

PERMANENT PLOT RECONNAISSANCE (RECCE) PLOT SHEET

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PLOT IDENTIFIER: Exclosure 1 DAY/MONTH/YEAR: 1st April 2010
 SURVEY: Mt Fyffe Express AERIAL PHOTO: n/a
 REGION: Kaikoura TOPO. MAP NO. & NAME: NZMS 260 031
 CATCHMENT: Hapuku River GPS REFERENCE: GPS Make & Model: Garmin Map 76
 SUB-CATCHMENT: - Easting: 2562138
 MEASURED BY: Fred Dagg Northing: 5881495
 RECORDED BY: Barry Crump Single (Averaged): 2D (3D) ± 9.0 m; Datum: NZGD49/NZGD2000

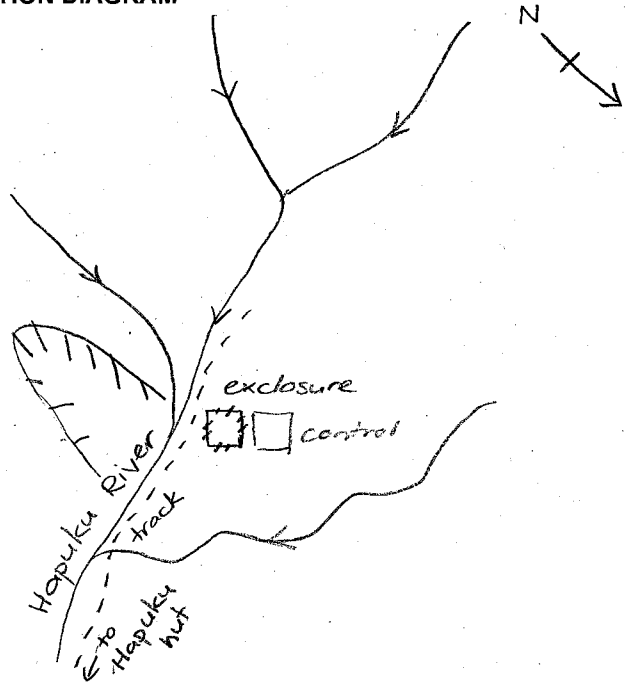
PLOT LAYOUT	Bearing	Tape length	MESOSCALE TOPOGRAPHIC INDEX (°, record +/-)	SURFACE CHARACTERISTICS:
A-D	224	18.5	N +32	Bedrock % 0
D-M	130	18.5	NE +4	Broken rock % 10
M-P	45	20.0	E -2	Size of broken rock <30cm / >30cm
P-A	315	20.0	SE +18	-Alluvial, Colluvial, Meraine, Volcanic-
ALTITUDE (m)	760		S +27	GROUND COVER %:
PHYSIOGRAPHY	Ridge , <u>Face</u> , Gully , Terrace		SW +20	Vegetation 85
ASPECT (0-359°)	130		W +36	Non-vascular 15
SLOPE (°)	17 Convex , Concave , <u>Linear</u>		NW +40	Litter 90
PARENT MATERIAL	<u>Greywacke</u> Mapped / Observed			Bare Ground 1
DRAINAGE	<u>Good</u> , Moderate, Poor			Rock 1
CULTURAL	<u>None</u> , Burnt, Logged, Cleared, Mined, Grazed, Tracked			AVERAGE TOP HEIGHT (m) 20
				CANOPY COVER (%) 45

APPROACH Follow track upstream from Hapuku hut for 1.3km until opposite large slip. Plot is on true left of track.

NOTES (including cultural)

Fence intact
PODhal canopy with thick POLVES under.

LOCATION DIAGRAM



BROWSE:

Species	Severity	Herbivore	Species	Severity	Herbivore
<u>HEBtra</u>	<u>LMH</u>	<u>ungulate</u>		<u>LMH</u>	
<u>GR117</u>	<u>LMH</u>	<u>ungulate</u>		<u>LMH</u>	
	<u>LMH</u>			<u>LMH</u>	
FAUNA (e.g., mammal, bird, reptile, invertebrate)	<u>LMH</u>			<u>LMH</u>	
<u>fantail, bellbird, robin</u>	<u>LMH</u>			<u>LMH</u>	
<u>pig sign</u>	<u>LMH</u>			<u>LMH</u>	
	<u>LMH</u>			<u>LMH</u>	

Project:		MT FYFFE EXPRESS				Measured by: F. Dagg	
Date:		1 Apr 2010				Recorded by: B. Crump	
Plot	Sub	Tag	NVS Code	Notes	DBH	DBH	Notes
					cm		
			2000	All		2000	
EX 1	A	A 29	GRILIT	2000 Dead	5.8	-	not found
EX 1	B	A 30	FUCEXC		8.7	9.0	
EX 1	B	A 33	CARSER		8.9	8.9	top dying
EX 1	B	AB5566	COPLIN		2.5		
EX 1	C	A 31	PSECOL		13.2	3.4	✓, 2000 dbh wrong
EX 1	C	A 32	COFPOE		5.5	5.6	
EX 1	D	A 34	PODHAL		80.6	80.9	
EX 1	D	A 35	PITTEN		8	8.3	
EX 1	D	A 37	CARSER		7.2	7.1	✓
EX 1	D	A 38	COPLIN	]	5.6	5.7	
EX 1	D	A 39	COPLIN		4.6	4.6	
EX 1	E	40	PSECOL		7.9	8.0	
EX 1	E	41	PSECOL		6.3	-	dead & fallen
EX 1	F	42	PODHAL		5.7	5.9	
EX 1	F	43	FUCEXC		48.5	50.0	
EX 1	F	44	CARSER		10.6	11.0	
EX 1	F	AB5567	COPTAY		2.7	2.8	
EX 1	G	45	PSECOL		8.1		not found
EX 1	G	46	CARSER		41.8	42.0	
EX 1	G	48	COPTAY		5.3	5.5	COPLIN
EX 1	H	51	PSECOL		4.7		
EX 1	H	AB5568	COPTAY		2.8	2.9	
EX 1	I	52	GRILIT		20.1	18.9	✓ trunk damaged
EX 1	I	53	CARSER		5.1	5.5	
EX 1	I	54	PODHAL		8.1	8.3	
EX 1	I	AB5569	PSECOL		2.8	2.8	snapped above tag
EX 1	J	55	COPTAY	]	3.8	3.9	
EX 1	J	56	COPTAY		6.5	6.6	
EX 1	J	57	COPTAY		5.7	6.0	
EX 1	J	58	PSECOL		7.2	7.4	
EX 1	J	AB5570	PODHAL		3.8	4.0	
EX 1	J	AC5589	PSECOL		2.9	3.1	tag actually AC5589
EX 1	K	61	CARSER		23.8	24.1	
EX 1	X L	62	PSECOL		4.2	4.5	subplot L
EX 1	L	63	FUCEXC		18.8	20.1	
EX 1	L	64	PSECR		2.6	3.1	
EX 1	M	65	WEIRAC	]	19.2	20.1	} data entry error? all CARSER
EX 1	M	66	WEIRAC		5.2	5.2	
EX 1	M	67	WEIRAC		16.8	16.9	
EX 1	M	68	WEIRAC		7.9	8.1	
EX 1	M	AB5571	HEBE		3.0	3.6	HEBtra ^o
EX 1	M	AB5572	PSECOL		2.7	3.1	
EX 1	M	AB5573	PSECOL		2.6		dead
EX 1	M O	AB5574	PSECOL	]	3.4	2.8	✓
EX 1	O	69	PODHAL		24.1	25.0	
EX 1	O	70	COPLIN		5.2	5.5	
EX 1	O	71	GRILIT	]	17.2	17.6	
EX 1	O	72	GRILIT		33.2	34.0	
EX 1	O	73	PSECOL		4.2	4.3	
EX 1	O	74	PSECOL		4.5	4.5	
EX 1	O	75	PSECOL		3.4	3.9	
EX 1	P	76	COPTAY		5.5	5.8	
EX 1	P	77	COPTAY		4	dead	

✓ = double-checked

STEM DIAMETER AND SAPLING SHEET

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PLOT IDENTIFIER: Ex1 DAY/MONTH/YEAR: 1 Apr 2010
 SURVEY: Mt Fyffe Express MEASURED BY: B. Crump
 CATCHMENT: Hapuku R. RECORDED BY: F. Dagg

Sub-plot	Species	Tag No.	DBH	No. of saplings	Notes
<A>	PODhal			2	||
	PSEcol			3	|||
	PSEcra			1	
	COPTay			5	###
	COPlin			2	||
<C>	none				
<D>	COPlin			2	||
	PSEcol			3	|||
	PODhal				
<E>	PSEcol			1	
	MYRdiv [©]			1	
<F>	PODhal			3	|||
	COPlin			1	
	COPTay			3	|||
	PSEcol			4	||||
<G>	PSEcol			7	### ||
<H>	none				
<I>	PODhal			1	
<J>	PSEcol			4	||||
	COPlin			1	
<L>	PSEcra			1	
<M>	COPTay			3	
<N>	none				
<O>	COPlin			2	
<P>	PSEcol			5	###

UNDERSTOREY SUBPLOT SHEET

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PLOT IDENTIFIER: Ex 1
 SURVEY: Mt Fyffe Express
 CATCHMENT: Hapuku R.

DAY/MONTH/YEAR: 1/4/10
 MEASURED BY: B. Crump
 RECORDED BY: F. Dagg

Sub-plot	Species	< 15	16-45	46-75	76-105	106-135
1	Coprosma	✓	too small	to ID		
	POLves	✓	✓	✓		
2	POLves	✓	✓	✓		
3	nothing					
4	ASTfra	✓				
	MYRdiv [Ⓞ]		I = 1			
	ASPFib	✓				
	COPgra		I = 1			
	PSEcol		III			
5	POLves	✓	✓			
	COPlin		I			
6	BLEpen	✓				
	MICave	✓	✓			
	ASPFla	✓				
	MOSS	✓				
7	peg not found - replaced					
	POLves	✓	✓	✓		
8	Uncinia	✓				
	MICave			✓		
	COPROS	✓	(COPgra?)			
9	POLves	✓	✓			
	PSEcra		I			
10	MYCmur	✓				
	LIBixi	✓				
	UNCunc [Ⓞ]		✓			
	ASPFib	✓				
11	POLves	✓	✓	✓		
12	POLves	✓	✓			

Sub-plot	Species	< 15	16-45	46-75	76-105	106-135
13	ASPFib	✓				
	COPgra		II = 2			
	MYCmur	✓				
14	PSEcol			I		
	MICave		✓			
	POLves	✓	✓			
	COPlin		I		II = 2	
15	under log					
	ASPapp	✓				
	UNCINI		✓			
16	PODhal		I			
	POLves	✓				
	MICave	✓	✓			
17	POLves	✓	✓	✓		
19	POLves	✓	✓			
	PSEcra	✓				
	COPTay					I = 1
20	POLves	✓	✓	✓		
	COPTay	✓				
21	ASTfra		✓			
	GRlit	✓				
	COPTay				I	
	UNCINI					
22	POLves	✓	✓			
	ASPFib	✓				
23	POLves	✓	✓	✓		
24	UNCunc [Ⓞ]	✓	✓			
	POLves	✓				
	MYCmur	✓				