

Mangakotukutuku Stream Tributary Inspection - 29 July 2012

Fitzroy Park

Grant Blackie

Approximate inspection area



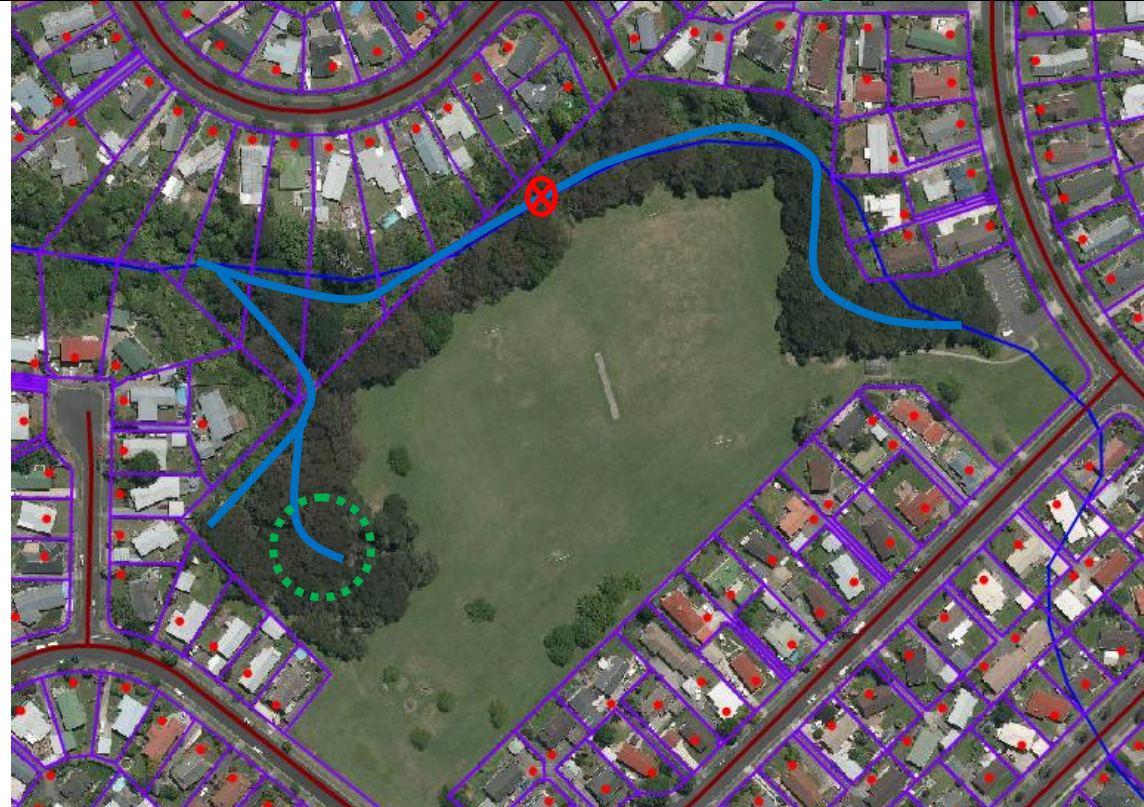
Inspection Reach



Potential wetland area



Culvert



Inspection Comments

I walked over the stream reach from near the car park heading downstream (ie east to west) and then south up smaller tributary gullies to the 'potential wetland' area.

Photos¹ numbered 1-16 are attached with comments as follows;

The main channel (photos 1-12) has mainly very sandy banks/soft bed and is severely eroding over much of the reach observed.


There is very little groundcover or bank vegetation present capable of preventing the current bank/bed erosion.

Typically there is a high canopy of semi-mature exotic trees dominant (eg Tasmanian blackwood and eucalypt species) creating low light levels and partially responsible for the lack of groundcover or stream bank vegetation present.

The flow in the stream was surprising clear given recent rain and the level of erosion evident.

Very low levels of litter or other rubbish were observed.

Photo 4 is of an area of headward bed erosion where there is a 1m (approx) drop in the bed as it erodes upstream.

The culvert at point  (photo's 8 & 9) has a partially blocked inlet and a scour hole/perched outlet.

As the bed erodes and stream banks become higher what little edge vegetation there is (ie some pongas) has recently toppled into the stream (photo's 11, 12).

One area (photo's 13 -16) appeared ideal for the attenuation runoff/planting of wetland vegetation species but would require opening up to let sufficient light in.

¹ All original photos stored in Waikato Regional Council system G:\GrantB\Mangakotukutuku 29Jul2012



1. Eroding sandy banks



2. Eroding sandy banks



3. Down cutting into a 'slot'



4. 1m drop – headward channel erosion



5. Eroding sandy banks



6. Eroding sandy banks



7. Eroding sandy banks



8. Partially blocked culvert inlet

	
9. 500mm pipe outlet drop/scour hole	10. Down cutting in clay
	
11. Back erosion toppling pungas	12. Back erosion toppling pungas
	
13. Potential Wetland Area	14. Potential Wetland Area
	
15. Potential Wetland Area	16. Potential Wetland Area