant (e.g., MASNZ). Amendments that include changes to the construction methodology must be tracked and any revised CNVMP shall be submitted to Council's ~~Monitoring Officer Team Leader Environmental Compliance~~ for **approval review**.
33. All construction works on the site shall be carried out in accordance with the CNVMP and a copy of the CNVMP must be kept on site during construction hours.

34. All construction works on the site shall be designed and conducted by a suitably qualified and experienced professional to ensure that the construction vibration does not exceed 5mm/s PPV when measured within 500mm of ground level on the foundation or structure of any building on another site. Vibration shall be measured and assessed in accordance with the German Standard DIN 4150-3:2016 Structural vibration – Effects of vibration on structures.
35. Construction noise levels generated from the Site shall comply with the following limits, when measured and assessed 1m from the façade of any occupied dwelling or building on any other site in accordance with NZS 6803:1999: Acoustics – Construction Noise:

Time Period	Maximum noise levels	
	L _{Aeq} (15min)	L _{AFmax}
07:00am to 07:30am, Monday to Saturday	55 dB	75 dB
07:30am to 6:00pm, Monday to Saturday	70 dB	85 dB
At all other times and on Public Holidays	45 dB	75 dB

36. Construction hours
- The permitted days and hours of construction work are:
 - Monday to Friday 07:00 to 18:00
 - Saturday 08:00 to 13:00 for construction work within 100m of any occupied dwelling on Ralphine Way.
 - Saturday 07:00 to 17:00 for construction work more than 100m from any occupied dwelling on Ralphine Way
 - Heavy vehicle movements using the Ralphine Way access are limited to between 0730 and 1800 Monday to Friday and 0800 and 1700 on Saturdays
 - No construction work is permitted on Sundays or Public Holidays.
 - The CNVMP may authorise some work to take place at other times where the CNVMP demonstrates that those works will comply with the construction noise limits in ~~condition 35~~ (for example, light vehicle movements, works well separated from any receivers, site meetings, electrical fitout, painting etc).

Ecological Restoration Plan (ERP)

37. Prior to the commencement of any vegetation clearance or earthworks within the Project Area, the Consent Holder shall prepare and submit an Ecological Restoration Plan (ERP) for approval by ~~the Council's~~ **Monitoring Officer**. The ERP must be prepared by a Suitably Qualified and Experienced Ecologist and must cover all terrestrial, riparian, stream, and wetland restoration and enhancement areas within the Project Area, including the 120 ha Kākā Hill restoration site.
38. The ERP must:
- Be prepared by a Suitably Qualified and Experienced Freshwater Ecologist and be peer-reviewed by an independent SQEP with relevant ecological and restoration expertise.**
 - State clear restoration and enhancement objectives for all areas, including those within the Project Area and the 120 ha Kākā Hill site. Objectives must include:

- Achieving no-net-loss of indigenous biodiversity values;
 - Enhancing biodiversity, ecological connectivity, and habitat condition across terrestrial, riparian, wetland, and stream ecosystems;
 - Re-establishing self-sustaining, resilient native ecosystems representative of the Bryant Ecological District;
 - Avoiding, remedying, or mitigating adverse effects on adjacent Significant Natural Areas (SNAs) and any Threatened or At Risk indigenous species that may use the restoration areas.
- c) Include the following component management plans:
- A Stream Restoration Plan (SRP); ~~prepared in accordance with Condition 31;~~
 - A Wetland Restoration Plan (WRP);
 - A Lizard Management Plan (LMP).
- b) Define measurable performance standards for each habitat type, including:
- Minimum 80% native vegetation survival at Year 3;
 - Canopy closure or vegetative cover thresholds appropriate to habitat type;
- Advice Note:** The SRP includes performance standards specific to the realignment and restoration of Kākā Hill Tributary.
- d) Provide spatial planting plans for all restoration and enhancement areas, including:
- Plant species lists tailored to each ecological zone;
 - Eco-sourcing requirements;
 - Planting densities and layout;
 - Habitat zonation appropriate to the Bryant Ecological District.
- e) Set out implementation milestones and schedules, including indicative timing and sequencing of planting and site works.
- f) Identify site preparation and maintenance methods, including:
- Weed control and invasive species management;
 - Pest animal control measures;
- g) Require that the removal of native woody vegetation be undertaken outside the peak bird breeding season (August to February inclusive), unless a Suitably Qualified and Experienced Ecologist confirms in writing to Council's Monitoring Officer that no active nests are present in the area to be cleared.
- h) Include a monitoring and reporting programme for each restoration component, specifying:
- Frequency and duration of monitoring;
 - Success indicators linked to performance standards;
 - Adaptive management triggers and corrective actions.
- i) Describe mechanisms for long-term protection and management, including:
- Legal protection (e.g. covenants, consent notices);
 - Ongoing maintenance responsibilities;
- j) Ensure all planting follows appropriate guidance for the Bryant Ecological District (e.g., Courtney et al. 2003).
39. All restoration and enhancement ~~works~~ must be implemented and maintained in accordance with the approved ERP.

Stream Restoration Plan (SRP)

40. As part of the ~~Ecological Restoration Plan (ERP)~~, the Consent Holder must prepare and submit a Stream Restoration Plan (SRP) for approval by the Council's **Monitoring Officer** ~~Manager of Consents~~ prior to the commencement of any stream realignment works, or associated construction that may impact freshwater ecological values. The SRP must:

- a) **Be prepared by a Suitably Qualified and Experienced Freshwater Ecologist and be peer-reviewed by an independent SQEP with relevant ecological and restoration expertise.**
- b) State objectives for the realignment and restoration of Kākā Stream and affected tributaries (KHT1–KHT4), including:
 - Achieving functional aquatic ecosystems that support indigenous fish and macroinvertebrate communities;
 - Enhancing ecological connectivity and stream–riparian interactions;
 - Restoring natural geomorphic processes and stream habitat diversity.
- c) Establish current baseline conditions for reaches KHT1–KHT4. This must include:
 - Channel morphology (including cross-sectional profiles, substrate composition, and longitudinal profiles);
 - Stream Ecological Valuation (SEV) assessment; and
 - Characterisation of hydrological regime (e.g., baseflow and permanence).
 - Baseline data will inform performance standards and monitoring triggers.
- d) Include detailed landscape plans prepared by SQEP that integrate best practice stream design principles and demonstrate alignment with the restoration objectives outlined in clause (b).
- e) Confirm, using the ~~Stream Ecological Valuation (SEV)~~ method, that the proposed restoration works will result in adequate SEV uplift and appropriate Environmental Compensation Ratios (ECRs) for offsetting stream loss, based on final design. This assessment must be consistent with the approach set out in the Stream Mitigation Assessment (SMA; **Robertson Environmental, dated 10 July June 2025**) and demonstrate that ECRs meet or exceed those calculated in the SMA, or otherwise demonstrate that no net loss in stream ecological value will occur.
- f) Identify and map the spatial extent of all stream restoration works, and demonstrate that the total offset area is sufficient to meet the ECR required based on final impact and restoration SEV scores.
- g) Define measurable performance standards, including but not limited to:
 - Minimum SEV uplift targets of ≥ 0.1 SEV units compared to baseline;
 - Minimum 80% riparian vegetation survival.
 - Performance standards must be met within five years of completion of physical restoration works, unless otherwise agreed with ~~the Council's~~ **'s Monitoring Officer** ~~Manager of Consents~~ based on monitoring evidence and SQEP advice.
- h) Specify monitoring protocols and frequency, using the pre-construction survey as a baseline. **Monitoring must occur annually for 5 years post-restoration or until all performance standards have been met, whichever is later** ~~Monitoring must occur annually for 5 years post-restoration~~, and include:
 - Repeat SEV assessments;

- Macroinvertebrate and fish surveys;
 - Riparian vegetation survey.
 - ~~Monitoring must occur annually for 5 years post-restoration or until all performance standards have been met, whichever is later.~~
- i) Define adaptive management triggers and responses. If monitoring indicates failure to meet any performance standard, the SRP must outline:
- Diagnostic steps (e.g. site inspections, root cause analysis, further sampling);
 - Remedial actions (e.g. infill planting, channel re-grading, fish passage remediation);
 - Timelines for remedial actions and subsequent monitoring to confirm effectiveness.
- j) Be prepared by a Suitably Qualified and Experienced Freshwater Ecologist and be peer-reviewed by an independent SQEP with relevant ecological and restoration expertise.
- k) Include a Fish Salvage and Relocation Plan (FSRP), prepared by a Suitably Qualified and Experienced Freshwater Ecologist, specifying:
- Methods for fish capture and relocation during all stream works (including any culvert installation or removal);
 - Timing of works to avoid sensitive fish migration or spawning periods;
 - Holding and release protocols, including suitable release sites; and
 - Documentation and reporting requirements.
- l) Include reporting mechanisms, such as an annual SRP compliance and monitoring summary report to the Council's **Monitoring Officer** ~~Manger of Consents~~, demonstrating progress toward objectives, outcomes, and any adaptive actions taken.
41. All **aspects of** stream restoration ~~works~~ must be implemented and maintained in accordance with the approved SRP.

Ecology

42. **Prior to any works commencing, the Consent Holder shall provide to the Council's Monitoring Officer a letter of engagement confirming the SQEP Ecologist's availability to undertake the site briefing, best practice advice, supervision, reviews and inspections of the proposed works during the implementation of this consent.**
43. **Prior to any earthworks commencing, the Consent Holder shall ensure the SQEP Ecologist briefs and contractors undertaking the works, including any methods that must be employed by the contractors to minimise potential adverse effects on ecological values at the commencement of works in accordance with best practice and the ERP.**
44. **All machinery used on the site shall be refuelled at least 20 metres away from any watercourse. Refuelling and maintenance work shall be undertaken in such a manner as to prevent contamination of land and surface water. If spillage of any contaminants into any watercourse or onto land occurs, this shall be adequately cleaned up so that no residual potential for contamination of land and surface water runoff from the site occurs. If a spill of more than 20 litres of fuel or other hazardous substances occurs, the Consent Holder shall immediately inform the Council's Monitoring Officer and undertake all necessary remedial actions immediately.**
45. **Machinery and equipment shall not be cleaned within 10 metres of the bank of any open watercourse.**
46. **All reasonable endeavours shall be taken by the applicant to ensure machinery shall be free of plants and plant seeds prior to entering the construction area.**

Kākā Stream Diversion

47. The Kākā Stream shall not be diverted through, or adjoining the area identified as contaminated land until the site has been remediated in accordance with the Remediation Action Plan (RAP) and to the satisfaction of the Ecology and Contaminated land SQEP, and the Site Validation Report confirms that the diversion will avoid contaminant-related adverse effects on aquatic ecological values within the freshwater receiving environment, including the Maitai River.

Stream Construction Methodology

48. The new Kākā Stream channel shall be constructed in stages and offline from the existing stream alignment to avoid in-stream works. The new channel shall be fully constructed and stabilised prior to diverting flows from the existing stream into the new alignment. The project ecologist shall also certify that the construction meets the stream design and ecological objectives ~~required by Condition 37(a) and (c)~~ of the watercourse, prior to any diversion to the new alignment commences.

Decommissioning of Old Channel – Reclamation

49. Within 10 working days of diverting flows into the new **Kākā** stream channel, the Consent Holder shall decommission (**reclaim**) the existing Kākā Stream channel and incorporate it into the general earthworks area, in accordance with the approved Stage 1 Site-Specific Erosion and Sediment Control Plan (SSESCP).

Culverts

50. During the installation of any culverts, the Consent Holder shall take all practicable steps to minimise sedimentation and increased turbidity of the stream during and following completion of the works, in accordance with the SSESCP, including (but not limited to):
- Completing all works in the minimum time practicable;
 - Undertaking works in dry weather and low flow conditions, as far as practicable;
 - Avoiding placement of construction material or excavated material in the flowing channel, except as required for the construction of the temporary diversion and the physical replacement of the culvert;
 - Separating construction activities from flowing water;
 - Installing and maintaining appropriate erosion control and sediment control measures; and
 - Rapidly and progressively stabilising all disturbed areas.
51. **Prior to the removal of any existing culvert, the Consent Holder shall form a temporary diversion in the stream channel. The diversion shall be formed and supervised under the recommendations and supervision of the SQEP Ecologist to manage fish passage during the works and minimise disturbance of the bed and margins of Kākā Stream.**
52. **Following the installation of the replacement culvert, the temporary diversion shall be removed under the supervision of the SQEP Ecologist. Care shall be taken to minimise disturbance to the bed of the stream as far as practicable.**

53. The Consent Holder shall ensure that any fish found stranded as a result of the temporary diversion works are immediately transferred to another suitable reach in Kākā Stream in a method approved by the Ecologist.

Review

Pursuant to Section 128 of the Resource Management Act 1991, the Council reserves the right to review this consent annually commencing 12 months from the date this consent is granted, for any of the following purposes:

54. For the purposes of, and pursuant to Section 128 of the Resource Management Act 1991, the Council reserves the right to review this consent's the conditions of this and related consents annually commencing 12 months from the date this consent is granted, for any of the following purposes:
- a. To modify existing conditions of consent relating to the effects of the activity on the environment.
 - b. To require the Consent Holder to adopt the best practicable option to mitigate any adverse effect upon the environment, arising from the generated effects of the activity.
 - c. If the Council deems that it is necessary to do so in order to deal with any adverse effect on the environment which may arise from the exercise of this consent, and which is appropriate to deal with at a later date.

Advice Notes:

1. Where a condition requires notification to, or review/approval by, Nelson City Council, all relevant documents, plans, and communications shall be submitted to the Council's Monitoring Officer in the first instance.

The Monitoring Officer will coordinate any review/approval with the appropriate Nelson City Council staff, as follows (examples only):

- Team Leader Environmental Compliance – for documents such as Dust and Erosion and Sediment Control Plans (DESCPs), earthworks methodologies, and potentially noise and vibration plans.
- Team Leader Transport Operations – for transport and roading-related documentation, such as Construction Traffic Management Plans (CTMPs).
- Team Leader Integrated Catchments – for ecological restoration plans, lizard management plans, and related matters.
- Team Leader Water & Air – for wetland and stream restoration plans.

Where no Council review/approval is required by a condition but an action or document is to be provided (e.g. notice of commencement of works, geotechnical or SQEP engagement letters), these should also be sent directly to the Monitoring Officer.

2. Council Officers, at their discretion and at the Consent Holder's expense, may seek (where not available inhouse) independent advice from suitably qualified professionals to support and provide advice as part of any review and/or approval.