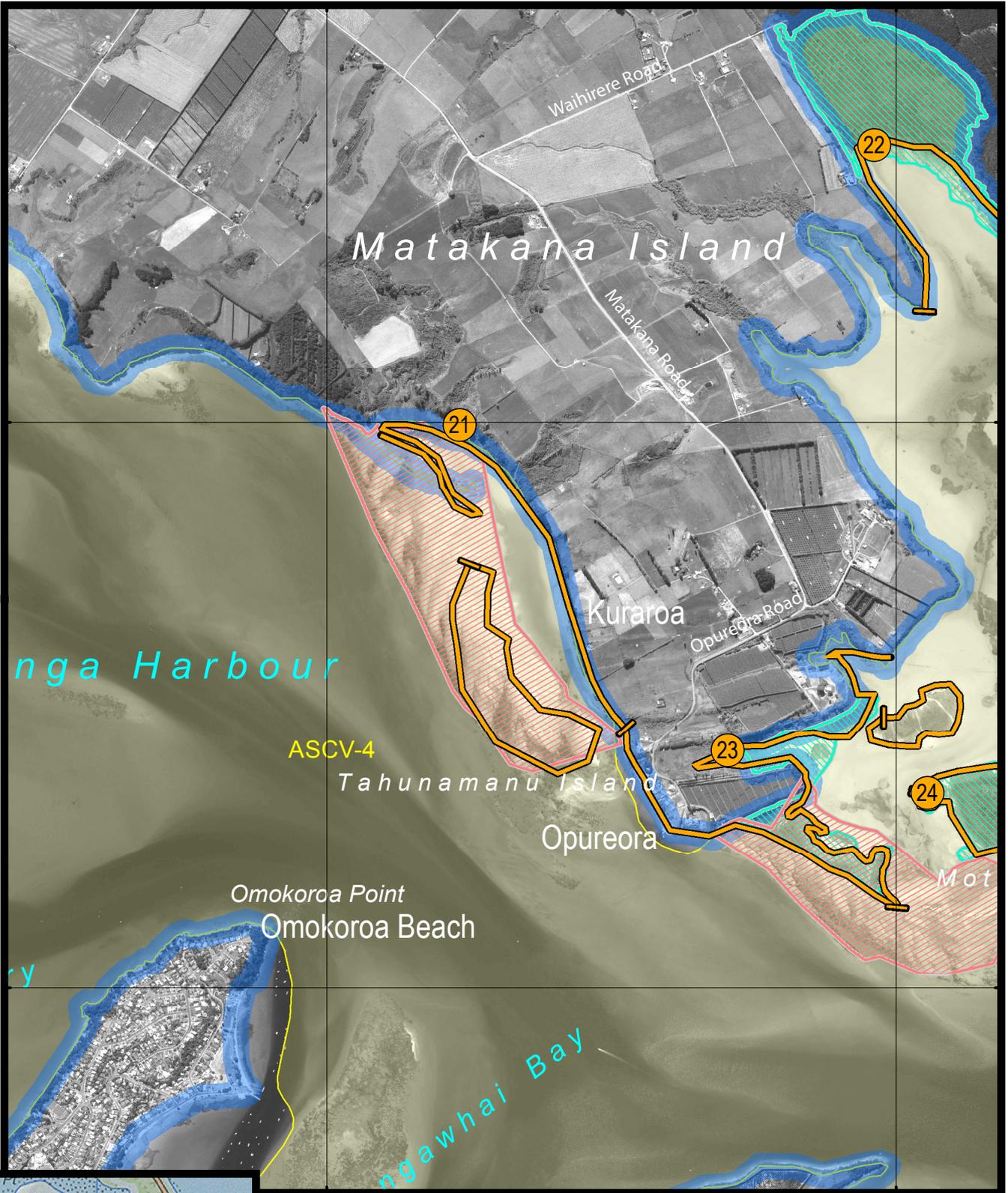


Site 21	Tahunamanu Spit/Island	Risk ranking: 1
DESCRIPTION		
Sand spit and sand island 1 km long, extensive tidal areas around island, tidal flows, low energy areas, wind predominantly westerly. Pampass and some other vegetation on island.		
Foreshore type/environmental value	Intertidal sand flats running up to sand island exposed at high tide All shore segments have “habitat value” All intertidal areas are identified in the Regional Coastal Plan as areas of significant conservation/cultural value	
Map sheets	NZ Topo 50 BD36 Lower Kaimai	Chart Number NZ 541
Segments	TAU – 00880 to TAU – 00900	
At Risk resources		
<ul style="list-style-type: none"> • Extensive shellfish beds, surrounding sand flats support a wide range of wading birds (e.g. knots and godwits (kuaka)) • Nesting New Zealand dotterel (tuturiwhatu) and caspian tern (taranui) on island and spit • Cultural resources: Mahinga kai 		
Notes		
Minimum public use.		
Actions		
<ul style="list-style-type: none"> • Consider pre-emptive capture of New Zealand dotterels • Discuss pre-clean-up of intertidal debris - tidal range specific – with wildlife team • Shoreline clean-up – the spit with birds removed is a good location for shoreline clean-up and removal of repeated oiling will assist in the reduction of free oil in Tauranga Harbour (see STM for Sandy Beaches Shoreline Clean-up) • Consider pre-emptive capture of wildlife generally • Activation of oiled wildlife response collection teams if required 		
Access		
Boat access to island, foot access to spit from Matakana Island.		

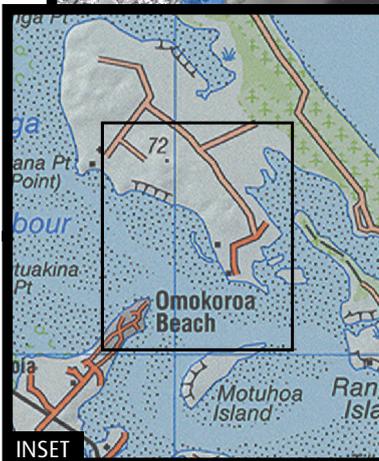
Preferred Response Option Matrix

	Most preferred	Least preferred	Feasibility
Containment and Recovery	Medium		Moderate tidal flow - possible
On water Recovery	High		Possible with ORV or similar system
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Water depth won't allow
Shoreline Clean-up	High		Good option, access by boats
Natural Recovery	Medium		Ongoing monitoring after initial clean



6395000

6392500



LEGEND

-  SCAT Sites
-  Shorebird Roosts
-  Site District of Local Significance
-  Coastal Habitat Preservation Zone
-  Beach Accessways
-  Area Sensitive to Coastal Hazards
-  ASCV-4 Area of Significant Conservational Value

SITE 21 Tahunamanu Spit/Island

Oil Spill Management Plan



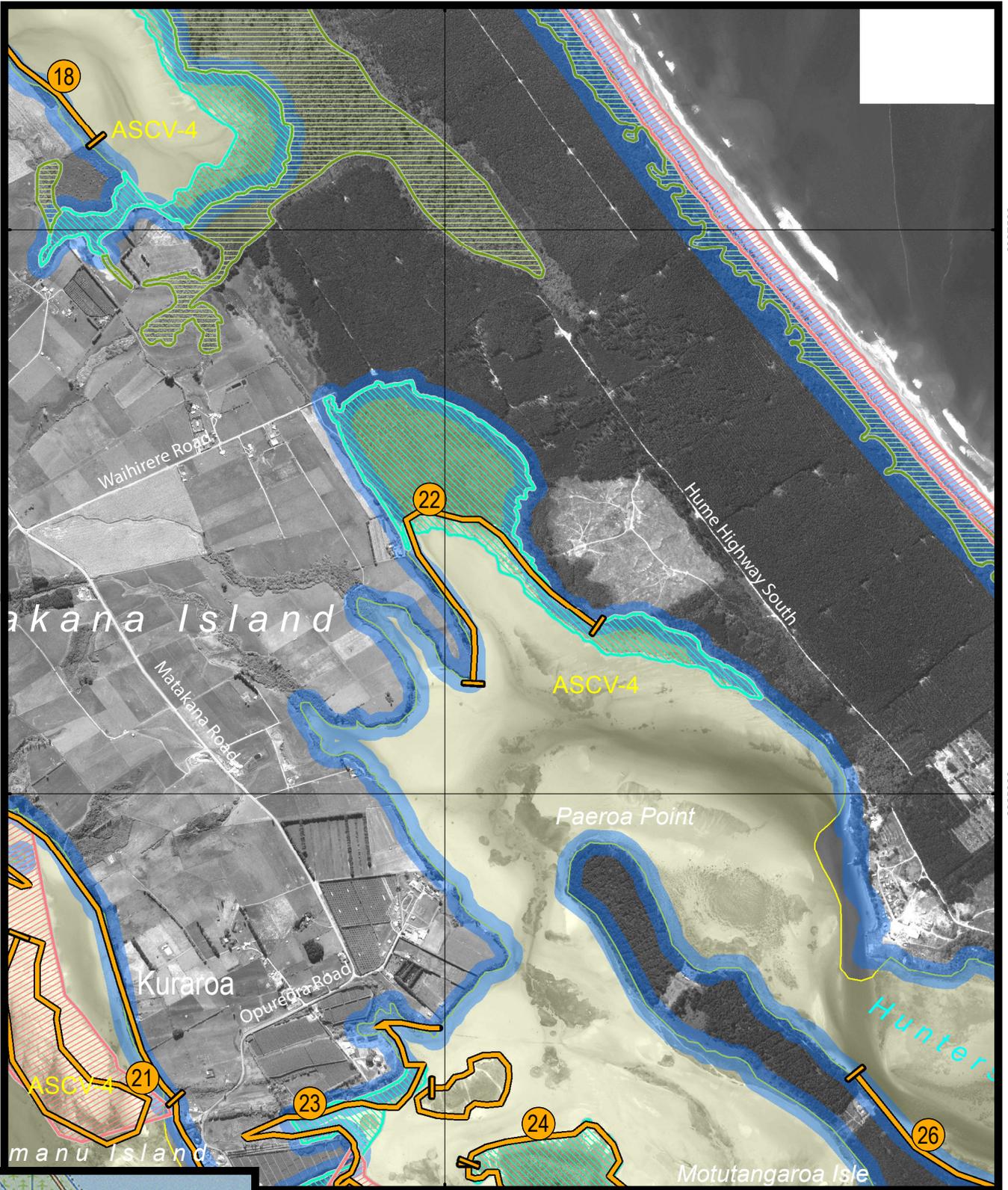
GIS_462103 - May 2014 © The Bay of Plenty Regional Council
 © Land Information New Zealand's Digital Cadastral Database (DCDB)
 CROWN COPYRIGHT RESERVED. Digital Licence No TL/ENV01/01
 New Zealand Map Grid
 Aerial Photos flown summer of 2011



Site 22	Hunter Creek	Risk ranking: 1
DESCRIPTION Saltmarsh and mangrove edge, upper end Hunters Creek, shallow intertidal flats, low energy tidal movement.		
Foreshore type/environmental value	Shallow intertidal flats All shore segments have “habitat value” All intertidal areas are identified in the Regional Coastal Plan as areas of significant conservation/cultural value	
Map sheets	NZ Topo 50 BD36 Lower Kaimai	Chart Number NZ 541
Segments	TAU-00990	
At Risk Resources		
<ul style="list-style-type: none"> Wetland birds, fernbird (mātātā), banded rail (katakaitai), flounder (pātiki), pukeko Cultural site/values: Kaimoana collection, mahinga kai Culturally important fishing area 		
Notes Oil that enters the low energy systems of this estuary will remain for some time. Oil will harm intertidal and sand flats habitat.		
Actions		
<ul style="list-style-type: none"> Prevent/minimise oil ingress into this system This area is a high priority for ongoing beach clean-up Notify wildlife team of potential for oiling Consider pre-emptive capture of wildlife generally Activation of oiled wildlife response collection teams if required 		
Access Vehicle and foot access off Hume Highway, Matakana Island.		

Preferred Response Option Matrix

	Most preferred	Least preferred	Feasibility
Containment and Recovery	High		Deflection and containment booms possible
On water Recovery	High		Shallow and tidal, possible at entrance of creek
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Depth won't allow
Shoreline Clean-up	High		Good beach access
Natural Recovery	Medium		Ongoing monitoring



LEGEND

-  SCAT Sites
-  Shorebird Roosts
-  Site District of Local Significance
-  Coastal Habitat Preservation Zone
-  Beach Accessways
-  Area Sensitive to Coastal Hazards
-  Area of Significant Conservation Value

SITE 22 Hunter Creek Oil Spill Management Plan



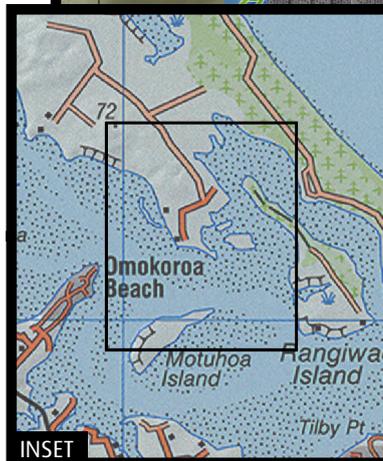
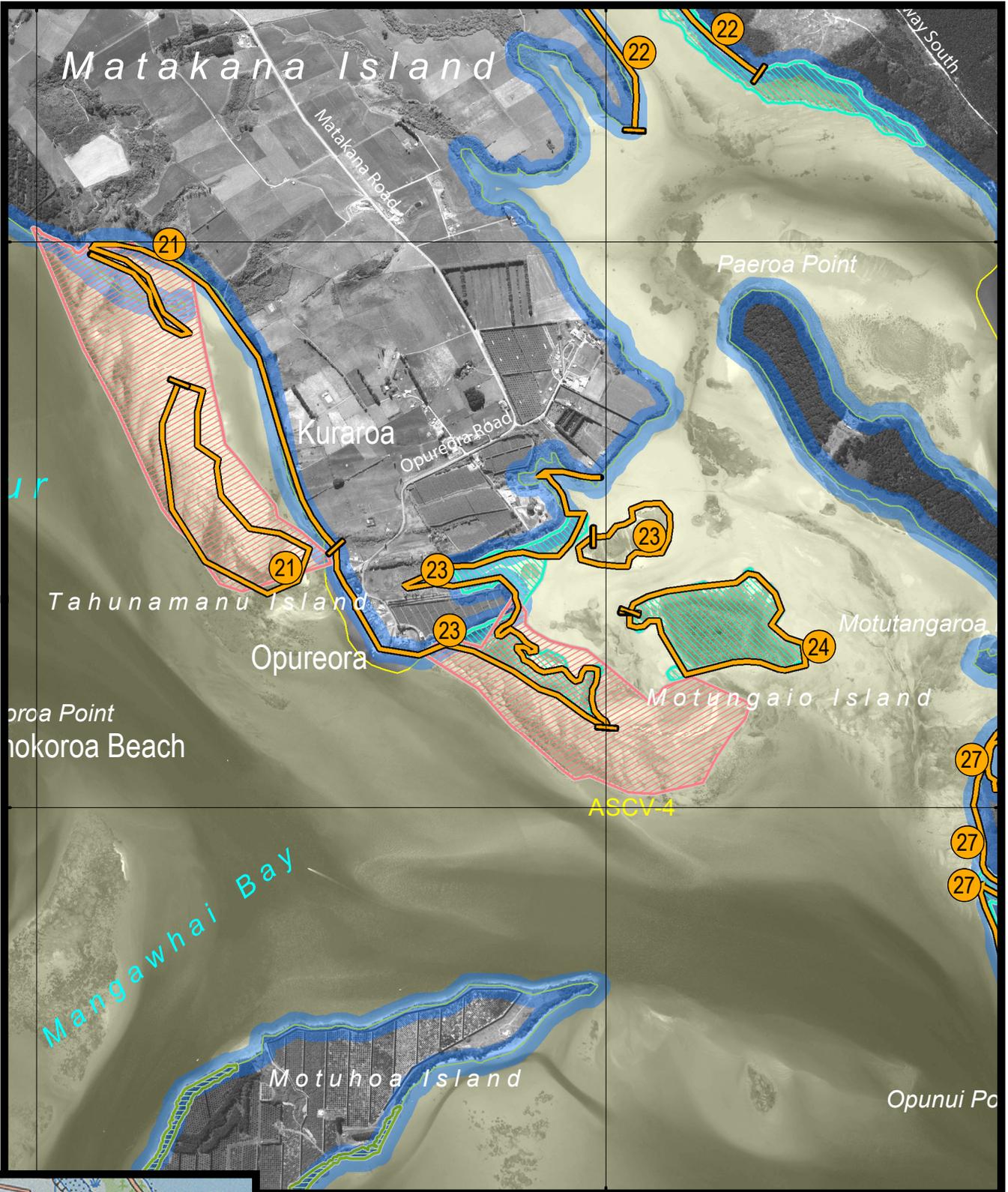
GIS_462103 - May 2014 © The Bay of Plenty Regional Council
 © Land Information New Zealand's Digital Cadastral Database (DCDB)
 CROWN COPYRIGHT RESERVED. Digital Licence No TL/ENV01/01
 New Zealand Map Grid
 Aerial Photos flown summer of 2011



Site 23	Opureora Spit	Risk ranking: 1
<p>DESCRIPTION Sand spit, saltmarsh and jointed rush, surrounded by intertidal sand flats.</p>		
<p>Foreshore type/environmental value</p>	<p>Sand spit All shore segments have “habitat value” All intertidal areas are identified in the Regional Coastal Plan as areas of significant conservation/ cultural value</p>	
<p>Map sheets</p>	<p>NZ Topo 50 BD36 Lower Kaimai</p>	<p>Chart Number NZ 541</p>
<p>Segments</p>	<p>TAU-00910 to TAU-000950</p>	
<p>At Risk Resources</p> <ul style="list-style-type: none"> • Wading birds nesting and roosting site, including: variable oystercatcher (tōrea pango), godwit (kuaka), knots, white-faced heron (matuku-moana), New Zealand dotterel (tuturiwhatu), fern bird (mātātā), marsh crake (koitareke), spotless crake (pūweto) • Mangroves • Jointed rush • Saltmarsh • Mud/sand flats • Fish habitat including: flounder (patiki) • Cultural resources: Mahinga kai 		
<p>Notes Where possible, oil should be prevented from entering the Tauranga Harbour</p> <p>Actions</p> <ul style="list-style-type: none"> • Prevent/minimise oil ingress into this system • Consider collection and recovery on sandy areas • Notify wildlife team of potential for oiling • Discuss pre-clean-up of intertidal debris - tidal range specific – with wildlife team • Consider pre-emptive capture of New Zealand dotterel • Consider pre-emptive capture of wildlife generally • Activation of oiled wildlife response collection teams if required 		
<p>Access On Matakana Island, access from Opureora boat ramp, walk east around harbour edge.</p>		

Preferred Response Option Matrix

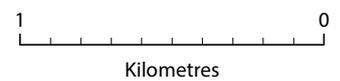
	Most preferred	Least preferred	Feasibility
Containment and Recovery	High		Use natural collection points
On water Recovery	High		Shallow water
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Shallow water
Shoreline Clean-up	Medium		Good
Natural Recovery	Medium		Ongoing monitoring



LEGEND

	SCAT Sites
	Shorebird Roosts
	Site District of Local Significance
	Coastal Habitat Preservation Zone
	Beach Accessways
	Area Sensitive to Coastal Hazards
	Area of Significant Conservational Value

SITE 23 Opureora Spit Oil Spill Management Plan



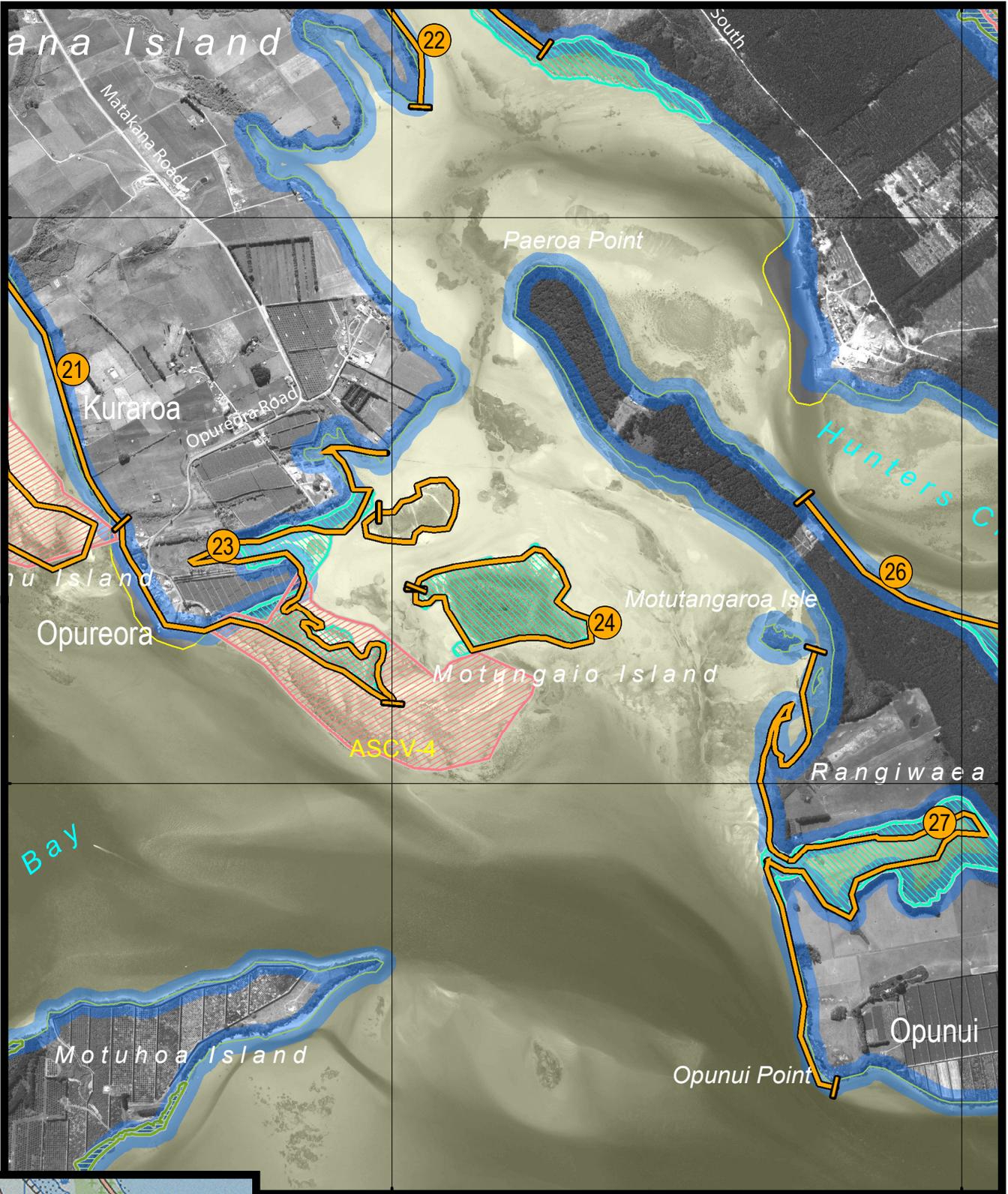
GIS_462103 - May 2014 © The Bay of Plenty Regional Council
 © Land Information New Zealand's Digital Cadastral Database (DCDB)
 CROWN COPYRIGHT RESERVED. Digital Licence No TL/ENV01/01
 New Zealand Map Grid
 Aerial Photos flown summer of 2011



Site 24	Motungaio Island	Risk ranking: 3
DESCRIPTION Motungaio Island is a 20 ha island that is exposed at low tide within the Tauranga Harbour. It is located between Omokoroa and the southern end of Matakana Island. Motungaio is a good example of a vegetation sequence grading from saltmarsh to manuka scrub and forest.		
Foreshore type/environmental value	Sandy, muddy shores, riparian vegetation Habitat, shoreline, contact	
Map sheets	NZMS 260 Series BD 36 Lower Kaimai	Chart Number NZ 541
Segments	TAU-00930	
At Risk Resources <ul style="list-style-type: none"> Banded rail (katakaitai), North Island fern bird (mātātā), flounder (pātiki) All intertidal areas are identified in the Regional Coastal Plan as areas of significant conservation/cultural value Cultural Values: Mahinga kai, site of significance 		
Notes Where possible, oil should be prevented from entering the Tauranga Harbour		
Actions <ul style="list-style-type: none"> Prevent/minimise oil ingress into this system Notify wildlife team of potential for oiling Consider pre-emptive capture of wildlife generally Activation of oiled wildlife response collection teams if required 		
Access <ul style="list-style-type: none"> Via boat at high tide Via foot from Opureroa on Matakana Island at low tide 		

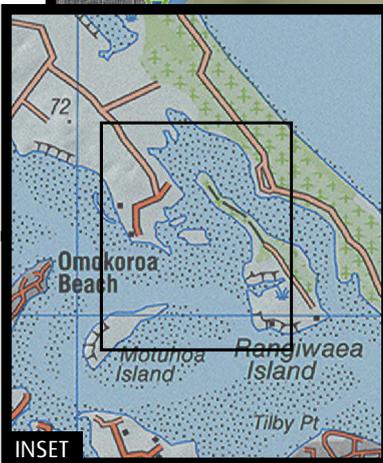
Preferred Response Option Matrix

	Most preferred	Least preferred	Feasibility
Containment and Recovery	High		Unlikely to work due to tidal movements
On water Recovery	High		Possible with ORV or similar
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Water depth won't allow
Shoreline Clean-up	Medium		Only possible at low tide
Natural Recovery	High		This area covers and uncovers with the tide.



6395000

6392500



LEGEND

-  SCAT Sites
-  Shorebird Roosts
-  Site District of Local Significance
-  Coastal Habitat Preservation Zone
-  Beach Accessways
-  Area Sensitive to Coastal Hazards
-  Area of Significant Conservational Value

SITE 24 Motungai Island

Oil Spill Management Plan



GIS_462103 - May 2014 © The Bay of Plenty Regional Council
 © Land Information New Zealand's Digital Cadastral Database (DCDB)
 CROWN COPYRIGHT RESERVED. Digital Licence No TL/ENV01/01
 New Zealand Map Grid
 Aerial Photos flown summer of 2011

