attachment 47a
Hurunui River upper reaches - Photo locators
Photos Hurunui Upper North Branch to Lake Sumner

PROPOSED HURUNUI & WAIAU RIVER REGIONAL PLAN

*All photos are within ECAN's proposed Zone C unless stated otherwise
Photo location 1: Upper North Branch floodplain & river flats, coalescing fans and isolated mountain. Looking downstream toward Macs Knob and Mount Longfellow.

Photo location 2: Landslip Stream

Photo location 4: Upper North Branch delta landform. Looking downstream toward Lake Sumner and Mount Longfellow.

Flight photographs courtesy of Fish & Game

Flight photograph courtesy of Fish & Game
Lake Sumner Conservation Park

Photo location 5:
Lake Sumner looking up Upper North Branch.
March 1985
Photos Hurunui North Basin Lakes

PROPOSED HURUNUI & WAIAU RIVER REGIONAL PLAN

*All photos are within ECAN’s proposed Zone C unless stated otherwise
150 years ago Julius Von Haast described the “thickly grassed riverbed” and “grassy rounded roches moutonnees” of the glaciated Hurunui lakes area. “The contrast between these grassy rounded hills and the high rugged mountains, covered to a height of 4,000 feet with dark beech forest, was very attractive.” At Sumner Lake “It was indeed a great pleasure to be able once more to enjoy nature in her pure virgin solitude. The quiet mirror of the lake, only disturbed here and there by ducks and other water birds; the dark forest, with the rugged rocky peaks above it, reflected in the lake, formed a landscape of such exquisite beauty that I was very unwilling to leave it.” (Lucas Associates, 1995. p.16). Photograph courtesy of Shaun Barnett, Fish and Game, 2007.
Photo point 8: Lake Sumner outlet.

Pass between Gabriel Stream and Jollie Brook

Photo point 8: Lake Sumner outlet to North Branch
Photo location 9: Lake Marion looking south toward Lake Sumner

Photo location 10: The Brothers north face from Observation Point on Hope Kiwi Track below Lake Marion. Photo courtesy of Lesley Shand.

Photo location 11: Macs Knob overlooking Lake Sumner and Loch Katrine

Photo location 12: Lake Sumner and Loch Katrine. Till and active floodplain and channel landform in foreground.

Flight photographs courtesy of Fish & Game
Photo location 13: Lake Sheppard and Lake Taylor separated by Conical Hill. Looking south toward The Lakes Station.

Photo location 14: Lake Mary

Photo location 15: Lake Sheppard

The Sisters - H7 Isolated mountain
Hooligan Range on skyline
Oronoko Range - H13 Mountain range

Flight photographs courtesy of Fish & Game

Lake Sheppard, Lake Taylor and Lake Mary
Photo point 16: South of The Brothers from The Sister.

- Oronoko Range - H13 Mountain range
- Conical Hill - H7 Isolated mountain
- Woolshed Ridge - H13 Mountain range

Photo point 17: Lake Sheppard from The Sisters.
Nelson Tops - H19 Main divide.  
The Brothers - H13 Mountain range.  
Conical Hill - H7 Isolated mountain.  

Photo point 18: Lake Taylor
The Sisters - H7 Isolated mountain

Woolshed Ridge - H13 Mountain range

Conical Hill - H7 Isolated mountain.

Photo point 21: Lake Taylor camp site/reserve.
Photo point 22: The Lakes looking north toward The Brothers. Raupo Pond is in the foreground below The Lakes homestead.
Photos Hurunui North Branch

PROPOSED HURUNUI & WAIAU RIVER REGIONAL PLAN

*All photos are within ECAN’s proposed Zone C unless stated otherwise
Haast recorded “Before the shore can be reached, at least ten old beaches, fully preserved and extending over the valley in a half circle, have to be descended.”

Julius von Haast. 1859. A VISIT TO THE HURUNUI, in Alone in a Mountain World.

Flight photographs courtesy of Fish & Game

Photo location 25: Beach deposits at lake mouth.

Photo courtesy of Lesley Shand

attachment 66
Lake Sumner Outlet
Photo point 26: North Branch eastern end of The Brothers, below Gabriels looking downstream across younger terraces and floodplain L.T. Kowhai line the river banks.

Photo point 27: North Branch eastern end of The Brothers, below Gabriels looking downstream across younger terraces and floodplain L.T.
Mount Longfellow - H13 Mountain range.

Photo point 29: North Branch younger terraces and floodplain.

Photo point 28: Mount Longfellow - H13 Mountain range.

North Branch eastern end of The Brothers (H1 + H2 L.T.)
Photo point 30: North Branch looking downstream across younger terraces and floodplain L.T.
Photo location 33: Jollie Brook confluence with North Branch looking north toward Little Sisters.

Jollie Brook - H13 Mountain range

Little Sisters - H7 Isolated mountain
Photo point 35: Looking upstream Hurunui River. Lake Sumner Road on true right of river.

Photo point 36: Looking north toward Jollie Brook. ‘Cotton wool’ cloud on true right of Jollie Brook. Hurunui River to right of telegraph lines.
attachment 73
North Branch above South Branch confluence
(Incised channel cut into bedrock with remnant terraces L.T.)
Maori Gully (Incised channel cut into bedrock with remnant terraces L.T.)

Photo location 38: Dozy Stream confluence to North Branch below South Branch confluence.

Photo point 39: From bottom end of Maori Gully looking upstream.
Photo location 40: Maori Gully looking downstream toward Surveyors Stream and terraces. Lake Sumner Road on right.

Photo location 41: North Branch intermediate and low terraces southeast of Mt Miza below Maori Gully. Looking downstream toward Dampier Knob.

Photo location 42: Looking downstream toward Beau Saddle.

Flight photographs courtesy of Fish & Game

North Branch Maori Gully to below Beau Saddle (Low to high terraces L.T's)
Photo location 43: Downstream of Glenrae confluence to North Branch looking toward Dampier Knob.

Zonal B

Photo location 44: Mandamus confluence.

Zonal B

Photo location 44: Angler - Mandamus confluence

Zonal B

attachment 76
Mandamus confluence to Hurunui
South Branch toward Operation Ark

Photo location 46: South Branch north of Mason Stream confluence looking upstream. Flight photograph courtesy of Fish & Game.

*All photos are within ECAN's proposed Zone C unless stated otherwise
Photo location 45: Lake Mason (south) outlet into Mason Stream which drains into South Branch. Bell Knoll in centre background.

Photo location 45: Lake Mason and Lake Mason Hut. Looking south toward South Branch. Bell Knoll and Island Hills in centre background.

Photo location 45: Lake Mason (north). Looking toward the northern end of Woolshed Ridge.

Flight photographs courtesy of Fish & Game.
Island Hills - H13 Mountain range

Bell Knoll - H7 Isolated mountain

Photo location 47: South Branch basin

Photography courtesy of Lesley Shand (Autumn 2007)
Crawford Range - H19 Main divide.

Mason Stream public access to South Branch

Photo point 49: South Branch river bed

attachment 83

South Branch Basin (Floodplains, fans and river flats L.T.)
Photo point 49: Flora of the fluvial channelled island in the South Branch.

Photo point 49: South Branch basin looking upstream. Moraine, High terraces and Isolated Mountain (Bell Knoll) landforms in midground.

Studleigh Range - H13 Mountain range
Bell Knoll - H7 Isolated mountain.
Crawford Range - H19 Main divide.

Raoulia hookeri
Raoulia haastii
Scleranthus uniflorus

Raoulia subsericea

Photo point 49: Flora of the fluvial channelled island in the South Branch.

attachment 84
South Branch Basin (Floodplains, fans and river flats L.T.)
Studleigh Range - H13 Mountain range

Crawford Range - H19 Main divide.

Mason Stream public access to South Branch

Photo point 50: South Branch basin looking upstream.

Raoulia subsericea

Muehlenbeckia axillaris

Aristotelia fruticosa

Photo point 49: Flora of the fluvial channelled island in the South Branch (see above photo)

attachment 85

South Branch Basin (Floodplains, fans and river flats)
Photo point 50: South Branch basin looking downstream.

Photo point 49: Flora of the fluvial channelled island in the South Branch.

*Raoulia subsericea* & *Epilobium brunnescens*

*Raoulia hookeri*

*Epilobium brunnescens*

*Raoulia tenuiculusis with Hydrocotyle novae-zelandiae growing out of it*
South Branch Basin (Floodplains, fans and river flats)

Studleigh Range - H13 Mountain range

Bell Knoll - H7 Isolated mountain

Crawford Range - H19 Main divide

Photo point 50: South Branch basin looking upstream. Fluvial channelled island in foreground hosts an array of indigenous flora (see below photos).

*Raoulia haastii*  *Raoulia hookeri*  *Epilobium brunnescens*  *Raoulia subsericea*  *Raoulia hookeri*  *Muehlenbeckia axillaris*  *Epilobium melanocaulin*  *Raoulia tenuiculus*

Photo point 49: Flora of the fluvial channelled island in the South Branch (see above photo)

attachment 87
South Branch Basin (Glacial and fluvial valley floor L.T.)

- Island Hills - H13 Mountain range
- Studleigh Range - H13 Mountain range
- Bell Knoll - H7 Isolated mountain
- Crawford Range - H19 Main Divide

Photo point 50: South Branch basin looking upstream

- Homestead Stream, between high terraces & fans (left) and moraine (right)

Dampier Range - H13 Mountain range
- Island Hills - H13 Mountain range
- Moraine - Glacial depositional landform

Photo point 50: South Branch basin looking downstream

attachment 88

South Branch Basin (Glacial and fluvial valley floor L.T.)
South Branch Basin (Glacial and fluvial valley floor L.T.)

- Island Hills - H13 Mountain range
- Studleigh Range - H13
- Crawford Range - H19 Main divide

Photo point 51: South Branch basin looking upstream

Photo point 51: Flax Stream track

Photo point 51: Dampier Range - H13 Mountain range.

attachment 89
Photo point 52: Distinctive change in vegetation from Kanuka & Manuka on the north side to Beech forest on the south side of Woolshed Ridge.
Photo location 53: South Branch looking downstream toward North Esk confluence with South Branch.

South Branch Basin (Floodplains, fans and river flats L.T.)

Flight photographs courtesy of Fish & Game
Photo location 54: South Branch basin from above gorge looking upstream toward Bell Knoll, Studleigh and Crawford Ranges.

Photo location 55: Looking upstream toward South Branch basin. Green remnant terrace in foreground. Photography courtesy of Lesley Shand (Autumn 2007)

Flight photographs courtesy of Fish & Game

South Branch Gorge
Photo location 56: South Branch gorge looking downstream.

Photo location 56: South Branch gorge.
Photo location 56: South Branch gorge looking upstream.

Photo location 57: South Branch gorge looking downstream toward Esk Head Station. Hooligan Range in background.

Photo location 58: South Branch gorge looking downstream toward Hooligan Range. Esk Head Station woolshed on terrace in centre of photograph.

Remnant Terraces

Flight photographs courtesy of Fish & Game
Photo location 59: South Branch gorge looking downstream toward Hooligan Range and South Branch confluence.
Photo point 60: South Branch looking downstream toward mainstem of the Hurunui River

Photo point 60: South Branch looking upstream ('rock gate' of Oronoko Range)

At South Branch confluence to Mainstem (Remnant terraces & floodplain L.T.)

Photo courtesy of Lesley Shand.

attachment 96