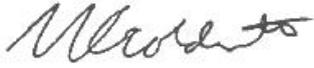




# Vegetation and Habitat Surveys of The Point Solar Farm, January-February 2026

Prepared for:	Far North Solar Farms Ltd	Reviewed and approved for release by:  Nick Goldwater Senior Principal Ecologist
Authors:	Luke Liddell, Andrew Wells, Sarah Wright	
Report No:	6621h-vi	
Date:	February 2026	

## 1.0 Introduction

Far North Solar Farms Ltd (**FNSF**) has applied under the fast-track approvals bill to establish a new solar farm on a site at the northern end of Lake Benmore, in the Mackenzie District in South Canterbury (**The Point Solar Farm**).

Following a recent vegetation survey on 20 January 2026, Wildland Consultants Ltd (**Wildlands**) returned to The Point Solar Farm in February 2026 in order to quantify vegetation cover within the solar farm site using RECCE plots, and to undertake additional targeted searches for indigenous plants. This memo summarises the methodology and outcomes of this additional field work at the site.

## 2.0 Scope

The scope of this memo is to provide the following:

- A description of vegetation surveys undertaken by Wildlands on the 10–12 and 19 February 2026.
- The results of quantitative vegetation plots, grid-based plant searches, and habitat-targeted rare plant searches at the site.
- Representative photographs of the vegetation present at the site.

Responses to the other ecological questions raised by the Panel are addressed in separate memos. All previous vegetation work conducted at the site is summarised in Wildlands (2026)<sup>1</sup>. That document also contains the most up-to-date descriptions and mapping of vegetation and habitat types at the site. No further changes are made in this memo.

## 3.0 Methodology

To gain a more thorough understanding of the indigenous vegetation values present within and adjacent to The Point Solar Farm, quantitative vegetation plots and targeted indigenous plant searches were undertaken across the site by three vegetation ecologists from 10-12 and 19 February. Plot work was largely undertaken by Luke Liddell (Senior Vegetation Ecologist), grid searches by Sarah Wright (Vegetation Ecologist and Botanist), and targeted searches by Sarah Wright and Andrew Wells (Associate Principal Vegetation Ecologist). All three ecologists have previously undertaken vegetation assessments and rare plant searches in dryland communities in the eastern basins of the South Island.

<sup>1</sup> Wildland Consultants (2026). Vegetation and habitat survey of The Point solar farm, January 2026. Contract Report 6621h(v). Prepared for Far North Solar Farms. 9pp.



## 3.1 Vegetation plots

### 3.1.1 Placement

A total of 32 vegetation plots (10x10 metres) were measured across the site (Figure 1). Twenty-nine of these plots are located within the solar farm site boundary, two plots are located within the property boundary but outside the site boundary, and one plot is located outside the property boundary in an adjacent area of DOC land. These plots were placed into the existing vegetation and habitat type polygons using a stratified random method with some modifications to ensure that greater survey effort was put into habitats likely to retain indigenous flora (see details below):

- Fourteen plots were in the brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield. Thirteen of the plots landed in the main polygon of this vegetation type in the northeast of the site, with one plot in the smaller polygon at the northwest of the development footprint. Two of the plots in the northeastern polygon were specifically placed at randomised locations within the proposed reserve area between the two gullies.
- Nine plots were in the cocksfoot-lucerne-haresfoot trefoil grassland.
- One plot was in the sweet brier/socksfoot grassland.
- Two plots were in the sweet brier-matagouri shrubland in the eastern gullies; one point generated for each gully.
- Four plots were in the stonefield drylands; one plot each in the two gullies, and three plots in the long narrow area of stonefield dryland along the western margin.
- Two plots were located immediately outside the western boundary of the site. Although outside the site, these plots were in areas that had previously been mapped as brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield and stonefield drylands, respectively.

No plots were placed in high-producing exotic pasture, as this area is outside the development footprint and has been heavily modified such that no indigenous vegetation is likely to remain.

No plots were placed in cocksfoot-lucerne-haresfoot trefoil grassland and stonefield drylands in the far northwest of the site. This area is distant from the development footprint, being located on the far side of the irrigated high-producing exotic pasture, and it is unlikely to be affected by the proposed solar farm.

### 3.1.2 Plot methodology

A 10x10 metre (10m<sup>2</sup>) grassland RECCE plot was used to survey plant composition at each plot location. Plant community composition and structure was measured by foliar cover of all plant species in five height tiers (5-12m, 2-5m, 1-2m, 0.3-1m, and <0.3m). Within each height tier, the percentage cover of foliage for each species was estimated visually using six cover classes (<1%; 1-5%; 6-25%; 26-50%; 51-75%; 76-100%). Ground cover was also estimated (percent vegetation, non-vascular plants, litter, bare ground, rock), and representative plot photographs for each vegetation type were taken.

## 3.2 Indigenous plant searches

### 3.2.1 Grid search points

A grid of 500-metre-spaced search points was generated across the property. In the eastern part of the site, all twelve grid points were visited for targeted plant searches. This area comprised the main area of brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield and the two gullies. This area was searched as it has been less intensively cultivated than the rest of the site, meaning that there is a greater possibility that some indigenous flora may have persisted or re-established in the farmland. Four additional grid points were also visited along the western and southern site boundary, as these areas were close to off-site indigenous flora. Additionally, the locations of detailed plant inspection



undertaken in January 2026 and shown in Figure A of Wildlands (2026) were also included as search points (Figure 1).

### 3.2.2 Targeted searches

Targeted searches for indigenous vegetation were focused in potentially higher-quality habitat for indigenous plant species around the eastern, southern, and western boundaries of the site. Less-intensively cultivated areas were focussed on, such as close to fencelines, within and around gullies, and terrace slopes/lower terraces. These areas were walked and searched thoroughly. The searches included areas just outside the site boundary, particularly along the western boundary where there were areas of indigenous grassland and shrubland close to the site boundary. All indigenous species were noted, and any At Risk or Threatened species were recorded with a hand-held GPS device. The exceptions to this were common mat daisy (*Raoulia australis*) in the eastern gullies, and resurrection lichen (*Xanthoparmelia semiviridis*). These species were seen frequently enough that they were not always way-pointed.

The far northwest corner of the property, outside the site boundary, was not thoroughly searched for indigenous flora, as this area is distant from the site and discontinuous with other areas of potential indigenous plant habitat due to the positioning of the centre-pivot irrigated area of high-producing pasture.

### 3.3 Total site survey effort

In total, four vegetation ecologists spent approximately 118 hours of time surveying the site (and adjacent habitat) for indigenous flora. Considering most of the site comprises cultivated pasture, this is a substantial amount of survey effort. Over 40 hours were focused on searches in areas of likely higher value for indigenous plants, mainly around the margins of the site and in the two gullies along the eastern boundary.

## 4.0 Results

### 4.1 Vegetation plots

The only indigenous plant species recorded in plots within the development footprint is the non-vascular resurrection lichen (At Risk – Declining), which was found in a total of 10 plots at the site. This included seven plots in the southern portion of brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield (six of these within the development footprint), as well as three plots along/outside the western site boundary. The only other indigenous species recorded in plots within the cultivated part of the property was onion orchid (*Microtis unifolia*; Not Threatened), which was found in two plots: one outside the site boundary and another in an area of brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield just within the eastern site boundary.

Only five vegetation plots contained additional indigenous plant species, and all were located either in the eastern gullies or outside the property boundary. Plots located close to these areas but in cultivated habitat types did not contain any of these indigenous species, suggesting a strong difference in indigenous species occurrence depending on the level of cultivation that has occurred.

The results of the vegetation plots confirmed the low species diversity and exotic-dominant character of the vegetation within the site (excluding the two gullies). Copies of the vegetation plot sheets have been included in Section 7 of this report.



## 4.2 Indigenous plant searches

The only indigenous species found at any of the 500-metre grid points was resurrection lichen, which was present at five grid points in the southeast of the site (Figure 2).

### 4.2.1 New species

Four indigenous plant species not previously recorded at the site were identified during the February targeted searches. These are:

- *Raoulia apicinigra* (Not Threatened); two individuals were found within the southern gully at the east of the site.
- Short-flowered cranesbill (*Geranium brevicaule*; Not Threatened); one individual was found within the northern gully at the east of the site.
- Maniototo peppergrass (*Lepidium solandri*; Threatened - Nationally Critical); six plants were recorded at the southern gully, along the terrace scarp crest on the northern side of the gully.
- *Carmichaelia vexillata* (At Risk – Declining); a single individual was identified within the site boundary; likely to have been previously recorded but misidentified as *C. monroi*.

While areas outside of the site boundary were not systematically searched, the searches undertaken found eight additional indigenous species in the areas inspected outside of the site boundary:

- Desert broom (*Carmichaelia petriei*; At Risk - Declining); likely to have been previously recorded but misidentified as *C. australis*.
- Plume grass (*Dichelachne crinita*; Not Threatened)
- *Luzula rufa* var. *albicomans* (Not Threatened)
- *Pimelea oreophila* (Not Threatened)
- Silver tussock (*Poa cita*; Not Threatened)
- Blue tussock (*Poa colensoi*; Not Threatened)
- *Rytidosperma australe* (Not Threatened)
- *Rytidosperma exiguum* (At Risk – Declining)

*Rytidosperma exiguum* was the only new At Risk or Threatened species identified, and was found just outside the eastern and western site boundaries, with a scattered occurrence within grasslands.

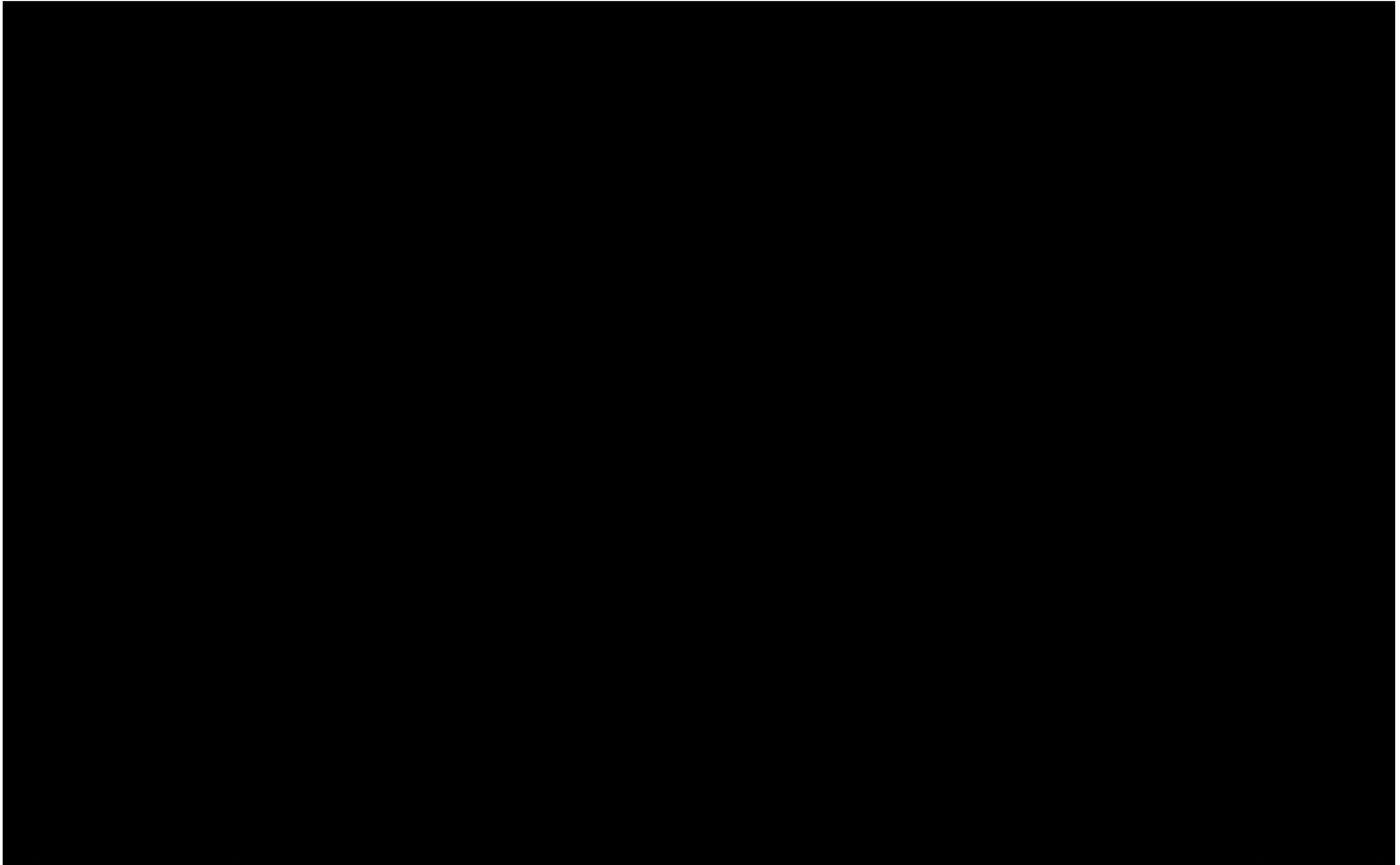
### 4.2.2 Other At Risk or Threatened species

*Lepidium solandri* was identified at two locations in the latest round of surveying:

- Six individuals were found within the site boundary at three locations along the eastern scarp edge of the southern gully.
- Six individuals were found approximately 25 metres outside the southwestern site boundary. These plant locations had also been noted within the survey undertaken by Susan Walker that is reported on in the Department of Conservation vegetation report submitted to the Panel (see Figure 2).

This confirms the ongoing presence of *L. solandri* within the site and in close proximity to the site margins, although not within the development footprint.

Two *Carmichaelia* species, *C. petriei* and *C. vexillata*, were identified during the February plant search. Species identification was confirmed by the presence of seedpods for both species. Previous surveying in 2022 had identified *C. monroi* and *C. australis* on-site; these were likely to be misidentifications of the two species seen in the latest survey. One individual of *C. vexillata* was seen within the site, outside



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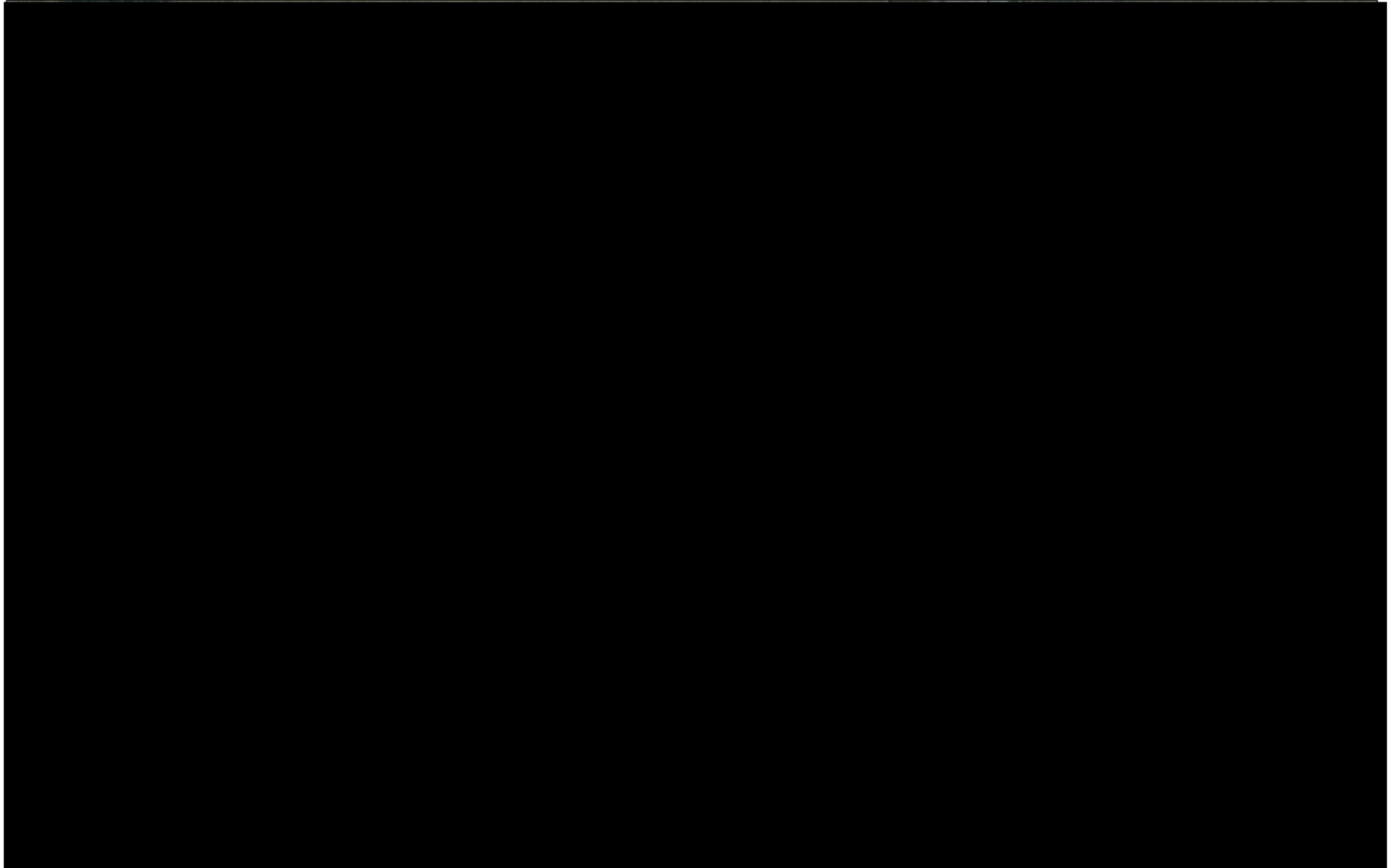
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**Figure 1. Vegetation plot locations, grid search points, Point Solar Farm, MacKenzie Basin**



**Wildlands** © 2026  
www.wildlands.co.nz, 0508 WILDNZ

Scale: 1:19,000  
Date: 23/02/2026  
Cartographer: HM  
Format: A3R



**Data Acknowledgment**  
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Report: 6621h  
Client: Far North Solar Farms  
Ref: 12573-2024  
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File: Figure\_Vegetation\_Searches.mxd

Figure 2. Locations of Threatened or At Risk plants, The Point Solar Farm, Mackenzie Basin



**Wildlands**  
www.wildlands.co.nz. © 2026 WILDLANDS

Scale: 1:19,000  
Date: 23/02/2026  
Cartographer: HM  
Format: A3R



the development footprint and close to the property boundary in the northwestern polygon of brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield. *Carmichaelia petriei* was only seen outside the site boundary, along lower western terraces. Previous fieldwork in 2022 has *C. australis* listed as being present on-site, however, *C. petriei* was not located within the site boundary despite thorough searching. This is likely to be a result of different site boundaries being used between the 2022 and 2026 field surveys. Accordingly, *C. petriei* is not considered to be present on-site.

#### 4.2.3 Indigenous vegetation

No areas of indigenous-dominant vegetation were detected on-site. The lower terraces west of the site boundary had notably higher indigenous flora values than what was seen within the site. This area was a patchwork of exotic grassland/herbfield, rockland, mixed dryland shrubland (matagouri [*Discaria toumatou*] and sweet brier [*Rosa rubiginosa*]), and indigenous short tussockland dominated by hard tussock (*Festuca novae-zelandiae*) with many *Carmichaelia* individuals present. Large, spreading patches of creeping pōhuehue (*Muehlenbeckia axillaris*) and scattered common mat daisy were also noteworthy in this area.

There was a clear pattern of increasing indigenous plant diversity in areas that were less modified by cultivation:

1. No indigenous flora was present in the cocksfoot-lucerne-haresfoot trefoil grassland sweet brier/socksfoot grassland. These areas were heavily cultivated, with stones removed from the topsoil and even mosses and lichens largely absent.
2. In the brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield, scattered onion orchid and resurrection lichen were present. In specific fields that had been cultivated more recently, these species were absent.
3. Around the edges of the brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield there is more abundant onion orchid, and small patches of grassland sedge (*Carex breviculmis*) are occasionally present. In the northwestern area this comprises an area adjacent to the property boundary that sits on a lower, less recently cultivated terrace. In the eastern area, grassland sedge occurs only within a narrow strip 30 centimetres in width right beside the fenceline where cultivation has not occurred.
4. Within the two gullies and on lower terraces west of the property boundary there is a notably higher frequency and abundance of indigenous vegetation. These areas have been historically cultivated.

## 5.0 Species List

Species	Common Name	Status	Threat Ranking
<b>New species - seen on-site</b>			
<i>Acaena agnipila</i>	Australian sheep's bur	Exotic	
<i>Anagallis arvensis</i>	Scarlet pimpernel	Exotic	
<i>Brassica oleracea</i>	Wild cabbage, cauliflower	Exotic	
<i>Bromus diandrus</i>	Ripgut brome	Exotic	
<i>Cerastium fontanum</i>	Mouse-ear chickweed	Exotic	
<i>Cotoneaster franchetii</i>		Exotic	
<i>Crepis capillaris</i>	Hawksbeard	Exotic	
<i>Cuscuta epithymum</i>	Dodder	Exotic	
<i>Dianthus armeria</i>	Deptford pink	Exotic	
<i>Galium divaricatum</i>	Slender bedstraw;	Exotic	
<i>Geranium brevicaule</i>	Short-flowered cranesbill	Indigenous Non-Endemic	Not Threatened
<i>Hypochaeris radicata</i>	Catsear	Exotic	
<i>Myosotis discolor</i>	Grassland forget-me-not	Exotic	
<i>Oxalis</i> sp.		-	
<i>Pilosella piloselloides</i> subsp. <i>praealta</i>		Exotic	



Species	Common Name	Status	Threat Ranking
<i>Poa</i> sp.		-	
<i>Potentilla argentea</i>		Exotic	
<i>Raoulia apicinigra</i>	Mat daisy	Indigenous Endemic	Not Threatened
<i>Ribes uva-crispa</i>	Gooseberry	Exotic	
<i>Rytidosperma</i> sp.		-	
<i>Sanguisorba minor</i>		Exotic	
<i>Stellaria graminea</i>	Stitchwort	Exotic	
<i>Taraxacum officinale</i>	Dandelion	Exotic	
<i>Thelymitra</i> sp.		-	
<i>Vulpia</i> sp.		Exotic	
<b>New species, seen only off-site</b>			
<i>Dichelachne crinita</i>	Plume grass	Indigenous Non-Endemic	Not Threatened
<i>Luzula rufa</i> var. <i>albicomans</i>		Indigenous Endemic	Not Threatened
<i>Pimelea oreophila</i>		Indigenous Endemic	Not Threatened
<i>Poa cita</i>	Silver tussock	Indigenous Endemic	Not Threatened
<i>Poa colensoi</i>	Blue tussock	Indigenous Endemic	Not Threatened
<i>Rytidosperma australe</i>		Indigenous Non-Endemic	Not Threatened
<i>Rytidosperma exiguum</i>		Indigenous Endemic	At Risk-Declining
<b>Previously recorded species, seen on-site</b>			
<i>Achillea millefolium</i>	Yarrow	Exotic	
<i>Agrostis capillaris</i>	Browntop	Exotic	
<i>Aira caryophylla</i>	Silvery hair grass	Exotic	
<i>Anthosachne solandri</i>	Pātītī taranui	Indigenous Endemic	Not Threatened
<i>Anthoxanthum odoratum</i>	Sweet vernal	Exotic	
<i>Bromus catharticus</i>	Prairie grass	Exotic	
<i>Bromus hordeaceus</i>	Soft brome	Exotic	
<i>Bromus tectorum</i>		Exotic	
<i>Capsella bursa-pastoris</i>	Shepherds purse	Exotic	
<i>Carex breviculmis</i>	Grassland sedge	Indigenous Non-Endemic	Not Threatened
<i>Carmichaelia vexillata</i>		Indigenous Endemic	At Risk-Declining
<i>Chenopodium album</i>	Fathen	Exotic	
<i>Cichorium intybus</i>	Chicory	Exotic	
<i>Cirsium arvense</i>	Californian thistle	Exotic	
<i>Coprosma propinqua</i>	Mikimiki	Indigenous Endemic	Not Threatened
<i>Cytisus scoparius</i>	Broom	Exotic	
<i>Dactylis glomerata</i>	Cocksfoot	Exotic	
<i>Discaria toumatou</i>	Tūmatakuru, matagouri	Indigenous Endemic	Not Threatened
<i>Echium vulgare</i>	Viper's bugloss	Exotic	
<i>Erodium cicutarium</i>	Storksbill	Exotic	
<i>Festuca novae-zelandiae</i>	Hard tussock	Indigenous Endemic	Not Threatened
<i>Festuca rubra</i>	Red fescue	Exotic	
<i>Geranium molle</i>	Dovesfoot cranesbill	Exotic	
<i>Hypericum perforatum</i>	St John's wort	Exotic	
<i>Leontodon taraxacoides</i>	Hawkbit	Exotic	
<i>Lepidium solandri</i>	Maniototo peppergrass	Indigenous Endemic	Threatened-Nationally Critical
<i>Lolium perenne</i>	Ryegrass	Exotic	
<i>Lotus pedunculatus</i>	Lotus	Exotic	
<i>Medicago sativa</i>	Lucerne	Exotic	
<i>Melicytus alpinus</i>		Indigenous Endemic	Not Threatened
<i>Microtis unifolia</i>	Māikaika, onion orchid	Indigenous Non-Endemic	Not Threatened
<i>Muehlenbeckia axillaris</i>	Pōhuehue	Indigenous Non-Endemic	Not Threatened
<i>Pilosella officinarum</i>	Mouse-ear hawkweed	Exotic	
<i>Pinus contorta</i>	Lodgepole pine	Exotic	
<i>Pinus</i> sp.		Exotic	
<i>Plantago lanceolata</i>	Narrow-leaved plantain	Exotic	



Species	Common Name	Status	Threat Ranking
<i>Poa trivialis</i>	Rough stalked meadow grass	Exotic	
<i>Polygonum aviculare</i>	Wireweed	Exotic	
<i>Populus alba</i>	White poplar	Exotic	
<i>Populus deltoides</i>	Eastern cottonwood	Exotic	
<i>Raoulia australis</i>	Common mat daisy	Indigenous Endemic	At Risk-Declining
<i>Raoulia hookeri</i>	Scabweed	Indigenous Endemic	Not Threatened
<i>Rosa rubiginosa</i>	Sweet brier	Exotic	
<i>Rumex acetosella</i>	Sheep's sorrel	Exotic	
<i>Salix fragilis</i>	Crack willow	Exotic	
<i>Sedum acre</i>	Stonecrop	Exotic	
<i>Thelymitra longifolia</i>	Māikaika, white sun orchid	Indigenous Non-Endemic	Not Threatened
<i>Trifolium arvense</i>	Haresfoot trefoil	Exotic	
<i>Trifolium pratense</i>	Red clover	Exotic	
<i>Trifolium repens</i>	White clover	Exotic	
<i>Trifolium subterraneum</i>	Subterranean clover	Exotic	
<i>Verbascum thapsus</i>	Woolly mullein	Exotic	
<i>Verbascum virgatum</i>	Moth mullein	Exotic	
<i>Veronica arvensis</i>	Field speedwell	Exotic	
<i>Vulpia bromoides</i>	Vulpia hair grass	Exotic	
<i>Vulpia myuros</i>	Vulpia hair grass, rats tail fescue	Exotic	
<i>Wahlenbergia albomarginata</i>	New Zealand harebel	Indigenous Endemic	Not Threatened
<i>Xanthoparmelia semiviridis</i>	Resurrection lichen	Indigenous Non-Endemic	At Risk-Declining
<b>Previously recorded species, seen only off-site</b>			
<i>Carmichaelia petriei</i>	Desert broom	Indigenous Endemic	At Risk-Declining
<i>Juncus conglomeratus</i>	Soft rush;	Exotic	
<i>Populus nigra</i>	Lombardy poplar	Exotic	
<i>Salix</i> sp.		Exotic	
<i>Salix viminalis</i>	Osier	Exotic	
<i>Sambucus nigra</i>	Elder	Exotic	
<i>Schoenus pauciflorus</i>	Bog rush, sedge tussock	Indigenous Endemic	Not Threatened
<i>Typha orientalis</i>	Raupō	Indigenous Non-Endemic	Not Threatened



## 6.0 Photographs



**Plate 1:** Vegetation plot located in the cocksfoot-lucerne-haresfoot trefoil grassland vegetation type, within the development footprint.



**Plate 2:** Vegetation plot location in the Brome-hawkweed-sheep's sorrel-haresfoot trefoil grassland/herbfield vegetation type, in a less recently cultivated paddock with a distinctive swale containing denser exotic vegetation.



**Plate 3:** Plot located in stonefield dryland habitat along the western margin of the site.



**Plate 4:** Vegetation plot located in sweet brier-matagouri shrubland in the southern gully.



**Plate 6:** Indigenous short tussock grassland on a terrace slope directly west of the site boundary, showing canopy of hard tussock and occasional *Carmichaelia petriei*.



**Plate 7:** Stonefield habitat on the terrace scarp of the southern gully on the eastern site margin. This habitat contained Maniototo peppergrass on the lip of the scarp, as well as populations of *Raoulia australis* and *R. apicinigra*.



**Plate 8:** Maniototo peppergrass on the lip of the terrace scarp of the southern gully on the eastern site margin.



## 7.0 Plot Sheets

### RECONNAISSANCE (RECCE) SHEET

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT79 DAY/MONTH/YEAR: 10/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1377324  
 MEASURED BY: LL, AW Northing: 5089138  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE	MESOSCALE TOPOGRAPHIC INDEX	SURFACE CHARACTERISTICS:				
ALTITUDE (m)	INDEX (°, record +/-)	Bedrock %				
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		Broken rock %				
ASPECT (0–359°)		Size of broken rock <30cm / >30cm				
SLOPE (°) <u>Flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL	NE	<b>GROUND COVER %:</b>				
Mapped / Observed	E	Vegetation <u>85%</u>				
DRAINAGE Good, Moderate, Poor	SE	Non-vascular <u>1%</u>				
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Litter <u>10%</u>				
APPROACH	SW	Bare Ground <u>6%</u>				
	W	Rock <u>1%</u>				
	NW	AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<u>XANSON present</u>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 61 DAY/MONTH/YEAR: 10/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1377585  
 MEASURED BY: LL, AW Northing: 5089260  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE	MESOSCALE TOPOGRAPHIC INDEX (°, record +/-)	SURFACE CHARACTERISTICS:				
ALTITUDE (m)		Bedrock %				
PHYSIOGRAPHY Ridge, Face, Gully, Terrace	N	Broken rock %				
ASPECT (0–359°)		Size of broken rock <30cm / >30cm				
SLOPE (°) <u>Flat</u> Convex, Concave, Linear	NE	Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL Mapped / Observed	E	GROUND COVER %:				
DRAINAGE Good, Moderate, Poor	SE	Vegetation <u>90%</u>				
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Non-vascular <u>&lt;1%</u>				
APPROACH	SW	Litter <u>5%</u>				
	W	Bare Ground <u>5%</u>				
	NW	Rock <u>1%</u>				
		AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
LOCATION DIAGRAM						
<b>NOTES (including cultural)</b>						
<u>XAN sem</u>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 63 DAY/MONTH/YEAR: 10/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1378002  
 MEASURED BY: LL, AW Northing: 589009  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>				
ALTITUDE (m)	° (record +/-)	Bedrock %				
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		Broken rock %				
ASPECT (0-359°)		Size of broken rock <30cm / >30cm				
SLOPE (°) <u>Flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL	NE	<b>GROUND COVER %:</b>				
Mapped / Observed	E	Vegetation <u>60%</u>				
DRAINAGE Good, Moderate, Poor	SE	Non-vascular <u>0%</u>				
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Litter <u>15%</u>				
	SW	Bare Ground <u>5%</u>				
<b>APPROACH</b>	W	Rock <u>35%</u>				
	NW	AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT64 DAY/MONTH/YEAR: 10/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1397050  
 MEASURED BY: LL, AUJ Northing: 5087359  
 RECORDED BY: LL  Single /  Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>
ALTITUDE (m)		(°, record +/-)	Bedrock %
PHYSIOGRAPHY	Ridge, Face, Gully, Terrace		Broken rock %
ASPECT (0-359°)			Size of broken rock <30cm / >30cm
SLOPE (°)	<u>flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>
DRAINAGE	Good, Moderate, Poor	E	Vegetation <u>75%</u> <u>80%</u>
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular <u>12%</u>
		S	Litter <u>15%</u>
<b>APPROACH</b>		SW	Bare Ground <u>15%</u>
		W	Rock <u>8%</u>
		NW	AVERAGE TOP HEIGHT (m)
			CANOPY COVER (%)
<b>LOCATION DIAGRAM</b>			
<b>NOTES (including cultural)</b>			
<u>XANsem</u>			
<b>BROWSE</b>			
	Species	Severity	Herbivore
		L M H	
		L M H	
		L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H	
		L M H	
		L M H	
		L M H	
		L M H	
		L M H	









12:30

**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 1 (#68) PT68 DAY/MONTH/YEAR: 10/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1377440  
 MEASURED BY: AW, LL, SW Northing: 5089023  
 RECORDED BY: AW Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>			
ALTITUDE (m)		(°, record +/-)	Bedrock %			
PHYSIOGRAPHY	Ridge, Face, Gully, Terrace		Broken rock %			
ASPECT (0–359°)			Size of broken rock	<30cm / >30cm		
SLOPE (°)	Convex, Concave, <u>Linear</u>	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>			
DRAINAGE	Good, Moderate, Poor	E	Vegetation	<u>85%</u>		
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular	<u>1%</u>		
APPROACH		S	Litter	<u>25%</u>		
		SW	Bare Ground	<u>2%</u>		
		W	Rock	<u>3%</u>		
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<u>Resurrection lichen present</u>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 78 DAY/MONTH/YEAR: 10/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1377332  
 MEASURED BY: LL, SW Northing: 5088561  
 RECORDED BY: LL (Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000)

SIZE OF RECCE		MESOSCALE TOPOGRAPHIC INDEX (°, record +/-)	SURFACE CHARACTERISTICS:			
ALTITUDE (m)			Bedrock %			
PHYSIOGRAPHY	Ridge, Face, Gully, Terrace		Broken rock %			
ASPECT (0-359°)			Size of broken rock <30cm / >30cm			
SLOPE (°)	<u>Flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL		NE	<b>GROUND COVER %:</b>			
	Mapped / Observed	E	Vegetation <u>75% 80%</u>			
DRAINAGE	Good, Moderate, Poor	SE	Non-vascular <u>1%</u>			
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	S	Litter <u>20%</u>			
		SW	Bare Ground <u>7%</u>			
APPROACH		W	Rock <u>8%</u>			
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<u>XANsom present</u>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>						
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 80 DAY/MONTH/YEAR: 10/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1377193  
 MEASURED BY: LL AW Northing: 5088007  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>				
ALTITUDE (m)	° (record +/-)	Bedrock %				
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		Broken rock %				
ASPECT (0-359°)	N	Size of broken rock <30cm / >30cm				
SLOPE (°) <u>Flat</u> Convex, Concave, Linear	NE	Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL Mapped / Observed	E	<b>GROUND COVER %:</b>				
DRAINAGE Good, Moderate, Poor	SE	Vegetation <u>80%</u>				
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Non-vascular <u>5%</u>				
	SW	Litter <u>15%</u>				
<b>APPROACH</b>	W	Bare Ground <u>10%</u>				
	NW	Rock <u>5%</u>				
		AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<u>XAN sem present</u>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	



PT80  
10/02/26

2 of 2

0-3-1.0	0-0.3 <sub>4</sub>	
		ANTodo
	2 <del>4</del>	Bromus 2
	1	Bromus 1
	1	<del>HYPrad</del> HYPPER
	1	TR1 rep
	5	TR1 arv
1	1	RDS rub
	6	PIL off
	1	PLA lan
4	1	ECH vul
	2	RUM ace
	1	PIL psp
	1	TR1 pra
1	6	Overall



**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 58 DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1378291  
 MEASURED BY: SW, LL Northing: 5089506  
 RECORDED BY: SW  Single /  Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		MESOSCALE TOPOGRAPHIC INDEX (°, record +/-)	SURFACE CHARACTERISTICS:			
ALTITUDE (m)			Bedrock %			
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		N	Broken rock %			
ASPECT (0–359°) <u>—</u>			Size of broken rock <30cm / >30cm			
SLOPE (°) <u>—</u> Convex, Concave, Linear		NE	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL Mapped / Observed		E	GROUND COVER %:			
DRAINAGE Good, Moderate, Poor		SE	Vegetation <u>70</u>			
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked		S	Non-vascular <u>2</u>			
APPROACH		SW	Litter <u>10</u>			
		W	Bare Ground <u>1</u>			
		NW	Rock <u>75</u>			
			AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





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**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT123 DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1375412  
 MEASURED BY: LL, SW Northing: 5089223  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE	MESOSCALE TOPOGRAPHIC INDEX (°, record +/-)	SURFACE CHARACTERISTICS:				
ALTITUDE (m)		Bedrock %				
PHYSIOGRAPHY Ridge, <u>Face</u> , Gully, Terrace		Broken rock %				
ASPECT (0-359°) <u>not measured</u>		Size of broken rock <30cm / >30cm				
SLOPE (°) <u>not measured</u> Convex, Concave, <u>Linear</u>	N	Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL Mapped / Observed	NE	<b>GROUND COVER %:</b>				
DRAINAGE Good, Moderate, Poor	E	Vegetation <u>95%</u>				
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular <u>2%</u>				
APPROACH	S	Litter <u>20%</u>				
	SW	Bare Ground <u>1%</u>				
	W	Rock <u>1%</u>				
	NW	AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
LOCATION DIAGRAM						
NOTES (including cultural) <u>XAN sem</u>						
BROWSE						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
FAUNA (e.g. mammal, bird, reptile, invertebrate)		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 72 DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1375473  
 MEASURED BY: LL Northing: 5089320  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>			
ALTITUDE (m)		(°, record +/-)	Bedrock %			
PHYSIOGRAPHY	Ridge, Face, Gully, Terrace		Broken rock %			
ASPECT (0–359°)			Size of broken rock <30cm / >30cm			
SLOPE (°)	Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>			
DRAINAGE	Good, Moderate, Poor	E	Vegetation <u>90%</u>			
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular <u>1%</u>			
<b>APPROACH</b>		S	Litter <u>20%</u>			
		SW	Bare Ground <u>1%</u>			
		W	Rock <u>1%</u>			
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	









**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT69 DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1377608  
 MEASURED BY: LL Northing: 5090553  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>
ALTITUDE (m)	°; record +/-)	Bedrock %
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		Broken rock %
ASPECT (0–359°)		Size of broken rock <30cm / >30cm
SLOPE (°) <u>Flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic
PARENT MATERIAL Mapped / Observed	NE	<b>GROUND COVER %:</b>
	E	Vegetation <u>85%</u>
DRAINAGE Good, Moderate, Poor	SE	Non-vascular <u>0%</u>
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Litter <u>15%</u>
	SW	Bare Ground <u>5%</u>
APPROACH	W	Rock <u>15%</u>
	NW	AVERAGE TOP HEIGHT (m)
		CANOPY COVER (%)
<b>LOCATION DIAGRAM</b>		
<b>NOTES (including cultural)</b>		
<b>BROWSE</b>		
Species	Severity	Herbivore
	L M H	
	L M H	
	L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>	L M H	L M H
	L M H	L M H
	L M H	L M H
	L M H	L M H
	L M H	L M H
	L M H	L M H









**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT1 DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1378306  
 MEASURED BY: LL, SW Northing: 5089518  
 RECORDED BY: LL, SW (Single / Averaged; 2D / 3D; ± \_\_\_ m; Datum: NZGD49 / NZGD2000)

SIZE OF RECCE		MESOSCALE TOPOGRAPHIC INDEX	SURFACE CHARACTERISTICS:			
ALTITUDE (m)		(°, record +/-)	Bedrock %			
PHYSIOGRAPHY	Ridge, Face, <u>Gully</u> , Terrace		Broken rock %			
ASPECT (0-359°)	<u>231°</u>		Size of broken rock <30cm / >30cm			
SLOPE (°)	<u>18°</u> Convex, Concave, <u>Linear</u>	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>			
DRAINAGE	Good, Moderate, Poor	E	Vegetation <u>25%</u>			
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular <u>1%</u>			
		S	Litter <u>5%</u>			
		SW	Bare Ground <u>3%</u>			
APPROACH		W	Rock <del>5%</del> <u>95%</u>			
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PTS DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: Extrek  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1379911  
 MEASURED BY: SW, LL Northing: 5088951  
 RECORDED BY: SW Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>
ALTITUDE (m)	( $^{\circ}$ , record +/-)	Bedrock %
PHYSIOGRAPHY Ridge, Face, <span style="border: 1px solid black; border-radius: 50%; padding: 1px;">Gully</span> , Terrace		Broken rock %
ASPECT (0–359 $^{\circ}$ ) <u>61<math>^{\circ}</math></u>	N	Size of broken rock <30cm / >30cm
SLOPE ( $^{\circ}$ ) <u>25<math>^{\circ}</math></u> Convex, Concave, <span style="border: 1px solid black; border-radius: 50%; padding: 1px;">Linear</span>	NE	Alluvial, Colluvial, Moraine, Volcanic
PARENT MATERIAL Mapped / Observed	E	<b>GROUND COVER %:</b>
DRAINAGE Good, Moderate, Poor	SE	Vegetation <u>35</u>
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Non-vascular <u>1</u>
<b>APPROACH</b>	SW	Litter <u>1</u>
	W	Bare Ground <u>100</u>
	NW	Rock <u>100</u>
		AVERAGE TOP HEIGHT (m)
		CANOPY COVER (%)
<b>LOCATION DIAGRAM</b>		
<b>NOTES (including cultural)</b>		
<b>BROWSE</b>		
Species	Severity	Herbivore
	L M H	
	L M H	
	L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		
	L M H	
	L M H	
	L M H	
	L M H	
	L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 49 (moved) DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1377932  
 MEASURED BY: SW, LL Northing: 5088969  
 RECORDED BY: SW Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		<b>MESOSCALE TOPOGRAPHIC INDEX</b> (°, record +/-)	<b>SURFACE CHARACTERISTICS:</b>			
ALTITUDE (m)			Bedrock %			
PHYSIOGRAPHY	Ridge, Face, <u>Gully</u> , Terrace		Broken rock %			
ASPECT (0–359°)			Size of broken rock <30cm / >30cm			
SLOPE (°)	Convex, <u>Concave</u> , Linear	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>			
DRAINAGE	Good, Moderate, Poor	E	Vegetation <u>80</u>			
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular <u>2</u>			
		S	Litter <u>10</u>			
		SW	Bare Ground <u>1</u>			
<b>APPROACH</b>		W	Rock <u>100</u>			
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	



RECCE IDENTIFIER: PT49 MEASURED BY: SW,LL  
 DATE: 11/02/26 RECORDED BY: SW,LL

Cover-classes: 1 = <1%, 2 = 1–5%, 3 = 6–25%, 4 = 26–50%, 5 = 51–75%, 6 = 76–100%.

	Tier 3 5–12 m	Tier 4 2–5 m	Tier 5A 1–2m	Tier 5B 0.3–1m	Tier 6A 0.1–0.3 m	Tier 6B <0.1 m
Overall cover			✓ 3	✓ 3	✓ 3	ROSUB
			✓ 2	✓ 3	✓ 3	DISTON
Tier 7					✓ 2	RUNACE
Epiphytes					✓ 1	CERFON
				✓ 1	✓ 4	ANTODO
				✓ 1	✓ 2	MELALP
					✓ 1	PLALC
					✓ 1	POA
					✓ 1	DALGL
					✓ 1	AJRCV
					✓ 1	RYTCS
				✓ 1	✓ 2	ECHW
					✓ 1	HYPL
						<del>RUNACE</del>
					✓ 1	MYODIS
			✓ 1	✓ 2	✓ 2	COTFR
				✓ 1	✓ 1	RIBUG
					✓ 3	PILOLF
					✓	BRADIA
					✓	BRXCC
					✓ 1	STEGRA
						<del>FCSTAS</del>
					✓ 1	CARBLE
					✓ 1	FESUB
					✓ 1	OXALIS
					✓ 1	ANTSOI
					✓ 1	CERANI
					✓ 2	TRJAV
					✓ 1	PILPSP
						<del>OVERALL</del>
⊕					✓ 3	MUEAX
					✓ 1	PILXST
			4	4	6	Overall
					✓ 1	CALDIV

✓ 1 POTARG  
 1 Dodder



**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT122 DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 137 819  
 MEASURED BY: LL Northing: 5084 391  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>				
ALTITUDE (m)	INDEX (°, record +/-)	Bedrock %				
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		Broken rock %				
ASPECT (0–359°)	N	Size of broken rock <30cm / >30cm				
SLOPE (°) <u>Flat</u> Convex, Concave, <u>Linear</u>		Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL	NE	<b>GROUND COVER %:</b>				
Mapped / Observed	E	Vegetation <u>85%</u>				
DRAINAGE Good, Moderate, Poor	SE	Non-vascular <u>15%</u>				
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Litter <u>35%</u>				
	SW	Bare Ground <u>3%</u>				
<b>APPROACH</b>	W	Rock <u>5%</u>				
	NW	AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT121 DAY/MONTH/YEAR: 11/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1378017  
 MEASURED BY: SW Northing: 5089261  
 RECORDED BY: SW (Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000)

SIZE OF RECCE		MESOSCALE TOPOGRAPHIC INDEX (°, record +/-)	SURFACE CHARACTERISTICS:			
ALTITUDE (m)			Bedrock %			
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		N	Broken rock %			
ASPECT (0-359°) <u>X</u>			Size of broken rock <30cm / >30cm			
SLOPE (°) <u>X</u> Convex, Concave, Linear		NE	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL Mapped / Observed		E	GROUND COVER %:			
DRAINAGE Good, Moderate, Poor		SE	Vegetation <u>85</u>			
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked		S	Non-vascular <u>1</u>			
APPROACH		SW	Litter <u>10</u>			
		W	Bare Ground <u>92</u>			
		NW	Rock <u>5</u>			
			AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>						
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT12 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1375882  
 MEASURED BY: SW, LL Northing: 5088533  
 RECORDED BY: SW  Single /  Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE	MESOSCALE TOPOGRAPHIC INDEX (°, record +/-)	SURFACE CHARACTERISTICS:				
ALTITUDE (m)		Bedrock %				
PHYSIOGRAPHY Ridge, Face, Gully, Terrace	N	Broken rock %				
ASPECT (0-359°) <u>219</u>		Size of broken rock <30cm / >30cm				
SLOPE (°) <u>not measured</u> Convex, Concave, Linear	NE	Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL Mapped / Observed	E	GROUND COVER %:				
	SE	Vegetation	<u>85</u>			
DRAINAGE Good, Moderate, Poor	S	Non-vascular	<u>2</u>			
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	SW	Litter	<u>5</u>			
	W	Bare Ground	<u>1</u>			
APPROACH	NW	Rock	<u>30</u>			
		AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
LOCATION DIAGRAM						
NOTES (including cultural)						
BROWSE						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
FAUNA (e.g. mammal, bird, reptile, invertebrate)		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	



RECCE IDENTIFIER: PT12 MEASURED BY: SW, LL  
 DATE: 12/02/26 RECORDED BY: SW

Cover-classes: 1 = <1%, 2 = 1–5%, 3 = 6–25%, 4 = 26–50%, 5 = 51–75%, 6 = 76–100%.

	Tier 3 5–12 m	Tier 4 2–5 m	Tier 5A 1–2m	Tier 5B 0.3–1m	Tier 6A 0.1–0.3 m	Tier 6B <0.1 m
Overall cover				2	6	
				FESrob B2	✓ 3	—
Tier 7					ANTobos	
Epiphytes				ROSob 1	✓ 1	
					PAOaus? 1	⊗
					GER 1	
					RYT 1	⊗
					CRiccp 1	
					WAtalb 1	
					AGRCcp2	
					CARb 1	
					<del>ANTob</del>	
					RuMace 1	
					PINcon 1	
					AIRcw 1	
					ANTsol 1	
					XANsem 1	
					PILxst 1	
					PILoff 5	
					POAcol 1	
				✓ 1	CUTsc 1	
					THELYM 1	
					TRIdw 1	
					RAHoo 1	⊗
					ECHow 1	
					<del>CUTsc</del>	
					FESab 1	
					THELYM 1	
					MYPer 1	
					PILpsp 1	



**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT07 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1375698  
 MEASURED BY: LL, SW Northing: 5088871  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>				
ALTITUDE (m)	°; record +/-)	Bedrock %				
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		Broken rock %				
ASPECT (0–359°)		Size of broken rock <30cm / >30cm				
SLOPE (°) <u>Flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL Mapped / Observed	NE	<b>GROUND COVER %:</b>				
	E	Vegetation <u>30%</u>				
DRAINAGE Good, Moderate, Poor	SE	Non-vascular <u>15%</u> <u>10%</u>				
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	S	Litter <u>25%</u>				
	SW	Bare Ground <u>4%</u>				
<b>APPROACH</b>	W	Rock <u>15%</u> <u>10%</u>				
	NW	AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: MPT03 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1375674  
 MEASURED BY: LL, SW Northing: 5088879  
 RECORDED BY: LL (Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000)

SIZE OF RECCE	MESOSCALE TOPOGRAPHIC INDEX	SURFACE CHARACTERISTICS:				
ALTITUDE (m)	Ridge, Face, Gully, Terrace	Bedrock %				
PHYSIOGRAPHY		Broken rock %				
ASPECT (0-359°)	Convex, Concave, Linear	Size of broken rock		<30cm / >30cm		
SLOPE (°)		Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL	Mapped / Observed	<b>GROUND COVER %:</b>				
DRAINAGE		Vegetation <u>60%</u>				
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	Non-vascular <u>20%</u>				
APPROACH		Litter <u>30%</u>				
		Bare Ground <u>5%</u>				
		Rock <u>8%</u>				
		AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<u>XAN semi present</u>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT 28 DAY/MONTH/YEAR: 12/02/06  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1376811  
 MEASURED BY: LL Northing: 5087933  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>			
ALTITUDE (m)		INDEX (°, record +/-)	Bedrock %			
PHYSIOGRAPHY Ridge, Face, Gully, Terrace			Broken rock %			
ASPECT (0–359°)			Size of broken rock <30cm / >30cm			
SLOPE (°) <u>Flat</u>	Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>			
		E	Vegetation <u>95%</u>			
DRAINAGE	Good, Moderate, Poor	SE	Non-vascular <u>0%</u>			
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	S	Litter <u>25%</u>			
<b>APPROACH</b>		SW	Bare Ground <u>2%</u>			
		W	Rock <u>0%</u>			
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT30 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1376222  
 MEASURED BY: LL Northing: 5088487  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>
ALTITUDE (m)	° (record +/-)	Bedrock %
PHYSIOGRAPHY Ridge, Face, Gully, Terrace		Broken rock %
ASPECT (0–359°)	N	Size of broken rock <30cm / >30cm
SLOPE (°) <u>Flat</u> Convex, Concave, Linear		Alluvial, Colluvial, Moraine, Volcanic
PARENT MATERIAL Mapped / Observed		<b>GROUND COVER %:</b>
DRAINAGE Good, Moderate, Poor	NE	Vegetation <u>70%</u>
CULTURAL None, Burnt, Logged, Mined, Grazed, Tracked	E	Non-vascular <u>0%</u>
	SE	Litter <u>40%</u>
<b>APPROACH</b>	S	Bare Ground <u>6%</u>
	SW	Rock <u>0%</u>
	W	AVERAGE TOP HEIGHT (m)
	NW	CANOPY COVER (%)
<b>LOCATION DIAGRAM</b>		
<b>NOTES (including cultural)</b>		
<b>BROWSE</b>		
	Species	Severity
	Herbivore	Species
	Severity	Herbivore
	L M H	L M H
	L M H	L M H
	L M H	L M H
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>	L M H	L M H
	L M H	L M H
	L M H	L M H
	L M H	L M H
	L M H	L M H
	L M H	L M H



RECCE IDENTIFIER: PT30 MEASURED BY: LL  
 DATE: 12/02/26 RECORDED BY: LL

Cover-classes: 1 = <1%, 2 = 1–5%, 3 = 6–25%, 4 = 26–50%, 5 = 51–75%, 6 = 76–100%.

	Tier 3	Tier 4	Tier 5A	Tier 5B	Tier 6A	Tier 6B
	5–12 m	2–5 m	1–2m	0.3–1m	<del>0.1–0.3 m</del>	<0.1 m
Overall cover				4	5	
				MEDsat 3	3	
Tier 7				DAC glo 3	3	
Epiphytes					PLA lan 2	
					TRI aru 5	
					ROVace 2	
					TRI sep 2	
					PIL off 3	
					TRI pra 1	
					CIC int 1	
					HYP per 1	
					HERB 2 1	
				ROS sub 1	1	
					TRI sub 1	
					LOL per 1	
					ACT mi 2	



**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT33 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1376097  
 MEASURED BY: LL Northing: 5089089  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

<b>SIZE OF RECCE</b>	<b>MESOSCALE TOPOGRAPHIC INDEX</b>	<b>SURFACE CHARACTERISTICS:</b>					
ALTITUDE (m)	Ridge, Face, Gully, Terrace (°, record +/-)	Bedrock %					
PHYSIOGRAPHY		Broken rock %					
ASPECT (0–359°)	N NE E SE S SW W NW	Size of broken rock <30cm / >30cm					
SLOPE (°) <u>Flat</u>		Alluvial, Colluvial, Moraine, Volcanic					
PARENT MATERIAL	SE S SW W NW	<b>GROUND COVER %:</b>					
Mapped / Observed		Vegetation <u>90%</u>					
DRAINAGE	S SW W NW	Non-vascular <u>0%</u>					
CULTURAL		Litter <u>30%</u>					
<b>APPROACH</b>	W NW	Bare Ground <u>0%</u>					
		Rock <u>0.1%</u>					
		AVERAGE TOP HEIGHT (m)					
		CANOPY COVER (%)					
<b>LOCATION DIAGRAM</b>							
<b>NOTES (including cultural)</b>							
<b>BROWSE</b>							
	Species	Severity	Herbivore		Species	Severity	Herbivore
		L M H				L M H	
		L M H				L M H	
		L M H				L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H				L M H	
		L M H				L M H	
		L M H				L M H	
		L M H				L M H	
		L M H				L M H	
		L M H				L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT25 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1376471  
 MEASURED BY: LL Northing: 5088941  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		<b>MESOSCALE TOPOGRAPHIC INDEX</b> (°, record +/-)	<b>SURFACE CHARACTERISTICS:</b>			
ALTITUDE (m)			Bedrock %			
PHYSIOGRAPHY	Ridge, Face, Gully, Terrace		Broken rock %			
ASPECT (0–359°)			Size of broken rock <30cm / >30cm			
SLOPE (°)	<u>Flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>			
DRAINAGE	Good, Moderate, Poor	E	Vegetation <u>95%</u>			
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular <u>0%</u>			
APPROACH		S	Litter <u>10%</u>			
		SW	Bare Ground <u>0%</u>			
		W	Rock <u>0%</u>			
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>						
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT39 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1375913  
 MEASURED BY: LL Northing: 5088765  
 RECORDED BY: LL Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000

SIZE OF RECCE		<b>MESOSCALE TOPOGRAPHIC INDEX</b> (°, record +/-)	<b>SURFACE CHARACTERISTICS:</b>			
ALTITUDE (m)			Bedrock %			
PHYSIOGRAPHY	Ridge, Face, Gully, Terrace		Broken rock %			
ASPECT (0–359°)			Size of broken rock <30cm / >30cm			
SLOPE (°)	<u>Flat</u> Convex, Concave, Linear	N	Alluvial, Colluvial, Moraine, Volcanic			
PARENT MATERIAL	Mapped / Observed	NE	<b>GROUND COVER %:</b>			
DRAINAGE	Good, Moderate, Poor	E	Vegetation <u>75%</u>			
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	SE	Non-vascular <u>0%</u>			
		S	Litter <u>25%</u> <u>30%</u>			
		SW	Bare Ground <u>0%</u>			
<b>APPROACH</b>		W	Rock <u>0%</u>			
		NW	AVERAGE TOP HEIGHT (m)			
			CANOPY COVER (%)			
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





**RECONNAISSANCE (RECCE) SHEET**

National Vegetation Survey Databank (<http://nvs.landcareresearch.co.nz/>) Page 1 of 2

RECCE IDENTIFIER: PT24 DAY/MONTH/YEAR: 12/02/26  
 SURVEY: \_\_\_\_\_ AERIAL PHOTO: \_\_\_\_\_  
 REGION: \_\_\_\_\_ TOPO. MAP NO. & NAME: \_\_\_\_\_  
 CATCHMENT: \_\_\_\_\_ GPS REFERENCE: GPS Make & Model: \_\_\_\_\_  
 SUB-CATCHMENT: \_\_\_\_\_ Easting: 1375847  
 MEASURED BY: LL Northing: 5088790  
 RECORDED BY: LL (Single / Averaged; 2D / 3D; ± \_\_\_\_\_ m; Datum: NZGD49 / NZGD2000)

SIZE OF RECCE	MESOSCALE TOPOGRAPHIC INDEX	SURFACE CHARACTERISTICS:				
ALTIITUDE (m)	Ridge, Face, Gully, Terrace	Bedrock %				
PHYSIOGRAPHY		Broken rock %				
ASPECT (0-359°)	Convex, Concave, Linear	Size of broken rock <30cm / >30cm				
SLOPE (°) <u>Flat</u>		Alluvial, Colluvial, Moraine, Volcanic				
PARENT MATERIAL	Mapped / Observed	<b>GROUND COVER %:</b>				
		Vegetation <u>90%</u>				
DRAINAGE	Good, Moderate, Poor	Non-vascular <u>0%</u>				
CULTURAL	None, Burnt, Logged, Mined, Grazed, Tracked	Litter <u>20%</u>				
		Bare Ground <u>0%</u>				
APPROACH	W	Rock <u>0.5%</u>				
		AVERAGE TOP HEIGHT (m)				
		CANOPY COVER (%)				
<b>LOCATION DIAGRAM</b>						
<b>NOTES (including cultural)</b>						
<b>BROWSE</b>						
	Species	Severity	Herbivore	Species	Severity	Herbivore
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
<b>FAUNA (e.g. mammal, bird, reptile, invertebrate)</b>						
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	
		L M H			L M H	





DATE 19/2/26

Name The Point - PL 21 Job No. 3318  
 Address Surveyal: AW No 3318  
 Description 10x10 RECCE Ph. 578 1033

Ground Cover %	Vegetation		
	Non vascular	85	
	Litter	0	
	Bare	30	
	Rock	15	
		0	

Cover Classes	0.3-1m	
	> 0.3m	≤ 0.3m
Dacglo	4	6
Rumace		5
Triarv		2
Tripra		1
Piloff		1
Crecap		1



DATE 19/2/26

Name The Point - PL 27 Job No. 3319  
 Address Surveyor: AW No 3319  
 Description Lexlo BECCF Ph. 578 1033

Ground Cover %	Vegetation	70	
	Non-vascular	0	
	Litter	<del>20</del> 30	
	Bare	20	
	Rock	0	
Cover Classes		Tier	Tier
		0.3-1	≤ 0.3m
	Dacale	<del>3</del> 3	3
	Medsat	2	3
	Rumace		2
	Tripra		<del>4</del> 4
	Piloff		1
	Triaru		3
	Plalan		1
	Cicint	1	2
	<del>San</del> Sanmin		1



DATE 19/2/26

Name The Point - PL 40 Job No. 3292

Address Surveyor - AW No. 3292

Description 10x10 RECCE Ph. 578 1033

Ground cover %	Vegetation		
	Vegetation	85	
	Non vascular	0	
	Litter	30	
	Bare	10	
	Rock	4	

Cover Classes	0.3-1m	≤0.3m
Tripra		3
Triarv		5
Medsat	4	4
Dacalo	3	4
Piloff		3
Echunl		1
Trilep		1
Plalan		1
Crecap		1
Grass		1
Rumace		3
Brome 2		1
Sanmin plant	✚	1
Cicinf	✚	1



DATE 19/2/26

Name The Point - PL120 Job No. 3291

Address Surveyor: AW No. 3291

Description 10x10 RECCE Ph. 578 1033

Ground Cover %	Vegetation			
	Vegetation	99		
	Non vascular	0		
	Litter	40		
	Bare	2		
	Rock	0		

Cover Classes	≤ 0.3	0.3-1m		≥ 1.0m
		0.3-1m	1.0-2m	≥ 2m
Trirep	2			
Tripla	1			
Triaru	5	1		
Dacgl	1			
Rumace	3			
Creca	1			
Piloff	4			
Brodia <del>Bromat</del>	4	3		
Brotec <del>Bromat</del>	2	2		
Rosub	3	3	2	
Erocic	1			
Echvul	1			
Hypper	1			