

DIGITAL MAP OF SIGNIFICANT
NATURAL AREAS IN THE
OPOTIKI DISTRICT

JUNE 2005

Contract Report No. 1116

Report prepared for

ENVIRONMENT BOP
P.O. BOX 364
WHAKATANE



CONTENTS

1.	INTRODUCTION	1
2.	OBJECTIVES	1
3.	METHODS	1
4.	OUTPUTS	2
	REFERENCES	2
APPENDICES		
1.	Significant natural areas of Opotiki District – Attribute table	4
2.	Metadata for Opotiki DC SNA's 1999 based on 2003 RDAM	18

© Copyright: Environment Bay of Plenty Regional Council 2005

This report has been produced by Wildland Consultants Ltd for Environment Bay of Plenty Environment Investigations Section. The report or any part of it may be reproduced free of charge, without requiring specific permission as long as it is reproduced accurately and in context.

The right of Wildland Consultants Ltd to be identified as the authors of this report in terms of Section 96 of the Copyright Act 1994 is hereby asserted.

This report should be cited thus:

Wildland Consultants Ltd 2005: Digital maps of significant natural areas in Opotiki District. *Wildland Consultants Ltd Contract Report No. 1056*. Prepared for Environment Bay of Plenty.

1. INTRODUCTION

Environment Bay of Plenty commissioned Wildlands Consultants Ltd to undertake mapping of significant natural areas (SNA) in the Opotiki District in the Bay of Plenty Region. This project involved mapping the 2003 extent of significant natural areas based on hard copy maps presented in a 1999 report (Wildland Consultants Ltd 1999). Significant natural areas mapped in the 1999 report included legally protected and unprotected areas. In the current project site boundaries were digitised at a scale of 1:5,000 based on the extent of natural areas visible in 2003 digital aerial photographs.

2. OBJECTIVES

The project objective is to map at 1:5000 the 2003 extent of each significant natural area (SNA) identified in the Opotiki Natural Heritage Report (Wildland Consultants Ltd 1999).

3. METHODS

All sites in the 1999 SNA report (Wildland Consultants Ltd 1999) were mapped using the 2003 RDAM orthophotos as the mapping base. Each site was mapped on screen at 1:5,000 with reference to extent of the site as mapped on the 1:50,000 topographic maps and sketch maps (scale 1:20,000-1:50,000) presented in the 1999 report. Clearings that could be identified on the digital aerial photographs were excluded from sites. Main roads were also excluded from unprotected sites. Minor boundary changes were made to many of the sites to exclude small areas of pines, pasture, or dwellings, or to include indigenous vegetation. For a few sites, major areas were excluded for one of several reasons e.g. newly established pine plantations; clearance of indigenous vegetation. Any sizeable areas of exotic vegetation (e.g. clearings, plantations) that could be discerned from the digital aerial photographs were excluded from unprotected sites. The Opotiki District administrative boundary was changed in 2004 and 17 sites, and parts of a further three sites, identified in the 1999 report now lie in the Whakatane District. These sites were mapped as part of the current project and are identified in the comments field in the attribute table (see Appendix 1). Boundaries of protected sites were not adjusted. In a few instances the position of the protected areas digital polygon were shifted slightly to fit the position of natural features visible on the aerial photographs, e.g. when straight line boundaries were offset to one side of the actual physical differentiation of vegetation cover.

Details about each site were captured in the attribute table. There were 15 fields in the attribute table, and these are listed and defined in Table 1.

Table 1:

Attribute	Definition
DATE	Date of digital mapping (for future reference)
NAME	Name (most appropriate name if site has had different names in the past)
SITE_NO.	Unique identifier (Site No.). (This would be a new number so each site throughout the region would have a unique number.)
SNA_UNPROT	SNA – unprotected (state type and site number in report)
UNPSNA_REF	Source (report)
SNA_PROT	SNA – protected (state type and site number in report)
PROSNA_REF	Source
RAP_NO	RAP No.
RAP_REF	Source
ED_1_50000	Ecological district
03_HA	Area (ha)
DIG_SCALE	Digitised scale, e.g. 1:5,000
BASE_MAP	Base map
FIELD_CHK	Field check needed
CHNG_XTNT	Extent (broad comment on any change in extent since reference document completed)
COMMENTS	Other relevant information

4. OUTPUTS

One hundred and seventy-seven sites were mapped. These are listed in Appendix 1 along with the completed attribute table. Sites are mapped at c.1:600,000 in Figure 1. Most or all unprotected sites would require field checking to confirm site boundaries. Shadows on the digital aerial mosaic make it difficult to determine the boundaries in some places, particularly adjacent to pine plantations. Arc shape files were provided to Environment BOP along with the metadata (Appendix 2). The shape file name is Opotiki_District_SNA's_1999_based_on_2003_RDAM. The metadata is presented in Appendix 1 and was also provided to Environment BOP.

REFERENCES

Wildland Consultants Ltd 1999: Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. *Wildland Consultants Ltd Contract Report No. 185.*



Legend



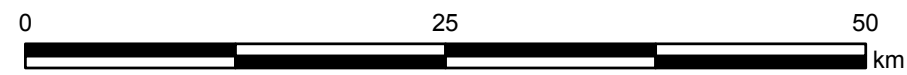
-  Opotiki District Boundary
-  Natural Heritage Sites

Figure 1. Opotiki District Natural Heritage Sites



Scale: 1:450,000
Date: 18/07/05
Cartographer: RPB

SIGNIFICANT NATURAL AREAS
OF OPOTIKI DISTRICT –
ATTRIBUTE TABLE

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Urewera National Park				34.32	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			6504.990000000000	1:5,000	RDAM 2003 Orthophotographs			Waioweka	
Pokaipiripiri		34.30	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					288.880000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	
Waioueka Conservation Area				34.31	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			23054.520000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	Part of site also in Waioweka ED.
Okahuata		34.29	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					65.760000000000	1:5,000	RDAM 2003 Orthophotographs	Yes. Appears within the Waioueka Conservation Area in the DOC GIS layer.		Waioweka	
Wairata		34.28	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					986.870000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	
Oponae		34.27	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					989.970000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Pine plantations excluded from site, boundary adjusted for northern portion.	Waioweka	
Waiata Village Conservation Area				34.26	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			3.820000000000	1:5,000	RDAM 2003 Orthophotographs			Waioweka	
Pakihi		34.41	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					120.950000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Change in extent. Actual extent of indigenous vegetation appears different from site map.	Motu	
Whitikau		34.43	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					1260.430000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Uretawa Conservation Area				34.33	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			21662.080000000000	1:5,000	RDAM 2003 Orthophotographs			Waioweka	This site extends over Waioweka and Motu ED's.
Whitikau Scenic Reserve				34.42	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			872.840000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Waiotahi River Conservation Area				34.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			23.220000000000	1:5,000	RDAM 2003 Orthophotographs			Waioweka	
Taumahawaru		45.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					154.350000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Tokenui		34.34	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					111.040000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	

NAME	SITE NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Waiotahi Valley		34.7	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					249.900000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	
Tukainuka Scenic Reserve				34.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			37.940000000000	1:5,000	RDAM 2003 Orthophotographs			Waioweka	
Waioeke Gorge Scenic Reserve				34.25	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			18453.910000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	Part of site also in Waioweka ED.
Otipi		45.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					33.510000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Raukumara Conservation Park				45.9	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			77570.590000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Kahuni		34.5	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					307.240000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	
Matahanea Track		34.24	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					10.150000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	
Te Waiti Stream Conservation Area				34.36	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			83.820000000000	1:5,000	RDAM 2003 Orthophotographs	DOC GIS layer shows this area within the Uretawa Conservation Area.		Motu	
Toatoa Scenic Reserve				34.44	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			2371.640000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Pakihi Stream Conservation Area				34.38	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			7.010000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Waiotahi Covenant		34.6	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					864.720000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Pine plantations have been excluded.	Waioweka	In 1999 this site was a proposed reserve and was managed as if it was a Forest Accord Reserve, however it is not formally protected. This site extends over Opotiki and Waioweka ED's.
Opaeroa		34.37	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					1508.910000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	This site extends over three ED's.
Pakihi Conservation Area				42.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			99.390000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Tutaetoko Scenic Reserve				51.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			269.580000000000	1:5,000	RDAM 2003 Orthophotographs			Waioweka	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Waioweka Covenant		34.16	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					313.270000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	In 1999 this site was a proposed reserve and was managed as if it was a Forest Accord Reserve, however it is not formally protected. This site extends over Opotiki and Waioweka ED's.
Toatoa		34.45	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					2773.550000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Yardley QE II Covenant				34.51	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4.260000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Meremere Hill Scenic Reserve				34.46	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1355.360000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Waioweka		34.15	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					39.040000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	
Hine Rae Historic Reserve				34.14	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			23.660000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Waikerea		34.17	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					73.540000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Extent of indigenous vegetation in the western parts of site have reduced in extent.	Opotiki	
Waikerea Covenant		34.20	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					352.800000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	In 1999 this site was a proposed reserve and was managed as if it was a Forest Accord Reserve, however it is not formally protected. This site extends over Opotiki and Waioweka ED's.
Meremere Conservation Area				34.40	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			2.010000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Mangakakano - Orukutia		34.39	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					659.660000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Amokura		34.13	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					113.620000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Young's Bush		34.18	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					12.130000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Whitikau Conservation Area				34.50	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			889.970000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Papatotara		42.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared					292.920000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
			for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.											
Marawaiwai Scenic Reserve				34.19	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			77.670000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Ruahema		34.9	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					59.160000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Waioweka	
Water Supply Reserve				42.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			260.770000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Waiotahi Scenic Reserve				34.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			256.220000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	Part of site also in Waioweka ED.
Waiotahi Scenic Reserve Extension		34.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					25.880000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Hukutaia Recreation Reserve				34.12	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4.770000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Waiotahi Hills		33.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					203.100000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	This site extends over Opotiki and Waioweka ED's.
Butler's Ridge		37.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					85.870000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Rankin Forest		6	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			39	Beade l et al. 1996	18.460000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	
Woodlands Road Remnants		34.11	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					40.970000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Clearings have been excluded.	Opotiki	
Waiaua Scenic Reserve				42.5	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			837.360000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Waiaua Scenic Reserve Extension		42.7	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					25.080000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Northern portion of site has reduced in area.	Opotiki	
Kohipawa		42.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					54.750000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Waioweka Conservation Area Extension		34.10	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland					20.950000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Takaputahi Conservation Area			Consultants Ltd Report No. 185.	34.49	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			920.740000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Papanui Road		7	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			40	Beadel et al. 1996	68.660000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	
Conners's Bush		38	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					8.590000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Osbornes's Bush		32	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					54.910000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Opape Scenic Reserve				34.47	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4.250000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Butler Brothers QE II Covenant				37.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			17.540000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Paerata Plantation Remnant		31	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					5.470000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Tablelands		39.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					96.190000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Nukutere				34.48	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4966.340000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Watson's Bush		33.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					83.520000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Waioweka River Riparian		36	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					9.350000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Upper Paerata Ridge		30	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					46.030000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Matekerepu Historic Reserve				5.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			23.380000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	
Rawea Swamp		34.53	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					51.010000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Pine plantations have been excluded.	Motu	
Tablelands Bush				39.1	Wildland Consultants. 1999 Natural			42.290000000000	1:5,000	RDAM 2003			Opotiki	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
QE II Covenant					Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					Orthophotographs				
Kutarere		8.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			41	Beadel et al. 1996	1.77000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Kapuarangi Conservation Area				45.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1216.12000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Hanaia		42.6	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					368.88000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Site has reduced in size along the western boundary. Site extends further north.	Opotiki	
Kapuarangi		34.52	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					1116.03000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Pine plantations have been excluded.	Motu	
State Highway 2		8.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			75	Beadel et al. 1996	13.87000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	
Taheke		42.8	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					164.07000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Clearing has been excluded.	Motu	
Kutarere Recreation Reserve				11	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			7.86000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Ruatuna		9	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			52	Beadel et al. 1996	7.71000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	
Pataua Island Scientific Reserve				10	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			22.35000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	
Hanaia Plantation Forest Remnants		43	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					4.76000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Te Whaiti Stream		34.55	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					66.41000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Waiaua		34.54	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					714.40000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Decreased markedly in extent (north end).	Opotiki	
Donaldson's Bush		29	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					6.95000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Stipa		15	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared			51	Beadel et al.	2.18000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
			for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.				1996							
Hiwarau Pohutukawa		17	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			84	Beadel et al. 1996	3.510000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Makeo		34.56	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					200.080000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Looney's Remnants		27	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					36.620000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Waioeka River Conservation Area				35	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			19.670000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Hokianga Island (part)		16	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			86	Beadel et al. 1996	2.360000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Hiwarau		5.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			13 (part)	Beadel et al. 1996	369.980000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and part of this site is now in the Whakatane District.
Nukuhou Saltmarsh Stewardship Area				5.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			21.680000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Pukeruru		12	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			85	Beadel et al. 1996	3.140000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	
Waioeka River Control Reserve				41.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			14.970000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Waioweka Estuary Local Purpose Reserve				41.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			22.040000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Wainui Wetland		3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			74	Beadel et al. 1996	4.140000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Nukuhou		5.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			47	Beadel et al. 1996	15.720000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Ohiwa Scenic Reserve				13.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4.400000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	
Ohiwa		13.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland			50	Beadel et al. 1996	14.250000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and part of this site is now in the

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Lower Paerata Ridge		28	Consultants Ltd Report No. 185. Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					13.620000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	Whakatane District.
Ohiwa Crown Land				14	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1.820000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Te Matau		40	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					4.550000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Oscar Reeve Scenic Reserve Extension		22.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			42	Beadel et al. 1996	11.630000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	
Oscar Reeve Scenic Reserve				22.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			6.270000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	
Toritiri		4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			83	Beadel et al. 1996	0.150000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Motuotu Island Nature Reserve				18	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			70.220000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Island near Whangakopikopi ko Island (unnamed)		21	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			49	Beadel et al. 1996	0.490000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Otanemutu Wetland		44	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					5.580000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Uretara Island Scenic Reserve Extension		19.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			15	Beadel et al. 1996	37.640000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Paparoa Pa Historic Reserve				2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1.570000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Whangakopikopi ko Wildlife Reserve Extension		20.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			48	Beadel et al. 1996	3.290000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Whangakopikopi ko Wildlife Refuge				20.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			12.350000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Oroi		34.57	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1:5, 3:3, 3:4	Clarks on et al. 1986.	1810.960000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Pine plantations have been excluded.	Opotiki	
Hikuwai Beach				41.5	Wildland Consultants. 1999 Natural			15.420000000000	1:5,000	RDAM 2003			Opotiki	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Local Purpose Reserve					Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					Orthophotographs				
Hikawai Beach		41.6	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					9.17000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Size has reduced in size at the western end.	Opotiki	
Onekawa Forest Remnants		26	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					28.60000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Tirohanga Wetland		41.7	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					2.10000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Tirohanga Pa		41.10	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					8.86000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Huntress Creek Conservation Area				41.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			44.82000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Tirohanga Dunes Conservation Area				41.8	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			64.11000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Whitiwhiti		1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					58.40000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Tirohanga Conservation Area				41.9	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			0.39000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Waioeka Estuary		41.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					121.61000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Waiotahi Beach		25.5	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					10.95000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Uretara Island Scenic Reserve				19.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			80.36000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and this site is now in the Whakatane District.
Waiotahi Spit Scenic and Historic Reserves				25.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			30.31000000000	1:5,000	RDAM 2003 Orthophotographs			Opotiki	
Waiotahi Estuary		25.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					132.81000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Omarumutu		41.11	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and					71.99000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Bryans Beach A		25.3	Environment BOP. Wildland Consultants Ltd Report No. 185. Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					37.610000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Oroi Scenic Reserve				34.58	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			20.250000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Onekawa		23	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			62	Beade l et al. 1996	32.840000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Taneatua	
Bryans Beach B		25.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					6.470000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Opotiki	
Ohiwa Spit				24	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			10.740000000000	1:5,000	RDAM 2003 Orthophotographs			Taneatua	The Opotiki District administrative boundary changed in 2004 and part of this site is now in the Whakatane District.
Motu River Riparian		45.10	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					993.310000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Pukeiahonoa Link		45.8	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					1695.310000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Te Whiorau		45.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			3:1 and 1:9	Clarks on et al. 1986.	2199.970000000000		RDAM 2003 Orthophotographs	Yes		Motu	
Hawai - Motu River Hinterland		45.7	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					4526.860000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Houpoto Swamp		45.6	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1:8	Clarks on et al. 1986.	54.590000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Hawai - Motu River		45.5	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					511.220000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Wharehinu		45.17	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					183.790000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Iwiroa				45.15	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			5627.300000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Haparapara River		45.13	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			3:2 and 1:4 (part)	Clarks on et al. 1986.	1220.590000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
Ponui				45.16	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			412.880000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Maungaroa				45.19	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			9029.590000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Te Kaha		45.14	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1:1 (part)	Clarks on et al. 1986.	1879.610000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Maungaroa Farm		45.18	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1:13	Clarks on et al. 1986.	218.740000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Raukokore River Riparian Strip		45.29	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					984.830000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Waikawa				45.20	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1048.090000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Pohueroro				45.28	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			6466.230000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
T. Goldie QE II Covenant				45.22	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			115.970000000000	1:5,000	RDAM 2003 Orthophotographs			Motu	
Whanarua Bay Scenic Reserve				45.23	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			0.010000000000	1:5,000	RDAM 2003 Orthophotographs		Houses have been excluded.	Motu	
Whanarua Bay Scenic Reserve				45.23	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			148.310000000000	1:5,000	RDAM 2003 Orthophotographs		Houses have been excluded.	Motu	
Waimanu		45.25	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					930.750000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Pine plantations have been excluded.	Motu	
Tawaroa				45.27	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			175.790000000000	1:5,000	RDAM 2003 Orthophotographs			Pukeamaru	
Whanarua Cliffs QE II Covenant				45.24	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4.970000000000	1:5,000	RDAM 2003 Orthophotographs		House has been excluded.	Motu	
Whanarua		45.21	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1:1 (part)	Clarks on et al. 1986.	459.120000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Motu	
Otarapaoa		49.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared			34	Regnier et	890.460000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
			for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.				al. 1988							
Raukokore Mouth		45.26	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			13	Regnier et al. 1988	273.880000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	Part of this site is in Motu ED.
Tauranga Stream		50	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					65.810000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Waiokaha Stream Corridor		49.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					304.250000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Significant parts of the area identified in 1999 are now in pine plantation and have been excluded from the site.	Pukeamaru	
Waihau Pohutukawa Remnants		52	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			3 (part)	Regnier et al. 1988	24.030000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Te Ranginui		51.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			3 (part), 39 (part)	Regnier et al. 1988	434.800000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Matapapa Recreation Reserve				53	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			6.850000000000	1:5,000	RDAM 2003 Orthophotographs			Pukeamaru	
Oruaiti				51.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			582.720000000000	1:5,000	RDAM 2003 Orthophotographs			Pukeamaru	
Tupuaeharuru		51.4	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			3 (part)	Regnier et al. 1988	122.630000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Whangaparaoa B		54	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4	Regnier et al. 1988	14.440000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Whangaparaoa				51.3	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			1999.820000000000	1:5,000	RDAM 2003 Orthophotographs			Pukeamaru	
Te Rereauira Swamp		51.6	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			12	Regnier et al. 1988	88.320000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
T. Ruwhiu QE II Covenant				55.2	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			87.790000000000	1:5,000	RDAM 2003 Orthophotographs			Pukeamaru	
Ngarue Road		51.7	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					95.780000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Maungahiha		56	Wildland Consultants. 1999 Natural					22.610000000000	1:5,000	RDAM 2003	Yes		Pukeamaru	

NAME	SITE_NO	SNA_UNPROT	UNPSNA_REF	SNA_PROT	PROSNA_REF	RAP_NO	RAP_REF	03_HA	DIG_SCALE	BASE_MAP	FIELD_CHK	CHNG_XTNT	ED_1_50000	Comments
			Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.							Orthophotographs				
Whangaparaoa A		55.1	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			4	Regnier et al. 1988	87.890000000000	1:5,000	RDAM 2003 Orthophotographs	Yes	Site may include farmland, requires field assessment to determine boundary.	Pukeamaru	
Potikura		57	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					4.060000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Cape Runaway Pohutukawa Remnants		59	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.					11.200000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	
Tikirau		60	Wildland Consultants. 1999 Natural Heritage of Opotiki District. Prepared for Opotiki District Council and Environment BOP. Wildland Consultants Ltd Report No. 185.			18	Regnier et al. 1988	563.290000000000	1:5,000	RDAM 2003 Orthophotographs	Yes		Pukeamaru	

METADATA FOR OPOTIKI
DISTRICT SNA'S 1999 BASED
ON 2003 RDAM

INTERIM METADATA FORM – ENVIRONMENT BAY OF PLENTY

Created from a subset of metadata categories listed in ArcCatalogue

IDENTIFICATION INFORMATION

Data Set Name:

Opotiki_District_SNA's_1999_based_on_2003_RDAM

Data Set Abstract: [Briefly describes the "what" aspects of the data. For example, what information is in the data set? What area is covered?]

Environment Bay of Plenty commissioned Wildlands Consultants Ltd to undertake mapping of significant natural areas (SNA) in the Opotiki District in the Bay of Plenty Region. This project involved mapping the 2003 extent of significant natural areas based on hard copy maps presented in a 1999 report (Wildland Consultants Ltd 1999). Significant natural areas mapped in the 1999 report included protected and unprotected areas. In the current project site boundaries were digitised at a scale of 1:5,000 based on the extent of natural areas visible in 2003 digital aerial photographs.

Dataset Purpose: [Describes the "why" aspects. For example, why was the data set created? Recommendations on the types of uses to which the data may or may not be applied should be described in this element]

This mapping project captures the 2003 spatial extent of 177 significant natural areas identified in 1999 in a digital form that can be used as a benchmark for future studies.

Supplemental Information:

Access Constraints: [Restrictions or legal prerequisites for accessing the data. If there are no access constraints the value of the element should be "None".]

None

Use Constraints: [Any legal prerequisites for using the data after access is granted. If there are no access constraints the value of the element should be "None".]

None

Data Set Credit:

Data Set Originator: [The name of the organization or individual who developed the data; for example, authors would be the originators of a book.]

Wildland Consultants 2005

Publication Date and Edition: [Publication date should be a year, a year and month, or a year, month, and day. Dates should be provided in the format YYYYMMDD, for example 20000921 for the date September 21, 2000. If dates are provided in a different format, searching against this date will produce poor results. The publication date can also be "Unknown" or "Unpublished material". If appropriate, you should also provide information about the edition, the series name and issue]

20050706

Currentness Record: [Need to know the currentness of the data in relation to the "ground condition"; that is, when the real world looked the way it is described by the data. For example, for a remotely sensed image the currentness reference would be "ground condition" and the time period would be the date the image was created. Other types of data might be collected on several different dates or over an extended period of time.]

Based on Wildland Consultants Ltd 1999, and the RDAM 2003 orthophotographs.

Progress: [The current state of the data; this element's value must be one of the choices below.]

Complete

Update Frequency: [The frequency with which changes and additions are made to the data after it is initially completed. This element's value can be one of the choices below or you can type in text describing when the data is updated.]

None planned

Key Words for:

Theme: [Describe the subject of the data, such as pipes or vegetation.] Significant natural areas.

Place: [Describe the geographic location of the data, such as Essex County or Yellowstone National Park.]

Opotiki District

Stratum: [Describe the vertical location of the data, such as seafloor or stratosphere.] Terrestrial

Temporal: [Provide a time reference for the data, such as pre-Columbian or World War II.] 1999

DATA SET CONTACT DETAILS

Contact Organisation: Wildland Consultants Limited

Contact Position: Sarah Beadel, Director

Programme: Environment Bay of Plenty to complete

Contact Address:

Ph.: 07 3439017

Fax.: 07 3439018

Email: ecology@wildlands.co.nz

DATA QUALITY

Logical Consistency Report: [Logical consistency describes the topological integrity of the data. For example, do lines intersect only where intended? Are there any duplicate lines? Are any polygons too small? You may want to report the software used to test and verify the topological integrity of the data.]

Completeness Report: [Completeness includes information about omissions, selection criteria, generalization, definitions used, and other rules used to derive the data. For example, you may want to include information about thresholds such as the minimum area for polygons.]

Accuracy Report:

Positional Accuracy: Based on the accuracy of the RDAM 2003 orthophotographs provided by Environment Bay of Plenty. The hard copy maps in the 1996 report were presented at a range of scales (1:10,000-1:62,500).

Data Integrity: e.g. how accurately it represents what is actually on the ground. No fieldwork was undertaken as part of this project and not all sites were field checked in 1999.

Limitations: No fieldwork was undertaken during this project, and in the 1999 project, whilst many sites were field checked, some were not – see attached excerpt from the 1999 report.

“Existing information was compiled from published and unpublished sources (see References and Selected Bibliography). Aerial photograph coverage was obtained for the Opotiki District. Relatively recent photographs were available for entire area: Opotiki and Waioweka Ecological Districts 1995-96, Pukeamaru and Motu Ecological Districts 1991-93.

No field assessment was undertaken where existing information was adequate and regarded as being sufficiently recent to document and assess the relative significance of a site. For example, all of the Taneatua Ecological District had recently been assessed in a Protected Natural Area Programme (PNAP) survey (Beadel *et al.* 1996). The Motu and Pukeamaru Ecological Districts had been surveyed previously in PNAP surveys (Clarkson *et al.* 1986, and Regnier *et al.* 1988 respectively) and sites in these Ecological Districts were checked to ensure that boundaries were still appropriate and accurate. Relatively little information was available on the Waioweka and Opotiki Ecological Districts and a field survey was undertaken in these two areas. Most field survey work was carried out in Opotiki Ecological District.”

(from Wildlands Contract Report No. 185)

Source Information:

Source scale: 1:5,000

Type of source material: RDAM 2003 orthophotographs

Source citation : RDAM 2003 orthophotographs

Time period of source material: 1999 and 2003

Data Acquisition Method(s):

ATTRIBUTE INFORMATION

Attribute titles, values and descriptions: [Add a description of the attribute title as well as the values contained by each attribute]

1. NAME: Name (most appropriate name if sites has had different names in the past)

2. SITE_NO: Unique identifier (site number) (this would be a new number so each site throughout the region would have a unique number)
3. SNA_UNPROT: SNA – unprotected (site number from report)
4. UNPSNA_REF: Source (report)
5. SNA_PROT: SNA – protected (site number from report)
6. PROSNA_REF: Source
7. RAP_NO: RAP number
8. RAP_REF: Source
9. ED_1_50000: Ecological District
10. 03_Ha: Area (ha)
11. DIG_SCALE: Digitised Scale
12. BASE_MAP: Base Map
13. FIELD_CHK: Field check needed
14. CHNG_XTNT: Extent (broad comment on any change in extent since reference document completed)
15. COMMENT: Other relevant information

METADATA REFERENCE

Metadata date:

20050706

Contact Organisation:

Wildland Consultants Limited

Contact Position: [The party who is responsible for the metadata must be included as the metadata contact; they should be able to answer questions about or receive reports about errors in the metadata.]

Sarah Beadel, Director

Contact Address:

Ph.: 07 3439017

Fax.: 07 3439018

Email: ecology@wildlands.co.nz

FURTHER METADATA INFORMATION

Related Information:**General Notes:**

Document Links:

Wildland Consultants Ltd 1999: Natural heritage of Opotiki District. *Wildland Consultants Ltd Contract Report No. 185*. Prepared for Opotiki District Council and Environment BOP. 559 pp.