

Farm Environment Plan

Claire Parkes, Castledowns Farm

NZFAP PLUS

3.0 Environment

- 3.1 Farm Infrastructure Map
- 3.2 Natural Resource Information & Map
- 3.3 Land and Freshwater Management Plan
- 3.4 Freshwater Management
- 3.5 Stock Exclusion
- 3.6 Management of Crops and Winter grazing
- 3.7 Nutrient Management and Soil health
- 3.8 Indigenous Biodiversity
- 3.9 Greenhouse Gases and Climate change



Solocator





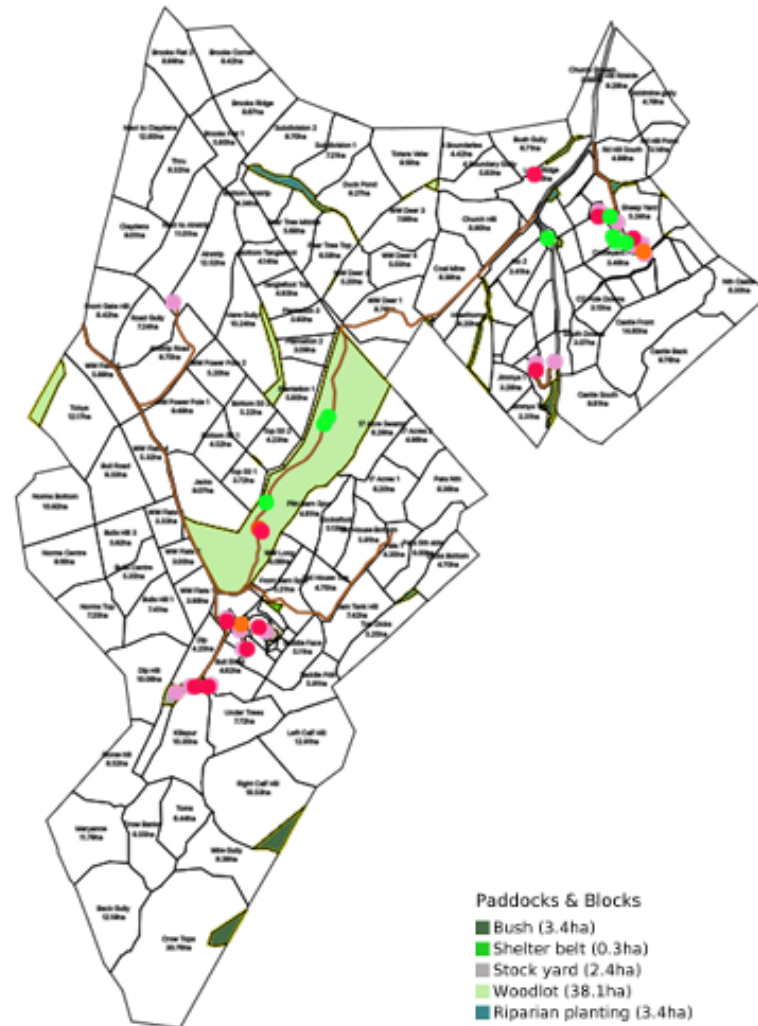
☉ 170°S (T) ☉ -41.432593, 173.033126 ±6m ▲ 134m



Riparian

Brooks Valley
06 Jan 2025, 3:02:27 pm

Infrastructure



Paddocks & Blocks

- Bush (3.4ha)
- Shelter belt (0.3ha)
- Stock yard (2.4ha)
- Woodlot (38.1ha)
- Riparian planting (3.4ha)

Features

- Roads (8392.6m)
- Balge & Silage storage sites (8)
- Contaminated Sites (1)
- Fuel Tanks (2)
- Offal Pits (2)
- Resource Care and Planning (16)
- Sewerage disposal Units (8)

0 km 1 km

SE

120

150

S
180

210

SW

240

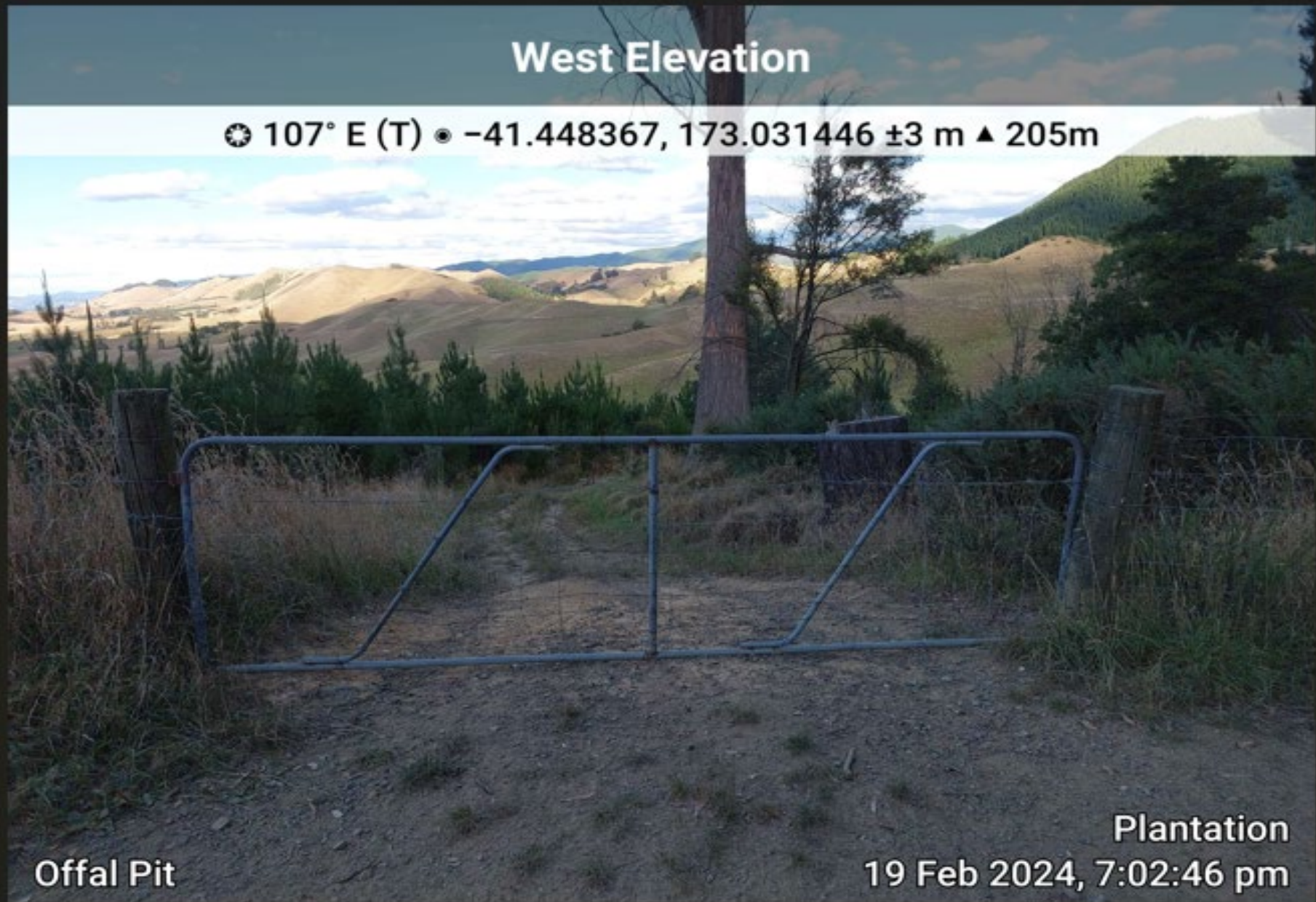
Fertiliser Bin
04 Oct 2021, 14:21:43

Fertiliser Bin
04 Oct 2021, 14:21:43



West Elevation

☀ 107° E (T) • -41.448367, 173.031446 ±3 m ▲ 205m



Offal Pit

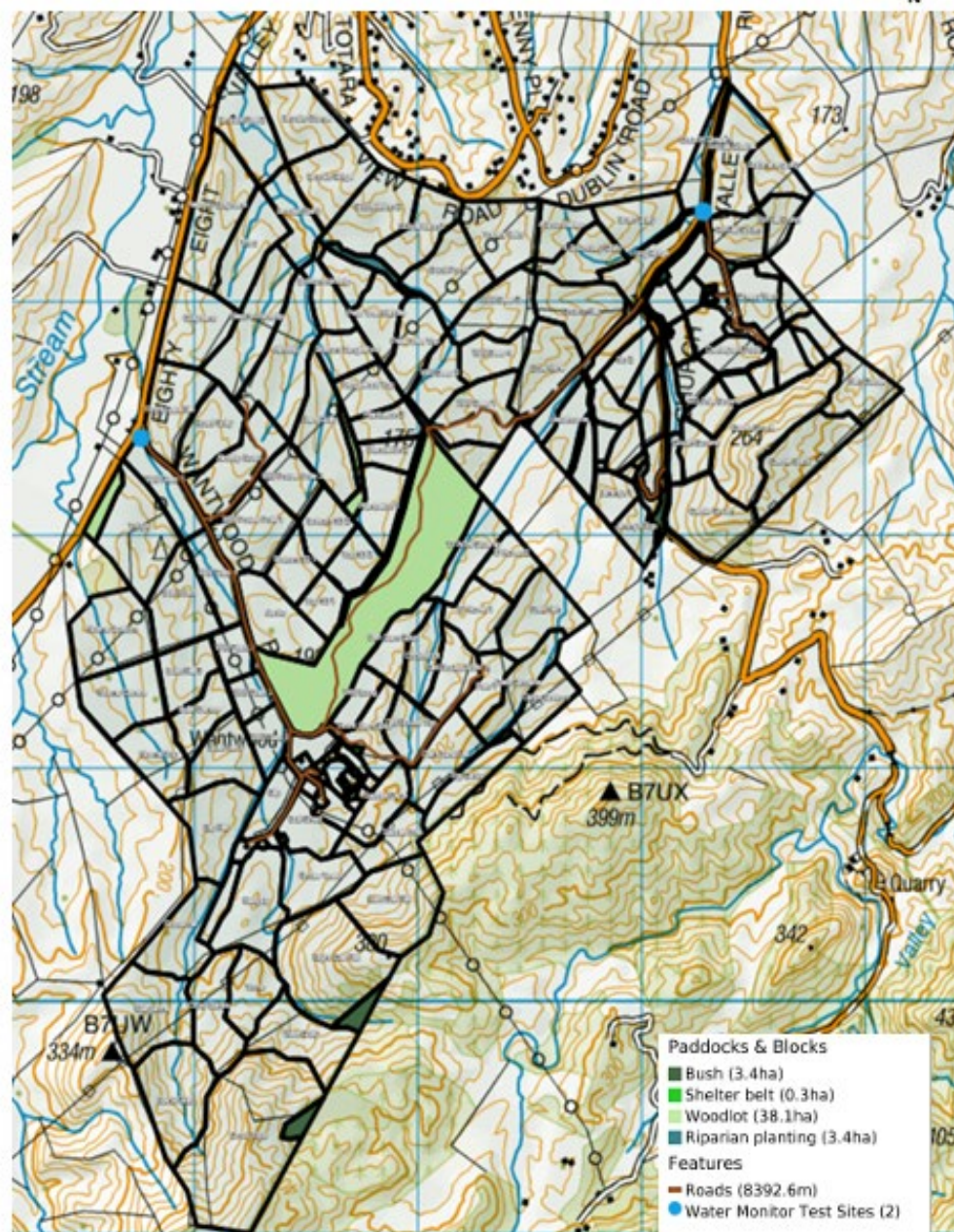
Plantation
19 Feb 2024, 7:02:46 pm



16%



[illegible]

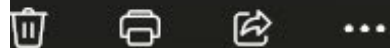


0 km 1 km

Freshwater Risk Template

FW3

Risk to freshwater health	Risk factors on your farm	Overall risk rating
A. Deposited fine sediment	Mt Heslington soils are prone to movement with rainfall.	Med
B. Excessive algae/periphyton/slime	Small creeks and ditches with minimal flow or which stop flowing in the summer. Residual pools of water are prone to slime.	High
C. Nitrogen	Minimal Nitrogen used. Used to increase feed when difficult season and with crop establishment.	Low
D. Phosphorus	Phosphorus is reasonably stable and non soluble so is applied away from waterways then should not be an issue. Prevalent Hill country means run-off could be a bit of an issue.	Low
E. Faecal bacteria and pathogens	Farm sheep, cattle and deer. Cattle are almost totally excluded from streams. Deer also excluded from almost all waterways but they create environments for diseases such as leptospirosis. These generally are away from waterways. Farm has many drainage ditches.	High
F. High temperature	Can be summer dry. Fire risk from neighbouring life-style blocks.	Med
G. Harmful Chemicals	Used only as necessary for pasture renovation and weed control.	Low
H. Altered river form and channel margins	Farm has only creeks and streams. Stream banks height range from approx 0.5 to maximum 3.0 metres. Most of the streams have grass banks.	Low
I. Toxic Algae		
J. Other	1. Stock movements. 2. Lack of trees around streams. 3. Rubbish dumping from adjacent public roads. 4. Dust from paper road.	Med



2023-10-11-WW Flats troughs.jpg



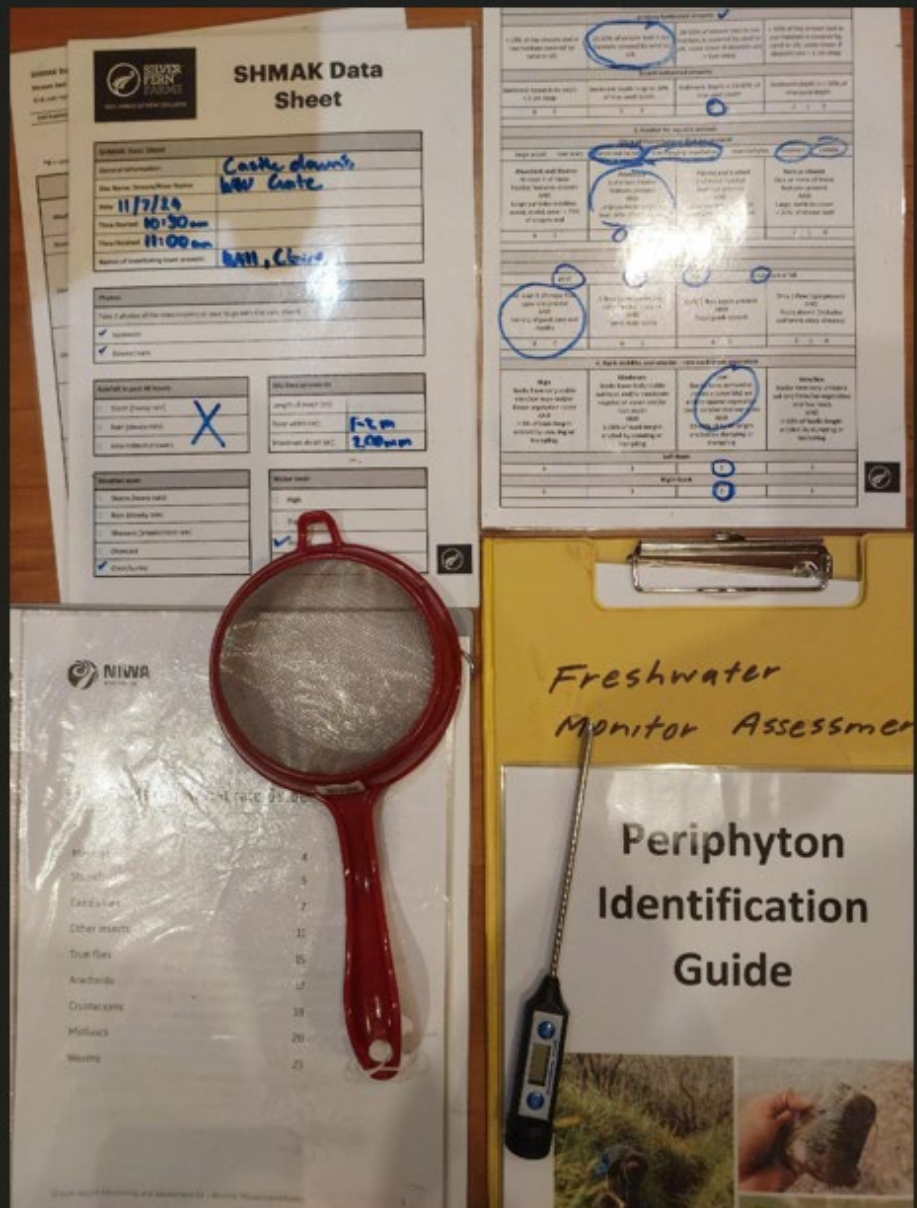
South East Elevation

☉ 342°NW (T) • -41.446019, 173.025324 ±3 m ▲ 153 m



11 Oct 2023, 7:37:39 pm

Water testing Kit.jpg





Wetland Cnr Pddk-2021-10-02-16-08-15 (1).jpg



S
180

SW

W
270

NW

210

240

300

330

☼ 256° SW (T) ● -41.433511, 173.049271 ±5 m ▲ 111 m



02 Oct 2021, 16:08:15

1280 x 720 847.9 KB



85%





Solocator-2022-03-30-11-29-33 (1).jpg



SW

240

W

270

300

NW

330

N

0

30

☉ 307°NW (T) ● -41.431746, 173.030139 ±8 m ▲ 112 m



30 Mar 2022, 11:29:33

1280 x 720 747.7 KB



85%



South Elevation

☉ 356° N (T) ● -41.441169, 173.047712 ±30 m ▲ 111

Sth Downs Crop Grazing Winter 2022

Grazed by 280 WARS





☉ 131° SE (T) ● -41.43868, 173.050062 ±5 m ▲ 122 m



Realigned 2017

PP Sthdowns Fence line
02 Oct 2022 10:22:36

Lizard 310 Garden.jpg



Biodiversity-2024-11-27-10-20-03.jpg



CD Deer pddks Biodiversity
27 Nov 2024, 10:20:03 am

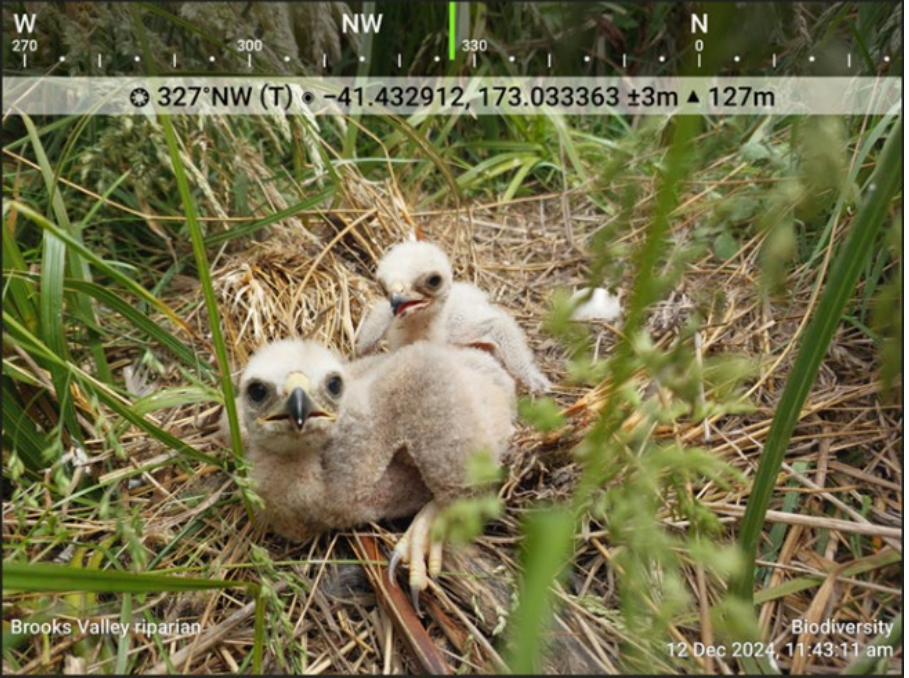
20230622_093735.jpg



Galaxy A73 5G

374.6 KB 41%

Biodiversity-2024-12-12-11-43-11.jpg



Brooks Valley riparian Biodiversity
12 Dec 2024, 11:43:11 am

9.2 MB 20%