

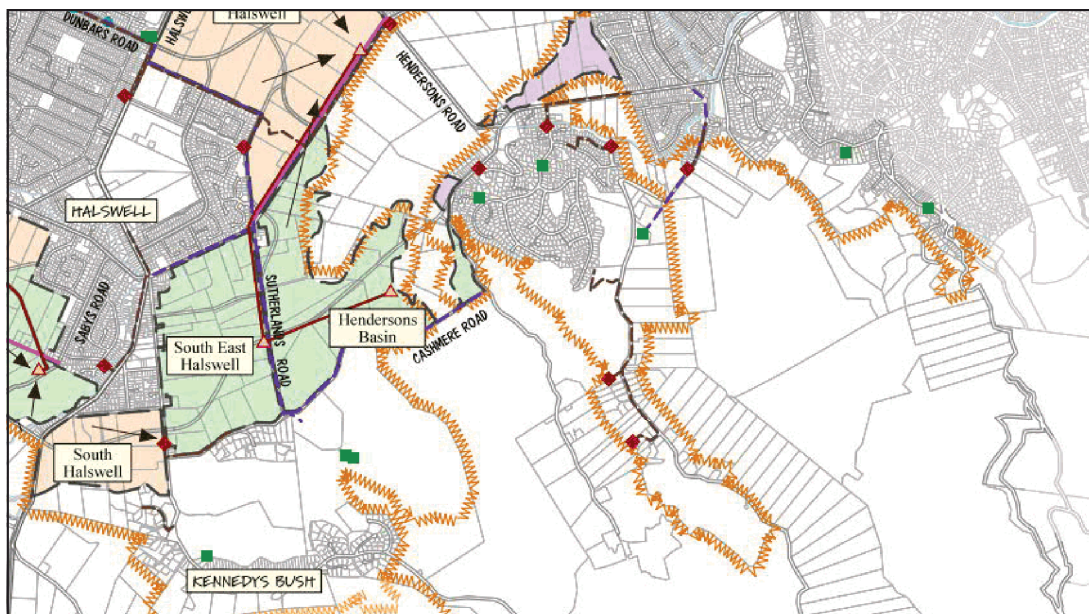
**Christchurch West Melton Water Management
Zone Committee
MINUTES ATTACHMENTS**

Date: Thursday 29 April 2021
Time: 6pm
Venue: Te Hāpua: Halswell Centre (Piharau Room),
341 Halswell Road, Christchurch

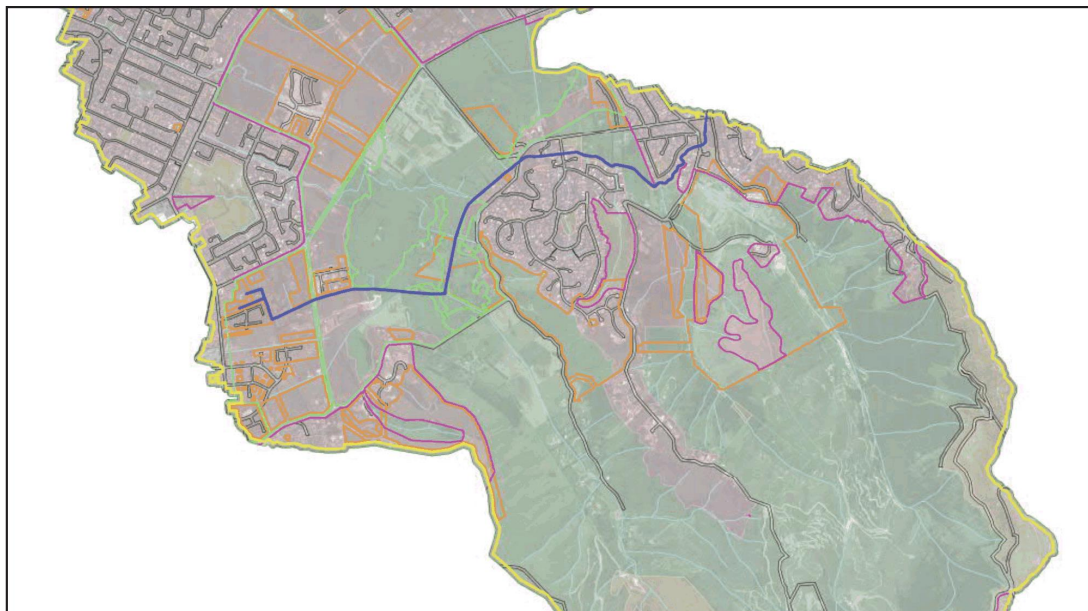
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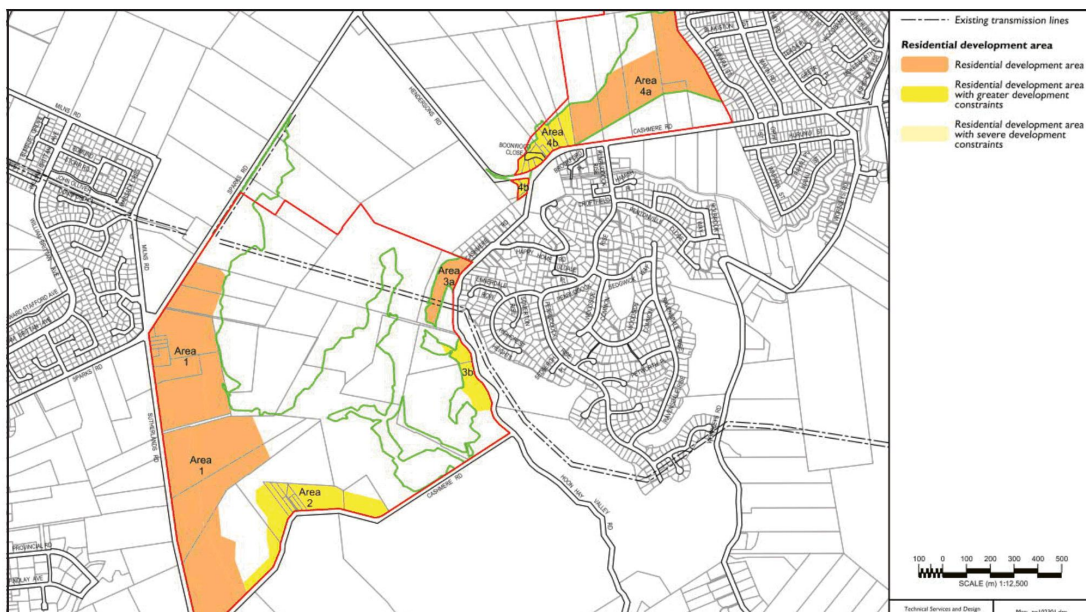
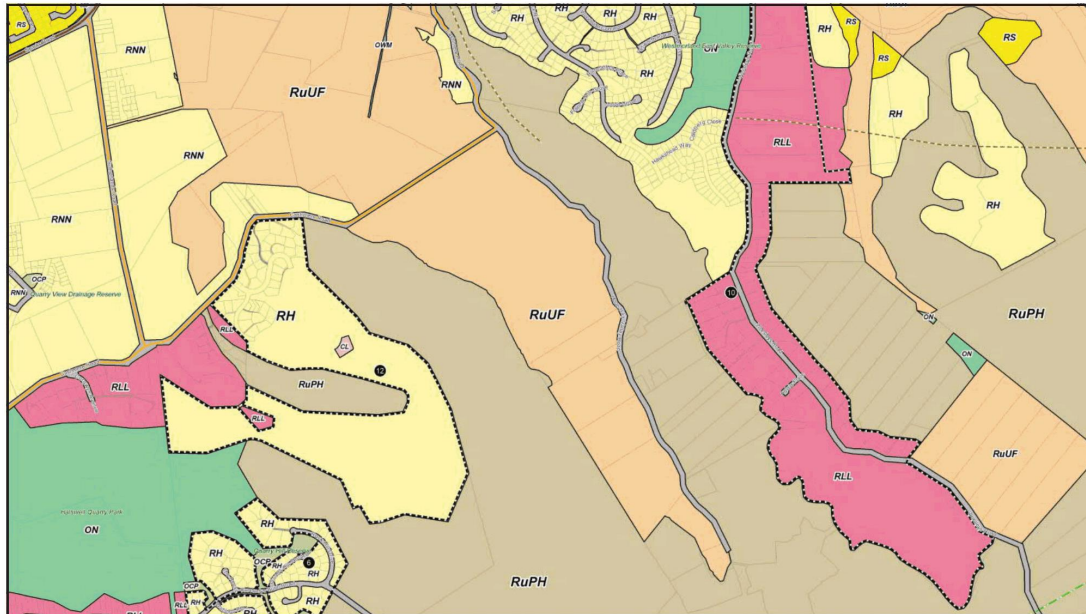
| | | |
|----------|--|----|
| 8 | Cashmere Stream and Port Hills Working Group – District Plan, Christchurch Adventure Park and Forestry on Banks Peninsula | |
| A. | Planning Framework for Cashmere Stream Catchment - Mark Stevenson, CCC City Planning | 3 |
| B. | Christchurch Adventure Park Presentation - Charlie Lyons | 7 |
| C. | Forestry on Banks Peninsula Presentation - Sarah Helleur, ECan..... | 20 |



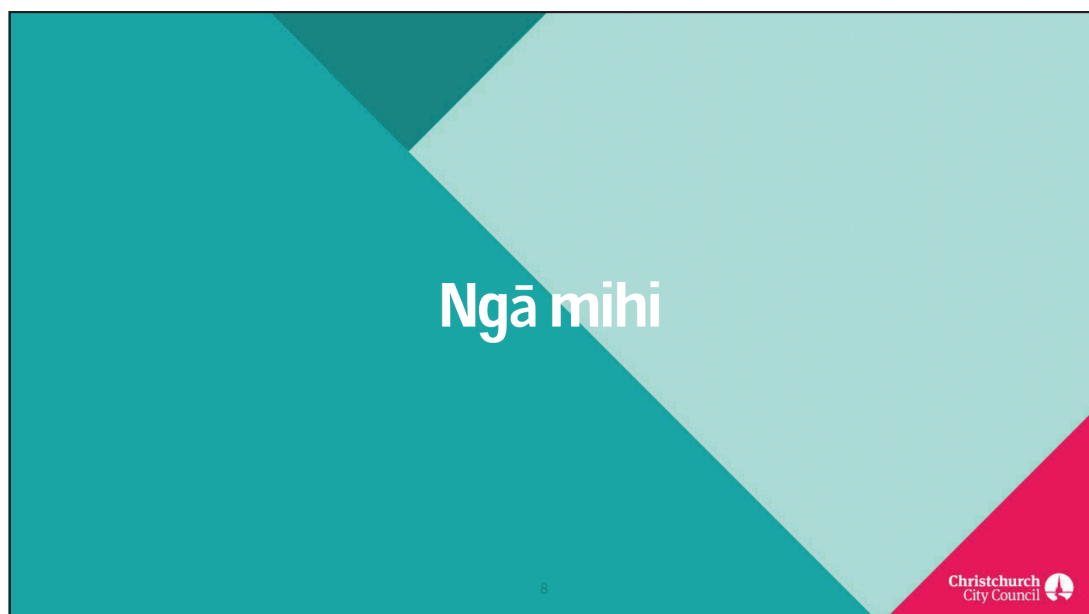
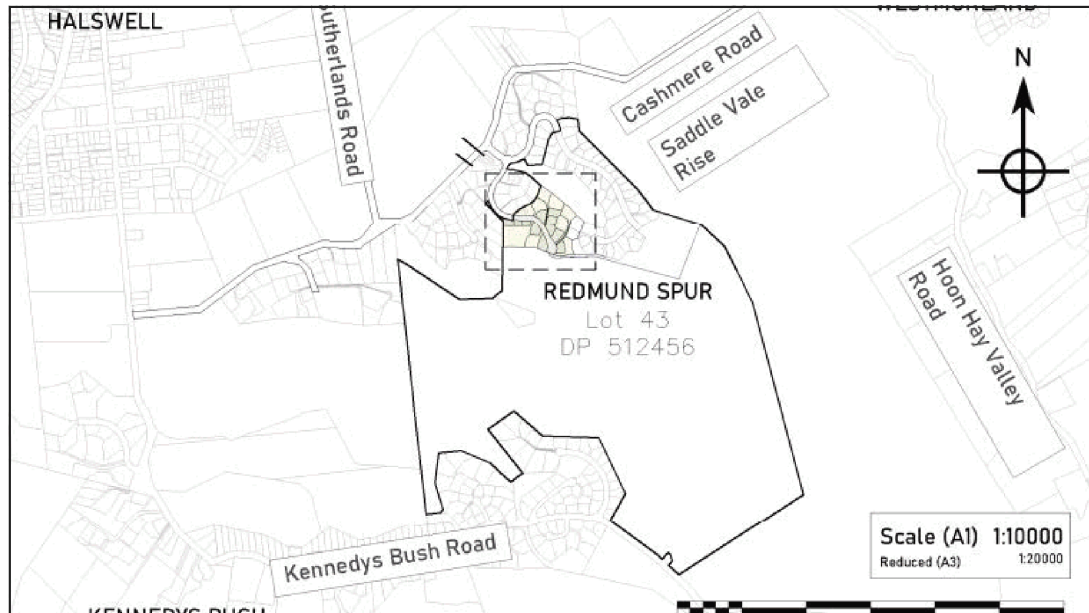
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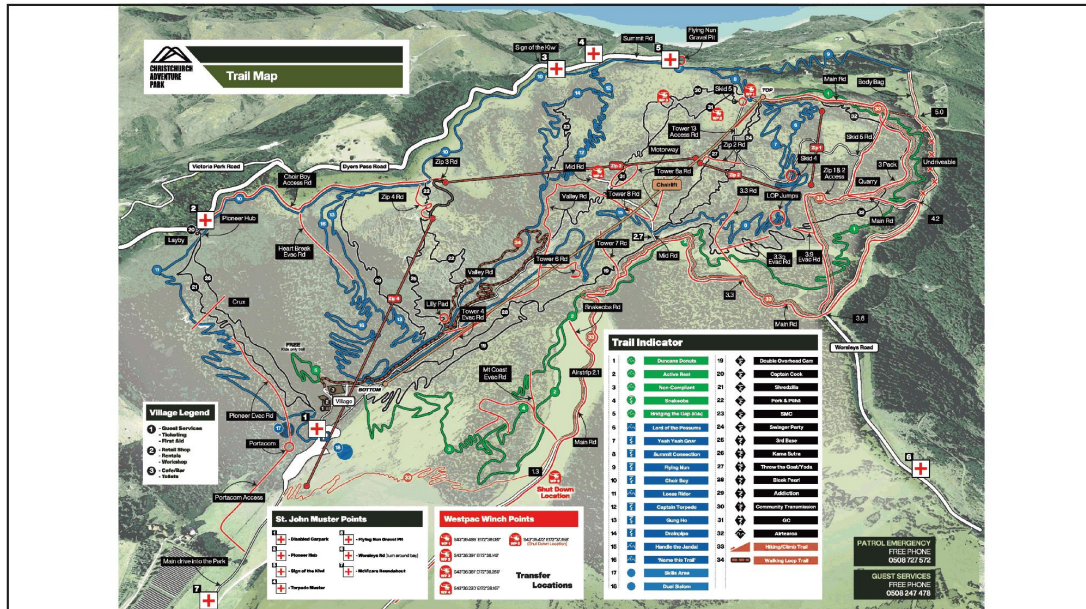
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4/05/2021



Attachment B Item 8



4/05/2021



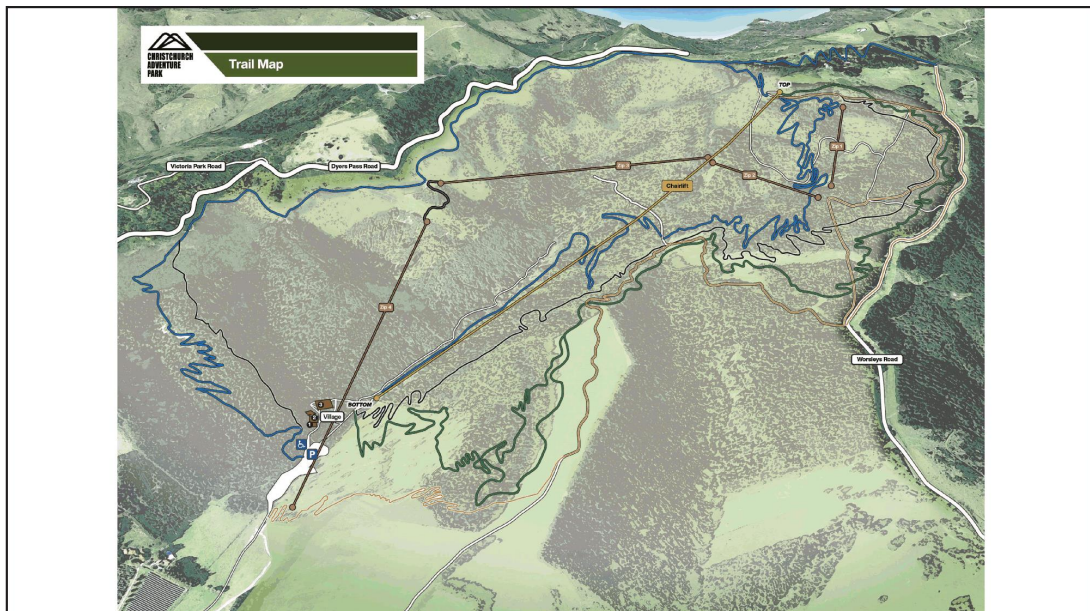
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Over the course of 2019, 2020

- Established an 8 person Trail Committee of in/out of house members and create a platform of collaborative decision making
- Moved away from the open face/western flank with a focus on building in the trees
- Change in approach to downsize earthworks volume and focus on small scale, 1.7T excavation & hand built track
- Improved planning and ECSP can have direct and positive implications for work streams, deadlines and outcomes

Erosion at CAP;

CAP has all types of erosion within the property

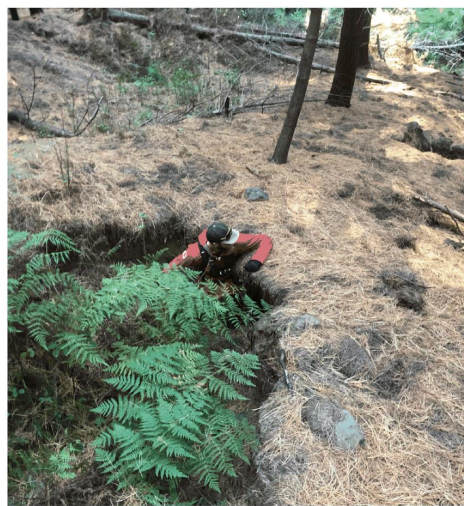
- splash erosion
- sheet erosion
- rill and gully erosion
- tunnel erosion
- mass movement
- channel erosion

These are present both from poor trail design, logging, loss of all organic cover during the fire and subsequent increase in water transport.

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Key areas where this is occurring;

- Isolated sections of exposed, machine built trails (western flank) – Airteroa, Lord of the Possums, Green, Double Overhead Cam, Handle the Jandal
- Eastern tributary of the Cashmere stream catchment – specifically from the Drive Station – downward to the property boundary with CCL development

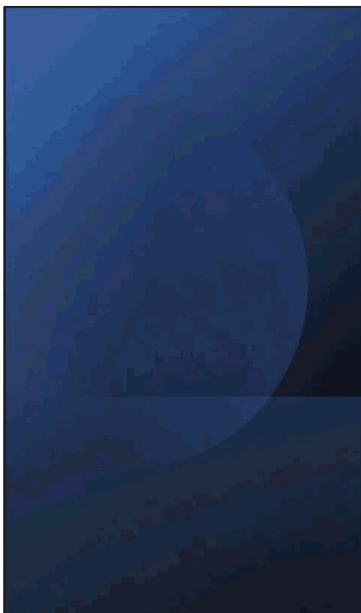


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Recent works within the Erosion & Sediment control space include;

- Drive Station
 - Rebatter the cut face
 - Install geo-fab and rock ripraps around main flow paths on the battered face
 - Install wool textile/coconut matting to batter face
 - Install inside geo-fab/rock to drain
 - Install a sediment fence at stream entrance point
 - Cover exposed sections with organic top soil and plant out

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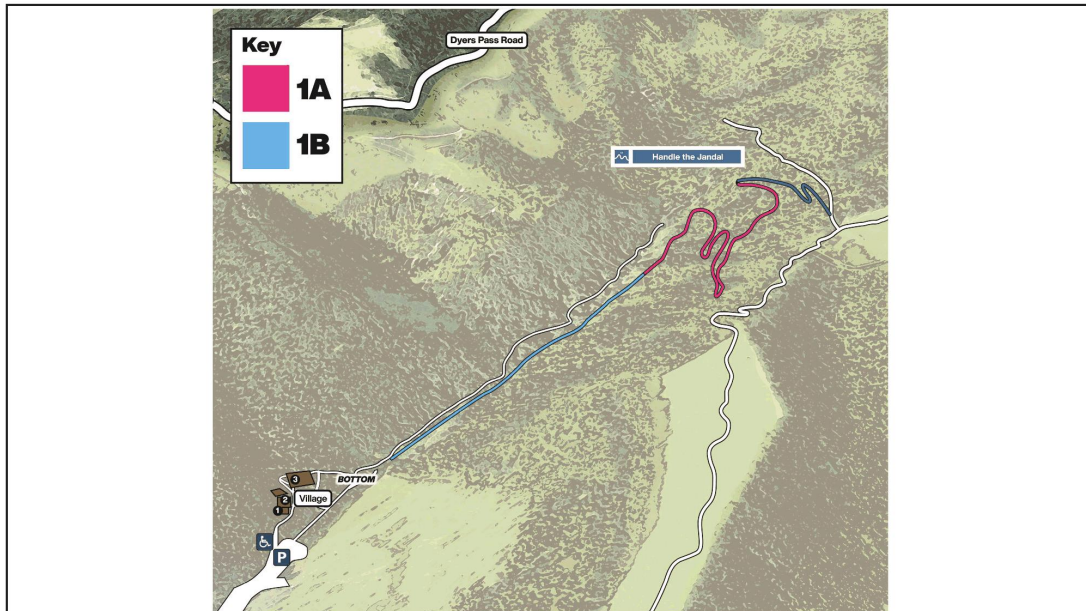
- **Handle the Jandal**

- Remediate the exposed sections of trail, bringing in organic material where possible
- Break up the existing loess/lime soil mix to create a stable growing medium for future organics. Covering in seed, mulch & hay
- Re-batter the exposed cut faces, cover in wool textile/coconut matting



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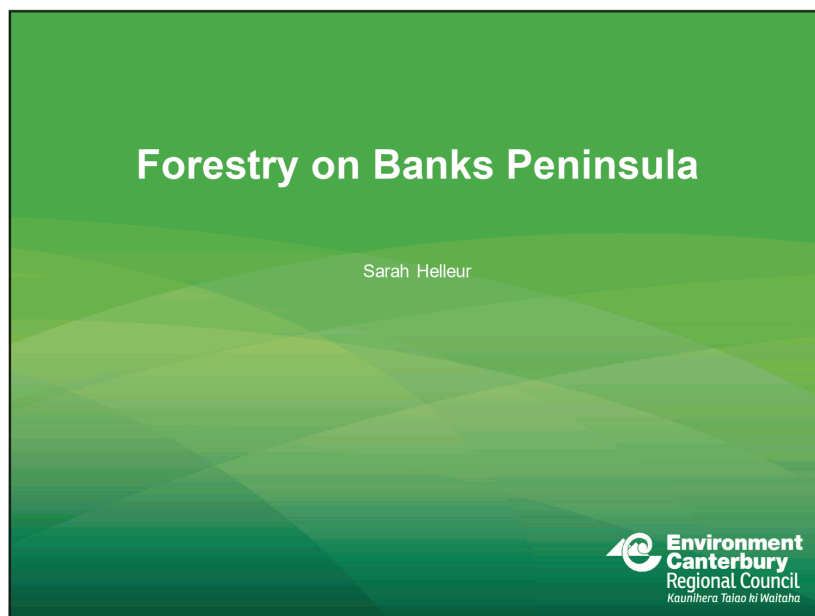


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Christchurch Adventure Park business value of “sustainability” means we are;

- Committed to improving our erosion sediment issues
- Committed to working with local governing bodies such as ECAN
- Committed to improving our general practice and learning from other local areas
- Committed to working with our staff – upskilling and investing in their skillsets to have a better understanding of sustainable practices



NES-PF

The National Environmental Standards for Plantation Forestry (NES-PF) provide nationally consistent regulations to manage the environmental effects of forestry.

These regulations allow for forestry activities to proceed as permitted activities (no consent is required).

Regulations cover 8 core commercial forestry activities:

- afforestation
- thinning and pruning
- earthworks
- quarries
- river crossings
- harvesting
- mechanical land preparation
- replanting



Afforestation (regs 8-17)

- A wilding tree risk calculation is done for all new planting.

- Cannot occur within a Significant Natural Area, Outstanding Natural Feature or Landscape, or a Visual Amenity Area. These are overseen by the District Council (CCC)

Setback Requirements

There are different setback requirements for different councils.

- Territorial authority
- within 10m of an adjoining property
 - 30m from a urban area boundary
 - 10m from a significant natural area

- Regional authority
- 5m from a perennial river less than 3m and a wetland less than .25ha
 - 10m from a perennial river more than 3m and a lake larger than .25ha, outstanding freshwater body or significant natural area



Earthworks (regs 22-35)

-Allowed to proceed as a permitted activity (no consent is required) provided that:

- written notice MUST be given to the Regional Council if there will be more than 500m² of soil disturbance.
- an earthwork management plan needs to be drawn up and needs to be supplied to the council upon request.
- can move 5000m³ for maintenance and upgrade of existing roads, or put in new infrastructure with no limits.
- include regulations around set backs, fill and spoil, sediment and stormwater control.



Harvesting (regs 62-71)

-Allowed to proceed as a permitted activity (no consent is required) provided that:

- written notice MUST be given to the Regional Council
- a harvest management plan needs to be drawn up and needs to be supplied to the council upon request.
- include regulations around sediment discharge, felling around waterways, slash and debris management.



River Crossings (regs 36-49)

-Allowed to proceed as a permitted activity (no consent is required) provided that:

- written notice MUST be given to the Regional Council
- Regulations outline the requirements for different types of crossings, There MUST be provisions made in any river crossing for the passage of fish

ECAN LWRP

This is a National Policy Statement for Freshwater Management and so rules under this plan that are more stringent than the rules in the NES-PF need to be followed.

The rules that are more stringent are around Inanga spawning habitats, sediment discharges, flow sensitive catchments, wetland disturbance and hazardous waste storage.

Sediment Discharge – in areas shown a High Soil Erosion Risk on ECan's planning maps,



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SLASH CUT-OUTS



Slash Bunding



GRASSED WATER-TABLE



Slash Cover



Sediment traps



SILT FENCE



Further information

<http://www.legislation.govt.nz/regulation/public/2017/0174/latest/whole.html> – the NES regulations

<https://www.mpi.govt.nz/growing-and-harvesting/forestry/national-environmental-standards-for-plantation-forestry/> - link to guides, wilding tree risk calculator, fish spawning indicator, etc,

<https://www.ecan.govt.nz/your-region/plans-strategies-and-bylaws/canterbury-land-and-water-regional-plan/>

<https://www.ecan.govt.nz/your-region/plans-strategies-and-bylaws/canterbury-land-and-water-regional-plan/change-7/>

<https://districtplan.ccc.govt.nz/PropertySearch/PropertySearchContainer.html?feature=DistrictPlanIndex&featureId=6>

<https://www.ecan.govt.nz>

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