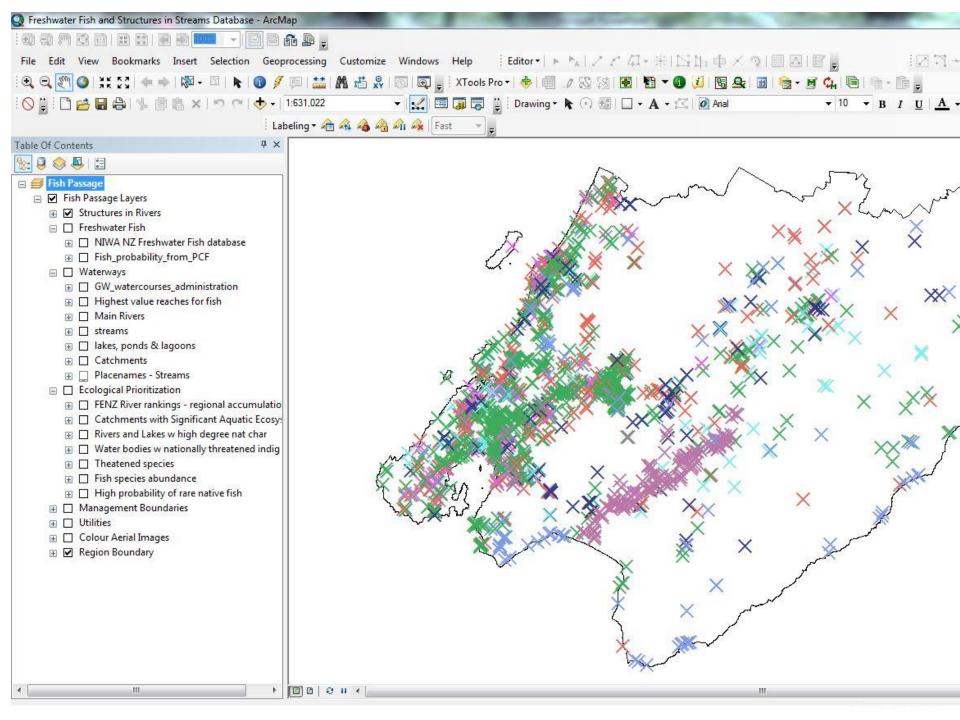
Development of the Wellington Regional Council Fish Passage Programme











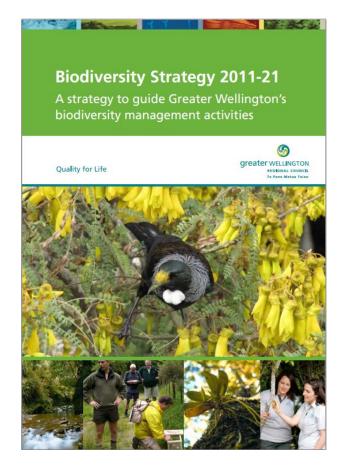
A strategy for providing passage for native freshwater fish in the Wellington Region.

Prepared for Greater Wellington by: Hadyn Butler Flatfish Environmental flatfishenvironmental@gmail.com

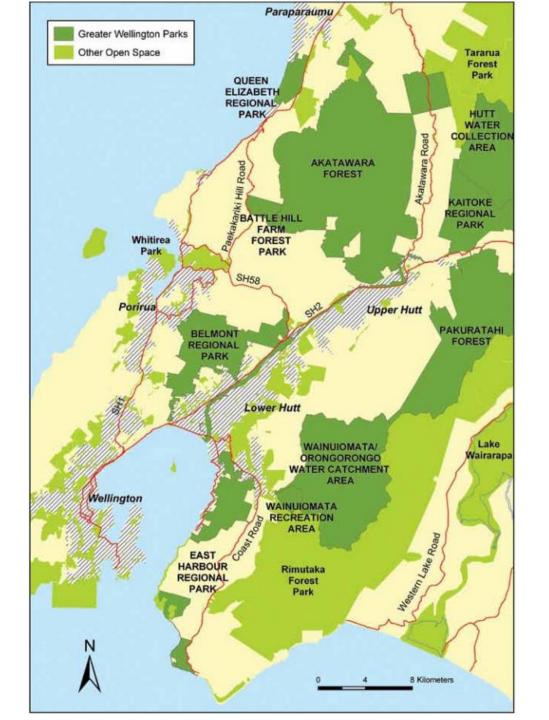
+ Table 1: Catchments selected for assessment

Rivers managed by Greater Wellington	Territorial Authority	FENZ (Ranking)	SIE (score /4)	RSA (Rank)	Number of High Value Tributaries	KNOWN STRUCTURES
Waikanae River	Kapiti	10	4	9	2	Yes
Otaki River	Kapiti	10	4	9	1	Yes
Wainuiomata River	Hutt City	5	4	10		Yes
Korokoro Stream	Hutt City	3	2	8		Yes
Waitohu Stream	Kapiti	10	3	3 00		Yes
Ruamahanga River	Wairarapa	4	3	7	2	Yes
Waimeha Stream	Kapiti	9	3	275	1.1	Yes
Orongorongo River	Hutt City	10	3		18	Yes
Makara Stream	Wellington	8	3	S 7,8		Yes
Mangaone Stream	Kapiti	8	3			No
Hutt River	Hutt City	7	3	s 82	4	Yes
Gollans Stream	Hutt City	10	2	. 07		Yes
Pauatahanui Stream	Porirua	6	3			No
Porirua Stream	Porirua	1	3	7		Yes
Taupo Stream	Porirua	5	3	33		No
Horokiri Stream	Porirua	2	3	- 10		Yes
Tauherenikau River	South Wairarapa	5	š)	100		Yes
Abbots Creek	South Wairarapa	2	8 .	5 90		Yes
Rangiuru Stream	Kapiti	2	8 3	5 88		Yes
Whareroa Stream	Kapiti	5	2	8		Yes

Biodiversity Strategy









Recorder <u>Auril</u> & g			A
Park Name: 3,416.		Waypoint ref: 342 Easting: 77638	
Days since significant rai		Northing: <u>54.53</u>	DEGLAMAT CAUNC
	W 🗆 Unknown		
Barrier Type:	W □ ORKIOWII		☐ Fish Pass
☑ Culvert			
□ Dam	☐ Bridge	•	☐ Erosion Control
☐ Floodgate	☐ Weir		☐ Footbridge
□ Ford	☐ Disturi	bance	☐ Other
Construction Mate	☐ Divers	sion	
□ Boulders	enal: □ Plastic Pipe	□ Earth	Commented in a
			☐ Corrugated Iron
☑ Concrete	□ Wood	□ Steel	☐ Other
Reason for not being a b	sessment. GWRC	Regional Parks	blk symbiant helder yas
	sessment. GWRC	Regional Parks	The Special Property of the Special Sp
Fish Passage Ass	sessment. GWRC	ii pudned , li Regional Parks	s FIELD SHEET 1
Fish Passage Ass Recorder <u>king a Marticle</u> Park Name: <u>RATTLE</u>	sessment. GWRC	Regional Parks 66 /2013 Waypoint ref: 80	FIELD SHEET 1
Fish Passage Ass	sessment. GWRC	ii pudned , li Regional Parks	FIELD SHEET 1 Grant 2 greater Wellington Regional counce
Fish Passage As: Recorder LAM & 16 Park Name: MATTLE Photo refs: 6 - 7 Days since significant rail	sessment. GWRC	Regional Parks 66 /2013 Waypoint ref: 36 Easting: 776 4/6 Northing: 54 x 3	FIELD SHEET 1 STATE 2 Greater WELLINGTO REGIONAL COUNC 10 791
Fish Passage As: Recorder Land & 160 Park Name: MATTLE Photo refs: 6 - 7 Days since significant rail Owner: GI Barrier Type:	sessment. GWRC	Regional Parks 66 /2013 Waypoint ref: 36 Easting: 176 46 Northing: C473	FIELD SHEET 1 STATE 2 Greater WELLINGTO REGIONAL COUNC 10 791
Reason for not being a bear and the second of the second o	Sessment. GWRC Date 09 / MILL D.:	Regional Parks 66 /2013 Waypoint ref: 8e Easting: /76 4/73 Other (pleautlet	greaterwellingto
Fish Passage As: Recorder Land & 160 Park Name: MATTLE Photo refs: 6 - 7 Days since significant rail Owner: GI Barrier Type:	Seessment. GWRC	Regional Parks 66 /2013 Waypoint ref: 8e Easting: /76 4/73 Other (pleautlet	greater WELLINGTO ## Grown COUNC ## Grown CO
Reason for not being a bear and the second of the second o	Sessment. GWRC Sessme	Regional Parks 6 /2013 Waypoint ref: 2e Easting: /76 4/6 Northing: 5/473 Other (pless utilet	greater WELINGTO greater WELINGTO FISH Pass Fish Pass Footbridge
Reason for not being a bear and the secondar Land 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sessment. GWRC Sessment. GWRC	Regional Parks 66 /2013 Waypoint ref: 36 Easting:	greater WELINGTO greater WELINGTO ### ### ############################
Fish Passage Ass Recorder kind Fark Name: N.177LE Photo refs: 6 - 7 Days since significant rail Owner: G Barrier Type: Culvert Dam Floodgate	Sessment. GWRC Sessme	Regional Parks 66 /2013 Waypoint ref: 36 Easting:	greater WELINGTO greater WELINGTO FISH Pass Fish Pass Footbridge
Reason for not being a bit is a bit in the first passage Asserted to the first park Name: \(\frac{\kappa_{\text{A}} \text{A}}{\kappa_{\text{A}} \text{A}} \) \(\frac{\kappa_{\text{A}} \text{A}}{\kappa_{\text{A}} \text{A}} \) \(\frac{\kappa_{\text{A}} \text{A}}{\text{A}} \) \(\kappa_{\te	Sessment. GWRC Sessme	Regional Parks 66 /2013 Waypoint ref: 36 Easting:	greater WELINGTO greater WELINGTO FISH Pass Fish Pass Footbridge
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Reason for not being a	Seessment. GWRC Seessment. G	Regional Parks 66 /2013 Waypoint ref: 3e Easting: /76 // 176 Northing: **C+73* Other (pleautiet bance ion Earth Steel	greater WELINGTO greater WELINGTO REGIONAL COUNC TO PAIN MARS TOO ase specifiy) Fish Pass Frosion Control Footbridge Other for exclusion Was c
Reason for not being a bit of the property of	Sessment. GWRC Sessme	Regional Parks 66 /2013 Waypoint ref: 86 Easting: //6 /4 / 3 Other (pleautiet bance ion Earth Steel tructure present):	greater WELINGTO greater WELINGTO REGIONAL COUNC TO PAIN MARS TOO ase specifiy) Fish Pass Frosion Control Footbridge Other for exclusion Was c

Belmont Regional Park: Structure 17

REFERENCE	Can9	
x_prei		
X_Proj		
LOCATION	Belmont Regional Park	
TYPE	Culvert	
OWNER	GWRC	
DISTRICT	Porirua	
STREAM		
CATCHMENT		
SOURCE	Fish passage survey	
FORM	2	
ASSESSMENT DATE	23/05/2013	
CONSTRUCTION MATERIAL	Concrete	
BARRIER CATERGORY	All Flows	
COMMENTS	Perched culverts.	



Structure 9: Culvert inlet looking downstream







Structure 9: Culvert outlet looking upstream



Draft Regional Plan

Method M15 states that GWRC will:

 Provide support and guidance on methods and locations for restoring fish passage.



Fish Passage Programme

- Develop and maintain fish passage resources
- 2. Provide training and up-skilling opportunities
- 3. Restore fish passage in priority areas



Where to from here

- Further develop FP Programme
- Continue Parks assessments
- Develop a (NatureWatch like) FP assessment app



Thank you



