

A priority framework for monitoring Bay of Plenty wetlands



Landcare Research
Manaaki Whenua

A priority framework for monitoring Bay of Plenty wetlands

Neil Fitzgerald, Bev Clarkson, Robbie Price

Landcare Research

Prepared for:

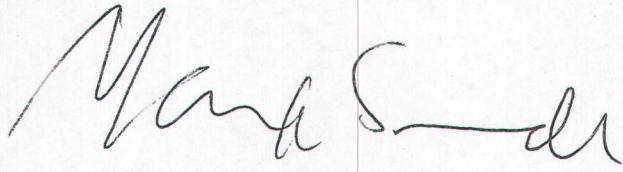
Bay of Plenty Regional Council

5 Quay St
PO Box 364
Whakatane 3158
New Zealand

May 2013

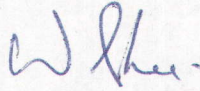
*Landcare Research, Gate 10 Silverdale Road, University of Waikato Campus, Private Bag
3127, Hamilton 3240, New Zealand, Ph +64 7 859 3700, Fax +64 7 859 3701,
www.landcareresearch.co.nz*

Reviewed by:



Mark Smale
Scientist
Landcare Research

Approved for release by:



Bill Lee
Portfolio Leader
Managing Biodiversity

Landcare Research Contract Report:

LC 1334

Disclaimer

This report has been prepared by Landcare Research for Bay of Plenty Regional Council. If used by other parties, no warranty or representation is given as to its accuracy and no liability is accepted for loss or damage arising directly or indirectly from reliance on the information in it.



ISO 14001

© Landcare Research New Zealand Ltd 2013

No part of this work covered by copyright may be reproduced or copied in any form or by any means (graphic, electronic, digital or mechanical, including photocopying, recording, taping, information retrieval systems, or otherwise), in whole or in part, without the written permission of Landcare Research or Bay of Plenty Regional Council.

Contents

Summary	v
1 Introduction.....	1
2 Background.....	1
3 Objectives.....	2
4 Methods	2
4.1 Historic wetland mapping.....	2
4.2 Current wetland mapping.....	2
4.3 Wetland ecological assessment.....	3
4.4 Selection criteria for a representative set of wetlands for monitoring.....	3
5 Results	3
5.1 Wetland ecological assessment.....	8
5.2 Selection of a representative set of wetlands for monitoring	9
5.3 Draft list of wetlands for monitoring.....	9
6 Conclusions.....	12
7 Recommendations	12
8 Acknowledgements.....	12
9 References.....	13
Appendix 1 – Significance of ecological values of wetlands in the Bay of Plenty Region	15
Appendix 2 – Wetland significance by Ecological District	22
Appendix 3 – Wetland vegetation types	26
Appendix 4 – Wetlands still requiring significance rankings	46
Appendix 5 – Wetlands prioritised for monitoring.....	69
Appendix 6 – Summary statistics for priority wetland set	79

Summary

Project and Client

- Bay of Plenty Regional Council contracted Landcare Research to map and classify extant and historic wetlands in the Bay of Plenty Region, assess their ecological values and significance, and develop a sampling framework to monitor wetlands remaining in the region.

Objectives

- Map and classify extant and historical wetlands in the Bay of Plenty region by structure and dominant species composition.
- Assess their ecological values and significance using Bay of Plenty Regional Policy Statement criteria.
- Develop a framework for assessing regional wetland priorities for monitoring based on representativeness of present-day wetlands compared with historical baselines, regional distribution, ecological significance, and range of vegetation types.
- Provide a working set and timeline for priority wetlands to be monitored.

Methods

- Historic (circa 1840) wetland mapping was based on the Wetlands of National Importance (WONI) predicted extent of New Zealand wetlands.
- Mapping of current wetlands was based on GIS data provided by Bay of Plenty Regional Council, primarily 'WetlandVegetationType', with some additional wetlands from the 'WetlandExtents' layer that were not found in the primary layer.
- Extant wetlands were assigned ecological assessment values (as per BOP Regional Policy Statement) from the Bay of Plenty Regional Council's Wetland Ecologies Database.
- A representative set of wetlands of priority for monitoring was selected by assessing the following criteria: rarity, current extent, distribution, Ecological District, ecological significance ranking, and adjacent land uses.

Results

- The total area of mapped historic wetlands (circa 1840) was 48 087 ha, and the total area of extant wetlands mapped was 3811 ha, less than 8% of the historic extent.
- Ecological assessment data were available for 139 of the 525 extant wetlands (1804 ha). Insufficient data were available to rank 399 (2043 ha) of these extant wetlands or part wetlands; however, 184 of these unranked wetlands (45%) were less than 1 ha and typically highly modified remnants. Twenty-one (5%) of the unranked wetlands are greater than 20 ha and should be assessed for ecological values. Of the unranked

wetlands, 5 are likely to to have significant ecological values (including 4 greater than 30 ha) and have therefore been included in the monitoring set.

- A draft set of 79 wetlands was selected to prioritise for monitoring, together with a timeline to establish a monitoring programme over 5 years.

Conclusions

- A provisional set of 79 priority wetlands covering the range of wetland classes, vegetation types, and regional distribution in the Bay of Plenty Region, together with a suggested timeline, is provided for monitoring the state and condition of representative wetlands.

Recommendations

- Wetlands not assigned ecological significance scores should be assessed in case they significant and therefore should be included in the provisional set of wetlands prioritised for monitoring.
- Modification of Bay of Plenty Regional Council's Wetland Ecologies Database to provide the ability to create custom reports to extract both qualitative and quantitative information, improving the utility of this valuable database.
- Species names and vegetation type names in the WetlandVegetationType spatial dataset should be standardised according to Allan Herbarium and Clarkson et al. (2004) to enable more accurate summaries of detailed vegetation types to be tabulated.

1 Introduction

The extent and condition of wetlands in New Zealand have declined significantly since the arrival of humans. More than 90% of our wetlands have been destroyed and many continue to degrade because of reduced water, additional nutrients, and/or impacts from many invasive species. Monitoring is important for detecting negative changes in biodiversity and ecosystem properties so early and effective remedial action can be taken. Regional Councils have responsibilities to maintain indigenous biodiversity under the Resource Management Act 1991, and to monitor the state of the environment, which includes monitoring the state of wetlands. This project aims to assist Bay of Plenty Regional Council (Environment Bay of Plenty) with meeting these requirements.

2 Background

Bay of Plenty Regional Council contracted Landcare Research to develop and implement a system for monitoring the ecological state and trend of a representative set of Bay of Plenty wetlands. The purpose of the monitoring is for various reporting requirements, including the Natural Environment Regional Monitoring Network (NERMN), which can be used to assess the efficiency and effectiveness of regional policies and plans.

There are four main parts to the project:

- A. Framework for assessment of the priorities for wetland monitoring based on historic vs extant wetland type and geographic spread (e.g. Ecological District), and ecological values/ecological integrity. This will yield a representative set of priority wetlands for monitoring and timelines on a 5-year rotation with annual progress reports.
- B. Development and trialling of a sampling approach and monitoring system in a range of wetland classes and vegetation types. Provision of detailed guidelines for establishing vegetation plots, replication, plot size, and overall condition assessment incorporating standard procedures and any subsequent refinements.
- C. Implementing the wetland monitoring system over a 5-year period.
- D. Data analysis to establish baselines for monitoring wetland extent and condition.

This report covers Part A of the above.

3 Objectives

- Map and classify extant and historical wetlands in the Bay of Plenty region by structure and dominant species composition.
- Assess their ecological values and significance using Bay of Plenty Regional Policy Statement criteria.
- Develop a framework for assessing regional wetland priorities for monitoring based on representativeness of present day wetlands compared with historical baselines, regional distribution, ecological significance, and range of vegetation types.
- Provide a working set and timeline for priority wetlands to be monitored.

4 Methods

Wetland mapping was done with ArcMap 10 using the New Zealand Transverse Mercator projection and NZ Geodetic Datum 2000. The area of interest was Bay of Plenty Region.

A representative set of priority wetlands was selected by assessing each extant wetland on the following criteria: rarity, current extent, distribution, Ecological District, ecological significance ranking, and adjacent land uses.

4.1 Historic wetland mapping

Historic (circa 1840) wetland mapping was based on the Wetlands of National Importance (WONI) predicted extent of New Zealand wetlands (Ausseil et al. 2008). WONI was derived by modelling topographical and soil attributes to estimate the probability that a given area falls within a particular wetland class. The WONI data were clipped to the Bay of Plenty Region and all resulting polygons were manually evaluated against available current data, including topography, aerial photos (RDAM 2010), and likely current wetland class. Polygons were modified or excluded from analysis only where there was clear evidence from aerial photos or other sources that the WONI data was grossly incorrect.

4.2 Current wetland mapping

Mapping of current wetlands was based on GIS data provided by Bay of Plenty Regional Council, primarily 'WetlandVegetationType', with some additional wetlands from the 'WetlandExtents' layer when not found in the primary layer. Each polygon in these data was evaluated primarily against recent aerial imagery (RDAM 2010) supplied by Bay of Plenty Regional Council. Identified areas were classified by wetland class, vegetation structure (Johnson & Gerbeaux 2004; Atkinson 1985), and dominant species composition. Five major freshwater wetland classes were recognised: bog, fen, swamp, marsh, and shallow water. Ephemeral wetlands were included in the marsh class, and other minor classes, e.g. pakihi and seepage, were assigned to the five main types according to water and nutrient regimes and substrate characteristics (Johnson & Gerbeaux 2004). Other data sources, including Protected Natural Area reports and individual wetland surveys, were used to help define and classify wetland areas where available using the Johnson and Gerbeaux typology.

4.3 Wetland ecological assessment

The ecological values and significance of all extant wetlands were assessed as Nationally, Regionally, or Locally Significant according to Bay of Plenty Regional Policy Statement heritage criteria (Bay of Plenty Regional Council 2008), using information, where available, from the Bay of Plenty Regional Council's Wetland Ecologies Database. Wetlands classed as Protected Natural Areas Category 1, or as having High importance for flora or wildlife in Department of Conservation reports, were taken as being of National Significance and prioritised for monitoring.

4.4 Selection criteria for a representative set of wetlands for monitoring

Selection of a representative set of priority wetlands used the following criteria:

- **Rarity.** This is based on the magnitude of the loss of a particular wetland class (compared with historic extent) relative to other wetland classes.
- **Current extent.**
- **Distribution.** Ecological Districts with the greatest wetland losses and/or largest extent of wetlands remaining are higher priorities for targetting wetlands for monitoring.
- **National ranking.** Nationally Significant wetlands are higher priority for monitoring than Regionally and Locally Significant wetlands.
- **Adjacent land uses.**

5 Results

The total area of historic wetlands (circa 1840) based on checked WONI predictions was 48 087 ha, represented by 686 individual polygons. The total identified area of extant wetlands was 3811 ha – less than 8% of the historic extent – represented by 525 wetlands and 1412 individual polygons. The area of Historic and extant wetlands classified to each Wetland Class is given in Table 1. The lower accuracy (e.g. broader scale, rules-based approach) of the historic data means smaller areas were more likely to be omitted, but these would contribute relatively little to the overall area and therefore not greatly affect the proportion of wetland loss. Shallow water was not classified in the historic WONI data as it was likely included within bog, fen, swamp or marsh.

Table 1 Wetland classes of historic (circa 1840) and extant wetlands of the Bay of Plenty Region

Wetland Class	Total area (ha)		Proportion of c. 1840 area remaining	Number of polygons	
	Historic	Extant		Historic	Extant
Bog	898	0	0%	7	0
Fen	3774	416	11%	44	33
Swamp	41071	3148	8%	511	1268
Marsh	2344	178	8%	124	61
Shallow water	–	69	–	0	50
Total	48087	3811	8%		

Twenty-one Structural Classes of extant wetlands were identified (Table 2). There was some uncertainty about the correct class for 162 polygons from the Wetland Vegetation Type data, and 196 polygons were flagged for deletion because they were not considered currently to be functional wetlands because of extensive modification. A few small extant wetlands are not included in the source data and therefore not included in the current analysis. However, this exclusion is not likely to change significantly the overall proportion of Wetland Classes remaining.

Table 2 Structural classes of extant wetlands of the Bay of Plenty Region. Question marks indicate where there was considerable uncertainty in assigning to a single Structural Class

Wetland Class	Structural Class	Total area (ha)	Number of polygons
Fen	?	319.8	5
	Exotic Treeland	0.1	1
	Grassland	1.5	6
	Open Water	0.2	2
	Reedland	10.0	3
	Rushland	2.6	1
	Scrub	10.4	5
	Sedgeland	0.2	1
	Shrubland	69.0	8
	Wirerushland	2.5	1
Swamp	?	1509.5	143
	Exotic Forest	190.9	50
	Exotic Grassland	30.1	40
	Exotic Herbfield	1.6	11
	Exotic Rushland	18.4	21
	Exotic Scrub	1.2	3

Wetland Class	Structural Class	Total area (ha)	Number of polygons
Marsh	Exotic Shrubland	10.8	4
	Exotic Treeland	249.9	84
	Exotic Vineland	3.2	4
	Flaxland	4.7	11
	Forest	183.4	35
	Grassland	0.8	3
	Open Water	219.4	79
	Reedland	293.6	546
	Rushland	22.0	17
	Scrub	61.4	42
	Sedgeland	60.8	84
	Shrubland	140.0	39
	Treerfernland	3.4	4
	Treeland	143.1	48
	?	153.7	14
	Exotic Grassland	2.0	8
	Exotic Herbfield	0.7	4
	Exotic Rushland	1.9	2
	Exotic Shrubland	1.8	1
	Exotic Vineland	0.1	1
	Flaxland	0.1	1
	Forest	1.3	1
	Grassland	4.4	1
	Open Water	7.2	22
	Rushland	1.2	2
	Scrub	1.5	1
Sedgeland	0.9	1	
Shrubland	1.0	1	
Treeland	0.4	1	
Shallow Water	Exotic Herbfield	0.1	1
	Open Water	65.4	35
	Reedland	4.0	14

The characteristic species for the different wetland classes are summarised in Table 3. These reflect the distinctive hydrological and nutrient regimes of the classes, e.g. nutrient levels decrease in the order marsh>swamp>fen>bog, and vegetation composition changes accordingly. The full list of vegetation types within Bay of Plenty wetlands is provided in Appendix 3.

Table 3 Characteristic species of the wetland classes. * denotes adventive

Wetland class	Characteristic species
Bog	<i>Sphagnum cristatum</i> , <i>Empodisma robustum</i> (minus), <i>Epacris pauciflora</i> , <i>Machaerina</i> (<i>Baumea</i>) <i>teretifolia</i>
Fen	<i>Gleichenia dicarpa</i> , <i>Machaerina</i> (<i>Baumea</i>) <i>teretifolia</i> , <i>Schoenus brevifolius</i> , <i>Leptospermum scoparium</i> , <i>Sphagnum cristatum</i> , <i>Coprosma tenuicaulis</i> , <i>Machaerina</i> (<i>Baumea</i>) <i>rubiginosa</i> , <i>Isachne globosa</i> , <i>Cordyline australis</i> , <i>Salix cinerea</i> *, <i>Phormium tenax</i> , <i>Empodisma robustum</i> (minus)
Swamp	<i>Carex secta</i> , <i>Carex virgata</i> , <i>Carex geminata</i> , <i>Phormium tenax</i> , <i>Coprosma propinqua</i> , <i>Dacrycarpus dacrydioides</i> , <i>Laurelia novae-zelandiae</i> , <i>Syzygium maire</i> , <i>Gahnia xanthocarpa</i> , <i>Cordyline australis</i> , <i>Blechnum novae-zelandiae</i> , <i>Typha orientalis</i> , <i>Eleocharis sphacelata</i> , <i>Machaerina</i> (<i>Baumea</i>) <i>articulata</i> , <i>Schoenoplectus tabernaemontani</i> , <i>Salix fragilis</i> *, <i>Rubus fruticosus</i> *, <i>Alnus glutinosa</i> *, <i>Salix cinerea</i> *, <i>Glyceria maxima</i> *, other introduced grasses and herbs
Marsh	<i>Juncus edgariae</i> (<i>gregiflorus</i>), <i>Cortaderia fulvida</i> , <i>Carex virgata</i> , <i>Juncus articulatus</i> *, <i>Juncus effusus</i> *, <i>Paspalum distichum</i> *, <i>Ranunculus flammula</i> *, <i>Glyceria maxima</i> *, <i>Rubus fruticosus</i> *, <i>Salix fragilis</i> *, <i>Salix cinerea</i> *, <i>Holcus lanatus</i> *, other introduced grasses, herbs, rushes and sedges
Shallow Water	<i>Lemna minor</i> , <i>Azolla rubra</i> (<i>filiculoides</i>), <i>Bolboschoenus fluviatilis</i> , <i>Schoenoplectus tabernaemontani</i> , <i>Typha orientalis</i> , <i>Eleocharis sphacelata</i> , <i>Machaerina</i> (<i>Baumea</i>) <i>articulata</i>

Extant and historic wetlands were assigned to Ecological Districts (Figure 1 and Table 4). The degree of wetland loss varied across districts, with the greatest loss in Motu (2.1% remaining), Opotiki (2.4%) and Taneatua (2.7%). There was an increase in the calculated extent of wetlands in the Whirinaki Ecological District (28.8%; 17.8 ha); however, this is likely to be a reflection of the small area of wetlands in the district and inaccuracies in the predicted historic wetland extent.

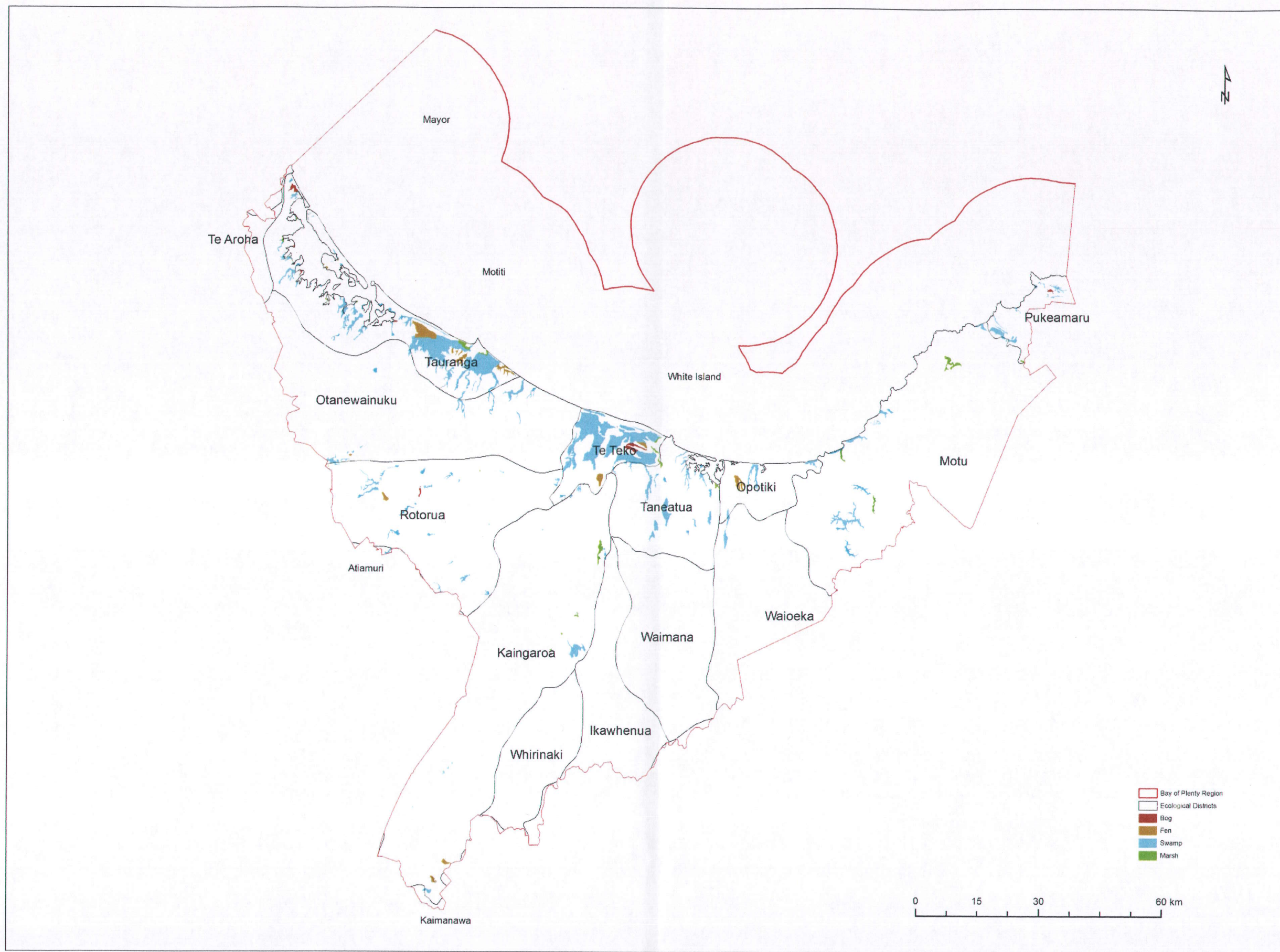


Figure 1 Historic wetlands (circa 1840) of the Bay of Plenty Region Ecological Districts.

Table 4 Historic (circa 1840) and current area of wetlands in Ecological Districts of the Bay of Plenty Region

Ecological District	Total wetland area (ha)		Proportion of historic wetland remaining (%)
	Historic	Extant	
Atiamuri	437.3	38.0	8.7
Ikawhenua	17.7	1.6	9.0
Kaimanawa	28.7	9.5	33.1
Kaingaroa	2046.3	877.5	42.9
Mayor	0	7.8	100
Motiti	0	7.4	100
Motu	3488.1	72.0	2.1
Opotiki	1352.7	32.9	2.4
Otanewainuku	2000.2	331.7	16.6
Pukeamaru	1447.5	124.4	8.6
Rotorua	2606.5	758.8	29.1
Taneatua	3547.8	97.3	2.7
Tauranga	16783.8	869.1	5.2
Te Aroha	0	0	-
Te Teko	13841.0	474.7	3.4
Waimana	1.3	0.5	38.5
Waioeka	410.1	16.8	4.1
Whirinaki	61.9	79.7	128.8
White Island	0	0.4	100

5.1 Wetland ecological assessment

Ecological values and significance data was available for 139 of the extant wetlands, totalling 1804 ha (Appendix 1). An additional 2043 ha was not assigned significance ranking due to insufficient available information (Appendix 4). Of the 399 non-assigned wetlands and part wetlands, 184 (46%) were less than 1 ha and typically highly modified remnants. However, 21 (5%) of these are greater than 20 ha and should be assessed for ecological values as they potentially could contribute significantly to the persistence of biodiversity in the region. Of the unranked wetlands, 5 are likely to have significant ecological values (including 4 greater than 30 ha)(N Willems pers. comm.) and have been included in the monitoring set.

5.2 Selection of a representative set of wetlands for monitoring

- **Rarity.** Historic bogs have all been drained and developed, and shallow water was historically likely to have been included in the four main classes (bog, fen, swamp, marsh). Of the extant wetlands, fens (11% remaining), swamps (7.7%), and marshes (7.6%) have approximately similar proportions remaining, thus additional weighting of disproportionately under-represented classes was not required.
- **Current extent.** The area of wetlands by class is: swamp 3148 ha, fen 416 ha, and marsh 178 ha. The representative wetland set reflects general proportions and/or rank order of wetland class, and also takes into account the range of vegetation types.
- **National ranking.** All wetlands classified as Nationally Significant (Table 4) were considered top priority for monitoring and included in the draft set of representative wetlands ($n = 43$). Eighteen Regionally Significant wetlands and 5 Non-Assigned wetlands were used to fill gaps in the set, i.e. to cover the range of wetland class/vegetation type, size, distribution, and conservation values in the region.

5.3 Draft list of wetlands for monitoring

We have developed a provisional set of 79 wetlands to be considered for the condition monitoring programme (Table 5). This represents 15–16 wetlands being monitored per year.

A potential timeline is included in Table 5, based on geographic location (Ecological District) of the wetland from a west to east direction. However, this timeline may be adjusted by other considerations such as obtaining permission from landowners for access, or changes in priority. The preferred season for sampling is spring-early autumn during periods of active plant growth.

The draft set identified allows the flexibility of removing or adding wetlands. Principles for rejecting, adding, or substituting sites include:

- Wetlands with inadequate information may be rejected if overwhelmingly dominated by exotics. This applies particularly to small marshes e.g. < 1 ha.
- Areas of open water dominated by aquatic processes (usually water deeper than 1–2 m) and devoid of substrate-rooted emergent vegetation should be rejected. This applies to one or two wetland sites where adjoining ponds and lakes may have been mapped within the wetland.
- Addition of wetland sites identified to be of high priority as more information on conservation values becomes available.
- Wetlands where landowner permission is not granted will be rejected. Where possible, a wetland site with similar attributes (e.g. geographic location, altitude, wetland type, significance, adjacent land use) should be substituted.

Table 5 Suggested timeline for monitoring plot establishment

Wetland	Ecological District	Significance	Monitoring year
Arawa Wetland	Tauranga	R	1
Blue Gum Bay Wetland	Tauranga	N	1
East Rangiwaea Island Wetlands	Tauranga	R	1
Ford Road Lagoon	Tauranga	R	1
Hunters Creek Wetlands	Tauranga	N	1
Kaituna River Wetlands	Tauranga	R	1
Kaituna Sand Dunes Wetland	Tauranga	N	1
Lower Kaituna Wildlife Management Reserve Wetlands	Tauranga	N	1
Matakana Wetland A	Tauranga	N	1
Matakana Wetland B	Tauranga	N	1
Matakana Wetland D	Tauranga	N	1
Matakana Wetland E	Tauranga	R	1
Opureora Wetlands	Tauranga	N	1
Park Road Estuary Wetlands	Tauranga	R	1
Steele Road Wetlands A	Tauranga	N	1
Steele Road Wetlands B	Tauranga	N	1
Waewaetutuki Wetland	Tauranga	R	2
Waewaetutuki Wharere Road Wetland	Tauranga	R	2
Waiariki Drain Wetland	Tauranga	N	2
Waihi Wildlife Management Reserve Wetland	Tauranga	R	2
Waimapu Estuary Wetlands	Tauranga	N	2
Big Lake Wetlands	Otanewainuku	R	2
Copella Road Wetlands	Otanewainuku	?	2
Herepuru Wetlands	Otanewainuku	N	2
Matata Wetland	Otanewainuku	N	2
McPhail Road Wetland	Otanewainuku	N	2
Opuiaki River Wetland	Otanewainuku	N	2
Otamarakau Wetlands	Otanewainuku	N	2
Roy Road Lagoon	Otanewainuku	R	2
Tokerau Bay Wetland	Otanewainuku/Rotorua	R	2
Five Mile Gate Swamp	Rotorua	R	3
Hinehopu Mire	Rotorua	?	3
Lake Te Hapua Wetlands	Rotorua	N	3
Rerewhakaaitu F	Rotorua	?	3
Rotomahana J	Rotorua	N	3

Wetland	Ecological District	Significance	Monitoring year
Sulphur Bay Wetlands	Rotorua	N	3
Tarawera B	Rotorua	N	3
Te Whekau Lagoon	Rotorua	R	3
Waimangu Scenic Reserve Wetland	Rotorua	N	3
Waiowhoro Flat Wetland (Parawai Road Swamp)	Rotorua	?	3
Waitangi Soda Springs Mire	Rotorua	R	3
Fort Galatea Wetlands	Kaingaroa	N	3
Galatea Road Wetland A	Kaingaroa	N	3
Lake Aniwhenua Wetlands	Kaingaroa	?	3
Lake Pouarua Wetlands	Kaingaroa	R	3
Onerahi Wetland A	Kaingaroa	N	3
Otamatea Mire	Kaingaroa	?	3
Rangitaiki Conservation Area Wetlands	Kaingaroa	?	3
Rangitaiki River Wetlands	Kaingaroa	?	3
Waiohau Oxbow Wetland	Kaingaroa	?	3
Whirinaki (Hautapu) Bog	Kaimanawa	?	3
Arahaki Lagoon	Whirinaki	?	4
Awaiti Wildlife Management Reserve Wetlands	Te Teko	R	4
Bregman Wetlands	Te Teko	N	4
Kohika Wetlands	Te Teko	R	4
Matata Lagoon Wildlife Refuge Reserve	Te Teko	N	4
Thornton Lagoon Wildlife Management Reserve Wetlands	Te Teko	N	4
Tumurau (Braemar) Lagoon Wetlands	Te Teko	R	4
Whakatane Estuary Wetlands	Te Teko	R	4
Hiwarau North Wetlands	Taneatua	N	4
Hiwarau South Wetlands	Taneatua	N	4
Ngati Awa Wetland	Taneatua	N	4
Nukuhou Wetlands	Taneatua	N	4
Sisam's Trig Bush Wetland	Taneatua	N	4
Tuhoe Forest Wetlands	Taneatua	R	4
Uretara Island Wetlands	Taneatua	N	4
Omaramutu	Opotiki	R	5
Otanemutu Wetland	Opotiki	?	5
Tirohanga Pa Wetland	Opotiki	R	5
Waiotahi Valley Wetland	Waioeka	N	5
Houpoto Swamp	Motu	N	5

Wetland	Ecological District	Significance	Monitoring year
Raukokore River Mouth Wetlands	Motu	N	5
Rawea Wetland	Motu	R	5
Oheta Stream Wetland	Pukeamaru	N	5
Oheta Wetland	Pukeamaru	N	5
Te Rereauira Swamp	Pukeamaru	N	5
Whangaparaoa A Wetland	Pukeamaru	N	5
Whangaparaoa Dune Hollow Wetland	Pukeamaru	N	5
Lakes Aroarotamahine and Te Paritu Wetlands	Mayor	N	5

6 Conclusions

A provisional set of 79 priority wetlands covering the range of wetland classes, vegetation types, and regional distribution in the Bay of Plenty Region, together with a suggested timeline, is provided for monitoring the state and condition of representative wetlands in the region.

7 Recommendations

The Bay of Plenty Regional Council's Wetland Ecologies Database contains considerable useful biodiversity data. However its utility would be enhanced with the ability to export data in alternative formats and the ability to create custom reports with extracted data.

The WetlandVegetationType spatial data on which the current Bay of Plenty wetland classification is based contains variations in species names (e.g. TYPori mis-spelt 'THYori') and vegetation structural class names (e.g. 'Forestland' and 'Scrubland' are used for Forest and Scrub respectively). It was beyond the scope of the current project to standardise terminology, so some minor errors may remain in the current work (e.g. "=CARgem=-RUBfru Sedgeland" and "=CARgenm=-RUBfru Sedgeland" are listed as different types due to a typographical error). These will be discussed separately in more detail (follow-up discussion with N Willems) and should be corrected to enable more accurate summaries of detailed vegetation types to be tabulated.

Additional information on the Non-Assigned wetlands, particularly the larger ones greater than 20 ha, would be helpful in refining the provisional set. This may include some additional ecological survey of these potentially important wetlands.

8 Acknowledgements

We thank Nancy Willems, Bay of Plenty Regional Council, for conceptualising the project, supplying GIS and other data, and providing on-going feedback, and Mark Smale for reviewing the report.

9 References

- Atkinson IAE 1985. Derivation of vegetation mapping units for an ecological survey of Tongariro National Park, North Island, New Zealand. *New Zealand Journal of Botany* 23(3): 361–378.
- Ausseil A-G, Gerbeaux P, Chadderton W, Stephens T, Brown D, Leathwick J 2008. Wetland ecosystems of national importance for biodiversity. Landcare Research Contract Report LC0708/158 for Chief Scientist, Department of Conservation.
- Bay of Plenty Regional Council 2008. Bay of Plenty Regional Policy Statement incorporating Change No. 1. Whakatane, Bay of Plenty Regional Council.
- Clarkson BR, Sorrel BK, Reeves PN, Champion PD, Partridge TR, Clarkson BD 2003 (rev. 2004). Handbook for monitoring wetland condition.
- Johnson P, Gerbeaux P 2004. Wetland types in New Zealand. Wellington, Department of Conservation.

Appendix 1 – Significance of ecological values of wetlands in the Bay of Plenty Region

Wetland	Structural Class	Wetland Class	Area (ha)	Ecological District
Significance				
National				
Blue Gum Bay Wetland	?	Swamp	70.5	Tauranga
Bregman Wetlands	Forest	Swamp	8.7	Te Teko
Fort Galatea Wetlands	?	Swamp	21.3	Kaingarua
Galatea Road Wetland A	Exotic Forest	Swamp	0.3	Kaingarua
Herepuru Wetlands	Reedland	Swamp	2.9	Otnewainuku
Hiwarau North Wetlands	Reedland	Swamp	0.3	Taneatua
Hiwarau South Wetlands	?	Swamp	3.4	Taneatua
Houpoto Swamp	?	Swamp	47.2	Motu
Hunters Creek Wetlands	?	Swamp	32.4	Tauranga
Kaituna Sand Dunes Wetland	Open Water	Marsh	0.7	Tauranga
Kaituna Sand Dunes Wetland	Reedland	Swamp	8.2	Tauranga
Lake Te Hapua Wetlands	Wirerushland	Fen	2.5	Rotorua
Lake Te Hapua Wetlands	Scrub	Fen	3.0	Rotorua
Lake Te Hapua Wetlands	Open Water	Shallow Water	3.8	Rotorua
Lake Te Hapua Wetlands	Treeland	Swamp	0.0	Rotorua
Lake Te Hapua Wetlands	Forest	Swamp	0.2	Rotorua
Lake Te Hapua Wetlands	Reedland	Swamp	1.0	Rotorua
Lake Te Hapua Wetlands	Shrubland	Swamp	1.2	Rotorua
Lake Te Hapua Wetlands	Scrub	Swamp	2.0	Rotorua
Lakes Aroarotamahine and Te Paritu Wetlands	?	Swamp	7.8	Mayor
Lower Kaituna Wildlife Management Reserve Wetlands	?	Swamp	190.3	Tauranga
Matakana Wetland A	?	Swamp	25.8	Tauranga
Matakana Wetland B	?	Swamp	17.6	Tauranga
Matakana Wetland D	Exotic Treeland	Swamp	4.6	Tauranga
Matata Lagoon Wildlife Refuge Reserve (part)	?	Swamp	7.0	Te Teko
Matata Lagoon Wildlife Refuge Reserve (part)	?	Swamp	8.0	Otnewainuku
Matata Wetland	?	Swamp	3.6	Otnewainuku
McPhail Road Wetland	Forest	Swamp	14.2	Otnewainuku

Wetland	Structural Class	Wetland Class	Area (ha)	Ecological District
Significance				
Ngati Awa Wetland	Sedgeland	Swamp	1.0	Taneatua
Nukuhou Wetlands	?	Swamp	0.8	Taneatua
Oheta Stream Wetland	Reedland	Swamp	3.2	Pukeamaru
Oheta Stream Wetland	Treeland	Swamp	14.8	Pukeamaru
Oheta Wetland	Reedland	Swamp	0.7	Pukeamaru
Onerahi Wetland A	Shrubland	Swamp	30.6	Kaingaroa
Opuiaki River Wetland	Scrub	Swamp	1.9	Otanewainuku
Opureora Wetlands	?	Marsh	1.6	Tauranga
Otamarakau Wetlands	Reedland	Swamp	7.6	Otanewainuku
Raukokore River Mouth Wetlands (part)	?	Swamp	4.5	Motu
Raukokore River Mouth Wetlands (part)	?	Swamp	4.9	Pukeamaru
Rotomahana J	Reedland	Swamp	0.1	Rotorua
Sisam's Trig Bush Wetland	Flaxland	Swamp	0.1	Taneatua
Sisam's Trig Bush Wetland	Reedland	Swamp	0.2	Taneatua
Steele Road Wetlands A	Treeland	Swamp	9.9	Tauranga
Steele Road Wetlands B	Treeland	Swamp	22.9	Tauranga
Sulphur Bay Wetlands	?	None	0.7	Rotorua
Sulphur Bay Wetlands	Sedgeland	Swamp	0.1	Rotorua
Sulphur Bay Wetlands	Reedland	Swamp	0.4	Rotorua
Tarawera B	Reedland	Swamp	0.2	Rotorua
Te Rereauira Swamp	?	Swamp	66.7	Pukeamaru
Thornton Lagoon Wildlife Management Reserve Wetlands	Open Water	Shallow Water	18.1	Te Teko
Thornton Lagoon Wildlife Management Reserve Wetlands	Reedland	Swamp	6.0	Te Teko
Uretara Island Wetlands	?	Swamp	0.1	Taneatua
Waiariki Drain Wetland	Open Water	Marsh	0.6	Tauranga
Waiariki Drain Wetland	Open Water	Swamp	0.6	Tauranga
Waiariki Drain Wetland	Sedgeland	Swamp	1.8	Tauranga
Waiariki Drain Wetland	Reedland	Swamp	4.1	Tauranga
Waiariki Drain Wetland	Exotic Rushland	Swamp	10.4	Tauranga
Waiariki Drain Wetland	Rushland	Swamp	13.2	Tauranga
Waimangu Scenic Reserve Wetland	Sedgeland	Swamp	13.3	Rotorua
Waimapu Estuary Wetlands	?	Swamp	14.9	Tauranga

Wetland	Structural Class	Wetland Class	Area (ha)	Ecological District
Significance				
Waiotahi Valley Wetland	Shrubland	Swamp	0.9	Waioeka
Whangaparaoa A Wetland	?	None	14.5	Pukeamaru
Whangaparaoa Dune Hollow Wetland	?	Swamp	3.0	Pukeamaru
Regional				
Arawa Wetland	?	Swamp	20.5	Tauranga
Awaiti Wildlife Management Reserve Wetlands	Exotic Treeland	Swamp	60.2	Te Teko
Awaraputuna Wetlands	Shrubland	Swamp	1.9	Taneatua
Big Lake Wetlands	Shrubland	Fen	56.8	Otanewainuku
East Rangiwaia Island Wetlands	?	Marsh	1.6	Tauranga
Elizabeth Wetland	Reedland	Swamp	3.2	Tauranga
Five Mile Gate Swamp	Open Water	Swamp	0.1	Rotorua
Five Mile Gate Swamp	Treeland	Swamp	0.4	Rotorua
Five Mile Gate Swamp	Reedland	Swamp	2.0	Rotorua
Ford Road Lagoon	?	Marsh	7.2	Tauranga
Huntress Creek Wetlands	Reedland	Swamp	1.7	Opotiki
Kaituna River Wetlands	?	Swamp	38.7	Tauranga
Katikati Wetlands	Scrub	Marsh	1.3	Tauranga
Keepa Road Wetland	?	Swamp	3.7	Te Teko
Kohika Wetlands	?	Swamp	44.1	Te Teko
Lake Pouarua Wetlands (part)	Open Water	Swamp	7.7	Kaimanawa
Lake Pouarua Wetlands (part)	Open Water	Swamp	143.8	Kaingaroa
Matakana Wetland C	Shrubland	Swamp	35.8	Tauranga
Matakana Wetland E	?	Marsh	1.1	Tauranga
Matua Estuary-Yorke Park Wetlands	?	Swamp	1.3	Tauranga
Matuku Wildlife Management Reserve Wetlands	Forest	Swamp	13.5	Te Teko
Motiti Wetlands	Treeland	Swamp	4.3	Motiti
Moutohora (Whale Island) Wetland	?	Swamp	0.4	White Island
Ohinekoao Wetlands	?	Swamp	4.6	Otanewainuku
Omaramutu	Open Water	Marsh	0.6	Opotiki
Omaramutu	Reedland	Swamp	1.1	Opotiki
Park Road Estuary Wetlands	?	Marsh	1.9	Tauranga
Poike Wetlands	Forest	Swamp	17.0	Tauranga

Wetland	Structural Class	Wetland Class	Area (ha)	Ecological District
Significance				
Rangiwaia Island Wetlands	Shrubland	Swamp	7.4	Tauranga
Rawea Wetland	Shrubland	Swamp	2.9	Motu
Rotoiti C	Exotic Scrub	Swamp	0.3	Rotorua
Rotoiti C	Reedland	Swamp	0.4	Rotorua
Rotoiti C	Scrub	Swamp	1.2	Rotorua
Rotoiti C	Treefernland	Swamp	1.9	Rotorua
Roy Road Lagoon	?	Swamp	25.8	Otawainuku
Tahawai Wetland	Exotic Shrubland	Marsh	1.8	Tauranga
Tarawera Cut Wetlands	?	Swamp	18.5	Te Teko
Tarawera River Wetlands C	?	Swamp	2.4	Rotorua
Tauwhare Pa Wetlands	?	Swamp	0.4	Taneatua
Te Kooti Inlet Wetlands	?	Marsh	0.0	Taneatua
Te Rereatukahia Stream Wetlands	?	Swamp	2.0	Tauranga
Te Whেকau Lagoon	Open Water	Swamp	0.1	Rotorua
Te Whেকau Lagoon	Scrub	Swamp	0.3	Rotorua
Te Whেকau Lagoon	Exotic Rushland	Swamp	0.7	Rotorua
Te Whেকau Lagoon	Sedgeland	Swamp	1.8	Rotorua
Tirohanga Pa Wetland	?	Swamp	4.5	Opotiki
Tokerau Bay Wetland (part)	Exotic Treeland	Fen	0.1	Otawainuku
Tokerau Bay Wetland (part)	Exotic Treeland	Fen	0.0	Rotorua
Tokerau Bay Wetland (part)	Rushland	Fen	2.4	Otawainuku
Tokerau Bay Wetland (part)	Rushland	Fen	0.1	Rotorua
Tokerau Bay Wetland	Scrub	Fen	1.5	Otawainuku
Tuapiro Wetlands	?	Swamp	1.0	Tauranga
Tuhoe Forest Wetlands	Sedgeland	Fen	0.2	Taneatua
Tuhoe Forest Wetlands	Shrubland	Fen	2.4	Taneatua
Tuhoe Forest Wetlands	Shrubland	Swamp	0.1	Taneatua
Tumurau (Braemar) Lagoon Wetlands	?	Swamp	118.6	Te Teko
Tumurau North Wetland	?	Swamp	9.3	Te Teko
Turner Road Wetlands	?	Swamp	0.8	Tauranga
Waewaetutuki Wetland	?	Swamp	72.2	Tauranga
Waewaetutuki Wharere Road Wetland	Open Water	Swamp	0.5	Tauranga

Wetland	Structural Class	Wetland Class	Area (ha)	Ecological District
Significance				
Waewaetutuki Wharere Road Wetland	Reedland	Swamp	3.3	Tauranga
Waihi Wildlife Management Reserve Wetland	?	Marsh	1.1	Tauranga
Waikareao Estuary Wetlands A	?	Swamp	9.1	Tauranga
Wainui Estuary Wetlands A	?	Swamp	2.4	Tauranga
Wainui Estuary Wetlands B	?	Swamp	0.7	Tauranga
Wainui Wetland	Rushland	Marsh	0.6	Taneatua
Wainui Wetland	Exotic Grassland	Marsh	0.7	Taneatua
Wainui Wetland	Exotic Forest	Swamp	1.2	Taneatua
Waiotahe Wetland	Reedland	Swamp	0.3	Opotiki
Waipapa Estuary Wetlands B	?	Swamp	4.5	Tauranga
Wairoa Estuary Wetlands A	?	Swamp	12.6	Tauranga
Wairoa Estuary Wetlands B	?	Swamp	5.6	Tauranga
Waitangi Soda Springs Mire	Exotic Treeland	Swamp	3.3	Rotorua
Waitangi Soda Springs Mire	Exotic Forest	Swamp	5.4	Rotorua
Waitangi Soda Springs Mire	Reedland	Swamp	8.5	Rotorua
Waitao Stream Wetlands	?	Swamp	4.3	Tauranga
Whakatane Estuary Wetlands	?	Marsh	1.8	Te Teko
Whitiwhiti Wetland	?	Swamp	2.2	Taneatua
Local				
Athenree Road Wetlands	Shrubland	Marsh	1.0	Tauranga
Burma Road Wetlands	?	Swamp	0.1	Taneatua
Edinburgh Road Wetland	Treeland	Swamp	1.8	Tauranga
Edinburgh Road Wetland	Forest	Swamp	1.8	Tauranga
Hairini Wetlands	Treeland	Swamp	1.6	Tauranga
Kaitemako Stream Mouth Wetlands	Forest	Swamp	4.4	Tauranga
Kiwinui Wetland	Exotic Grassland	Swamp	0.1	Taneatua
Kiwinui Wetland	Flaxland	Swamp	0.3	Taneatua
Kopurererua Stream Wetland A	Forest	Swamp	63.1	Tauranga
Kuka Road Wetlands	?	Swamp	7.7	Tauranga
Matahora Reserve Wetlands	Exotic Treeland	Swamp	2.7	Tauranga
Ngapeke Road Wetlands	Exotic Treeland	Swamp	8.4	Tauranga
North Eastern Blue Gum Bay Wetlands	?	Swamp	8.1	Tauranga

Wetland	Structural Class	Wetland Class	Area (ha)	Ecological District
Significance				
Omokoroa Wetlands	?	Swamp	0.8	Tauranga
Ongare Wetlands	?	Marsh	2.6	Tauranga
Orini Wetland	?	Swamp	4.5	Te Teko
Oroi Wetland (part)	?	Swamp	1.5	Motu
Oroi Wetland (part)	?	Swamp	1.6	Opotiki
Pukeruru Wetlands	Shrubland	Swamp	1.1	Taneatua
Rangataua Bay Wetlands	?	Swamp	6.5	Tauranga
Reeves Road Wetlands	?	Marsh	0.1	Taneatua
Rotoiti D	Reedland	Swamp	0.1	Rotorua
Sisam Forest Remnant Wetlands	?	Swamp	0.3	Taneatua
Sisam Forest Remnant Wetlands	Reedland	Swamp	0.8	Taneatua
Sisam Wetland A	Exotic Treeland	swamp	0.6	Taneatua
Sisam Wetland A	Reedland	Swamp	1.0	Taneatua
Sisam Wetland A	Sedgeland	Swamp	1.3	Taneatua
Sisam Wetland B	?	Swamp	1.3	Taneatua
Sisam Wetland C	Forest	Swamp	2.2	Taneatua
Sisam Wetland C	Reedland	Swamp	5.3	Taneatua
Sisam Wetland D	Sedgeland	Swamp	0.2	Taneatua
Sisam Wetland D	Shrubland	Swamp	0.5	Taneatua
Sisam Wetland E	Exotic Treeland	Swamp	0.7	Taneatua
Snodgrass Road Inlet Wetland	Forest	Swamp	3.5	Tauranga
Te Puna Stream Mouth Wetlands A	?	Swamp	2.5	Tauranga
Te Wairoa Bay Wetlands (Lake Rotoehu)	Reedland	Shallow Water	0.8	Rotorua
Te Wairoa Bay Wetlands (Lake Rotoehu)	Exotic Herbfield	Swamp	0.2	Rotorua
Te Wairoa Bay Wetlands (Lake Rotoehu)	Exotic Treeland	Swamp	0.3	Rotorua
Te Wairoa Bay Wetlands (Lake Rotoehu)	Exotic Forest	Swamp	1.0	Rotorua
Te Wairoa Bay Wetlands (Lake Rotoehu)	Reedland	Swamp	5.6	Rotorua
Tetley Road Inlet Wetland	?	Swamp	1.8	Tauranga
Tirohanga Wetland B	?	Swamp	2.0	Opotiki
Tukiri Block Wetlands	Exotic Treeland	Swamp	24.0	Te Teko
Waiherehere Road Wetlands	?	Swamp	11.6	Tauranga

Wetland	Structural Class	Wetland Class	Area (ha)	Ecological District
Significance				
Waikaraka Wetlands (Mangawhai Bay)	?	Swamp	0.4	Tauranga
Waipu Bay Wetlands A	?	Marsh	1.1	Tauranga
Waipu Bay Wetlands A	?	Swamp	1.6	Tauranga
Waipu Bay Wetlands B	?	Swamp	0.5	Tauranga
Waipu Bay Wetlands C	?	Swamp	5.2	Tauranga
Welcome Bay Wetlands	?	Swamp	6.8	Tauranga
Williams Wetland	Exotic Treeland	Swamp	1.8	Taneatua
Wolseley Road Wetlands	?	Swamp	0.6	Tauranga

Appendix 2 – Wetland significance by Ecological District

Ecological District	Significance	Wetland	Area (ha)
Kaimanawa	Regional	Lake Pouarua Wetlands (part)	7.7
Kaingaroa	National	Fort Galatea Wetlands	21.3
	National	Galatea Road Wetland A	1.7
	National	Onerahi Wetland A	30.6
	Regional	Lake Pouarua Wetlands (part)	143.8
Mayor	National	Lakes Aroarotamahine and Te Paritu Wetlands	7.8
Motiti	Regional	Motiti Wetlands	8.7
Motu	National	Houpoto Swamp	47.2
	National	Raukokore River Mouth Wetlands (part)	4.5
	Regional	Rawea Wetland	2.9
	Local	Oroi Wetland (part)	1.5
Opotiki	Regional	Huntress Creek Wetlands	1.7
	Regional	Omaramutu	3.4
	Regional	Tirohanga Pa Wetland	4.5
	Regional	Waiotahe Wetland	0.3
	Local	Oroi Wetland (part)	1.6
	Local	Tirohanga Wetland B	2.0
Otanewainuku	National	Herepuru Wetlands	2.9
	National	Matata Lagoon Wildlife Refuge Reserve (part)	8.0
	National	Matata Wetland	3.6
	National	McPhail Road Wetland	14.2
	National	Opuiaki River Wetland	1.9
	National	Otamarakau Wetlands	7.6
	Regional	Big Lake Wetlands	56.8
	Regional	Ohinekoao Wetlands	4.6
	Regional	Roy Road Lagoon	25.8
	Regional	Tokerau Bay Wetland	16.1
Pukeamaru	National	Oheta Stream Wetland	162.2
	National	Oheta Wetland	1.3
	National	Raukokore River Mouth Wetlands (part)	4.9
	National	Te Rereauira Swamp	66.7
	National	Whangaparaoa A Wetland	14.5
	National	Whangaparaoa Dune Hollow Wetland	3.0
Rotorua	National	Lake Te Hapua Wetlands	165.2
	National	Rotomahana J	0.4

Ecological District	Significance	Wetland	Area (ha)
	National	Sulphur Bay Wetlands	4.7
	National	Tarawera B	0.4
	National	Waimangu Scenic Reserve Wetland	13.3
	Regional	Five Mile Gate Swamp	17.9
	Regional	Rotoiti C	19.2
	Regional	Tarawera River Wetlands C	2.4
	Regional	Te Whekau Lagoon	16.9
	Regional	Waitangi Soda Springs Mire	68.7
	Local	Rotoiti D	0.1
	Local	Te Wairoa Bay Wetlands (Lake Rotoehu)	78.0
<hr/>			
Taneatua	National	Hiwarau North Wetlands	0.3
	National	Hiwarau South Wetlands	3.4
	National	Ngati Awa Wetland	3.1
	National	Nukuhou Wetlands	0.8
	National	Sisam's Trig Bush Wetland	0.7
	National	Uretara Island Wetlands	0.1
	Regional	Awaraputuna Wetlands	1.9
	Regional	Tauwhare Pa Wetlands	0.4
	Regional	Te Kooti Inlet Wetlands	0.0
	Regional	Tuhoe Forest Wetlands	13.5
	Regional	Wainui Wetland	10.3
	Regional	Whitiwhiti Wetland	2.2
	Local	Burma Road Wetlands	0.1
	Local	Kiwinui Wetland	1.1
	Local	Pukeruru Wetlands	1.1
	Local	Reeves Road Wetlands	0.1
	Local	Sisam Forest Remnant Wetlands	3.2
	Local	Sisam Wetland A	14.1
	Local	Sisam Wetland B	1.3
	Local	Sisam Wetland C	22.6
	Local	Sisam Wetland D	1.4
	Local	Sisam Wetland E	0.7
	Local	Williams Wetland	1.8
<hr/>			
Tauranga	National	Blue Gum Bay Wetland	70.5
	National	Hunters Creek Wetlands	32.4
	National	Kaituna Sand Dunes Wetland	71.4
	National	Lower Kaituna Wildlife Management Reserve Wetlands	190.3

Ecological District	Significance	Wetland	Area (ha)
	National	Matakana Wetland A	25.8
	National	Matakana Wetland B	17.6
	National	Matakana Wetland D	4.6
	National	Opureora Wetlands	1.6
	National	Steele Road Wetlands A	9.9
	National	Steele Road Wetlands B	22.9
	National	Waiariki Drain Wetland	245.5
	National	Waimapu Estuary Wetlands	14.9
	Regional	Arawa Wetland	20.5
	Regional	East Rangiwaea Island Wetlands	1.6
	Regional	Elizabeth Wetland	6.3
	Regional	Ford Road Lagoon	7.2
	Regional	Kaituna River Wetlands	38.7
	Regional	Katikati Wetlands	1.3
	Regional	Matakana Wetland C	35.8
	Regional	Matakana Wetland E	1.1
	Regional	Matua Estuary-Yorke Park Wetlands	1.3
	Regional	Park Road Estuary Wetlands	1.9
	Regional	Poike Wetlands	17.0
	Regional	Rangiwaea Island Wetlands	7.4
	Regional	Tahawai Wetland	1.8
	Regional	Te Rereatukahia Stream Wetlands	2.0
	Regional	Tuapiro Wetlands	1.0
	Regional	Turner Road Wetlands	0.8
	Regional	Waewaetutuki Wetland	72.2
	Regional	Waewaetutuki Wharere Road Wetland	11.5
	Regional	Waihi Wildlife Management Reserve Wetland	1.1
	Regional	Waikareao Estuary Wetlands A	9.1
	Regional	Wainui Estuary Wetlands A	2.4
	Regional	Wainui Estuary Wetlands B	0.7
	Regional	Waipapa Estuary Wetlands B	4.5
	Regional	Wairoa Estuary Wetlands A	12.6
	Regional	Wairoa Estuary Wetlands B	5.6
	Regional	Waitao Stream Wetlands	4.3
	Local	Athenree Road Wetlands	1.0
	Local	Edinburgh Road Wetland	10.8
	Local	Hairini Wetlands	1.6

Ecological District	Significance	Wetland	Area (ha)
	Local	Kaitemako Stream Mouth Wetlands	4.4
	Local	Kopurererua Stream Wetland A	63.1
	Local	Kuka Road Wetlands	7.7
	Local	Matahora Reserve Wetlands	2.7
	Local	Ngapeke Road Wetlands	8.4
	Local	North Eastern Blue Gum Bay Wetlands	8.1
	Local	Omokoroa Wetlands	0.8
	Local	Ongare Wetlands	2.6
	Local	Rangataua Bay Wetlands	6.5
	Local	Snodgrass Road Inlet Wetland	3.5
	Local	Te Puna Stream Mouth Wetlands A	2.5
	Local	Tetley Road Inlet Wetland	1.8
	Local	Waiherehere Road Wetlands	11.6
	Local	Waikaraka Wetlands (Mangawhai Bay)	0.4
	Local	Waipu Bay Wetlands A	8.3
	Local	Waipu Bay Wetlands B	0.5
	Local	Waipu Bay Wetlands C	5.2
	Local	Welcome Bay Wetlands	6.8
	Local	Wolseley Road Wetlands	0.6
<hr/>			
Te Teko	National	Bregman Wetlands	8.7
	National	Matata Lagoon Wildlife Refuge Reserve (part)	7.0
	National	Thornton Lagoon Wildlife Management Reserve Wetlands	48.2
	Regional	Awaiti Wildlife Management Reserve Wetlands	60.2
	Regional	Keepa Road Wetland	3.7
	Regional	Kohika Wetlands	44.1
	Regional	Matuku Wildlife Management Reserve Wetlands	13.5
	Regional	Tarawera Cut Wetlands	18.5
	Regional	Tumurau (Braemar) Lagoon Wetlands	118.6
	Regional	Tumurau North Wetland	9.3
	Regional	Whakatane Estuary Wetlands	1.8
	Local	Orini Wetland	4.5
	Local	Tukiri Block Wetlands	24.0
<hr/>			
Waioeka	National	Waiotahi Valley Wetland	0.9
<hr/>			
White Island	Regional	Moutohora (Whale Island) Wetland	0.4

Appendix 3 – Wetland vegetation types

Wetland Class	Structural Class	Vegetation	Area (ha)
Fen	?	?	319.8
Fen	Exotic Treeland	SALcin/BAUrub Exotic Treeland	0.1
Fen	Grassland	(LEPsco)/(BAUrub)/_ISAglo_-_exotic grasses_ Grassland	0.7
Fen	Grassland	(LEPsco)/=BAUrub=(PHOTen)-(CORful)/ISOcer-(JUNapp) Grassland	0.3
Fen	Grassland	(LEPsco)/ELEacu=-ISAglo= Grassland	0.4
Fen	Grassland	(TYPori)/=ISAglo=-PASspp Grassland	0.0
Fen	Grassland	CORful-CYPust-(ULEeur) Grassland	0.1
Fen	Open Water	Open Water	0.2
Fen	Reedland	(CORaus)/_LEPsco_/=BAUrub=/_GLEdic_/=SPAcri= Reedland	4.8
Fen	Reedland	?	5.0
Fen	Reedland	LEPsco/BAUrub-(BAUten)-(GLEdic)-(Spanish heath)/=ISOcar=-_JUNspp_-(ORObin)-(PRAarg) Reedland	0.2
Fen	Rushland	(BAUhut)-BAUrub/=ISAglo= Rushland	2.6
Fen	Scrub	_LEPsco_-DRAsub/_LEPaus_-BAUart/GLEdiv.var.alp-HOLLan-HIEred Scrub	5.9
Fen	Scrub	=LEPsco=(PHOTen)/copten/BAUrub/(BLEnov)/ISAglo Scrub	1.5
Fen	Scrub	LEPsco Scrub	0.7
Fen	Scrub	LEPsco-BLEmin-GLEdic Scrub	2.3
Fen	Sedgeland	BAUrub Sedgeland	0.2
Fen	Shrubland	(CORaus)/=COPTen=/BAUrub Shrubland	1.5
Fen	Shrubland	(CORaus)/LEPsco-(THYori)/(CARsec)/ISAglo Shrubland	0.1
Fen	Shrubland	(DACcup)-DICsqu-GAHxan-ASTgra-CORtoe/ELEgra/SPHcri Shrubland	0.2
Fen	Shrubland	_LEPsco_/_ELEacu_-JUNsp. Shrubland	0.4
Fen	Shrubland	CORaus/_COPTen_-BAUrub Shrubland	0.9
Fen	Shrubland	LEPsco-COPTen/BAUart-BAUter-BAUrub-GLEdic-SCHbre Shrubland	9.1
Fen	Shrubland	LEPsco-DRAsub-COPTen/BAUter-Sphagnum Shrubland	56.8
Fen	Wirerushland	(LEPsco)-(EPApau)/EMPmin-GLEdic-(JUNgre) Wirerushland	2.5

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	?	?	1509.5
Swamp	Exotic Forest	SALcin=-SALfra_-ALNglu/BIDfra/moss Exotic Forest	0.4
Swamp	Exotic Forest	(SALcin)/PITten/PSEarb-MELram-PITten-(COProb)/MICsca-GENlig Exotic Forest	0.7
Swamp	Exotic Forest	?	25.9
Swamp	Exotic Forest	_SALcin/_THYori_ Exotic Forest	1.3
Swamp	Exotic Forest	_SALcin/_TYPori Exotic Forest	0.1
Swamp	Exotic Forest	=SALcin=/CARgem-(CARsec) Exotic Forest	1.2
Swamp	Exotic Forest	=SALcin=/CARsec-CARgem-CARspp./RANfla-=exotic grasses= Exotic Forest	1.4
Swamp	Exotic Forest	=SALcin=/COProb-(CORaus)/CARsec-(CORful) Exotic Forest	0.1
Swamp	Exotic Forest	=SALcin=/PHOten-(DICsqu)-RUBfru/(CARsec)-BLEnov Exotic Forest	2.5
Swamp	Exotic Forest	=SALcin=/PHOten-TYPori/CARsec Exotic Forest	0.6
Swamp	Exotic Forest	=SALcin=/THYori/CARsec/ISAglo Exotic Forest	0.2
Swamp	Exotic Forest	=SALfra=_CARvir_-CARsec/_POLhyd_-exotic grasses + herbs Exotic Forest	9.3
Swamp	Exotic Forest	SALcin Exotic Forest	1.0
Swamp	Exotic Forest	SALcin-(SALfra)/LEPSCO-BAUten-BLEnov- pasture-(COTgla)-(BAUrub)-RUBfru-(HYPamb) Exotic Forest	2.8
Swamp	Exotic Forest	SALcin/(LEPSCO)/BLEnov-TYPori-BAUrub-(ELEacu) Exotic Forest	4.3
Swamp	Exotic Forest	SALcin/MELram-DICsqu-PSEarb-PITten-(LEUfas)-(CORful)/BLEnov Forest	3.5
Swamp	Exotic Forest	SALcin/RUBfru Exotic Forest	0.7
Swamp	Exotic Forest	SALcin-LEPSCO Exotic Forest	5.4
Swamp	Exotic Forest	SALcin-LEPSCO/pasture Exotic Forest	4.8
Swamp	Exotic Forest	SALcin-PINcon/ERIluc-CYTSCO-LEPSCO-(PINcon) Exotic Forest	1.0
Swamp	Exotic Forest	SALcin-SALfra Exotic Forest	0.5
Swamp	Exotic Forest	SALfra Exotic Forest	4.7
Swamp	Exotic Forest	SALfra-SALcin/RUBfru-(TYPori) Exotic Forest	6.3
Swamp	Exotic Forest	SALfra-SALcin-ALUglu/COPTen(TYPori)-(PHOten)-DICsqu/BLEmin-RUBfru-LONjap Exotic Forest	24.5
Swamp	Exotic Forest	SALfra-SALcin-MELram-CYAmEd-(LEPSCO) Exotic Forest	0.6
Swamp	Exotic Forest	Salix Exotic Forest	68.8
Swamp	Exotic Forest	SALIX spp.-MELram-CHApal/RUBfru Exotic Forest	2.3
Swamp	Exotic Forest	SALIX spp/RUBfru-TYPori Exotic Forest	9.5
Swamp	Exotic Forest	Salix/RUBfru Exotic Forest	6.5
Swamp	Exotic Grassland	(CARsec)/=exotic grasses= Exotic Grassland	0.2

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Exotic Grassland	(COProb)/=HOLLan=-BLENov-(BAUrub) Exotic Grassland	0.5
Swamp	Exotic Grassland	(CORaus)/=exotic grasses= Exotic Grassland	0.1
Swamp	Exotic Grassland	(DACdac)/(THYori)-(PHOter)/_ELEacu_-ISAglo-_exotic grasses_ Exotic Grassland	2.9
Swamp	Exotic Grassland	(LEPSCO)-(COProb)/_BAUart_-=exotic grasses=-RUBfru Exotic Grassland	0.7
Swamp	Exotic Grassland	(LEPSCO)-(SALcin)/=GLYmax=/(CARsec) Exotic Grassland	0.1
Swamp	Exotic Grassland	(planted) LEPSCO-DODvis-PHOTen Exotic Grassland	0.4
Swamp	Exotic Grassland	(SALcin)-(CORaus)/SCHtab-(CARsec)/exotic grasses Exotic Grassland	1.5
Swamp	Exotic Grassland	(SALcin)/(JUNeff)-(CARsec)/=PASdis= Exotic Grassland	0.3
Swamp	Exotic Grassland	(SALfra)/=PASdis= Exotic Grassland	1.8
Swamp	Exotic Grassland	(SCHtab)/ELEacu-HOLLan-RANrep Exotic Grassland	0.1
Swamp	Exotic Grassland	?	0.9
Swamp	Exotic Grassland	=PASdis=-POCsal Exotic Grassland	0.4
Swamp	Exotic Grassland	CARsec-_HOLLan_-(JUNeff) Exotic Grassland	0.5
Swamp	Exotic Grassland	CHApal-PHOTen/JUNgre (CARGem)-(JUNeff)/POLper-AGRcap Exotic Grassland	1.0
Swamp	Exotic Grassland	COPTen/(BAUrub)/JUNacu-pasture Exotic Grassland	1.7
Swamp	Exotic Grassland	CORsel Exotic Grassland	0.1
Swamp	Exotic Grassland	Exotic Grassland	8.3
Swamp	Exotic Grassland	GLYmax Exotic Grassland	0.6
Swamp	Exotic Grassland	JUNeff/=exotic grasses= Exotic Grassland	0.3
Swamp	Exotic Grassland	JUNeff-CARGem/MENTH-POLYspp.-pasture Exotic Grassland	3.0
Swamp	Exotic Grassland	JUNgre-(JUNeff)-(PHOTen)/PASdis Exotic Grassland	0.3

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Exotic Grassland	PASdil Exotic Grassland	0.2
Swamp	Exotic Grassland	PASdis Exotic Grassland	0.2
Swamp	Exotic Grassland	SALcin/=GLYmax= Exotic Grassland	0.6
Swamp	Exotic Grassland	SALcin-LEPSCO/pasture Exotic Grassland	0.8
Swamp	Exotic Grassland	SALfra/(THYori)/=GLYmax=/=PASdis= Exotic Grassland	2.5
Swamp	Exotic Herbfield	(BERgla)/JUNspp/=LOTped= Exotic Herbfield	0.4
Swamp	Exotic Herbfield	(JUNeff)-(CARsec)/=LOTped=-_RANfla_ Exotic Herbfield	0.2
Swamp	Exotic Herbfield	(SALfra)/ NYMalb Exotic Herbfield	0.3
Swamp	Exotic Herbfield	=POLhyd=-_POLpu_-BIDfro-CARsec-CARur Exotic Herbfield	0.3
Swamp	Exotic Herbfield	CARgem-(CORful)/POLhyd Exotic Herbfield	0.1
Swamp	Exotic Herbfield	ISAglo-CALsep-CARgem-pasture Exotic Herbfield	0.1
Swamp	Exotic Herbfield	PERhyd-JUNten-CAREX spp./SALIX spp. Exotic Herbfield	0.0
Swamp	Exotic Herbfield	POLhyd-CARgem-CORful Exotic Herbfield	0.1
Swamp	Exotic Herbfield	POLhyd-JUNten-CAREX spp./SALIX spp. Exotic Herbfield	0.2
Swamp	Exotic Rushland	(BAUart)-=JUNeff= Exotic Rushland	0.9
Swamp	Exotic Rushland	(CARgem)-(BAUrub)-JUNeff-_HOLLan_/LOTped-ELEacu Exotic Rushland	0.6
Swamp	Exotic Rushland	(DACdac)/_JUNeff_-CARspp/PERper-RANflu Exotic Rushland	0.2
Swamp	Exotic Rushland	(SALfra)/BAUrub-CARsec-CARgem-JUNeff-(JUNgre) Exotic Rushland	0.1
Swamp	Exotic Rushland	_JUNeff_/=exotic grasses= Exotic Rushland	10.4
Swamp	Exotic Rushland	=JUNeff=- (CARsec)/(AZOfil) Exotic Rushland	0.2
Swamp	Exotic Rushland	CORaus/=JUNeff= Exotic Rushland	0.7

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Exotic Rushland	JUNeff Exotic Rushland	0.7
Swamp	Exotic Rushland	JUNeff-(CARvir)/ELEacu-GLYCER sp.-POLhyd-RORpal Exotic Rushland	1.8
Swamp	Exotic Rushland	JUNeff-(JUNgre)-(ELEacu)-GALpul Exotic Rushland	0.2
Swamp	Exotic Rushland	JUNeff/=exotic grasses= Exotic Rushland	0.0
Swamp	Exotic Rushland	JUNeff/RANrep-(PASdis)	0.1
Swamp	Exotic rushland	SALspp./exotic Juncus spp. Exotic Rushland	2.6
Swamp	Exotic Scrub	_SALcin_-DICsu/_DICsqu_-(MELram)-(COProb)/CARGem-(CYPust)/(ELEacu)-(ISAglo) Exotic Scrub	0.4
Swamp	Exotic Scrub	DICsqu/ULEeur-HISinc Exotic Scrub	0.3
Swamp	Exotic Scrub	ULEeur Exotic Scrub	0.4
Swamp	Exotic Shrubland	(SALIX spp.)/CYTsco-adventive herbs-(TYPori)-(SCHtab)-POL spp. Exotic Shrubland	0.8
Swamp	Exotic Shrubland	LEPSCO-SALcin-(BAUrub)/Hollan-CARGau-ERABro-(GALpul)-PINcon Exotic Shrubland	8.9
Swamp	Exotic Shrubland	SALcin-(TYPori)/=JUNeff=-CARsec Exotic Shrubland	0.4
Swamp	Exotic Shrubland	SALIX spp./LEPSCO-BAUrub-CYTsco-(ERIlus) Exotic Shrubland	0.7
Swamp	Exotic Treeland	(SALcm)/BIDfra_-POLhyd_-ELEacu_-POLper/RANfla-COTcor Exotic Treeland	0.2
Swamp	Exotic Treeland	(BAUart)-(SALcin)/ISOdis-CARsec-HOLLan-RUBfru Exotic Treeland	0.1
Swamp	Exotic Treeland	(SALIX spp.)/CYTsco-adventive herbs-(TYPori)-(SCHtab)-POL spp. Exotic Treeland	3.9
Swamp	Exotic Treeland	?	80.8
Swamp	Exotic Treeland	_SALcin_/(THYori)-BOLflu/=CARsec= Exotic Treeland	0.6
Swamp	Exotic Treeland	_SALcin_=THYori=/BAUrub-CARsec Exotic Treeland	5.6
Swamp	Exotic Treeland	_SALcin_/COPpro/_THYori_/CARsec Exotic Treeland	0.7
Swamp	Exotic Treeland	_SALcin_/LEPSCO-(COProb) Exotic Treeland	0.7
Swamp	Exotic Treeland	_SALcin_/RUBfru-TYPori/CARsec Exotic Treeland	0.4

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Exotic Treeland	_SALcin_/THYori=-CARGem=/ISAglo Exotic Treeland	1.0
Swamp	Exotic Treeland	_SALfra_/(CORful)/CARGem-CARvir Exotic Treeland	1.4
Swamp	Exotic Treeland	=Exotic trees=- (CORaus)-(LEPsco)/(PHOten)/=HOLLan= Exotic Treeland	0.1
Swamp	Exotic Treeland	=Exotic trees=- (CORaus)-(LEPsco)/(PHOten)/=HOLLan= Exotic Trees	0.6
Swamp	Exotic Treeland	=SALcin=- (CORaus)/(PHOten)/CARGem-CARsec Exotic Treeland	0.6
Swamp	Exotic Treeland	=SALcin=/(COProb)/=GLYmax=- (CARsec) Exotic Treeland	6.1
Swamp	Exotic Treeland	=SALcin=/(PHOten)-(COPten)/(CARsec)/ISAglo Exotic Treeland	0.4
Swamp	Exotic Treeland	=SALcin=/=PASdis=-POLhyd Exotic Treeland	1.9
Swamp	Exotic Treeland	=SALcin=/CARsec-CARGem-CARspp./RANfla=-exotic grasses= Exotic Treeland	0.3
Swamp	Exotic Treeland	=SALcin=/THYori/CARsec/ISAglo Exotic Treeland	0.7
Swamp	Exotic Treeland	=SALcin=-SALfra/(THYori)/_exotic grasses_ Exotic Treeland	3.5
Swamp	Exotic Treeland	=SALcm=-_SALfra_/CARsec-RUBfru/NASoff Exotic Treeland	0.5
Swamp	Exotic Treeland	Exotic Treeland	24.0
Swamp	Exotic Treeland	POLhyd-JUNten-CAREX spp./SALIX spp. Exotic Treeland	1.4
Swamp	Exotic Treeland	SALcin Exotic Treeland	4.0
Swamp	Exotic Treeland	SALcin-(POPULU)/LEPsco-PHOten/BAUrub-GLEdic-RUBfru-BLEnov Exotic Treeland	5.2
Swamp	Exotic Treeland	SALcin/=PHOten=- (LEPsco)/(TYPori)_CARsec_ Exotic Treeland	0.5
Swamp	Exotic Treeland	SALcin/=PHOten=-=TYPori= Exotic Treeland	0.4
Swamp	Exotic Treeland	SALcin/TYPori Treeland	0.7
Swamp	Exotic Treeland	SALcin/TYPori-(PHOten)/CARsec Treeland	2.2
Swamp	Exotic Treeland	SALcin-LEPsco/pasture Exotic Treeland	0.5

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Exotic Treeland	SALcin-PINcon/ERIluc-CYTSCO-LEPSCO-(PINcon) Exotic Treeland	3.5
Swamp	Exotic Treeland	SALcin-SALfra/PHOten Exotic Treeland	0.4
Swamp	Exotic Treeland	SALfra Exotic Treeland	2.6
Swamp	Exotic Treeland	SALfra-(SALcin)-(ALUglu)-DACdac/CAREX spp.-(PHOten)-(COPten)-CORful Exotic Treeland	11.3
Swamp	Exotic Treeland	SALfra/(GLYmax)/=PASdis= Exotic Treeland	0.3
Swamp	Exotic Treeland	SALfra-LEPSCO Exotic Treeland	0.4
Swamp	Exotic Treeland	SALfra-RACmel-(SALcin)-(LEPSCO)/LEPSCO-ULEEur-COP spp.)/BLENov-CORful-water-(ELEacu)-(CAR spp.) Exotic Treeland	0.4
Swamp	Exotic Treeland	SALfra-SALcin Exotic Treeland	0.2
Swamp	Exotic Treeland	SALfra-SALcin/RUBfru-(TYPori) Exotic Treeland	16.5
Swamp	Exotic Treeland	Salix Exotic Treeland	57.7
Swamp	Exotic Treeland	SALIX spp./CAREX-RUBfru-SALIX spp. Exotic Treeland	3.9
Swamp	Exotic Treeland	SALIX spp./LEPSCO-BAUrub-CYTSCO-(ERIlus) Exotic Treeland	0.7
Swamp	Exotic Treeland	SALIX/(JUNgre)-ELEacu-CYPust-CONalb-CYTSCO Exotic Treeland	0.7
Swamp	Exotic Treeland	Salix/Carex Exotic Treeland	1.2
Swamp	Exotic Treeland	Swamp Exotic Treeland	1.0
Swamp	Exotic Vineland	COProb-PITten-(ARlser)-(PSEarb)/RUBfru-PTEEsc Exotic Vineland	0.7
Swamp	Exotic Vineland	RUBfru-gorse Exotic Vineland	0.3
Swamp	Exotic Vineland	SALcin-(RACmel)-(PITten)-(DICsqu)/RUBfru Exotic Vineland	1.4
Swamp	Exotic Vineland	ULEEur-RUBfru Exotic Vineland	0.8
Swamp	Flaxland	(CORaus)-PHOten/PERdec-PERhyd	0.1
Swamp	Flaxland	(LEPSCO)/=PHOten=- (THYori)/(CARsec) Flaxland	0.3
Swamp	Flaxland	(LEPSCO)/PHOten/=ISAglo= Flaxland	0.1
Swamp	Flaxland	(PRU spp)/PHOten/=GLYmax= Flaxland	0.1

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Flaxland	(SALcin)/PHOten-CARvir Flaxland	0.3
Swamp	Flaxland	(SALcin)/PHOten-CORful/BAUrub-BLEnov Flaxland	3.3
Swamp	Flaxland	=PHOten=/(CORful)/(CARles) Flaxland	0.1
Swamp	Flaxland	PHOten Flaxland	0.3
Swamp	Flaxland	PHOten-(ULEeur)/CARsec Flaxland	0.1
Swamp	Forest	(DACdac)-SALcin/COPten-LEPsco-CORaus/BAUrub-BAUten-CARsec Forest	0.1
Swamp	Forest	?	134.7
Swamp	Forest	_DACdac/_LEPsco/_ELEacu_-ISAglo/(SPHcir) Forest	0.1
Swamp	Forest	=DACdac=(PITten)-(DICsqu)-(SALcin)/_DICsqu_-DICfib/_BLEnov_ Forest	1.2
Swamp	Forest	=DACdac=/_MELram_-_ALEexc_/swampy ground Forest	0.9
Swamp	Forest	=DACdac=/LIGsin-MELvan-CYAden/LIGsin/LIGsin Forest	1.0
Swamp	Forest	=DACdac=-SALcin-PITtan/DICfib-DICsqu-(LIGsin)/_BLEnov_ Forest	1.1
Swamp	Forest	=SALcin=-(CORaus)/COPpro-_SALcin_/(COProb)-COPten-COPpro-CARsec/(GALspp)-(POTsub)-(ELEacu)-BLEnov Forest	2.4
Swamp	Forest	=SALcin=/LONjap/CYPust-CARvir-ZANAet Forest	1.8
Swamp	Forest	DACdac Forest	7.5
Swamp	Forest	KUNeri Forest	0.2
Swamp	Forest	SALcin/CARgem/CARsec Forest	2.2
Swamp	Forest	SALcin-SALfra Forest	4.1
Swamp	Forest	SALcin-SALfra-(ALUglu) Forest	11.1
Swamp	Forest	SALfra-SALcin Forest	0.2
Swamp	Forest	SALfra-SALcin-(DACdac)-(ALUglu) Forest	6.6
Swamp	Forest	SALfra-SALcin-ALUglu/TYPori-RUBfru Forest	8.1
Swamp	Grassland	CARvul=-ISAglo=-ELEacu Grassland	0.4
Swamp	Grassland	CORful Grassland	0.2
Swamp	Grassland	ISAglo-ELEacu Grassland	0.2
Swamp	Open Water	(CARsec)/=AZOfil=-LEMmin Open Water	0.1
Swamp	Open Water	(JUNgre)/=AZOfil=-(LEMmin) Open Water	0.1
Swamp	Open Water	(SALfra)-(SALcin)/(CARsec)-(JUNeff)/(exotic grasses) Open Water	0.5
Swamp	Open Water	?	159.5
Swamp	Open Water	AZOfil Open Water	0.2
Swamp	Open Water	ELEsph-ELEacu Open Water	0.1
Swamp	Open Water	Open Water	57.6
Swamp	Open Water	Openwater-_POTche_-LUDspp Open Water	0.1

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Open Water	SALcin-SALfra Open Water	0.3
Swamp	Open Water	SCHtab-(ELEacu)-(ELEsph) Open Water	0.2
Swamp	Open Water	SCHtab/ELEacu Open Water	0.1
Swamp	Open Water	SCHtab-ELEacu Open Water	0.6
Swamp	Reedland	(ALUglu)-SALfra-(SALcin)/TYPori Reedland	0.8
Swamp	Reedland	(BAUart)-(SALcin)/ISODis-CARsec-HOLlan-RUBfru Reedland	0.7
Swamp	Reedland	(CORaus)-(LEPSCO)/_TYPori/_BAUrub_ Reedland	22.3
Swamp	Reedland	(CORaus)-(SALfra)/CORtoe-PHOTen-TYPori/_CARsec/(AZOfil)-(LEMmin) Reedland	2.9
Swamp	Reedland	(CORaus)/(LEPSCO)/_THYori/_BAUrub/_CARsec_ Reedland	1.0
Swamp	Reedland	(CORaus)/_THYori_-CORful/=CARGem= Reedland	0.1
Swamp	Reedland	(CORaus)/=THYori=(PHOTen)/(BAUrub)/(CARsec) Reedland	5.3
Swamp	Reedland	(CORaus)/=THYori=-_ELEsph/(SCHtab) Reedland	0.4
Swamp	Reedland	(CORaus)/=TYPori=-PHOTen Reedland	0.2
Swamp	Reedland	(CORaus)/LEPSCO-(COPten)/=BAUrub=/GLEdic/_ISAglo_ Reedland	0.7
Swamp	Reedland	(CORaus)/THYori-(PHOTen)-_BAUart/_BAUjun-CARGem Reedland	0.3
Swamp	Reedland	(CORful)-(METIxc)/ISAgla-ELEacu Reedland	0.2
Swamp	Reedland	(DACdac)/(LEPSCO)/(JUNgre)/ELEacu/_ELEgra_ Reedland	0.8
Swamp	Reedland	(DACdac)/(LEPSCO)/=THYori=/CARGem/CARsec) Reedland	2.6
Swamp	Reedland	(DACdac)/ELEacu Reedland	0.1
Swamp	Reedland	(DACdac)/TYPori Reedland	1.0
Swamp	Reedland	(DILsqu)/BAUrub-BAUant/CARvir-CARGem Reedland	0.2
Swamp	Reedland	(ELEsph)-(SCHtab) Reedland	0.1
Swamp	Reedland	(LEPSCO)-(BERgla)/_TYPori_-BAUrub-CARsec Reedland	0.5
Swamp	Reedland	(LEPSCO)-(CORaus)/_TYPori_-BAUart-(PLOTen) Reedland	3.3
Swamp	Reedland	(LEPSCO)-(DICsqu)/(CORful)-_BAUrub_-BLENov-CARsec/=RANfla= Reedland	0.3
Swamp	Reedland	(LEPSCO)-(PHOTen)-(BAUart)/_BAUjun/_ELEacu/_exotic grasses_ Reedland	0.3
Swamp	Reedland	(LEPSCO)/_THYori/_=BAUrub=/(BLENov) Reedland	0.9
Swamp	Reedland	(LEPSCO)/=THYori=/BAUrub/CARsec/_ISAglo_ Reedland	0.2
Swamp	Reedland	(LEPSCO)/TYPori Reedland	0.4
Swamp	Reedland	(PHOTen)-TYPori-BAUrub Reedland	0.0
Swamp	Reedland	(PINrad)/(CORaus)/LEPSCO=THYori=_BAUrub_-CARsec Reedland	2.0
Swamp	Reedland	(SALcin)-(CORaus)/=THYori=(PHOTen)/CARGem Reedland	1.4

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Reedland	(SALcin)-(CORaus)/=TYPori=-=PHOten= Reedland	0.5
Swamp	Reedland	(SALcin)-(CORaus)/THYori/BOLflu/CARGem reedland	2.0
Swamp	Reedland	(SALcin)-(LEPSCO)/=ELESph=/AZOfil Reedland	0.7
Swamp	Reedland	(SALcin)-(Pampas)/=GLYmax= Reedland	2.5
Swamp	Reedland	(SALcin)/(LEPSCO)/=TYPori=/CARsec Reedland	2.2
Swamp	Reedland	(SALcin)/_JUNeff_-CARGem/exotic grasses Reedland	1.3
Swamp	Reedland	(SALcin)/_THYori_-(CARGem)/BLENov Reedland	0.4
Swamp	Reedland	(SALcin)/_TYPori_-LEPSCO/=RUBfru= Reedland	0.2
Swamp	Reedland	(SALcin)/=ELESph=/GLYmax/MYRsp. Reedland	0.9
Swamp	Reedland	(SALcin)/=ELESph=-BAUrub Reedland	0.1
Swamp	Reedland	(SALcin)/=THYori= Reedland	2.4
Swamp	Reedland	(SALcin)/=THYori=- (PHOten)/(CARsec) Reedland	1.0
Swamp	Reedland	(SALcin)/=THYori=/=exotic grassess= Reedland	0.5
Swamp	Reedland	(SALcin)/=THYori=/CARsec Reedland	0.2
Swamp	Reedland	(SALcin)/=THYori=/CARsec/=AZOfil= Reedland	0.5
Swamp	Reedland	(SALcin)/=TYPori= Reedland	0.5
Swamp	Reedland	(SALcin)/=TYPori=/ (CARsec) Reedland	0.6
Swamp	Reedland	(SALcin)/=TYPori=/CARsec Reedland	0.2
Swamp	Reedland	(SALcin)/BAUrub Reedland	1.1
Swamp	Reedland	(SALcin)/BAUrub-PHOten Reedland	0.2
Swamp	Reedland	(SALcin)/ELESph-(THYori) Reedland	0.5
Swamp	Reedland	(SALcin)/TYPori reedland	0.0
Swamp	Reedland	(SALcin)/TYPori-BAUrub reedland	0.7
Swamp	Reedland	(SALfra)/=THYori=- (CORful)/CARvir-RANrep Reedland	0.7
Swamp	Reedland	(SALfra)/BAUart Reedland	0.1
Swamp	Reedland	(SALfra)/TYPori-BAUart Reedland	0.2
Swamp	Reedland	(SALfra)/TYPori-ELESph Reedland	0.1
Swamp	Reedland	(SALfra)/TYPori-PHOten-SCHtab Reedland	0.1
Swamp	Reedland	(SALIX spp.)/TYPori Reedland	6.8
Swamp	Reedland	(TYPori)/SCHtab Reedland	0.3
Swamp	Reedland	?	67.8
Swamp	Reedland	_ELESph_- _BAUrub_- _JUNsp. Reedland	0.5
Swamp	Reedland	_SALcin/_THYori_-(CARGem)/BLENov Reedland	0.7
Swamp	Reedland	_SALcin/_THYori_/CARsec Reedland	1.9
Swamp	Reedland	=BAUter=/SPASub/(PRAang) Reedland	0.8
Swamp	Reedland	=ELEacu=GLYmax/=GALper=- (RANfla) Reedland	0.1

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Reedland	=SCHtab=/(ISAglo) Reedland	0.2
Swamp	Reedland	=THYori=-(SCHtab) Reedland	6.1
Swamp	Reedland	=THYori=/(AZOfil)-(MYRagu) Reedland	0.1
Swamp	Reedland	=THYori=/(CARgem)/_CARsec_-exotic grasses Reedland	0.8
Swamp	Reedland	=THYori=/CARgem-(ISONod) Reedland	1.8
Swamp	Reedland	=THYori=/CARsec-CARvir/_exotic grasses_ Reedland	0.4
Swamp	Reedland	=THYori=/PHOten/CARgem Reedland	5.4
Swamp	Reedland	=TYPori=/BOLflu/CARgem-(BAUrub) Reedland	0.3
Swamp	Reedland	=TYPori=/CARsec/ISOPin Reedland	0.2
Swamp	Reedland	BAUart Reedland	5.4
Swamp	Reedland	BAUart/ELEsph Reedland	0.3
Swamp	Reedland	BAUart-BAUrub-(ELEsph) Reedland	0.3
Swamp	Reedland	BAUart-ELEsph Reedland	1.0
Swamp	Reedland	BAUart-SCHtab/(ELEacu) Reedland	0.1
Swamp	Reedland	BAUrub Reedland	0.4
Swamp	Reedland	BOLflu Reedland	0.1
Swamp	Reedland	BOLflu-(TYPori) Reedland	0.1
Swamp	Reedland	DACcup/_ELEacu_-JUNgre/RANfla Reedland	0.1
Swamp	Reedland	DACdac/CORaus/LEPSCO-THYori/(PHOten)- =GAHxan=/CARgem/CARsec Reedland	0.6
Swamp	Reedland	ELEacu Reedland	0.1
Swamp	Reedland	ELEacu Reedland	0.7
Swamp	Reedland	ELEacu-(ELEsph) Reedland	0.2
Swamp	Reedland	ELEacu/GLOela-LUDpal Reedland	0.1
Swamp	Reedland	ELEacu-CARsec-JUNacu-(JUNgre) Reedland	0.5
Swamp	Reedland	ELEacu-ISAgla-(PERhyd) Reedland	0.3
Swamp	Reedland	ELEacu-ISAglo Reedland	0.1
Swamp	Reedland	ELEsph Reedland	15.2
Swamp	Reedland	ELEsph-(BAUrub) Reedland	0.0
Swamp	Reedland	ELEsph-(SCHtab) Reedland	0.1
Swamp	Reedland	ELEsph-(SCHtab)-(JUNgre) Reedland	0.9
Swamp	Reedland	ELEsph-(SCHtab)-(TYPori) Reedland	0.4
Swamp	Reedland	ELEsph=BAUjun=-(JUNgre)BAUart Reedland	3.2
Swamp	Reedland	ELEsph-BAUart Reedland	6.0
Swamp	Reedland	ELEsph-BAUrub Reedland	0.2
Swamp	Reedland	ELEsph-ELEacu Reedland	0.3

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Reedland	ELEsph-SCHtab Reedland	1.6
Swamp	Reedland	ELEsph-TYPori Reedland	0.3
Swamp	Reedland	LEPsc-(DICsqu)-(PSEarb)-(COProb)/TYPori-PTEesc-BLEnov Reedland	0.5
Swamp	Reedland	LEPsc-(KUNeri)/TYPori Reedland	0.0
Swamp	Reedland	LEPsc-COPten-TYPori/JUNart-BAUrub?-SPASub Reedland	0.4
Swamp	Reedland	PHOten - TYPori-CORful-(DICsqu)-BLEcap Reedland	0.1
Swamp	Reedland	SALcin-(LEPsc)/_BAUart_-_THYori_/POLhyd/AZOfil Reedland	5.6
Swamp	Reedland	SALcin/_PHOten_-_THYori_/=BAUrub=-CARsec-(BLEnov) Reedland	5.0
Swamp	Reedland	SALcin/=THYori/=/(CARsec) Reedland	5.2
Swamp	Reedland	SALcin/=THYori/=/exotic grasses Reedland	0.3
Swamp	Reedland	SALcin/ELEsph/JUNbul-LACfil-GALpul Reedland	7.5
Swamp	Reedland	SALcin/LEPsc=-THYori=/PHOten/CARGem Reedland	2.0
Swamp	Reedland	SALcin/TYPori Reedland	0.7
Swamp	Reedland	SALcin/TYPori-(PASdis)-(BAUten) Reedland	0.2
Swamp	Reedland	SALcin-LEPsc/THYori-CARsec Reedland	0.4
Swamp	Reedland	SALfra-(CORaus)/=TYPori=-(PHOten)/GLYmax Reedland	1.5
Swamp	Reedland	SALfra/TYPori Reedland	0.8
Swamp	Reedland	SALfra/TYPori-(SCHtab) Reedland	0.1
Swamp	Reedland	SALfra-ALUglu/TYPori-CYPust Reedland	0.4
Swamp	Reedland	SALIX spp./CYTsco-JUNgre-LEPsc-SALIX spp. reedland	2.0
Swamp	Reedland	SALIX spp./ELEsph Reedland	2.7
Swamp	Reedland	SCHtab Reedland	3.3
Swamp	Reedland	SCHtab-(ELEsph) Reedland	0.1
Swamp	Reedland	SCHtab/ELEacu Reedland	0.3
Swamp	Reedland	SCHtab/exotic grasses Reedland	0.1
Swamp	Reedland	SCHtab/ISAglo-ELEacu Reedland	0.1
Swamp	Reedland	SCHtab/JUNgre/ELEacu	0.2
Swamp	Reedland	SCHtab-BAUart Reedland	0.0
Swamp	Reedland	SCHtab-ELEacu-mud Reedland	0.4
Swamp	Reedland	SCHtab-ELEsph Reedland	0.0
Swamp	Reedland	SCHtab-TYPori Reedland	2.4
Swamp	Reedland	SHCtab Reedland	0.1
Swamp	Reedland	THYori-(BAUart)/open water Reedland	4.1
Swamp	Reedland	THYori/(CARsec) Reedland	0.2
Swamp	Reedland	TYPori Reedland	26.5

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Reedland	TPori-(BAUart)/SCHtab Reedland	1.1
Swamp	Reedland	TPori-(BAUart)/SCHtab-NYMalb Reedland	0.1
Swamp	Reedland	TPori-(BAUart)-ELEsph Reedland	0.7
Swamp	Reedland	TPori-(ELEsph)-(BAUrub)/JUNspp Reedland	0.2
Swamp	Reedland	TPori-(SCHtab)-(ELEsph) Reedland	0.5
Swamp	Reedland	TPori-(SCHtab)-(ELEsph)/ISAglo-ELEacu Reedland	0.1
Swamp	Reedland	TPori/BAUart-SCHtab Reedland	0.5
Swamp	Reedland	TPori/CARSEC-PASdis Reedland	0.4
Swamp	Reedland	TPori/CYPust Reedland	0.0
Swamp	Reedland	TPori/ELEacu Reedland	0.1
Swamp	Reedland	TPori/ELEsph Reedland	0.1
Swamp	Reedland	TPori/SCHtab Reedland	0.0
Swamp	Reedland	TPori/SCHtab-water Reedland	0.4
Swamp	Reedland	TPori-BAUart Reedland	0.3
Swamp	Reedland	TPori-BAUart-SCHtab Reedland	0.7
Swamp	Reedland	TPori-BAUhut Reedland	0.1
Swamp	Reedland	TPori-BAUrub Reedland	0.0
Swamp	Reedland	TPori-BOLflu Reedland	0.8
Swamp	Reedland	TPori-CARsec-BLEnov-CARGem-CORful reedland	0.7
Swamp	Reedland	TPori-CORful-water Reedland	0.6
Swamp	Reedland	TPori-CYPust/ELEacu Reedland	0.1
Swamp	Reedland	TPori-CYPust-CORful/(KUNeri) Reedland	0.9
Swamp	Reedland	TPori-ELEsph Reedland	0.7
Swamp	Reedland	TPori-ELEsph-BAUart Reedland	0.1
Swamp	Reedland	TPori-ELEsph-SCHtab-BAUart Reedland	0.7
Swamp	Reedland	TPori-ELEsph-water-SCHtab Reedland	0.3
Swamp	Reedland	TPori-PHOten/CARsec Reedland	0.2
Swamp	Reedland	TPori-SCHtab Reedland	2.6
Swamp	Reedland	TPori-SCHtab-(ELEsph) Reedland	0.5
Swamp	Reedland	TPori-SCHtab/POLsal-PASdis Reedland	0.1
Swamp	Reedland	TPori-SCHtab-CARsec Reedland	0.1
Swamp	Reedland	TPori-SCHtab-ELEacu Reedland	4.1
Swamp	Reedland	TPori-SCHtab-ELEsph Reedland	0.2
Swamp	Rushland	(BAUart)/=JUNsar=-=JUNeff/=exotic grasses= Rushland	13.2
Swamp	Rushland	(DACcup)/(LEPsco)/JUNgre-JUNeff/exotic grass-AZOfil-JUNart- _RANfla_ Rushland	0.4

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Rushland	(SALcin)/(SCHtab)-(THYori)/CARles-JUNeff/=ELEacu=-_AGRsto_/LOTped-RUNrep Rushland	0.7
Swamp	Rushland	(SALcin)/(SCHtab)-(TYPori)/CARles-JUNeff/=ELEacu=-_AGRsto_/LOTped-RUNrep Rushland	2.7
Swamp	Rushland	CONalb-(JUNeff)/JUNbul-GALpul Rushland	1.7
Swamp	Rushland	JUNbul-JUNacu-(ELEsph) rushland	1.6
Swamp	Rushland	JUNeff=-HOLlan=-exotic grasses=-/_RANfla_-LOTped Rushland	0.3
Swamp	Rushland	JUNeff-CARgem/=ANTodo=-exotic grasses Rushland	0.6
Swamp	Rushland	JUNgre Rushland	0.0
Swamp	Rushland	JUNgre-JUNeff-ELEacu-PASdis Rushland	0.1
Swamp	Rushland	Rushland	0.2
Swamp	Rushland	SALcin-(TYPori)/=JUNeff=-CARsec Rushland	0.5
Swamp	Scrub	LEPSCO-(ULEeur)/BAUrub Scrub	0.3
Swamp	Scrub	LEPSCO/CYPust-(TYPori)-(JUNgre)-POLhyd Scrub	0.3
Swamp	Scrub	(CORaus)-(DACdac)/=LEPSCO=/_CORful_- _CARgem_/ _BLEnov_ Scrub	1.5
Swamp	Scrub	(CORaus)/=LEPSCO=/(PHOten) Scrub	0.6
Swamp	Scrub	(CORaus)/=LEPSCO=/_CARsec= Scrub	7.7
Swamp	Scrub	(CORaus)/=LEPSCO=-spanish heath= Scrub	0.5
Swamp	Scrub	(DACcup)(DACdac)/=LEPSCO=-RAUara-COtag-LEUfas/JUNgre-RANfla-BLEnov-Car sp/PRAang=-SPHcri= Scrub	6.8
Swamp	Scrub	(KNIexc)/LEPSCO/BAUhut-(BAUrub)-(JUNgre) Scrub	1.0
Swamp	Scrub	(RACmea)-(PARlop)/LEPSCO/PITten-MYRaus-COProb Scrub	4.1
Swamp	Scrub	(SALfra)/LEPSCO Scrub	1.9
Swamp	Scrub	(SALfra)DACdac/PHOten-LEPSCO-TYPori Scrub	0.1
Swamp	Scrub	(WEIrac)-(SALcin)/COPTen-LEPSCO/TYPori-BAUrub-BLEmin Scrub	1.4
Swamp	Scrub	?	1.9
Swamp	Scrub	=LEPSCO=/_BAUten_-BAUrub-(PHOten)/(CARvir)-BLEnov Scrub	3.5
Swamp	Scrub	=LEPSCO=/CORful-ERIlus/_BLEnov_ Scrub	0.4
Swamp	Scrub	CORaus/LEPSCO Scrub	1.8
Swamp	Scrub	LEPSCO scrub	6.2
Swamp	Scrub	LEPSCO-(Japanese walnut?)-(PINUS sp.) Scrub	0.7
Swamp	Scrub	LEPSCO/BAUrub Scrub	0.2
Swamp	Scrub	LEPSCO/BAUrub-BAUhut-BLEmin Scrub	0.9
Swamp	Scrub	LEPSCO/CORful-PASdis-(SCHtab)-(CYPust) Scrub	0.7
Swamp	Scrub	LEPSCO/MYRaus-COProb-(COPluc) Scrub	3.1
Swamp	Scrub	LEPSCO/TYPori-BAUrub-BLEmin Scrub	0.4

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Scrub	LEPsco-COPten Scrub	3.0
Swamp	Scrub	LEPsco-COPten-(SALcin)-(BAUart)/BLEmin-CARgem-BAUrub- GLEdic Scrub	7.2
Swamp	Scrub	LEPsco-COPten-ULEeur Scrub	1.9
Swamp	Scrub	LEPsco-CORarb Scrub	0.3
Swamp	Scrub	LEPsco-KUNeri-(ULEeur) Scrub	2.5
Swamp	Scrub	LEPsco-SALcin-CORful-HEBstr Scrub	0.5
Swamp	Scrub	ULEeur Scrub	0.1
Swamp	Sedgeland	(BAUart)-(TYPori)/CARsp.-JUNeff- _AGRsto_ Sedgeland	1.8
Swamp	Sedgeland	(CARgem)=-HOLLan= Sedgeland	0.5
Swamp	Sedgeland	(CORaus)/(CORful)-(LEPsco)/=CARvir= Sedgeland	0.1
Swamp	Sedgeland	(CORaus)/(LEPsco)/THYori-CORful/ _CARsec_ Sedgeland	0.9
Swamp	Sedgeland	(CORaus)/_LEPsco_/=CARsec=- =PHOten=-(JUNspp) Sedgeland	1.7
Swamp	Sedgeland	(CORaus)/THYori-_BOLflu_ /=CARgem= Sedgeland	0.7
Swamp	Sedgeland	(CYAmed)/=DICsqu=- (MELram)-(COProb)/=CYPust=- _CARvir_- TYPori Sedgeland	0.5
Swamp	Sedgeland	(DULeur)/JUNeff/_Carex sp_ =-AGRsto= Sedgeland	4.3
Swamp	Sedgeland	(LEPsco)/=TYPori=- CARsec Sedgeland	0.6
Swamp	Sedgeland	(LEPsco)/BAUrub-CARsec Sedgeland	0.2
Swamp	Sedgeland	(LEPsco)/CARsec/=AZOfil= Sedgeland	0.0
Swamp	Sedgeland	(LEPsco)/JUNeff-CARfla/ exotic grasses Sedgeland	0.1
Swamp	Sedgeland	(PHOten)/=CAREX spp.=/ _ISAglo_ Sedgeland	0.3
Swamp	Sedgeland	(PINrad)/=CARgem=- (CARsec) Sedgeland	0.5
Swamp	Sedgeland	(SALcin)/(Ch.privet)/(PHOten) =-THYori=/CARgem Sedgeland	0.9
Swamp	Sedgeland	(SALcin)/(PHOten)/=CARsec= Sedgeland	4.4
Swamp	Sedgeland	(SALcin)/_CARsec_ /_exotic grasses_ Sedgeland	0.7
Swamp	Sedgeland	(SALcin)/_CARsec_- _CARvir_-CARlur-TYPori Sedgeland	0.1
Swamp	Sedgeland	(SALcin)/=CARsec=- CARgem/=HOLLan=- exotic grasses Sedgeland	0.5
Swamp	Sedgeland	(SALcin)/=THYori=- _CARgem_/ISAglo Sedgeland	5.6
Swamp	Sedgeland	(SALfra)/CARgem-CARsec Sedgeland	0.2
Swamp	Sedgeland	_CARgem_/ELEacu/ _exotic grasses_ Sedgeland	0.3
Swamp	Sedgeland	_CARles_- _CARsp_/ (RANfla) Sedgeland	0.3
Swamp	Sedgeland	_CARvir_- CARsec-JUNeff/RANeps Sedgeland	0.1
Swamp	Sedgeland	_dead LEPsco_ /_CARgem_-ELEacu/ (SPHcir) Sedgeland	0.9
Swamp	Sedgeland	_ELEacu_- =RANfla= Sedgeland	0.1
Swamp	Sedgeland	_SALcin_/=BOLflu=- (THYori)/_CARgem_ Sedgeland	0.3
Swamp	Sedgeland	_TYPori_ /_exotic JUNspp=- CARgem= Sedgeland	1.0

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Sedgeland	=CARgem=(CARsec) Sedgeland	0.2
Swamp	Sedgeland	=CARgem=-RUBfru Sedgeland	2.1
Swamp	Sedgeland	=CARgenm=-RUBfru Sedgeland	0.5
Swamp	Sedgeland	=ELEacu=GLYmax/=GALper=-(RANfla) Sedgeland	0.3
Swamp	Sedgeland	BOLful-(THYori)/ASAglo Sedgeland	0.1
Swamp	Sedgeland	Carex Sedgeland	20.8
Swamp	Sedgeland	Carex Sedgeland	0.0
Swamp	Sedgeland	CAREX spp.-CYPust Sedgeland	0.2
Swamp	Sedgeland	CARgem Reedland	0.3
Swamp	Sedgeland	CARgem Sedgeland	0.2
Swamp	Sedgeland	CARgem-(JUNssp)/ELEacu-GALper=-exotic grasses= Sedgeland	0.9
Swamp	Sedgeland	CARgem-CARsec Sedgeland	0.4
Swamp	Sedgeland	CARsec Sedgeland	0.9
Swamp	Sedgeland	CARsec-CORful-CARgem Sedgeland	0.2
Swamp	Sedgeland	CARsec-CYPust Sedgeland	0.1
Swamp	Sedgeland	CARvir Sedgeland	0.2
Swamp	Sedgeland	CORaus/(THYori)=CARgem=-(BAUrub) Sedgeland	1.0
Swamp	Sedgeland	CORaus/CORful=-CARsec=-BLEnov Sedgeland	1.4
Swamp	Sedgeland	CORful/CYPust-CARsec-SCHtab-ELEsph Sedgeland	0.2
Swamp	Sedgeland	CORful-CARsec-BLEnov-HOLLian Sedgeland	0.1
Swamp	Sedgeland	CYPust Sedgeland	0.1
Swamp	Sedgeland	CYPust-CARsec-PHOTen-CORful Sedgeland	0.1
Swamp	Sedgeland	CYPust-JUNacu Sedgeland	0.1
Swamp	Sedgeland	CYPust-TYPori Sedgeland	0.1
Swamp	Sedgeland	CYPust-TYPori-HISinc Sedgeland	0.1
Swamp	Sedgeland	DICsqu-CORaus/=CARsec=-(BAUrub)/=LOTped= Sedgeland	0.2
Swamp	Sedgeland	DISsqu-LEPSCO/TYPori-CYPust-CORful-CARgem Sedgeland	0.7
Swamp	Sedgeland	RUBfru-CARgem-CARsec-CORful Sedgeland	0.9
Swamp	Sedgeland	SALcin-(POPULU)-(PINrad)/CARgem-JUNart-BAUrub Sedgeland	0.2
Swamp	Sedgeland	SCHtab/ELEacu Sedgeland	0.1
Swamp	Sedgeland	SCHtab-CARgem-CARsec Sedgeland	0.2
Swamp	Sedgeland	Sedgeland	0.1
Swamp	Sedgeland	TYPori/SCHtab-CARsec-CYPust/ISAglo Sedgeland	0.0
Swamp	Shrubland	(CORaus)/_COptay/_CARsol/_SPHcri Shrubland	0.2
Swamp	Shrubland	(DACdac)-(WEIrac)-(SALcin)/LAPSCO-COPTen/GHAXan/BAUrub/_SPHcri_ Shrubland	0.2

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Shrubland	(DACdac)/_COPten_- _LEPSCO/_BAUrub/_CARsec/BLENov/(SPHcir) Shrubland	0.9
Swamp	Shrubland	(DACdac)/COPten-LEPSCO-THYori Shrubland	0.7
Swamp	Shrubland	(SALcin)/_COPpro/_BAUrub_-CARgem/_CARsec_ Shrubland	0.5
Swamp	Shrubland	(SALcin)/=TYPori=/_CARsec_ Shrubland	1.4
Swamp	Shrubland	(SALcin)/LEPSCO/CARsec Shrubland	0.6
Swamp	Shrubland	?	105.1
Swamp	Shrubland	=COPten=-(LEPSCO)-(PSEcra)/_ELEsph/_BAUrub) Shrubland	0.6
Swamp	Shrubland	=KUNeri=/_SPHcri= Shrubland	2.9
Swamp	Shrubland	=LEPSCO=/_BAUrub_-THYori/BLENov-(ISAglo) Shrubland	0.3
Swamp	Shrubland	=LEPSCO=/_exotic grasses= Shrubland	0.3
Swamp	Shrubland	ALNglu-SALfra/TYPori-RUBfru-ULEEur Shrubland	0.4
Swamp	Shrubland	CYTSCO-CORful Shrubland	1.0
Swamp	Shrubland	DACdac-Hawthorn/COPpro-LEPSCO/_BAUrub_- _CARgem/_SPASub) Shrubland	3.5
Swamp	Shrubland	KUNeri-(LEPSCO)/(JUNgre)-KUNeri-(HISinc) Shrubland	0.1
Swamp	Shrubland	LEPSCO Shrubland	0.2
Swamp	Shrubland	LEPSCO/BAUrub-water Shrubland	0.1
Swamp	Shrubland	LEPSCO/pasture Shrubland	0.1
Swamp	Shrubland	LEPSCO-CORaus/_CARsec_-CYPust_-BLENov_ Shrubland	1.4
Swamp	Shrubland	LEPSCO-CORsel-(SALcin) Shrubland	0.1
Swamp	Shrubland	LEPSCO-ERIluc-CYTSCO/ERAbro-GALpul Shrubland	13.0
Swamp	Shrubland	LEPSCO-ERIluc-SALIX spp./BAUrub-JUNgre Shrubland	2.2
Swamp	Shrubland	LEPSCO-pasture-(PTEesc) Shrubland	0.6
Swamp	Shrubland	LEPSCO-SALfra-(SALcin)-COPten Shrubland	0.6
Swamp	Shrubland	LEPSCO-sand-CORarb Shrubland	0.3
Swamp	Shrubland	MELram-SALmat-(PITten)-(CUPmac)/ULEEur-HEDhel Shrubland	0.2
Swamp	Shrubland	SALcin-CAREX spp.-LEPSCO Shrubland	0.1
Swamp	Shrubland	SALfra-(DACdac)-SALcin-(ALUglu)/RUBfru-CAREX spp. Shrubland	1.2
Swamp	Shrubland	SALfra-(SALcin)-(ALUglu)-DACdac/CAREX spp.-(PHOTen)- (COPten)-CORful Shrubland	1.2
Swamp	Shrubland	Shrubland	0.1
Swamp	Treefernland	CORaus-(DICsqu)/=DICsqu=-(PHOTen)-COProb-LEPSCO/CARgem- BLENov Treefernland	0.3
Swamp	Treefernland	DICsqu/ULEEur-HISinc Treefernland	1.9
Swamp	Treefernland	DICsqu-CORaus/=CARsec=-(BAUrub)/=LOTped= Treefernland	0.5
Swamp	Treefernland	DICsqu-LEPSCO/-PSEarb-MELram Treefernland	0.7

Wetland Class	Structural Class	Vegetation	Area (ha)
Swamp	Treeland	=SALfra=(CORaus) Treeland	0.2
Swamp	Treeland	(DACdac)-LAUnov Treeland	0.4
Swamp	Treeland	(SALcin)/BAUart-BAUrub/(LONjap)/ELEacu Treeland	0.8
Swamp	Treeland	?	55.1
Swamp	Treeland	=DACdac/CARsec-exotic Carex spp.+exotic grasses= Treeland	0.4
Swamp	Treeland	=DACdac=-DACcup/(LEUsco)-(LEUfas) Treeland	0.0
Swamp	Treeland	=SALcin=(CORaus)/THYori-SCHtab-(JUNeff)/exotic grasses Treeland	4.3
Swamp	Treeland	=SALcin=(DICsqu)-MYRaus/_shrub_/=CARGem= Treeland	0.4
Swamp	Treeland	=SALcin=/CARsec-CARGem-CARssp./RANfla=exotic grasses= Treeland	2.0
Swamp	Treeland	CORaus/PHOten/exotic grasses Treeland	0.3
Swamp	Treeland	DACcup-PODtot-(NOTtru)/LEPSCO-PHYalp-IXEbre/=GAHXan=-GLEdic/ELEgra Treeland	14.5
Swamp	Treeland	DACdac Treeland	0.1
Swamp	Treeland	DACdac/CORaus/LEPSCO-THYori/(PHOten)-=GAHXan=/CARGem/CARsec Treeland	14.8
Swamp	Treeland	LAUnov-SYZmai/LEPSCO-COProb-BLEmin Treeland	0.4
Swamp	Treeland	LEPSCO-CORaus/_CARsec/_CYPust-_BLEnov_ Treeland	1.4
Swamp	Treeland	MELram-PITten-CYamed-WEIrac-(PITEug)-(PSEarb) Treeland	0.3
Swamp	Treeland	PITten-COProb/BLEnov-PTEesc-TYPori Treeland	0.1
Swamp	Treeland	SALcin/(LEPSCO)/_CYPust_-LONjap/_PENcla_ Treeland	1.0
Swamp	Treeland	SALcin/BLEnov(minus)-BAUrub- CORful-PHOten Treeland	0.4
Swamp	Treeland	SALfra Reedland	0.4
Swamp	Treeland	SALfra-(DACdac)-SALcin-(ALUglu)/RUBfru-CAREXspp. Treeland	10.7
Swamp	Treeland	SALfra-(SALcin)/POLhyd-CYPust-CORful Treeland	0.2
Swamp	Treeland	SALfra-ALNglu/PHOten-TYPori treeland	0.9
Swamp	Treeland	SALIX spp./CAREX spp.-PTEesc-TYPori Treeland	0.2
Swamp	Treeland	Treeland	33.8

Wetland Class	Structural Class	Vegetation	Area (ha)
Marsh	?	?	153.7
Marsh	Exotic Grassland	(GLYmax)/PASdis grassland	0.5
Marsh	Exotic Grassland	(JUNeff)/_PASdis_ Exotic Grassland	0.2
Marsh	Exotic Grassland	=exotic grasses= Exotic Grassland	0.7
Marsh	Exotic Grassland	=GLYmax= Exotic Grassland	0.3
Marsh	Exotic Grassland	CARvir Exotic Grassland	0.1
Marsh	Exotic Grassland	GLYmax Exotic Grassland	0.2
Marsh	Exotic Grassland	Mixed Exotic Grassland	0.2
Marsh	Exotic Herbfield	(CARvir)/=RANfla=-GALpal Exotic Herbfield	0.2
Marsh	Exotic Herbfield	(JUNeff)-(JUNart)/=RANfla= Exotic Herbfield	0.1
Marsh	Exotic Herbfield	(JUNeff)/=RANfla=-_HOLLan_ Exotic Herbfield	0.1
Marsh	Exotic Herbfield	JUNspp-CARvir/_RANfla_-exotic grasses= Exotic Herbfield	0.3
Marsh	Exotic Rushland	(SALfra)/=JUNeff=/_RANfla_-HOLLan Exotic Rushland	0.3
Marsh	Exotic Rushland	DACdac/=JUNeff=/ELEacu-exotic grasses Exotic Rushland	1.7
Marsh	Exotic Shrubland	_LEPsco_-gorse-pampas/_BAUjun_-_APOSim_ Exotic Shrubland	1.8
Marsh	Exotic Vineland	_RUBfru_-CORful-BLEmin/CARsec-CARvir Vineland	0.1
Marsh	Flaxland	_PHOTen_-CARvir-BERgla-CORsel/_HOLLan_-AGRcap Flaxland	0.1
Marsh	Forest	SALcin Forest	1.3
Marsh	Grassland	Grassland	4.4
Marsh	Open Water	AZOfil Open Water	0.4
Marsh	Open Water	Open Water	6.8
Marsh	Rushland	(LEPsco)/=JUNspp.=/AZOfil Rushland	0.6
Marsh	Rushland	JUNgre-JUNeff-ELEacu-PASdis Rushland	0.5
Marsh	Scrub	=SALcin=/_LEPsco_-PHOTen-Pampas/APOSim Scrub	1.5
Marsh	Sedgeland	(SCHtab)/CYPust-_CAREX species/_PASdis_-POLhyd Sedgeland	0.9
Marsh	Shrubland	?	1.0
Marsh	Treeland	_SALcin_- (SALfra)/_CARsec_ Treeland	0.4

Wetland Class	Structural Class	Vegetation	Area (ha)
Shallow Water	Exotic Herbfield	NYMalb Exotic Herbfield	0.1
Shallow Water	Open Water	(ELEsph)-(SCHtab)/ELEacu Open Water	0.3
Shallow Water	Open Water	ELEacu Open Water	0.0
Shallow Water	Open Water	ELEsph Open Water	0.2
Shallow Water	Open Water	ELEsph-BAUart Open Water	2.8
Shallow Water	Open Water	NYMalb Open Water	1.2
Shallow Water	Open Water	Open Water	60.2
Shallow Water	Open Water	SCHtab-(ELEsph)/ELEacu Open Water	0.2
Shallow Water	Open Water	SCHtab/(ELEacu) Open Water	0.3
Shallow Water	Open Water	SCHtab/ELEacu Open Water	0.0
Shallow Water	Reedland	(ELEsph)-SCHtab-(ELEacu) Reedland	0.8
Shallow Water	Reedland	BAUart Reedland	0.3
Shallow Water	Reedland	ELEacu Reedland	0.1
Shallow Water	Reedland	ELEacu-JUNeff-ELEsph-water-POLhyd Reedland	0.2
Shallow Water	Reedland	ELEsph Reedland	1.6
Shallow Water	Reedland	ELEsph-ELEacu Reedland	0.3
Shallow Water	Reedland	SCHtab Reedland	0.6
Shallow Water	Reedland	SCHtab-(ELEsph) Reedland	0.1

Appendix 4 – Wetlands still requiring significance rankings

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Abbot Wetland	Sedgeland	Swamp	1.0	Opotiki
Arahaki Lagoon	Reedland	Fen	5.0	Whirinaki
Ashby Wetland A	Rushland	Swamp	0.7	Kaingaroa
Ashby Wetland A	Open Water	Marsh	0.4	Kaingaroa
Ashby Wetland B	Rushland	Swamp	2.7	Kaingaroa
Ashby Wetland B	Open Water	Swamp	0.1	Kaingaroa
Athenree Settlement Wetlands	Open Water	Swamp	0.3	Tauranga
Awahou Wetland	Exotic Treeland	Swamp	16.5	Rotorua
Awahou Wetland	Exotic Forest	Swamp	6.3	Rotorua
Awakaponga Wildlife Management Reserve Wetlands	?	Swamp	8.2	Te Teko
Beehive Wetland	Reedland	Swamp	0.2	Rotorua
Black Wetland	Exotic Grassland	Swamp	0.2	Opotiki
Black Wetland	Open Water	swamp	0.1	Opotiki
Boyds Bay Wetland (Lake Okareka)	Exotic Forest	Swamp	8.5	Rotorua
Boyds Bay Wetland (Lake Okareka)	Exotic Vineland	Swamp	2.1	Rotorua
Boyds Bay Wetland (Lake Okareka)	Shrubland	Swamp	1.4	Rotorua
Boyds Bay Wetland (Lake Okareka)	Reedland	Swamp	0.6	Rotorua
Boyds Bay Wetland (Lake Okareka)	Treeland	Swamp	0.4	Rotorua
Boyds Bay Wetland (Lake Okareka)	Exotic Treeland	Swamp	0.4	Rotorua
Boyds Bay Wetland (Lake Okareka)	?	None	0.0	Rotorua
Braemar Road Wetland	Forest	Swamp	1.4	Te Teko
Burke Road Wetland	Reedland	Swamp	0.1	Taneatua
Butler Covenant	Shrubland	Swamp	0.2	Opotiki
Carter Holt Harvey Wetlands, Kawerau	?	Swamp	29.2	Rotorua
Charwell Wetland	Exotic Treeland	Swamp	0.5	Otanewainuku
Charwell Wetland	Open Water	Shallow Water	0.4	Otanewainuku
Charwell Wetland	Exotic Herbfield	Swamp	0.3	Otanewainuku
Charwell Wetland	Exotic Grassland	Swamp	0.1	Otanewainuku
Cleary Avenue Wetland	Exotic Grassland	Marsh	0.5	Te Teko
Cleary Avenue Wetland	Exotic Treeland	Swamp	0.3	Te Teko
Cleary Avenue Wetland	Reedland	Swamp	0.1	Te Teko
Coldi Wetland	Forest	Marsh	1.3	Kaingaroa
Coldi Wetland	Treeland	Marsh	0.4	Kaingaroa
Communication Scenic Reserve Wetland	Sedgeland	Swamp	0.3	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Communication Scenic Reserve Wetland	Reedland	Swamp	0.1	Rotorua
Cooper Wetland	Reedland	Swamp	1.3	Opotiki
Cooper Wetland	Exotic Grassland	Swamp	1.1	Opotiki
Cooper Wetland	Open Water	Shallow Water	0.9	Opotiki
Cooper Wetland	Open Water	Swamp	0.3	Opotiki
Cooper Wetland	Exotic Rushland	Swamp	0.2	Opotiki
Copella Road Wetlands	?	Fen	111.6	Otanewainuku
Copella Road Wetlands	?	Fen	9.3	Rotorua
Corner of 8 Mile and Poplar Roads Wet	Sedgeland	Swamp	0.2	Rotorua
Cornwall Road Wetlands	?	None	0.2	Kaingaroo
Craig Wetlands	Reedland	Swamp	2.0	Taneatua
Craig Wetlands	Exotic Grassland	Swamp	0.2	Taneatua
De Graaf Wetland	Reedland	Swamp	0.5	Otanewainuku
De Graaf Wetland	Open Water	Marsh	0.4	Otanewainuku
Deegan Wetland A	Open Water	Swamp	0.2	Te Teko
Deegan Wetland A	Open Water	Swamp	0.1	Taneatua
Deegan Wetland B	Reedland	Swamp	0.4	Taneatua
Deegan Wetland B	Open Water	Swamp	0.4	Taneatua
Deegan Wetland B	Sedgeland	Swamp	0.1	Taneatua
Deegan Wetland C	Reedland	Swamp	0.7	Taneatua
Deegan Wetland D	Shrubland	Fen	0.1	Taneatua
Deegan Wetland D	Shrubland	Fen	0.0	Te Teko
Deegan Wetland E	Open Water	Shallow Water	0.1	Taneatua
Deegan Wetland E	Sedgeland	Swamp	0.0	Taneatua
Dry Creek Wetland	?	Swamp	1.0	Kaingaroo
East Valley Wetlands	Open Water	Swamp	3.5	Rotorua
Edwards Road Wetland	Sedgeland	Swamp	0.9	Kaingaroo
Eivers Wetland	?	Swamp	1.5	Te Teko
Endean Road Wetland	Exotic Rushland	Swamp	0.6	Rotorua
Endean Road Wetland	Reedland	Swamp	0.5	Rotorua
Fell Trust Wetland	Exotic Forest	Swamp	2.5	Kaingaroo
Fell Trust Wetland	Reedland	Swamp	0.2	Kaingaroo
Fell Trust Wetland	Open Water	Swamp	0.1	Kaingaroo
Galatea Road Wetland A	Exotic Forest	Swamp	0.6	Kaingaroo
Galatea Road Wetland A	Exotic Treeland	Swamp	0.4	Kaingaroo

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Galatea Road Wetland A	Flaxland	Swamp	0.3	Kaingaroa
Grant Road Wetland A	Reedland	Swamp	0.5	Kaingaroa
Grant Road Wetland A	Treeland	Swamp	0.2	Kaingaroa
Grant Road Wetland B	Reedland	Swamp	0.7	Kaingaroa
Grassy Creek Lagoon Wetlands	?	Swamp	3.6	Kaingaroa
Hamurana Road Wetland	Exotic Rushland	Marsh	0.3	Rotorua
Hamurana Road Wetland	Exotic Herbfield	Marsh	0.1	Rotorua
Hamurana Road Wetland	Open Water	swamp	0.1	Rotorua
Hamurana Springs Recreation Reserve Wetland	Treefernland	Swamp	0.8	Rotorua
Hamurana Springs Recreation Reserve Wetland	Exotic Rushland	Swamp	0.7	Rotorua
Hamurana Springs Recreation Reserve Wetland	Sedgeland	Swamp	0.2	Rotorua
Hanaia Wetland	Reedland	Swamp	0.9	Opotiki
Hanaia Wetland	Open Water	Shallow Water	0.3	Opotiki
Hanaia Wetland	Open Water	Swamp	0.1	Opotiki
Hanamahihi Wetlands	?	Swamp	0.1	Waimana
Haumurana Stream Wetland	Exotic Forest	Swamp	0.1	Rotorua
Hauone Stream Wetland	?	Swamp	2.1	Otanewainuku
Hickson Wetland	Exotic Rushland	Swamp	0.9	Tauranga
Highlands Road	Exotic Rushland	Swamp	1.8	Rotorua
Highlands Road	Treeland	Swamp	0.4	Rotorua
Highlands Road	Open Water	Swamp	0.2	Rotorua
Highlands Road	Reedland	Swamp	0.1	Rotorua
Hikurangi Wetlands	?	Swamp	0.6	Tauranga
Hinehopu Mire	Shrubland	Fen	9.1	Rotorua
Hinehopu Mire	Forest	Swamp	4.1	Rotorua
Hinkston Wetland	Scrub	Swamp	0.5	Rotorua
Hinkston Wetland	Sedgeland	Swamp	0.1	Rotorua
Hinkston Wetland	?	None	0.0	Rotorua
Hogg Road Wetland A	Open Water	Swamp	0.9	Te Teko
Hogg Road Wetland B	Open Water	Swamp	0.6	Te Teko
Honeywood Wetland	Exotic Grassland	Swamp	1.8	Tauranga
Honeywood Wetland	Exotic Treeland	Swamp	0.4	Tauranga
Honeywood Wetland	Reedland	Swamp	0.2	Tauranga
Howard Wetland	Sedgeland	Swamp	0.5	Otanewainuku
Howard Wetland	Exotic Scrub	Swamp	0.4	Otanewainuku

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Howard Wetland	Reedland	Swamp	0.2	Otawainuku
Howard Wetland	Grassland	Fen	0.0	Otawainuku
Johnstons Wetland	Reedland	Swamp	0.3	Rotorua
Johnstons Wetland	Sedgeland	Swamp	0.1	Rotorua
Jones Wetland	Exotic Grassland	Swamp	0.2	Kaingaroa
Jones Wetland	Open Water	Swamp	0.1	Kaingaroa
Judea Wetland	Open Water	Swamp	0.5	Tauranga
Kaikakahi Bay Wetlands (Lake Okataina)	Sedgeland	Swamp	0.3	Rotorua
Kaikakahi Bay Wetlands (Lake Okataina)	Reedland	Swamp	0.1	Rotorua
Kaikakahi Bay Wetlands (Lake Okataina)	?	None	0.0	Rotorua
Kaiteriria Bay Wetland	Sedgeland	Swamp	0.2	Rotorua
Kaiteriria Bay Wetland	Exotic Rushland	Swamp	0.1	Rotorua
Kaiteriria Bay Wetland	Reedland	Swamp	0.0	Rotorua
Kaiwha Road Wetland	Exotic Treeland	Swamp	6.1	Tauranga
Kaiwha Road Wetland	Reedland	Swamp	2.5	Tauranga
Kanohirua Wetland	Open Water	Swamp	0.7	Ikawhenua
Kapuriki Road Wetlands	Open Water	Swamp	1.1	Kaingaroa
Kariri Point Wetland	Reedland	Swamp	0.2	Rotorua
Kariri Point Wetland	?	None	0.0	Rotorua
Kawerau Pond	Open Water	Swamp	8.8	Rotorua
Kiwi Ranch Wetlands	Open Water	Marsh	1.0	Rotorua
Kiwi Ranch Wetlands	Rushland	Swamp	0.5	Rotorua
Kiwi Ranch Wetlands	Exotic Shrubland	Swamp	0.4	Rotorua
Kiwi Ranch Wetlands	Reedland	Swamp	0.1	Rotorua
Kopuatawhiti Wetlands	Exotic Forest	Swamp	22.6	Te Teko
Korutu Stream Wetlands	Treeland	Swamp	1.4	Kaingaroa
Korutu Stream Wetlands	Sedgeland	Swamp	1.4	Kaingaroa
Korutu Stream Wetlands	Shrubland	Swamp	1.4	Kaingaroa
Korutu Stream Wetlands	Exotic Treeland	Swamp	0.7	Kaingaroa
Korutu Stream Wetlands	Exotic Grassland	Swamp	0.5	Kaingaroa
Kotorenui Road Wetland A	Reedland	Swamp	1.8	Taneatua
Kotorenui Road Wetland B	Reedland	Swamp	0.4	Taneatua
Kotorenui Stream Wetland	Exotic Treeland	Swamp	0.7	Taneatua
Kutarere Farms Wetland	Reedland	Swamp	1.0	Taneatua
Kutarere Farms Wetland	Sedgeland	Swamp	0.1	Taneatua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Lake Aniwhenua Wetlands	?	Marsh	131.7	Kaingaroa
Lake Ngawhero Wetlands	Scrub	Swamp	7.2	Rotorua
Lake Ngawhero Wetlands	Open Water	Shallow Water	4.3	Rotorua
Lake Ngawhero Wetlands	Exotic Forest	Swamp	1.4	Rotorua
Lake Ngawhero Wetlands	?	None	0.0	Rotorua
Lake Okareka Northern Margin Wetland	Reedland	Swamp	0.4	Rotorua
Lake Okareka Northern Margin Wetland	Exotic Forest	Swamp	0.3	Rotorua
Lake Okaro Constructed Wetland	Open Water	Swamp	4.0	Rotorua
Lake Okataina Road Wetland	?	Swamp	3.3	Rotorua
Lake Otumahi Wetlands	?	Swamp	3.6	Te Teko
Lake Otumahi Wetlands	?	Swamp	0.7	Taneatua
Lake Otumahi Wetlands	?	Swamp	0.4	Kaingaroa
Lake Pupuwharau Wetlands	?	Swamp	11.0	Te Teko
Lake Rotoatua Wetlands	Reedland	Swamp	0.4	Rotorua
Lake Rotoehu Scenic Reserve Wetlands A	Reedland	Swamp	1.7	Rotorua
Lake Rotoehu Scenic Reserve Wetlands A	Reedland	Shallow Water	0.5	Rotorua
Lake Rotoehu Scenic Reserve Wetlands A	Scrub	Swamp	0.2	Rotorua
Lake Rotoehu Scenic Reserve Wetlands A	Exotic Grassland	Swamp	0.1	Rotorua
Lake Rotoehu Scenic Reserve Wetlands A	?	None	0.0	Rotorua
Lake Rotoehu Scenic Reserve Wetlands B	Reedland	Swamp	3.3	Otanewainuku
Lake Rotoehu Scenic Reserve Wetlands B	Reedland	Swamp	1.2	Rotorua
Lake Rotoehu Scenic Reserve Wetlands B	Scrub	Swamp	0.7	Rotorua
Lake Rotoehu Scenic Reserve Wetlands B	Exotic Grassland	Swamp	0.2	Otanewainuku
Lake Rotoehu Scenic Reserve Wetlands B	Open Water	Swamp	0.1	Otanewainuku
Lake Rotoehu Scenic Reserve Wetlands B	?	None	0.0	Otanewainuku
Lake Rotoehu Scenic Reserve Wetlands B	?	None	0.0	Rotorua
Lake Rotokawa	Shrubland	Swamp	0.9	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Lake Rotomahana Wetlands	Exotic Treeland	Swamp	51.7	Rotorua
Lake Rotomahana Wetlands	Sedgeland	Swamp	4.3	Rotorua
Lake Rotomahana Wetlands	Reedland	Swamp	3.3	Rotorua
Lake Rotomahana Wetlands	Open Water	Swamp	2.0	Rotorua
Lake Rotomahana Wetlands	Exotic Shrubland	Swamp	0.8	Rotorua
Lake Rotomahana Wetlands	Exotic Forest	Swamp	0.5	Rotorua
Lake Rotomahana Wetlands	Open Water	Shallow Water	0.1	Rotorua
Lake Rotomahana Wetlands	?	None	0.0	Rotorua
Lake Rotongata Wetlands	Reedland	Swamp	1.1	Rotorua
Lake Rotongata Wetlands	Shrubland	Swamp	0.7	Rotorua
Lake Rotongata Wetlands	Open Water	Shallow Water	0.7	Rotorua
Lake Rotongata Wetlands (Kaharoa)	?	Swamp	1.6	Otanewainuku
Lake Tahuna Wetland (Tahuna- Putauaki)	Reedland	Swamp	39.4	Kaingaroa
Lake Tahuna Wetland (Tahuna- Putauaki)	Reedland	Swamp	4.9	Te Teko
Lake Taikehu Wetlands	Open Water	Swamp	5.3	Kaingaroa
Lake Tamurenui Wildlife Management Reserve Wetlands	Open Water	Swamp	8.0	Te Teko
Lake Tarawera Outlet Wetland	Grassland	Marsh	4.4	Rotorua
Lake Tarawera Outlet Wetland	Scrub	Swamp	0.9	Rotorua
Lake Tarawera Outlet Wetland	Reedland	Swamp	0.3	Rotorua
Lake Tarawera Outlet Wetland	Sedgeland	Swamp	0.2	Rotorua
Lake Tarawera Wetlands B	Reedland	Swamp	0.2	Rotorua
Lake Tarawera Wetlands B	?	None	0.0	Rotorua
Lake Tarawera Wetlands C	Reedland	Swamp	0.8	Rotorua
Lake Tarawera Wetlands C	?	None	0.0	Rotorua
Lake Tarawera Wetlands D	Reedland	Swamp	1.0	Rotorua
Lake Tarawera Wetlands D	Sedgeland	Swamp	0.8	Rotorua
Lake Te Rotoroniu Wetlands	Open Water	Shallow Water	0.2	Rotorua
Lake Tikitapu A-Lake Tikitapu B wetland	Reedland	Swamp	0.9	Rotorua
Lake Tikitapu A-Lake Tikitapu B wetland	?	None	0.0	Rotorua
Lamberts Wetland	?	Swamp	10.8	Te Teko
Lamberts Wetland	?	Swamp	7.0	Kaingaroa
Little Swamp	?	Swamp	1.3	Motu
Long Drive Wetland A	?	Swamp	2.5	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Long Drive Wetland B	Sedgeland	Swamp	0.1	Rotorua
Longridge Wetland	Treeland	Swamp	0.3	Tauranga
Longridge Wetland	Open Water	Swamp	0.2	Tauranga
Lower Mangatiti Stream Wetlands	?	Swamp	2.2	Kaingaroa
Macbeth Wetland	Exotic Forest	Swamp	0.4	Otanewainuku
Macbeth Wetland	Open Water	Swamp	0.3	Otanewainuku
Macbeth Wetland	Exotic Treeland	Swamp	0.2	Otanewainuku
Makatiti Wetland	Open Water	Swamp	0.1	Rotorua
Makeo Wetlands	Treeland	Swamp	2.0	Motu
Mangakino Stream Wetland	Reedland	Swamp	4.4	Rotorua
Mangakino Stream Wetland	Exotic Treeland	Swamp	1.9	Rotorua
Mangakino Stream Wetland	Exotic Forest	Swamp	1.3	Rotorua
Mangakino Stream Wetland	?	None	0.0	Rotorua
Mangaone Stream Wetlands	?	Swamp	4.8	Te Teko
Mangaputa Wetland	Shrubland	Fen	0.2	Otanewainuku
Mangatawa Wetland	Forest	Swamp	2.4	Tauranga
Mangatawa Wetland	Sedgeland	Swamp	0.9	Tauranga
Mangatawa Wetland	Reedland	Swamp	0.1	Tauranga
Mangate Stream Wetlands	Reedland	Swamp	22.3	Kaingaroa
Mangate Stream Wetlands	?	None	1.5	Kaingaroa
Mangatoetoe Stream Wetland	?	Swamp	2.2	Taneatua
Mangatutara Wetland	Reedland	Swamp	0.3	Motu
Mangorewa Forest (Southern Outlier) Wetlands	?	Swamp	9.7	Otanewainuku
Mangorewa/Kaharoa Z Block Wetland	Exotic Forest	Swamp	9.5	Rotorua
Mangorewa/Kaharoa Z Block Wetland	Exotic Treeland	Swamp	1.7	Rotorua
Maraenui Wetland	?	None	4.4	Motu
Maraetotara Road Wetland A	Exotic Treeland	Swamp	1.0	Taneatua
Maraetotara Wetland B	Sedgeland	Swamp	1.0	Taneatua
Maraetotara Wetland B	Treeland	Swamp	0.4	Taneatua
Marawaiwai Wetland	?	Swamp	0.2	Opotiki
Matahi Lagoon	Open Water	Shallow Water	4.0	Rotorua
Matahi Lagoon	Reedland	Swamp	3.0	Rotorua
Matahi Lagoon	Exotic Forest	Swamp	2.3	Rotorua
Matahi Lagoon	Scrub	Swamp	2.2	Rotorua
Matahi Lagoon	Reedland	Shallow Water	1.2	Rotorua
Matamanu Wetlands	?	Swamp	3.1	Otanewainuku

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Matawhaura Wetland	Reedland	Swamp	0.7	Rotorua
Matawhaura Wetland	Shrubland	Swamp	0.6	Rotorua
Matawhaura Wetland	Open Water	Marsh	0.2	Rotorua
Mathis Wetland	Exotic Treeland	Swamp	0.5	Kaingarua
Mathis Wetland	Sedgeland	Swamp	0.5	Kaingarua
Mathis Wetland	Reedland	Swamp	0.2	Kaingarua
Maxwell Farms Wetland	Sedgeland	Swamp	0.7	Kaingarua
McKinney Stream Wetland	Sedgeland	Swamp	4.3	Tauranga
McLaren Falls Park Wetlands	?	Swamp	0.7	Otnewainuku
McLaren Lake Wetlands	?	Swamp	0.5	Otnewainuku
Melville Swamp Maire Forest	Forest	Swamp	0.2	Taneatua
Millar Road Pond	Reedland	Swamp	4.8	Rotorua
Millar Road Pond	Exotic Treeland	Swamp	0.4	Rotorua
Motiti Wetland East	Exotic Grassland	Swamp	1.5	Motiti
Murupara Landfill Wetland	Exotic Treeland	Swamp	0.9	Kaingarua
Needham Ponds Wetland	?	Swamp	2.4	Kaingarua
Ngahuinga Crossing Wetlands	Exotic Treeland	Swamp	1.4	Kaingarua
Ngahuinga Crossing Wetlands	Reedland	Swamp	0.7	Kaingarua
Ngakaroa Stream Wetland	?	Swamp	5.3	Kaingarua
Ngapuna Wetlands	Forest	Swamp	8.1	Rotorua
Ngapuna Wetlands	Exotic Grassland	Swamp	2.5	Rotorua
Ngarue Road Wetland	?	Swamp	6.5	Pukeamaru
Ngarue Road Wetland A	Reedland	Swamp	2.0	Pukeamaru
Ngarue Road Wetland B	Reedland	Swamp	1.4	Pukeamaru
Ngati Awa Wetland A	Reedland	Swamp	0.5	Taneatua
Ngati Awa Wetland B	Sedgeland	Swamp	0.3	Taneatua
Ngati Awa Wetland C	Sedgeland	Swamp	1.0	Taneatua
Ngongotaha Railway Kahikatea	Forest	Swamp	3.4	Rotorua
Nursery Road Wetland	?	Swamp	0.3	Rotorua
Ohakiri Stream Wetland	Reedland	Swamp	2.0	Kaingarua
Ohakiri Stream Wetland	Sedgeland	Swamp	0.5	Kaingarua
Ohakiri Stream Wetland	?	None	0.1	Kaingarua
Ohau Channel Wetland	Exotic Forest	Swamp	25.1	Rotorua
Ohau Channel Wetland	Open Water	Shallow Water	3.7	Rotorua
Ohau Channel Wetland	Reedland	Swamp	0.5	Rotorua
Ohineuia Stream Wetland A	Flaxland	Swamp	3.3	Rotorua
Ohineuia Stream Wetland A	Sedgeland	Swamp	0.9	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Ohineuia Stream Wetland B	Exotic Grassland	Swamp	0.5	Rotorua
Ohineuia Stream Wetland B	Flaxland	Swamp	0.3	Rotorua
Ohineuia Stream Wetland B	Open Water	Swamp	0.3	Rotorua
Okareka A	Reedland	Swamp	0.8	Rotorua
Okareka A	Open Water	Shallow Water	0.1	Rotorua
Okareka A	?	None	0.0	Rotorua
Okareka B	Reedland	Swamp	0.1	Rotorua
Okaro A	Reedland	Swamp	0.2	Rotorua
Okaro A	?	None	0.0	Rotorua
Okaro Road Wetland	Rushland	Swamp	0.6	Rotorua
Okaro Road Wetland	Sedgeland	Swamp	0.5	Rotorua
Okaro Road Wetland	Open Water	Swamp	0.1	Rotorua
Okataina A	Reedland	Swamp	1.0	Rotorua
Okataina A	Grassland	Swamp	0.2	Rotorua
Okawa Bay Wetland	Reedland	Swamp	0.1	Rotorua
Okawa Bay Wetland	?	None	0.0	Rotorua
Okere Arm Wetlands (Lake Rotoiti)	Reedland	Swamp	1.8	Rotorua
Okere Arm Wetlands (Lake Rotoiti)	Treeland	Swamp	0.9	Rotorua
Okere Arm Wetlands (Lake Rotoiti)	?	None	0.0	Rotorua
Okikimoke Point Wetlands	Treeland	Swamp	2.9	Tauranga
Omahota Bay Wetland	Reedland	Swamp	2.4	Rotorua
Omahota Bay Wetland	Exotic Grassland	Swamp	1.3	Rotorua
Omahota Bay Wetland	?	None	0.0	Rotorua
Omarumutu Marae Wetlands	Reedland	Swamp	0.6	Opotiki
Omarumutu Road Wetland	Exotic Treeland	Swamp	1.0	Opotiki
Omarumutu Road Wetland	Reedland	Swamp	0.3	Opotiki
Omarumutu Road Wetland B	Exotic rushland	Swamp	2.6	Opotiki
Onekawa Wetland	Reedland	Swamp	0.2	Taneatua
Onekawa Wetland	Reedland	Swamp	0.1	Opotiki
Onekawa Wetland	Open Water	Marsh	0.0	Taneatua
Onerahi Wetland B	Exotic Forest	Swamp	1.5	Kaingaroa
Onewhero Lagoon	Open Water	Shallow Water	8.7	Rotorua
Onewhero Lagoon	Scrub	Swamp	5.4	Rotorua
Opape Wetland	Reedland	Swamp	0.3	Opotiki
Oponae Headwater Wetlands	Treeland	Swamp	14.5	Waioeka
Orini Wildlife Management Reserve Wetlands	?	Swamp	4.0	Te Teko

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Oropi Forest Wetland	?	Swamp	5.1	Otawainuku
Oruaiti Wetland	Reedland	Swamp	1.8	Pukeamaru
Oruaroa Point Wetlands (Lake Okataina)	Reedland	Swamp	1.2	Rotorua
Oruaroa Point Wetlands (Lake Okataina)	Shrubland	Swamp	0.1	Rotorua
Oruaroa Point Wetlands (Lake Okataina)	?	None	0.0	Rotorua
Otamaroa Wetlands	Exotic Grassland	Swamp	0.7	Pukeamaru
Otamatea Mire	Shrubland	Swamp	27.4	Kaingaroo
Otamatea Swamp	Scrub	Fen	5.9	Kaingaroo
Otanemutu Wetland	?	Swamp	4.6	Opotiki
Otangimoana Wetlands	?	Swamp	0.7	Kaingaroo
Otauira (Hannahs Bay) Wetland	Exotic Treeland	Swamp	11.3	Rotorua
Otautau Bay Wetlands (Lake Rotoehu)	Reedland	Swamp	1.1	Rotorua
Otautau Bay Wetlands (Lake Rotoehu)	Scrub	Swamp	0.7	Rotorua
Otautau Bay Wetlands (Lake Rotoehu)	Shrubland	Swamp	0.2	Rotorua
Otautau Bay Wetlands (Lake Rotoehu)	Open Water	Shallow Water	0.2	Rotorua
Otautau Bay Wetlands (Lake Rotoehu)	?	None	0.0	Rotorua
Otuaroa Road Junction	Scrub	Swamp	6.8	Rotorua
Otuaroa Road Wetland	?	None	3.5	Otawainuku
Otueta Stream Wetlands	?	Fen	2.6	Whirinaki
Otupiri Stream Wetlands	?	Swamp	0.2	Kaingaroo
Oturoa Wetland	Open Water	Marsh	0.2	Rotorua
Oturoa Wetland	Exotic Herbfield	Marsh	0.1	Rotorua
Ouaki Creek Wetlands	Forest	Swamp	0.3	Taneatua
Owhakatoro Road Swamp	?	Swamp	14.5	Taneatua
Owhakatoro Wetland A	Reedland	Swamp	0.9	Taneatua
Owhakatoro Wetland A	Exotic Treeland	Swamp	0.7	Taneatua
Owhakatoro Wetland A	Exotic Forest	Swamp	0.2	Taneatua
Owhakatoro Wetland B	Exotic Forest	Swamp	1.3	Taneatua
Owhatiura Wetland	Reedland	Swamp	0.8	Rotorua
Owhatiura Wetland	Shrubland	Swamp	0.4	Rotorua
Pahekepeke Road Wetland	?	Swamp	3.0	Kaingaroo
Pakahu Stream Wetland	Reedland	Swamp	0.1	Rotorua
Papanui Road Swamp	Reedland	Swamp	0.5	Opotiki
Papanui Road Wetlands	?	Swamp	0.0	Taneatua
Paparoa Road Wetlands	Reedland	Swamp	0.9	Taneatua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Paparoa Road Wetlands	Grassland	Fen	0.7	Taneatua
Paparoa Road Wetlands	Scrub	Swamp	0.6	Taneatua
Paparoa Road Wetlands	Open Water	Marsh	0.1	Taneatua
Paradise Valley Road Wetlands	Open Water	Swamp	1.1	Rotorua
Paradise Valley Road Wetlands	Exotic Treeland	Swamp	0.7	Rotorua
Parimahana Extension Wetland	?	Swamp	5.2	Rotorua
Parimahana Extension Wetland	?	Swamp	0.3	Te Teko
Parimata Bay Wetlands (Lake Okataina)	Grassland	Fen	0.1	Rotorua
Parimata Bay Wetlands (Lake Okataina)	Reedland	Swamp	0.0	Rotorua
Park Road Wetland	?	Swamp	1.9	Kaingaroa
Paterson Wetland	Open Water	Fen	0.1	Te Teko
Patiti Island Wetland	Reedland	Shallow Water	0.1	Rotorua
Patiti Island Wetland	?	None	0.1	Rotorua
Patiti Island Wetland	Reedland	Swamp	0.1	Rotorua
Phillips Wetland	Open Water	Marsh	0.8	Otanewainuku
Phillips Wetland	Reedland	Swamp	0.5	Otanewainuku
Phillips Wetland	Exotic Treeland	Swamp	0.3	Otanewainuku
Phillips Wetland	Reedland	Swamp	0.0	Tauranga
Pikowai Wetlands	?	Swamp	23.8	Otanewainuku
Playne Wetland	Exotic Grassland	Swamp	5.2	Rotorua
Playne Wetland	Open Water	Swamp	2.3	Rotorua
Playne Wetland	Reedland	Swamp	2.1	Rotorua
Playne Wetland	Open Water	Shallow Water	1.2	Rotorua
Playne Wetland	Shrubland	Swamp	0.1	Rotorua
Plot Road Wetland	?	Fen	14.6	Whirinaki
Pohaturoa and Bakers Hollow Road Wetland	Exotic Treeland	Swamp	0.2	Rotorua
Pohaturoa Road Wetland	?	Swamp	0.2	Rotorua
Pokairoa Road Wetlands A	Treeland	Swamp	35.9	Kaingaroa
Pokairoa Road Wetlands B	?	Swamp	14.6	Kaingaroa
Pokairoa Stream Wetlands	?	Swamp	1.0	Kaingaroa
Pokerikeri I	Exotic Grassland	Swamp	0.3	Otanewainuku
Pokerikeri I	Shrubland	Swamp	0.3	Otanewainuku
Pokerikeri I	Open Water	Swamp	0.1	Otanewainuku
Poplar Avenue Wetland A	?	Swamp	0.4	Rotorua
Poplar Avenue Wetland B	Reedland	Swamp	0.7	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Pukahu Stream Wetland	Sedgeland	Swamp	0.0	Rotorua
Pungarehu Stream Wetlands	?	Swamp	0.7	Otanewainuku
Putauaki Crater Lake Wetland	Open Water	Shallow Water	0.5	Kaingaroa
Ranginui Road Wetlands	Forest	Swamp	0.6	Tauranga
Rangitaiki Conservation Area Wetlands	?	Fen	145.0	Kaingaroa
Rangitaiki River Marginal Strip (Wheao) Wetlands	?	Swamp	0.1	Kaingaroa
Rangitaiki River Wetland (Ngapuketuru Rd to Kiorenu Rd)	?	Swamp	0.1	Kaingaroa
Rangitaiki River Wetlands	?	Swamp	78.2	Kaingaroa
Rangitaiki Side Stream (Kiorenu Rd) Wetlands	?	Swamp	0.6	Kaingaroa
Raroa-Matatare Wetlands	?	None	7.0	Taneatua
Redpath Wetland A	Open Water	Marsh	0.4	Waioeka
Redpath Wetland A	Reedland	Swamp	0.1	Waioeka
Redpath Wetland B	Reedland	Swamp	0.8	Waioeka
Reeves Wetland A	Sedgeland	Swamp	0.1	Opotiki
Reeves Wetland A	Open Water	Marsh	0.0	Opotiki
Reeves Wetland B	Exotic Rushland	Swamp	0.1	Taneatua
Reid Wetlands	?	Swamp	0.1	Taneatua
Reids Central Canal Island Wetland	Reedland	Swamp	1.5	Te Teko
Rerewhakaaitu D	Reedland	Swamp	0.7	Rotorua
Rerewhakaaitu E	Exotic Treeland	Swamp	0.7	Rotorua
Rerewhakaaitu E	Exotic Shrubland	Swamp	0.7	Rotorua
Rerewhakaaitu F	Exotic Forest	Swamp	29.1	Rotorua
Rerewhakaaitu F	Shrubland	Swamp	13.0	Rotorua
Rerewhakaaitu F	Reedland	Swamp	10.8	Rotorua
Rerewhakaaitu F	Exotic Shrubland	Swamp	8.9	Rotorua
Rerewhakaaitu F	Open Water	Swamp	6.0	Rotorua
Rerewhakaaitu F	Exotic Treeland	Swamp	3.5	Rotorua
Rerewhakaaitu F	Rushland	Swamp	3.2	Rotorua
Rerewhakaaitu F	?	None	0.0	Rotorua
Rerewhakaaitu G	Reedland	Swamp	0.7	Rotorua
Rerewhakaaitu H	Shrubland	Swamp	2.2	Rotorua
Rerewhakaaitu H	Open Water	Swamp	1.6	Rotorua
Rerewhakaaitu H	Reedland	Swamp	1.0	Rotorua
Rerewhakaaitu I	Reedland	Swamp	0.1	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Rerewhakaaitu J	Rushland	Swamp	0.0	Rotorua
Rerewhakaaitu E	Open Water	Shallow Water	2.4	Rotorua
Rerewhakaaitu E	Reedland	Swamp	0.0	Rotorua
Reservoir Road Wetland	?	Swamp	2.6	Rotorua
Rewatu Road Wetland A	Exotic Grassland	Swamp	2.5	Te Teko
Rewatu Road Wetland A	Open Water	Shallow Water	0.5	Te Teko
Rewi Covenant	?	Swamp	2.8	Whirinaki
Rewi Wetland	Reedland	Swamp	0.4	Whirinaki
Rewi Wetland	Sedgeland	Swamp	0.1	Whirinaki
Richardson's Wetland	Exotic Forest	Swamp	1.8	Te Teko
Riddell Wetlands	Treeland	Swamp	2.0	Rotorua
Riddell Wetlands	Exotic Forest	Swamp	1.4	Rotorua
Riddell Wetlands	Exotic Treeland	Swamp	0.3	Rotorua
Riddell Wetlands	Open Water	Swamp	0.3	Rotorua
Riddell Wetlands	Reedland	Swamp	0.2	Rotorua
Ridge Road Wetland	Shrubland	Swamp	0.2	Kaingaroa
Rotoehu A	Scrub	Swamp	2.5	Rotorua
Rotoehu A	Exotic Scrub	Swamp	0.4	Rotorua
Rotoehu A	?	None	0.0	Rotorua
Rotoehu C	?	None	0.0	Rotorua
Rotoehu D	Scrub	Swamp	0.3	Rotorua
Rotoehu E	Flaxland	Swamp	0.1	Rotorua
Rotoehu Wetland	Exotic Forest	Swamp	7.4	Rotorua
Rotoehu Wetland	Exotic Treeland	Swamp	2.9	Rotorua
Rotoehu Wetland	Reedland	Swamp	1.1	Rotorua
Rotoehu Wetland	Exotic Grassland	Swamp	0.8	Rotorua
Rotoehu Wetland	Exotic Vineland	Swamp	0.8	Rotorua
Rotoehu Wetland	Exotic Herbfield	Swamp	0.0	Rotorua
Rotoiti A	Reedland	Swamp	0.1	Rotorua
Rotoiti B	Reedland	Swamp	0.1	Rotorua
Rotoiti B	Exotic Herbfield	Swamp	0.1	Rotorua
Rotoiti B	Scrub	Swamp	0.1	Rotorua
Rotoiti B	?	None	0.0	Rotorua
Rotoiti E	Flaxland	Swamp	0.1	Rotorua
Rotoiti E	Forest	Swamp	0.1	Rotorua
Rotoiti E	?	None	0.1	Rotorua
Rotoiti F	Treeland	Swamp	0.4	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Rotoiti F	Rushland	Swamp	0.2	Rotorua
Rotoiti Forest Wetlands	?	Swamp	3.1	Rotorua
Rotoiti G	Scrub	Swamp	0.3	Otanewainuku
Rotoiti G	?	None	0.1	Otanewainuku
Rotoiti H	Reedland	Swamp	0.0	Rotorua
Rotoiti I	?	None	0.0	Rotorua
Rotokakahi A	Reedland	Swamp	0.1	Rotorua
Rotokakahi B	Reedland	Swamp	0.1	Rotorua
Rotokakahi B	?	None	0.0	Rotorua
Rotokakahi C	Reedland	Swamp	0.3	Rotorua
Rotokakahi C	?	None	0.0	Rotorua
Rotokakahi D	Exotic Forest	Swamp	1.1	Rotorua
Rotokakahi D	Reedland	Swamp	0.4	Rotorua
Rotokakahi E	Reedland	Swamp	1.2	Rotorua
Rotokakahi E	?	None	0.0	Rotorua
Rotokakahi F	Reedland	Swamp	0.1	Rotorua
Rotokakahi F	?	None	0.0	Rotorua
Rotoma A	Reedland	Swamp	0.4	Rotorua
Rotoma A	Reedland	Shallow Water	0.3	Rotorua
Rotoma A	?	None	0.0	Rotorua
Rotoma B	Scrub	Swamp	1.0	Rotorua
Rotoma B	Reedland	Swamp	0.4	Rotorua
Rotoma C	Reedland	Swamp	0.1	Rotorua
Rotoma C	?	None	0.0	Rotorua
Rotoma E	Reedland	swamp	0.1	Rotorua
Rotoma F	Reedland	Shallow Water	0.7	Rotorua
Rotoma F	Reedland	Swamp	0.3	Rotorua
Rotoma G	Exotic Herbfield	Swamp	0.3	Rotorua
Rotoma Recreation Reserve Extension	Forest	Swamp	0.9	Rotorua
Rotoma Recreation Reserve Extension	Treeland	Swamp	0.4	Rotorua
Rotoma Recreation Reserve Extension	Reedland	Swamp	0.1	Rotorua
Rotomahana A	Reedland	Swamp	0.4	Rotorua
Rotomahana A	Deep Water	None	0.2	Rotorua
Rotomahana A	?	None	0.0	Rotorua
Rotomahana B	Open Water	Shallow Water	0.5	Rotorua
Rotomahana B	?	None	0.0	Rotorua
Rotomahana C	Reedland	Swamp	0.1	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Rotomahana C	Open Water	Shallow Water	0.0	Rotorua
Rotomahana C	?	None	0.0	Rotorua
Rotomahana D	Reedland	Swamp	0.1	Rotorua
Rotomahana E	?	None	0.0	Rotorua
Rotomahana F	Reedland	Swamp	0.2	Rotorua
Rotomahana G	Exotic Treeland	Swamp	5.9	Rotorua
Rotomahana G	Open Water	Shallow Water	0.6	Rotorua
Rotomahana G	Reedland	Swamp	0.5	Rotorua
Rotomahana G	Reedland	Shallow Water	0.1	Rotorua
Rotomahana G	Open Water	Swamp	0.1	Rotorua
Rotomahana H	Reedland	Swamp	0.0	Rotorua
Rotomahana H	?	None	0.0	Rotorua
Rotomahana I	Reedland	Swamp	6.3	Rotorua
Rotomahana I	Shrubland	Swamp	1.0	Rotorua
Rotomahana I	Open Water	Shallow Water	0.6	Rotorua
Rotomahana I	Forest	Swamp	0.2	Rotorua
Rotomahana I	?	None	0.0	Rotorua
Rotomahana Ponds	Open Water	Swamp	1.8	Rotorua
Rotomahana Protective Covenant Wetland	?	Swamp	2.7	Rotorua
Rotorua A	Reedland	Swamp	0.1	Rotorua
Rotorua B	Exotic Treeland	Swamp	3.9	Rotorua
Rotorua C	Exotic Forest	Swamp	6.5	Rotorua
Rotorua D	Reedland	Swamp	0.4	Rotorua
Rotorua D	Forest	Swamp	0.2	Rotorua
Rotorua E	?	None	0.0	Rotorua
Rotorua F	?	None	0.0	Rotorua
Rotorua G	Forest	Swamp	6.6	Rotorua
Rotorua G	Exotic Grassland	Swamp	1.6	Rotorua
Rotorua G	Exotic Vineland	Swamp	0.3	Rotorua
Rotorua G	Sedgeland	Swamp	0.3	Rotorua
Ruanui Wetland	Exotic Rushland	Swamp	0.2	Otawhenua
Ruanui Wetland	Open Water	Marsh	0.1	Otawhenua
Ruanui Wetland	Reedland	Swamp	0.0	Otawhenua
Ruatahuna Wetland	Exotic Grassland	Swamp	0.9	Ikawhenua
Seacliffs Wetland	Sedgeland	Marsh	0.9	Motiti
Seacliffs Wetland	Sedgeland	Marsh	0.4	Motiti

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Seacliffs Wetland	Sedgeland	Marsh	0.3	Motiti
Sisam Wetland F	Open Water	Swamp	0.4	Taneatua
Sisam Wetland F	Sedgeland	Swamp	0.3	Taneatua
Sisam Wetland G	Sedgeland	Swamp	4.4	Taneatua
Sisam Wetland G	Reedland	Swamp	2.7	Taneatua
Sisam Wetland H	Reedland	Swamp	1.4	Taneatua
Sisam Wetland I	Reedland	Swamp	1.8	Taneatua
Sisam Wetland J	Exotic Treeland	Swamp	2.2	Taneatua
Sisam Wetland J	Reedland	Swamp	1.2	Taneatua
Tahuna Road Wetland	Exotic Treeland	Swamp	1.1	Te Teko
Tahuna Road Wetland A	Exotic Treeland	Swamp	2.0	Te Teko
Tahuna Road Wetland A	Exotic Grassland	Swamp	0.7	Te Teko
Tahuna Road Wetland A	Open Water	Swamp	0.2	Te Teko
Tahuna Road Wetland B	Exotic Treeland	Swamp	3.5	Te Teko
Tapanuau Point Wetland	?	None	0.0	Rotorua
Tarawera A	Reedland	Swamp	0.3	Rotorua
Tarawera A	Treeland	Swamp	0.2	Rotorua
Tarawera A	?	None	0.0	Rotorua
Tarawera C	Reedland	Swamp	0.2	Rotorua
Tarawera D	Reedland	Swamp	0.1	Rotorua
Tarawera E	Reedland	Swamp	0.1	Rotorua
Tarawera F	Reedland	Swamp	0.0	Rotorua
Tarawera F	?	None	0.0	Rotorua
Tarawera G	Reedland	Swamp	0.4	Rotorua
Tarawera G	unknown	Marsh	0.4	Rotorua
Tarawera G	?	None	0.0	Rotorua
Tarawera H	Reedland	Swamp	0.1	Rotorua
Tarawera I	Reedland	Swamp	0.1	Rotorua
Tarawera J	Scrub	Swamp	0.2	Rotorua
Tarawera J	Reedland	Swamp	0.0	Rotorua
Tarawera K	Reedland	Swamp	0.4	Rotorua
Tarawera K	Scrub	Swamp	0.1	Rotorua
Tarawera K	Sedgeland	Swamp	0.1	Rotorua
Tarawera L	Reedland	Swamp	0.2	Rotorua
Tarawera M	Reedland	Swamp	0.3	Rotorua
Tarawera M	Sedgeland	Swamp	0.1	Rotorua
Tarawera N	Reedland	Swamp	0.3	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Tarawera N	Grassland	Swamp	0.2	Rotorua
Tarawera River Wetlands A	?	Swamp	0.9	Te Teko
Tarawera River Wetlands B	Forest	Swamp	2.3	Te Teko
Tarawera Road Wetland (Kawerau)	Open Water	Swamp	2.9	Te Teko
Tauranga Direct Road Wetland	Exotic Herbfield	Swamp	0.4	Rotorua
Tauranga Direct Road Wetland	Open Water	Swamp	0.3	Rotorua
Tauwharemanuka Wetlands	?	Swamp	0.4	Waimana
Te Arero Bay Wetland	?	None	0.6	Otawainuku
Te Arero Bay Wetland	Reedland	Swamp	0.4	Otawainuku
Te Arero Bay Wetland	Treeland	Swamp	0.4	Otawainuku
Te Kairere Wetland	?	Swamp	4.0	Taneatua
Te Kakaha Wetland	Reedland	Swamp	3.5	Opotiki
Te Karaka Bay Wetland	Scrub	Swamp	1.8	Otawainuku
Te Karaka Bay Wetland	Exotic Treeland	Swamp	0.2	Otawainuku
Te Karaka Bay Wetland B	Exotic Treeland	Swamp	0.4	Otawainuku
Te Karaka Bay Wetland B	Shrubland	Swamp	0.1	Otawainuku
Te Karaka Bay Wetland B	Reedland	Swamp	0.0	Otawainuku
Te Ngae Kahikatea Wetlands	Treeland	Swamp	10.7	Rotorua
Te Ngae Kahikatea Wetlands	Forest	Swamp	6.5	Rotorua
Te Ngae Kahikatea Wetlands	Shrubland	Swamp	1.2	Rotorua
Te Ngae Recreation Reserve Wetlands	Forest	Swamp	11.1	Rotorua
Te Pareoterawahirua Wetland	?	Swamp	1.4	Otawainuku
Te Piki Wetland	Reedland	Swamp	7.4	Pukeamaru
Te Piki Wetland	Sedgeland	Swamp	2.6	Pukeamaru
Te Piki Wetland A	Reedland	Swamp	1.8	Pukeamaru
Te Pohue Bay Wetlands (Lake Rotoehu)	Exotic Treeland	Swamp	3.0	Rotorua
Te Pohue Bay Wetlands (Lake Rotoehu)	Reedland	Swamp	0.9	Rotorua
Te Pohue Bay Wetlands (Lake Rotoehu)	Forest	Swamp	0.6	Rotorua
Te Pohue Bay Wetlands (Lake Rotoehu)	Scrub	Swamp	0.5	Rotorua
Te Pohue Bay Wetlands (Lake Rotoehu)	Treeland	Swamp	0.3	Rotorua
Te Pohue Bay Wetlands (Lake Rotoehu)	Reedland	Shallow Water	0.2	Rotorua
Te Pohue Bay Wetlands (Lake Rotoehu)	Open Water	Swamp	0.1	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Te Pohue Bay Wetlands (Lake Rotoehu)	?	None	0.0	Rotorua
Te Pohue Wetlands	?	Swamp	0.7	Whirinaki
Te Pu Wetlands	Rushland	Swamp	0.4	Otanewainuku
Te Pu Wetlands	Open Water	Swamp	0.2	Otanewainuku
Te Pu Wetlands	Reedland	Swamp	0.2	Otanewainuku
Te Pu Wetlands	Treeland	Swamp	0.0	Otanewainuku
Te Ranginui Swamp	Forest	Swamp	3.6	Pukeamaru
Te Ti Bay Wetlands	Scrub	Swamp	3.0	Rotorua
Te Ti Bay Wetlands	Exotic Grassland	Swamp	1.7	Rotorua
Te Ti Bay Wetlands	Treeland	Swamp	1.0	Rotorua
Te Ti Bay Wetlands	Treefernland	Swamp	0.7	Rotorua
Te Ti Bay Wetlands	Exotic Forest	Swamp	0.3	Rotorua
Te Ti Bay Wetlands	Exotic Herbfield	Shallow Water	0.1	Rotorua
Te Ti Bay Wetlands	Reedland	Swamp	0.1	Rotorua
Te Waerenga Road Wetland A	Exotic Herbfield	Marsh	0.3	Otanewainuku
Te Waerenga Road Wetland B	Open Water	Marsh	0.2	Otanewainuku
Te Waerenga Road Wetland B	Exotic Vineland	Marsh	0.1	Otanewainuku
Te Waerenga Road Wetland C	Sedgeland	Swamp	0.2	Otanewainuku
Te Waerenga Road Wetland C	Exotic Herbfield	Marsh	0.2	Otanewainuku
Te Waerenga Road Wetland C	Flaxland	Marsh	0.1	Otanewainuku
Te Waerenga Road Wetland C	Exotic Grassland	Marsh	0.1	Otanewainuku
Te Waerenga Road Wetland D	Open Water	swamp	0.4	Otanewainuku
Te Waerenga Road Wetland D	Exotic Herbfield	Swamp	0.2	Otanewainuku
Te Weta Bay Wetlands (Lake Rotoiti)	Reedland	Swamp	0.8	Rotorua
Te Weta Bay Wetlands (Lake Rotoiti)	Exotic Treeland	Swamp	0.4	Rotorua
Te Weta Bay Wetlands (Lake Rotoiti)	Exotic Forest	Swamp	0.2	Rotorua
Te Weta Bay Wetlands (Lake Rotoiti)	Scrub	Swamp	0.1	Rotorua
Te Weta Bay Wetlands (Lake Rotoiti)	Sedgeland	Swamp	0.0	Rotorua
Te Weta Bay Wetlands (Lake Rotoiti)	?	None	0.0	Rotorua
Te Whaariki Toetoe Pond	Sedgeland	Swamp	0.7	Rotorua
Te Whaariki Toetoe Pond	Reedland	Swamp	0.5	Te Teko
Te Whaariki Toetoe Pond	Sedgeland	Swamp	0.1	Te Teko
Te Whaiti Nui A Toi Wetland A	Reedland	Fen	4.8	Whirinaki
Te Whaiti Nui A Toi Wetland A	Scrub	Swamp	3.5	Whirinaki
Te Whaiti Nui A Toi Wetland A	Shrubland	Swamp	3.5	Whirinaki
Te Whaiti Nui A Toi Wetland A	Reedland	Swamp	0.9	Whirinaki

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Te Whaiti Nui A Toi Wetland B	Scrub	Swamp	1.8	Whirinaki
Te Whaiti Nui A Toi Wetland B	Reedland	Swamp	0.1	Whirinaki
Te Whaiti Swamp	?	Swamp	3.5	Whirinaki
Te Whekau Lagoon	Open Water	Shallow Water	1.2	Rotorua
Tikitapu E	Reedland	Swamp	0.3	Rotorua
Tikitapu E	Shrubland	Swamp	0.1	Rotorua
Tikitapu E	?	None	0.0	Rotorua
Tirohanga Wetland A	?	None	1.1	Opotiki
Toatoa Wetland A	Reedland	Swamp	0.1	Motu
Toatoa Wetland B	Exotic Rushland	Marsh	1.7	Motu
Toatoa Wetlands C	?	Swamp	2.4	Motu
Torere Dune Swamp	?	Swamp	0.3	Motu
Totara Road Wetlands	?	Swamp	1.3	Kaingaroa
Treetops Wetland A	Sedgeland	Swamp	1.6	Atiamuri
Treetops Wetland A	Open Water	Shallow Water	0.6	Atiamuri
Treetops Wetland A	Grassland	Fen	0.3	Rotorua
Treetops Wetland A	Reedland	Fen	0.2	Rotorua
Treetops Wetland A	Sedgeland	Swamp	0.2	Rotorua
Treetops Wetland A	Open Water	Fen	0.1	Rotorua
Treetops Wetland B	Scrub	swamp	6.7	Rotorua
Treetops Wetland B	Scrub	swamp	1.0	Atiamuri
Treetops Wetland C	Sedgeland	Swamp	0.1	Rotorua
Trenberth Wetland	Sedgeland	Swamp	5.6	Kaingaroa
Tuhua Wetland	Treeland	Swamp	5.3	Otanewainuku
Tumoana Point Wetlands	Reedland	Shallow Water	0.1	Rotorua
Tumoana Road Wetland	Open Water	Shallow Water	1.3	Rotorua
Tumoana Road Wetland	Reedland	Swamp	0.6	Rotorua
Tumoana Road Wetland	Shrubland	Swamp	0.6	Rotorua
Tumutara Road Wetland	?	Swamp	2.9	Rotorua
Twin Peaks Wetland	Rushland	Swamp	0.3	Rotorua
Upper Mangatiti Stream Wetlands	?	Swamp	0.7	Kaingaroa
Upper Okahu Stream Catchment Wetlands	?	Swamp	0.4	Whirinaki
Upper Pekepeke Stream (quarry) Wetlands	?	Swamp	3.2	Kaingaroa
Upper Waiteti Stream Wetlands	?	Swamp	19.4	Otanewainuku
Upper Waiteti Stream Wetlands	?	Swamp	1.9	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Urupa Lagoon	Open Water	Swamp	0.4	Rotorua
Urupa Lagoon	Open Water	Swamp	0.1	Te Teko
Urupa Lagoon	Reedland	Swamp	0.1	Te Teko
Van Rossum Wetland	Flaxland	Swamp	0.1	Te Teko
Van Rossum Wetland	Open Water	Marsh	0.1	Te Teko
Wahieroa Wetland	Reedland	Swamp	6.4	Te Teko
Wai Karamuramu Wetlands	Exotic Forest	Swamp	9.3	Kaingarua
Waiautu Stream Wetlands	?	Swamp	68.7	Kaingarua
Waiautu Stream Wetlands	?	Swamp	2.4	Rotorua
Waiautu Stream Wetlands	?	Swamp	1.5	Te Teko
Waiiti Stream Wetlands	Shrubland	Swamp	1.4	Rotorua
Waiiti Stream Wetlands	Forest	Swamp	0.1	Rotorua
Waikaruru Stream Wetlands	?	Swamp	34.7	Atiamuri
Waikaruru Stream Wetlands	?	Swamp	4.3	Rotorua
Waimana Road Junction Wetland	Reedland	Swamp	1.4	Taneatua
Waimangu A Wetland	Open Water	Marsh	1.0	Rotorua
Waimangu A Wetland	Open Water	Swamp	0.2	Rotorua
Waimangu A Wetland	Exotic Forest	Swamp	0.1	Rotorua
Waimangu A Wetland	Exotic Rushland	Swamp	0.0	Rotorua
Waimangu B Wetland	Exotic Treeland	Swamp	0.4	Rotorua
Waimangu B Wetland	Sedgeland	Swamp	0.1	Rotorua
Waimangu B Wetland	Open Water	Swamp	0.0	Rotorua
Waimanu Wetland	?	Swamp	2.5	Motu
Waimapu Estuary Walkway Wetlands	Forest	Swamp	1.2	Tauranga
Wainikau Bay Wetlands (Lake Rotoehu)	Scrub	Swamp	1.8	Rotorua
Wainikau Bay Wetlands (Lake Rotoehu)	Reedland	Swamp	1.2	Rotorua
Wainikau Bay Wetlands (Lake Rotoehu)	Reedland	Swamp	0.5	Otanewainuku
Wainikau Bay Wetlands (Lake Rotoehu)	Open Water	Swamp	0.2	Rotorua
Wainikau Bay Wetlands (Lake Rotoehu)	?	None	0.0	Rotorua
Waiohau Forest Wetland	?	Swamp	2.4	Taneatua
Waiohau Oxbow Wetland	Exotic Treeland	Swamp	6.2	Kaingarua
Waiohau Oxbow Wetland	Exotic Grassland	Swamp	1.6	Kaingarua
Waiohau Oxbow Wetland	Exotic Forest	Swamp	0.7	Kaingarua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Waiohau Oxbow Wetland	Grassland	Swamp	0.4	Kaingarua
Waiohoata Wetland	?	Swamp	0.6	Motu
Waiohou Wetland	Treeland	Swamp	7.3	Kaingarua
Waione Bay Wetland	Exotic Grassland	Swamp	0.4	Rotorua
Waione Bay Wetland	Exotic Rushland	Swamp	0.2	Rotorua
Waione Bay Wetland	Exotic Herbfield	Swamp	0.1	Rotorua
Waionehu Wetlands	Reedland	Swamp	5.5	Rotorua
Waiora Road Reservoir	?	Swamp	0.2	Kaingarua
Waiotane Stream Wetlands	?	Marsh	0.3	Taneatua
Waiowhiro Flat Wetland (Parawai Road Swamp)	Exotic Forest	Swamp	38.4	Rotorua
Waipa Creek Wetland	?	Swamp	2.6	Pukeamaru
Waipa Mill Wetland	?	Swamp	0.2	Rotorua
Waipa Road Wetland	?	Swamp	1.7	Tauranga
Waipa Wetland	Exotic Treeland	Swamp	5.2	Rotorua
Waipai Lagoon	Open Water	Swamp	8.3	Kaingarua
Waipapa Estuary Wetlands A	?	Swamp	6.0	Tauranga
Wairau Bay Wetland	Reedland	Swamp	0.1	Rotorua
Wairau Bay Wetland	?	None	0.0	Rotorua
Wairoa River Wetlands	?	Swamp	0.1	Tauranga
Walker Road Wetland	Reedland	Swamp	1.0	Te Teko
Walker Road Wetland	Exotic Grassland	Marsh	0.5	Te Teko
Walker Road Wetland	Sedgeland	Swamp	0.3	Te Teko
Waterfall Road Wetland	Reedland	Swamp	3.8	Rotorua
Werakihī Tributary Wetland	Shrubland	Swamp	0.3	Taneatua
Werakihī Tributary Wetland	Open Water	Swamp	0.1	Taneatua
Whakarewarewa Lagoon	Open Water	Shallow Water	10.2	Rotorua
Whakarewarewa Lagoon	Scrub	Swamp	4.1	Rotorua
Whakarewarewa Lagoon	Sedgeland	Swamp	1.4	Rotorua
Whakarewarewa Lagoon	Reedland	Swamp	0.8	Rotorua
Whakarewarewa Lagoon	Shrubland	Swamp	0.5	Rotorua
Whakatane River Oxbow Wetlands	?	Swamp	4.6	Taneatua
Whangaparaoa Wetland B	Reedland	Swamp	0.7	Pukeamaru
Whangaroa Bay Wetlands, Lake Rotoma	Reedland	Swamp	7.5	Rotorua
Whangaroa Bay Wetlands, Lake Rotoma	Exotic Forest	Swamp	2.1	Rotorua
Whangaroa Bay Wetlands, Lake	Scrub	Swamp	1.9	Rotorua

Wetland	Structural class	Wetland class	Area (ha)	Ecological District
Rotoma				
Whangaroa Bay Wetlands, Lake Rotoma	Exotic Treeland	Swamp	0.8	Rotorua
Whareneke Bay Wetland	Rushland	Marsh	0.5	Rotorua
Whareneke Bay Wetland	Rushland	Swamp	0.1	Rotorua
Whareneke Bay Wetland	Exotic Herbfield	Swamp	0.1	Rotorua
Wheao River Wetland (Riki Road wetland)	?	Swamp	0.2	Kaingaroa
Wheao River Wetland A	Sedgeland	Swamp	0.3	Kaingaroa
Wheao River Wetland A	Flaxland	Swamp	0.1	Kaingaroa
Whirinaki (Hautapu) Bog	?	Fen	34.9	Whirinaki
Whirinaki (Hautapu) Bog	?	Fen	1.8	Kaimanawa
Whitikau Wetland A	Shrubland	Fen	0.4	Motu
Whitikau Wetlands	Exotic Grassland	Swamp	2.9	Motu
Whitikau Wetlands	Sedgeland	Swamp	1.2	Motu
Whitikau Wetlands	Forest	Swamp	0.1	Motu
Willhaven Farms Wetland	Reedland	Swamp	2.9	Kaingaroa
Willhaven Farms Wetland	Open Water	Swamp	0.8	Kaingaroa
Wilson Wetland	Grassland	Fen	0.4	Opotiki
Wilson Wetland	Exotic Grassland	Swamp	0.3	Opotiki
Young Wetlands	?	Swamp	22.3	Te Teko

Appendix 5 – Wetlands prioritised for monitoring

N = Nationally Significant, R = Regionally Significant, L = Locally Significant, ? = unknown significance.

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
Arahaki Lagoon	Fen	Reedland	?	5.0	Whirinaki	?
Arawa Wetland	Swamp	?	?	20.5	Tauranga	R
Awaiti Wildlife Management Reserve Wetlands	Swamp	Exotic Treeland	?	60.2	Te Teko	R
Big Lake Wetlands	Fen	Shrubland	LEPsco-DRAsub-COPten/BAUter-Sphagnum Shrubland	56.8	Otanewainuku	R
Blue Gum Bay Wetland	Swamp	?	?	70.5	Tauranga	N
Bregman Wetlands	Swamp	Forest	?	8.7	Te Teko	N
Copella Road Wetlands	Fen	?	?	111.6	Otanewainuku	?
	Fen	?	?	9.3	Rotorua	?
East Rangiwaia Island Wetlands	Marsh	?	?	1.6	Tauranga	R
Five Mile Gate Swamp	Swamp	Open Water	Open Water	0.0	Rotorua	R
	Swamp	Open Water	Open Water	0.1	Rotorua	R
	Swamp	Treeland	SALcin/BLenov(minus)-BAUrub- CORful-PHOten Treeland	0.4	Rotorua	R
	Swamp	Reedland	(SALcin)/BAUrub Reedland	1.1	Rotorua	R
	Swamp	Reedland	(SALcin)/BAUrub-PHOten Reedland	0.2	Rotorua	R
	Swamp	Reedland	(SALcin)/TYPori-BAUrub Reedland	0.7	Rotorua	R
	Swamp	Open Water	Open Water	0.1	Rotorua	R
Ford Road Lagoon	Marsh	?	?	7.2	Tauranga	R

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
Fort Galatea Wetlands	Swamp	?	?	21.3	Kaingaroa	N
Galatea Road Wetland A	Swamp	Flaxland	PHOten Flaxland	0.3	Kaingaroa	?
	Swamp	Exotic Forest	=SALcin=/PHOten-TYPori/CARsec Exotic Forest	0.6	Kaingaroa	?
	Swamp	Exotic Forest	SALcin Exotic Forest	0.3	Kaingaroa	N
	Swamp	Exotic Treeland	SALcin=/PHOten==TYPori= Exotic Treeland	0.4	Kaingaroa	?
Herepuru Wetlands	Swamp	Reedland	?	2.9	Otanewainuku	N
Hinehopu Mire	Swamp	Forest	SALcin-SALfra Forest	4.1	Rotorua	?
	Fen	Shrubland	LEPsco-COPten/BAUart-BAUter-BAUrub-GLEdic-SCHbre Shrubland	9.1	Rotorua	?
Hiwarau North Wetlands	Swamp	Reedland	?	0.3	Taneatua	N
Hiwarau South Wetlands	Swamp	?	?	3.4	Taneatua	N
Houpoto Swamp	Swamp	?	?	47.2	Motu	N
Hunters Creek Wetlands	Swamp	?	?	32.4	Tauranga	N
Kaituna River Wetlands	Swamp	?	?	38.7	Tauranga	R
Kaituna Sand Dunes Wetland	Marsh	Open Water	Open Water	0.7	Tauranga	N
	Swamp	Reedland	SALcin-(LEPsco)/_BAUart_-_THYori_/POLhyd/AZOfil Reedland	0.8	Tauranga	N
	Swamp	Reedland	SALcin-(LEPsco)/_BAUart_-_THYori_/POLhyd/AZOfil Reedland	0.1	Tauranga	N
	Swamp	Reedland	TYPori Reedland	0.5	Tauranga	N
	Swamp	Reedland	(SALcin)-(LEPsco)/=ELEsph=/AZOfil Reedland	0.7	Tauranga	N
	Swamp	Reedland	TYPori Reedland	1.0	Tauranga	N
	Swamp	Reedland	TYPori Reedland	0.4	Tauranga	N

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
	Swamp	Reedland	SALcin-(LEPsc)/_BAUart_-_THYori_/POLhyd/AZOfil Reedland	4.7	Tauranga	N
Kohika Wetlands	Swamp	?	?	44.1	Te Teko	R
Lake Aniwhenua Wetlands	Marsh	?	?	131.7	Kaingaroa	?
Lake Pouarua Wetlands	Swamp	Open Water	?	7.7	Kaimanawa	R
	Swamp	Open Water	?	143.8	Kaingaroa	R
Lake Te Hapua Wetlands	Swamp	Reedland	ELEsph-SCHtab Reedland	1.0	Rotorua	N
	Swamp	Shrubland	LEPsc-pasture-(PTEesc) Shrubland	0.6	Rotorua	N
	Swamp	Treeland	DACdac Treeland	0.0	Rotorua	N
	Shallow Water	Open Water	Open Water	3.8	Rotorua	N
	Swamp	Forest	DACdac Forest	0.2	Rotorua	N
	Swamp	Scrub	LEPsc-COPTen-ULEeur Scrub	1.3	Rotorua	N
	Fen	Scrub	LEPsc Scrub	0.7	Rotorua	N
	Swamp	Scrub	LEPsc-COPTen-ULEeur Scrub	0.6	Rotorua	N
	Swamp	Shrubland	LEPsc-SALfra-(SALcin)-COPTen Shrubland	0.6	Rotorua	N
	Fen	Wirerushland	(LEPsc)-(EPApau)/EMPmin-GLEdic-(JUNgre) Wirerushland	2.5	Rotorua	N
	Fen	Scrub	LEPsc-BLEmin-GLEdic Scrub	2.3	Rotorua	N
	Swamp	Scrub	ULEeur Scrub	0.1	Rotorua	N
Lakes Aroarotamahine and Te Paritu Wetlands	Swamp	?	?	7.8	Mayor	N
Lower Kaituna Wildlife Management Reserve Wetlands	Swamp	?	?	190.3	Tauranga	N

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
Matakana Wetland A	Swamp	?	?	25.8	Tauranga	N
Matakana Wetland B	Swamp	?	?	17.6	Tauranga	N
Matakana Wetland D	Swamp	Exotic Treeland	?	4.6	Tauranga	N
Matakana Wetland E	Marsh	?	?	1.1	Tauranga	R
Matata Lagoon Wildlife Refuge Reserve	Swamp	?	?	8.0	Otanewainuku	N
	Swamp	?	?	7.0	Te Teko	N
Matata Wetland	Swamp	?	?	3.6	Otanewainuku	N
McPhail Road Wetland	Swamp	Forest	?	14.2	Otanewainuku	N
Ngati Awa Wetland	Swamp	Sedgeland	(CORaus)/THYori-_BOLflu_/=CARGem= Sedgeland	0.3	Taneatua	N
	Swamp	Sedgeland	(CORaus)/THYori-_BOLflu_/=CARGem= Sedgeland	0.4	Taneatua	N
	Swamp	Sedgeland	_SALcin_/=BOLflu=- (THYori)/_CARGem_ Sedgeland	0.3	Taneatua	N
Nukuhou Wetlands	Swamp	?	?	0.8	Taneatua	N
Oheta Stream Wetland	Swamp	Reedland	(DACdac)/(LEPsco)/=THYori=/CARGem/CARsec) Reedland	0.4	Pukeamaru	N
	Swamp	Treeland	DACdac/CORaus/LEPsco-THYori/(PHOten)- =GAHxan=/CARGem/CARsec Treeland	0.5	Pukeamaru	N
	Swamp	Reedland	DACdac/CORaus/LEPsco-THYori/(PHOten)- =GAHxan=/CARGem/CARsec Reedland	0.6	Pukeamaru	N
	Swamp	Reedland	(DACdac)/(LEPsco)/=THYori=/CARGem/CARsec) Reedland	0.3	Pukeamaru	N
	Swamp	Reedland	(DACdac)/(LEPsco)/=THYori=/CARGem/CARsec) Reedland	0.6	Pukeamaru	N
	Swamp	Reedland	(DACdac)/(LEPsco)/=THYori=/CARGem/CARsec) Reedland	0.2	Pukeamaru	N

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
	Swamp	Reedland	(DACdac)/(LEPSCO)=THYori=/CARgem/CARsec Reedland	0.6	Pukeamaru	N
	Swamp	Treeland	DACdac/CORaus/LEPSCO-THYori/(PHOten)- =GAHxan=/CARgem/CARsec Treeland	14.3	Pukeamaru	N
	Swamp	Reedland	(DACdac)/(LEPSCO)=THYori=/CARgem/CARsec Reedland	0.5	Pukeamaru	N
	Swamp	Reedland	(CORaus)/LEPSCO- (COPten)/=BAUrub=/GLEdic/_ISAglo_ Reedland	0.4	Pukeamaru	N
	Swamp	Reedland	(CORaus)/LEPSCO- (COPten)/=BAUrub=/GLEdic/_ISAglo_ Reedland	0.3	Pukeamaru	N
Omaramutu	Swamp	Reedland	TYPori Reedland	1.1	Opotiki	R
	Marsh	Open Water	Open Water	0.6	Opotiki	R
Onerahi Wetland A	Swamp	Shrubland	?	30.6	Kaingaroa	N
Opuiaki River Wetland	Swamp	Scrub	?	1.9	Otanewainuku	N
Opureora Wetlands	Marsh	?	?	1.6	Tauranga	N
Otamarakau Wetlands	Swamp	Reedland	?	7.6	Otanewainuku	N
Otamatea Mire	Swamp	Shrubland	?	27.4	Kaingaroa	?
Otanemutu Wetland	Swamp	?	?	4.6	Opotiki	?
Park Road Estuary Wetlands	Marsh	?	?	1.9	Tauranga	R
Rangitaiki Conservation Area Wetlands	Fen	?	?	145.0	Kaingaroa	?
Rangitaiki River Wetlands	Swamp	?	?	78.2	Kaingaroa	?
Raukokore River Mouth Wetlands	Swamp	?	?	4.9	Pukeamaru	N
	Swamp	?	?	4.5	Motu	N

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
Rawea Wetland	Swamp	Shrubland	=KUNeri/=SPHcri= Shrubland	2.9	Motu	R
Rerewhakaaitu F	Swamp	Exotic Forest	SALcin-PINcon/ERIluc-CYTSCO-LEPSCO-(PINcon) Exotic Forest	1.0	Rotorua	?
	Swamp	Exotic Forest	Exotic Forest	28.1	Rotorua	?
	Swamp	Exotic Shrubland	LEPSCO-SALcin-(BAUrub)/Hollan-CARGAU-ERABRO-(GALpul)-PINcon Exotic Shrubland	8.9	Rotorua	?
	Swamp	Exotic Treeland	SALcin-PINcon/ERIluc-CYTSCO-LEPSCO-(PINcon) Exotic Treeland	3.5	Rotorua	?
	Swamp	Open Water	Open Water	6.0	Rotorua	?
	Swamp	Reedland	BAUart Reedland	0.0	Rotorua	?
	Swamp	Reedland	ELEsph Reedland	0.6	Rotorua	?
	Swamp	Reedland	SALcin/ELEsph/JUNbul-LACfil-GALpul Reedland	7.5	Rotorua	?
	Swamp	Reedland	SALIX spp./ELEsph Reedland	2.7	Rotorua	?
	Swamp	Rushland	CONalb-(JUNeff)/JUNbul-GALpul Rushland	1.7	Rotorua	?
	Swamp	Rushland	JUNbul-JUNacu-(ELEsph) rushland	1.6	Rotorua	?
	Swamp	Shrubland	LEPSCO-ERIluc-CYTSCO/ERABRO-GALpul Shrubland	13.0	Rotorua	?
	Rotomahana J	Swamp	Reedland	SCHtab Reedland	0.0	Rotorua
Swamp		Reedland	TYPori Reedland	0.0	Rotorua	N
Swamp		Reedland	SCHtab Reedland	0.1	Rotorua	N
Swamp		Reedland	TYPori Reedland	0.0	Rotorua	N
Roy Road Lagoon	Swamp	?	?	25.8	Otanewainuku	R
Sisam's Trig Bush Wetland	Swamp	Reedland	(LEPSCO)/=THYori/=BAUrub/CARsec/_ISAglo_ Reedland	0.2	Taneatua	N
	Swamp	Flaxland	(LEPSCO)/PHOten/=ISAglo= Flaxland	0.1	Taneatua	N

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
Steele Road Wetlands A	Swamp	Treeland	Treeland	9.9	Tauranga	N
Steele Road Wetlands B	Swamp	Treeland	Treeland	22.9	Tauranga	N
Sulphur Bay Wetlands	Swamp	Sedgeland	CARgem Sedgeland	0.1	Rotorua	N
	Swamp	Reedland	SALfra-ALUglu/TYPori-CYPust Reedland	0.0	Rotorua	N
	Swamp	Reedland	SALfra-ALUglu/TYPori-CYPust Reedland	0.3	Rotorua	N
	None	?	delete	0.7	Rotorua	N
Tarawera B	Swamp	Reedland	TYPori-SCHtab-CARsec Reedland	0.1	Rotorua	N
	Swamp	Reedland	LEPSCO-(KUNeri)/TYPori Reedland	0.0	Rotorua	N
Te Rereauira Swamp	Swamp	?	?	66.7	Pukeamaru	N
Te Whekau Lagoon	Shallow Water	Open Water	Open Water	1.2	Rotorua	R
	Swamp	Exotic Rushland	JUNeff Exotic Rushland	0.7	Rotorua	R
	Swamp	Open Water	Open Water	1.4	Rotorua	R
	Swamp	Scrub	LEPSCO scrub	0.3	Rotorua	R
	Swamp	Sedgeland	Carex Sedgeland	1.8	Rotorua	R
Thornton Lagoon Wildlife Management Reserve Wetlands	Swamp	Reedland	=THYori=(SCHtab) Reedland	6.0	Te Teko	N
	Shallow Water	Open Water	Open Water	18.1	Te Teko	N
Tirohanga Pa Wetland	Swamp	?	?	4.5	Opotiki	R
Tokerau Bay Wetland	Fen	Exotic Treeland	SALcin/BAUrub Exotic Treeland	0.1	Otanewainuku	R
	Fen	Exotic Treeland	SALcin/BAUrub Exotic Treeland	0.0	Rotorua	R
	Fen	Rushland	(BAUhut)-BAUrub/=ISAglo= Rushland	2.4	Otanewainuku	R
	Fen	Rushland	(BAUhut)-BAUrub/=ISAglo= Rushland	0.1	Rotorua	R

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
	Fen	Scrub	=LEPsco=(PHOten)/copten/BAUrub/(BLEnov)/ISAglo Scrub	1.5	Otanewainuku	R
Tuhoe Forest Wetlands	Fen	Shrubland	(CORaus)/=COPTen=/BAUrub Shrubland	1.5	Taneatua	R
	Fen	Shrubland	CORaus/_COPTen_-BAUrub Shrubland	0.0	Taneatua	R
	Fen	Shrubland	CORaus/_COPTen_-BAUrub Shrubland	0.9	Taneatua	R
	Fen	Sedgeland	BAUrub Sedgeland	0.2	Taneatua	R
	Swamp	Shrubland	Shrubland	0.1	Taneatua	R
Tumurau (Braemar) Lagoon Wetlands	Swamp	?	?	118.6	Te Teko	R
Uretara Island Wetlands	Swamp	?	?	0.1	Taneatua	N
Waewaetutuki Wetland	Swamp	?	?	72.2	Tauranga	R
Waewaetutuki Wharere Road Wetland	Swamp	Open Water	Open Water	0.5	Tauranga	R
	Swamp	Reedland	TYPori Reedland	0.1	Tauranga	R
	Swamp	Reedland	(LEPsco)-(CORaus)/_TYPori_-BAUart-(PLOten) Reedland	3.3	Tauranga	R
Waiariki Drain Wetland	Swamp	Exotic Rushland	_JUNeff_/=exotic grasses= Exotic Rushland	3.1	Tauranga	N
	Swamp	Rushland	(BAUart)/=JUNsar=-=JUNeff=/=exotic grasses= Rushland	13.2	Tauranga	N
	Swamp	Open Water	Open Water	0.6	Tauranga	N
	Swamp	Exotic Rushland	_JUNeff_/=exotic grasses= Exotic Rushland	3.9	Tauranga	N
	Swamp	Sedgeland	(BAUart)-(TYPori)/CARsp.-JUNeff_-AGRsto_ Sedgeland	1.8	Tauranga	N
	Marsh	Open Water	Open Water	0.6	Tauranga	N
	Swamp	Reedland	THYori-(BAUart)/open water Reedland	4.1	Tauranga	N

Wetland	Wetland class	Structural class	Vegetation	Area (ha)	Ecological District	Significance
	Swamp	Exotic Rushland	_JUNeff_/=exotic grasses= Exotic Rushland	3.4	Tauranga	N
Waihi Wildlife Management Reserve Wetland	Marsh	?	?	1.1	Tauranga	R
Waimangu Scenic Reserve Wetland	Swamp	Sedgeland	Carex Sedgeland	13.3	Rotorua	N
Waimapu Estuary Wetlands	Swamp	?	?	14.9	Tauranga	N
Waiotahi Valley Wetland	Swamp	Shrubland	(DACdac)/_COPten_- _LEPsko/_BAUrub_/CARsec/BLEnov/(SPHcir) Shrubland	0.9	Waioeka	N
Waiowhoro Flat Wetland (Parawai Road Swamp)	Swamp	Exotic Forest	Salix Exotic Forest	38.4	Rotorua	?
Waitangi Soda Springs Mire	Swamp	Reedland	(SALIX spp.)/TYPori Reedland	6.8	Rotorua	R
	Swamp	Reedland	TYPori-SCHtab-ELEacu Reedland	1.7	Rotorua	R
	Swamp	Exotic Forest	SALcin-LEPsko Exotic Forest	5.4	Rotorua	R
	Swamp	Exotic Treeland	SALcin Exotic Treeland	3.3	Rotorua	R
Whakatane Estuary Wetlands	Marsh	?	?	1.8	Te Teko	R
Whangaparaoa A Wetland	None	?	delete	14.5	Pukeamaru	N
Whangaparaoa Dune Hollow Wetland	Swamp	?	?	3.0	Pukeamaru	N
Whirinaki (Hautapu) Bog	Fen	?	?	34.9	Whirinaki	?
	Fen	?	?	1.8	Kaimanawa	?

Appendix 6 – Summary statistics for priority wetland set

Ecological District	Wetland Class	Area (ha)
Kaimanawa	Fen	1.8
Kaimanawa	Swamp	7.7
Kaingaroa	Fen	145.0
Kaingaroa	Marsh	131.7
Kaingaroa	Swamp	303.0
Mayor	Swamp	7.8
Motu	Swamp	54.6
Opotiki	Marsh	0.6
Opotiki	Swamp	10.2
Otanewainuku	Fen	172.4
Otanewainuku	Swamp	64.1
Pukeamaru	None	14.5
Pukeamaru	Swamp	93.3
Rotorua	Fen	24.1
Rotorua	None	0.7
Rotorua	Shallow Water	5.0
Rotorua	Swamp	158.4
Taneatua	Fen	2.6
Taneatua	Swamp	6.1
Tauranga	Marsh	15.9
Tauranga	Swamp	562.2
Te Teko	Marsh	1.8
Te Teko	Shallow Water	18.1
Te Teko	Swamp	244.7
Waioeka	Swamp	0.9
Whirinaki	Fen	39.9

Ecological District	Total Area
Kaimanawa	9.5
Kaingaroa	579.6
Mayor	7.8
Motu	54.6
Opotiki	10.7
Otanewainuku	236.5
Pukeamaru	107.8
Rotorua	188.3
Taneatua	8.7
Tauranga	578.1
Te Teko	264.6
Waioeka	0.9
Whirinaki	39.9

Wetland Class	Area (ha)	%
Fen	385.8	18.5
Marsh	150.0	7.2
Shallow Water	23.1	1.1
Swamp	1512.9	72.5
?	15.2	0.7
Total	2087	100