



MANGAKOTUKUTUKU STREAM CARE GROUP

14 September 2014

Department of Conservation
Private Bag 3072
Hamilton 3240

Attn: Jan Simmons

Dear Jan

Waikato Community Conservation Fund – Progress Report

Project Site - Mangakotukutuku Stream Restoration Project, Collins Road, Hamilton

In March 2014 the Mangakotukutuku Stream Care Group (MSCG) received a grant of \$2000 from the Waikato Community Conservation Fund towards the cost of this project.

The implementation stage of this project has recently been completed and in accordance with the funding requirements, this progress report is provided for your information.

Background

In 2012/2013 the Mangakotukutuku Puna Koiora Trust (MPKT) received a Waikato River Authority grant (WRA 11-043) to undertake the restoration of approximately 200m of stream margin which borders the southern boundary of land managed by that Trust (refer to Location Map and Site Plan attached).

At that time the site was dominated by very large Tasmanian Blackwood trees and an assortment of weeds including Tradescantia, Privet and Woolly Nightshade.

Removal of the Tasmanian Blackwood was completed and initial weed spraying undertaken in 2012/13. However at that point the project stalled and rapidly reverted to weeds (refer to photo's 1 and attached).

In late 2013 the MSCG entered into an agreement with the MPKT to manage the project through to the fully planted stage, subject to funding being available.

Implementation

Intensive weed control (spraying) was undertaken by the Waikato Regional Council and MSCG in the 12 months prior to planting resulting in almost 100% control of visible weed species (refer to photo's 3 and 4).

Site specific advice regarding the supply of suitable eco-sourced species was obtained from Wayne Bennett of Forest Flora and quotes obtained (copy attached).

Pre-plant grass spraying was undertaken and 3000 plants from Forest Flora were planted during the 2014 winter months by the Department of Corrections, MSCG and a WRC team building day out.

Grass seed was also sown on bare exposed stream bank areas unable to be mulched to try as suppress future weed germination.

Onsite mulch (from chipping of the Tasmanian Blackwoods) and a further 60m³ donated by Treescape was spread by a Department of Corrections gang, completed 12 September 2014 (refer to photos 6 to 8)

A summary of the costs involved during the involvement of the MSCG are as follows;

Site - Mangakotukutuku Stream , cnr of Ohaupo and Collins Roads									
Organisation	Item	Cash	In Kind						
Waikato River Authority Funding	native plant costs	\$10,000							
Department of Conservation	native plant costs	\$2,000							
Treescape	60m ³ mulch		\$1,200						
Wakato Regional Council	spraying of woody weeds		\$2,000						
	planting		\$600						
Department of Corrections	planting		\$1,125						
	spreading mulch		\$2,700						
Mangakotukutuku Stream Care Group									
	transport of mulch	\$700							
	project management, weed spraying, planting		\$630						
	sub-totals	\$12,700	\$8,255						
	Total Value of Project	\$20,955							

*All 'in kind' labour has been valued at \$15/hr

Summary

This site has had very significant woody and other weed issues requiring 12 months of pre-planting weed control. In addition, the flat upper portion is comprised of poor quality compacted soils which is expected to impact on plant survival and growth in some areas. A particularly hard frost has also impacted frost sensitive species in some locations.

Notwithstanding these issues, it is considered that the site is currently looking very good and with excellent growing conditions going into the spring period.

Ongoing weed control will be critical for the successful establishment of these plantings. Follow up blanking will be required in 2015 to replace any failed plantings and ongoing maintenance in the next 3-5 years will be vital to ensure that weeds are kept in check and that the indigenous vegetation establishes to the point that minimal maintenance is required.

This project has been has had input/contribution from 7 separate organisations and benefited hugely from advice obtained from the WRC (regarding weed control) and Forest Flora in respects of appropriate species). It has also be great to see positive flow on effects with adjacent landowners undertaking increased weed control and riparian planting as a result of this project.

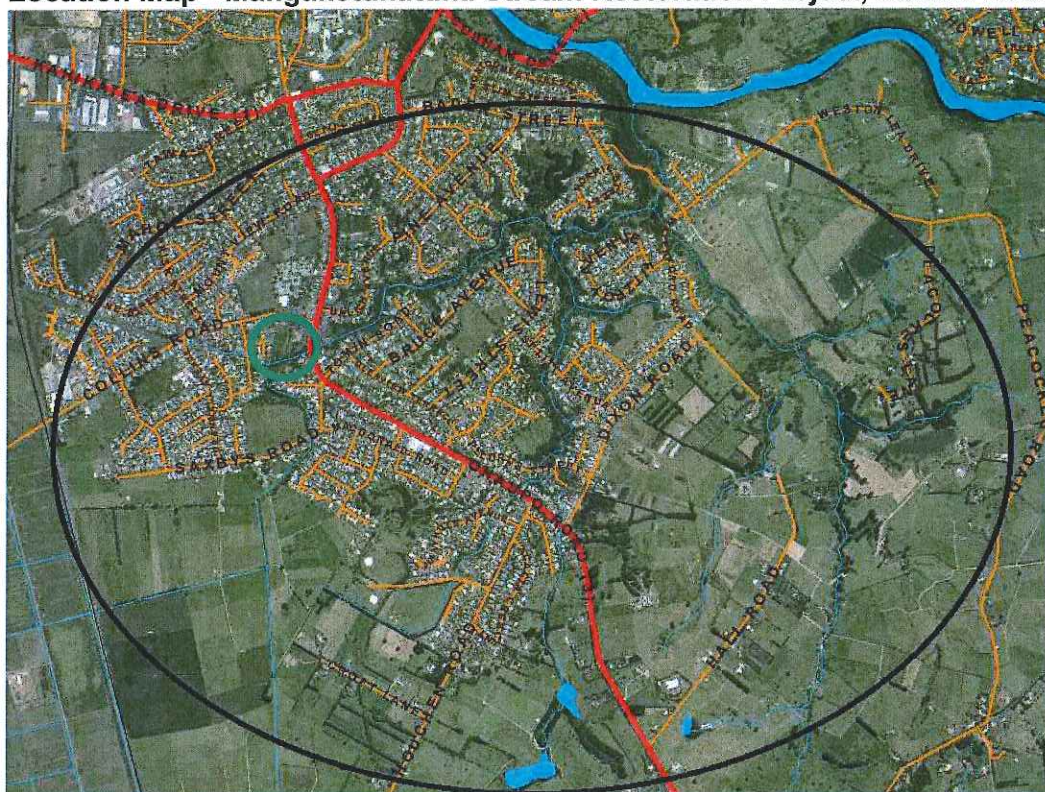
The input of the Department of Conservation was important in that it allowed for the planting of more plants and a better range of species than would otherwise have been the case. Thank you for supporting this project and we would be more than happy to provide any further information required.

Yours faithfully



Grant Blackie
Chairperson
Mangakotukutuku Stream Care Group Incorporated
P.O Box 19104
Hamilton 3244
021 2772798
mangacare@gmail.com
<http://www.streamcare.org.nz/>

Location Map - Mangakotukutuku Stream Restoration Project, Collins Road



Site Plan



Site Photographs



1. July 2013 – Significant weed issues



2. July 2013 — Significant weed issues



3. April 2014 – Part way through weed control



4. April 2014 – Part way through weed control



5. Aug 2014 – Post planting



6. Sept 2014 – Completed planting/mulching



7. Sept 2014 – Completed planting/mulching



8. Sept 2014 – Completed planting/mulching



Forest Flora
63 Hakarimata Rd
RD1
Ngaruawahia

Quote

07 8247167

julia@forestflora.co.nz

GST Reg. Number: 46977122

Bill To:

Mangakotukutuku Stream Care Group
C/. Grant Blackie

Ship To:

Plants delivered to Collins Road site

SALESPERSON		P/O Number	SHIP VIA	COL	PPD	SHIP DATE	TERMS	DATE	PG.
							0% 20th Net 20th	01/07/2013	1
QTY.	ITEM NO.	DESCRIPTION		PRICE		UNIT	DISC %	EXTENDED	GST
425	Karamu- 3	karamu		\$3.00				\$1,275.00	N
200	Cabbage tree-3	cabbage tree		\$3.30				\$660.00	N
200	Mahoe	Mahoe		\$3.30				\$660.00	N
100	Mapou	mapou		\$3.50				\$350.00	N
65	Ribbonwood	Ribbonwood		\$3.30				\$214.50	N
60	Coprosma	Coprosma rhamnoides		\$3.30				\$198.00	N
50	Carex	carex dissita		\$3.30				\$165.00	N
40	Kowhai-3	Kowhai		\$4.00				\$160.00	N
45	hebe stricta	Hebe stricta		\$3.30				\$148.50	N
40	Kanuka	Kanuka		\$3.30				\$132.00	N
40	Lacebark	Lacebark		\$3.30				\$132.00	N
25	Streblus	Streblus heterophyllus		\$4.00				\$100.00	N
25	Schfflera	Patete		\$4.00				\$100.00	N
25	kaikomako	Kaikomako		\$3.30				\$82.50	N
25	Fuchsia	Fuchsia excorticata		\$3.30				\$82.50	N
25	Coprosma	Coprosma rotundifolia		\$3.30				\$82.50	N
25	Coprosma	Coprosma propinqua x		\$3.30				\$82.50	N
25	Kanono-3	Kanono		\$3.30				\$82.50	N
5	kamahi-8	Kamahi PB8		\$10.00				\$50.00	N
5	Nikau-8	Nikau		\$8.00				\$40.00	N
5	Lancewood-8	Lancewood		\$8.00				\$40.00	N
10	Pigeonwood	Pigeonwood		\$4.00				\$40.00	N
5	Tanekaha-8	Tanekaha		\$8.00				\$40.00	N
5	Mingimingi	Mingimingi		\$4.00				\$20.00	N
COMMENT		CODE	RATE	GST	SALE AMT.	SALE AMT.		\$4,937.50	
Upper Stream Bank Plants		N	15%	\$740.63	\$4,937.50	FREIGHT		\$0.00	N
						GST		\$740.63	
						TOTAL AMT.		\$5,678.13	
						PAID TODAY		\$0.00	
Number of Items						BALANCE DUE		\$5,678.13	
1,475									

Please make cheques payable to WL and SM Bennett. For Direct Credit payments use account 02 0376 0074382 00. Please confirm payment by post or email. Thank you for your business.



Forest Flora
63 Hakarimata Rd
RD1
Ngaruawahia

Quote

07 8247167

julia@forestflora.co.nz

GST Reg. Number: 46977122

Bill To:

Mangakotukutuku Stream Care Group
C/. Grant Blackie

Ship To:

Mangakotukutuku Stream Care Group
C/. Grant Blackie

SALESPERSON		P/O Number	SHIP VIA	COL	PPD	SHIP DATE	TERMS		DATE	PG.
							0% 20th Net 20th		05/07/2013	1
QTY.	ITEM NO.	DESCRIPTION			PRICE		UNIT	DISC %	EXTENDED	GST
3	Pokaka-3	Pokaka			\$5.00				\$15.00	N
3	Kohekohe-3	Kohekohe PB3			\$4.00				\$12.00	N
10	spe	Fuchsia perscandens			\$3.30				\$33.00	N
10	spe	parataniwha			\$4.00				\$40.00	N
5	Nikau-8	Nikau			\$8.00				\$40.00	N
10	Mingimingi	Mingimingi			\$4.00				\$40.00	N
20	kaikomako	Kaikomako			\$3.30				\$66.00	N
25	Putaputaweta-3	Putaputaweta			\$3.30				\$82.50	N
25	Coprosma	Coprosma lucida			\$3.30				\$82.50	N
25	Cordyline banksii	Bush cabbage tree			\$3.30				\$82.50	N
25	Fuchsia	Fuchsia excorticata			\$3.30				\$82.50	N
25	hebe stricta	Hebe stricta			\$3.30				\$82.50	N
25	Kawakawa	Kawakawa			\$3.30				\$82.50	N
25	melicytus	Melicytus micranthus			\$3.30				\$82.50	N
29	Streblus	Streblus heterophyllus			\$4.00				\$116.00	N
40	Coprosma	Coprosma rigida			\$3.30				\$132.00	N
40	Ribbonwood	Ribbonwood			\$3.30				\$132.00	N
40	Schfflera	Patete			\$3.30				\$132.00	N
50	Kanono-3	Kanono			\$3.30				\$165.00	N
50	Coprosma	Coprosma rotundifolia			\$3.30				\$165.00	N
50	Lacebark	Lacebark			\$3.30				\$165.00	N
75	Mapou	mapou			\$3.50				\$262.50	N
40	Kowhai-8	Kowhai			\$8.00				\$320.00	N
100	Coprosma	Coprosma propinqua x			\$3.30				\$330.00	N
200	Cabbage tree-3	cabbage tree			\$3.30				\$660.00	N
200	Mahoe	Mahoe			\$3.30				\$660.00	N
400	Karamu- 3	karamu			\$3.00				\$1,200.00	N
COMMENT		CODE	RATE	GST	SALE AMT.		SALE AMT. FREIGHT		\$5,263.00 \$0.00	N
Lower Stream bank		N	15%	\$789.45	\$5,263.00		GST		\$789.45	
							TOTAL AMT.		\$6,052.45	
							PAID TODAY		\$0.00	
Number of Items							BALANCE DUE		\$6,052.45	
1,550										

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