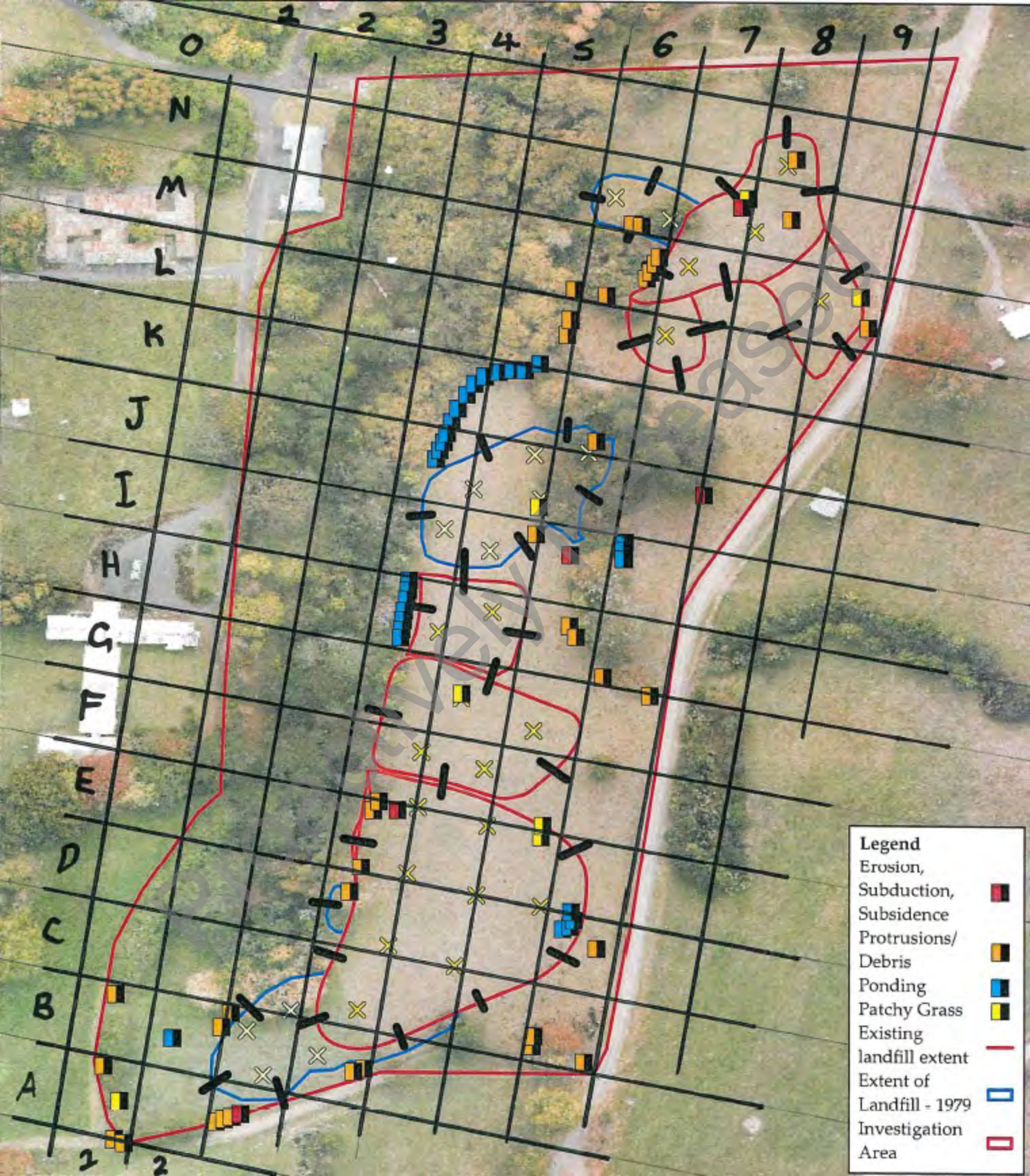


Proactively Released

***Appendix B***

***Landfill Annual (2022) Walkover Survey Findings***



Legend	
Erosion, Subduction, Subsidence	Black rectangle
Protrusions/Debris	Yellow and black rectangle
Ponding	Blue rectangle
Patches of Grass	Yellow and black rectangle
Existing	Yellow 'X'
landfill extent	Red line
Extent of Landfill - 1979	Blue line
Investigation Area	Red line

Landfill Area	Grid	Description – November 2022
-	A1	Patches of dead grass, cement and wooden post debris
-	A2	-
Extent of A	A3	Large concrete block, small subsidence/erosion near fence, cement protrusion
-	B1	Wooden planks, cement, cement piping debris, patchy grass growth
Extent of A	B2	Previous ponding – lily's growing
Extent of A	B3	2 ceramic pipes protruding
A	B4	Loose rock, brick, cement along fence boundary gully. Single cement block protruding
-	C1	-
-	C2	-
A	C4	-
A	C5	-
A	C6	-
-	C7	Mixed cement blocks, water trough?
A	D4	Concrete block protruding at surface
	D5	-
	D7	Trough, ponding
	E4	Subsidence – ground has sunken, wooden post protruding, rock/concrete protruding, patches of dying pasture, another sunken part, stumps protruding
	E5	
	E6	Patchy pasture
	E7	Patchy pasture
A & B	F4	-
	F5	-
	F6	Patchy pasture throughout
-	F7	
B	G4	
	G5	Patchy vegetation growth
	G6	-
-	G7	-
C	H4	Ponding at fence boundary
	H5	-
-	H6	Bricks, wooden post protruding
-	H7	Cement, wooden post protrusion
Extent of C	I4	-
	I5	Erosion, subduction at boundary fence
-	I7	Minor ponding
Extent of C	J4	-
	J5	Patchy pasture
	J6	-
-	J7	-
-	J8	erosion
-	K4	ponding
Extent of C	K5	ponding
	K6	Small subsidence
-	K7	

-	K8	
-	L5	Concrete, ceramic protrusion
F	L6	
	L7	
E	L8	
D	M6	Rock, concrete blocks, scrap metal, metal piping, wooden posts
	M7	-
E	M8	-
	M9	Patchy pasture
D	N6	Brick, metal pipe protruding
	N7	Subsidence
	N8	
-	O5	-
-	O6	-
D	O8	Old stump protrusion
-	O9	-
-	P7, P8, P9	-

#### **Supplementary notes; based on landfill area**

Area A: Area A was largely observed as lush pasture, with some fill protrusion and one instance of ponding and subsidence/erosion.

Patchy pasture was noted within grids B1, B2, and B3 stretching west through the extent of area A, and areas E4, E6, E7 and F6 along the northern boundary of Area A and southern boundary of Area B.

Protrusion of wooden posts and planks were visible at A1 and B1, which is reasonably far from the extent of the landfill in 1979, and at E4 at the edge of area A, which is more likely associated with filling activities. Cement blocks protrude at A1 and B1 which is reasonably far from the extent of Area A1 and likely dumped. They were also found protruding at A3, B4, D4, and E4 along the boundary fence line and western extent of Area A. 2 Ceramic posts were also noted to protrude at grid B3, at the extent of Area A.

Ponding was observed at Grid D7, surrounding a permanent water trough. Subsidence/Erosion was visible at grid A3 at the fence line boundary.

Area B: Area B was observed as having no features of note, and some minor localized instances of patchy pasture in grids F6 and G5.

Area C: Area C was observed as mostly lush pasture, with large portions of ponding some visible subduction and subsidence. Grid J5 was the only portion of Area C where patchy pasture was observed, at the extent. Significant ponding was observed at H4 and minor ponding at K5, both located between the extent of area C and the Wharekorino stream. Ponding at both locations has been noted in previous years, and high stream flow is likely a large contributor. Localized subduction is observable at I5 at the extent of area near the fence line. Subsidence was noted at K6 at the north-eastern extent of area C.

Area D: Area D was mostly lush pasture, with very uneven topography including patches of subduction and some instances of protruding debris. Grid M6 contained a large amount of protruding debris including concrete blocks, scrap metal, piping and wooden posts at the boundary of Area D where the land slopes down toward the Wharekorino stream tributary. N6 had similarly exposed debris at the extent of Area D, near M6. Significant subsidence was observed at grid N7

Area E: Area E was primarily in good condition. The only feature of note was general sloping subduction of the land. Previous visits have noted ponding filling this subducted area, but none was observed during 2022.

Area F: No Features of note. Offal pits were located in this area but no visible features related to this.

Proactively Released



A1



A1

A1



A1



A1



A1 – Patchy pasture



A1 – Patchy pasture

Proactively Released



A2



A2



A2



A2





A3 – large cement block



A3



A3 – Subsidence/erosion



A3



B1



B1 – patchy pasture



B1 – wooden debris



B1 – cement blocks



B1 – cement block/piping debris



B1 – manhole



B1



B1



B2



B2



B2 – previous ponding



B2



B3 – Ceramic pipe protrusion



B3 – Ceramic pipe protrusion



B3



B3



B3



B3



B4



B4



B4 – loose brick debris



B4 – cement block protruding



B4



B4 – cement block protruding



B4



B4



C1



C1





C4



C4



C4



C4



C4



C5



C5



C5



C5



C6



C6



C6



C6



C7



C7



C7



C7



C7



C7 – mixed cement blocks



D4



D4



D4



D4



D4 – concrete block protruding



D5



D5



D5



D5



D5



D7



D7



D7





D7



D7 – ponding



E4 - subsidence



E4 – wooden post protruding



E4 – concrete protrusion



E4 – patchy pasture



E4

ely Released



E5



E5



E5



E5



E6



E6



E6



E6



E7 – patchy pasture



E7



E7



E7



F4



F4



F4



F4



F4



F5



F5



F5



F5



F6



F6



F6 – patchy pasture





F6



F6



F7



F7



F7



F7



G4



G5 – patchy pasture



G5



G5



G5



G6



G6



G6



G6



G7



G7



G7



G7



G7



H4 – ponding extent



H4



H4 – Ponding at fence boundary



H4



H4



H5

Proactively Released



H5



H6



H6



H6





H6 – debris protruding



H6 – debris protruding



H7



H7



H7



H7 – debris protruding



H7



14



14



14



14



15



15 – erosion/subduction



15



15



15



17



17 – minor ponding



17



17



J4



J4



J4



J4



J5



J5



J5 – patchy pasture



J5



J6



J6



J6



J6





J7



J7



J7



J7



J8 - erosion



J8



J8



J8



J8



K4



K4



K4 - ponding



K4 - ponding



K5



K5



K5 - ponding



K5



K5



K6



K6



K6 – minor subsidence



K7



K7



K8



K8



L5



L5 – concrete/ceramic protrusion



L5



L5 – concrete protrusion



L6



L6



L7





L7



L7



L7



L7



L8



L8



L8



M6 – concrete block, scrap metal, metal piping debris



M6 – concrete debris



M6



M6



M7



M8



M9



M9 – patchy pasture



M9



N6 – metal pipe protruding



N6 – brick protruding



N6



N6



N7



N7 – patchy pasture



N7



N7 - subsidence



05



08 – stump protruding



08



09



09



09



P7, P8, P9



P7, P8, P9