Site 31	Mauao - Mt Maunganui	Risk ranking: 1	
DESCRIPTION			
	al zone surrounding a volcanic plu Iount Maunganui main beach. It is	g forming the south headland of particularly important to lwi for seafood	
Foreshore type/environmental value	Mauao - Intertidal zone with a bedrock platform terrace and extensive boulders with steep terrestrial sediment banks in the Supratidal zone. Shell beaches at the eastern end.		
	Mount Maunganui main beach – sand beach.		
	Habitat-shoreline, intertidal / food / contact surfaces.		
Map sheets	NZ Topo 50 Chart Number		
	BD37 Tauranga	NZ5412	
Segments	BOP 00010+		

#### At Risk Resources

- Site of cultural and spiritual significance to lwi. This site is included in Te Maunga Mauao Mataitai (local kaimoana management) and is of special cultural significance as a food source
- Significant breeding sites for blue penguin (breeding August–March) and grey-faced petrels (breeding June January) and feeding and roosting and nesting for, pied shag (breeding September–February), feeding for reef heron.
- Fur seal (kekeno) haul out all around the island
- Extensive shellfish gathering
- Fishing takes place off most points where access is available
- The site is a major tourist attraction with a public walkway all the way around the Mount

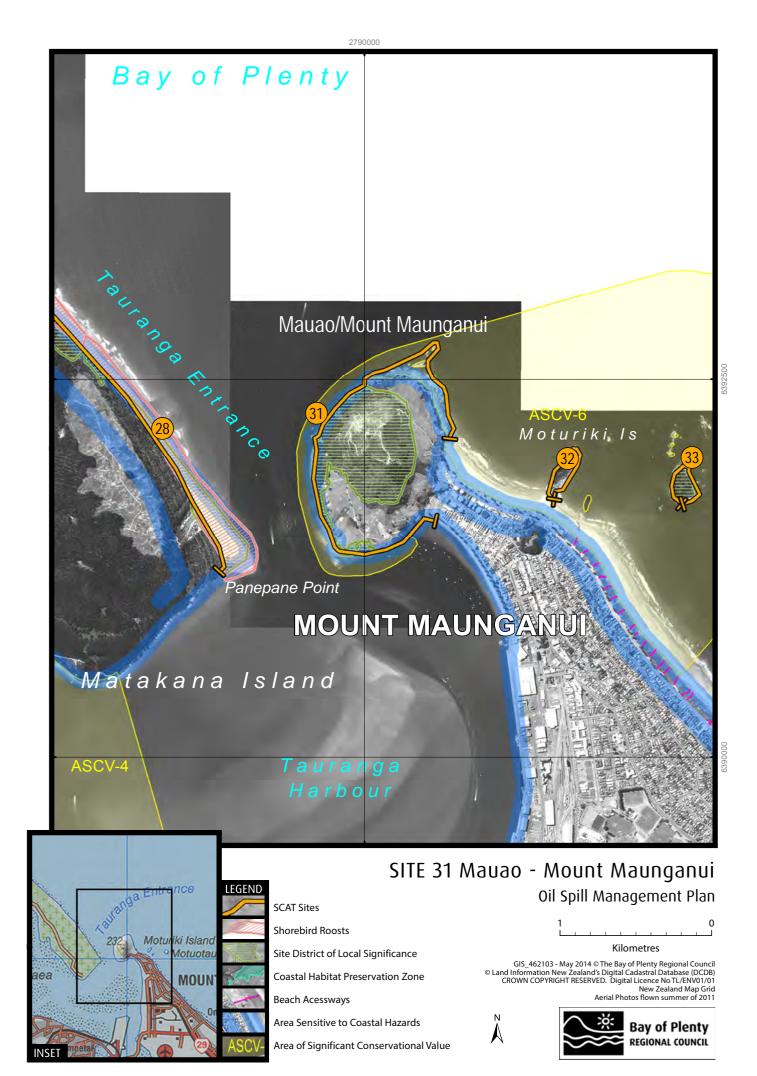
#### Notes and preferred protection and clean-up options

- Oil may be difficult to remove from the shoreline. Oil in rock crevices may be difficult to remove. High probability contact surfaces in the vicinity of known penguin runways and need to be cleaned to a high standard – removal of all oil. A range of techniques should be tested, note that aggressive techniques such as warm high pressure water may be required. Due to potential impact on other organisms by aggressive techniques should be only be used in well-defined high priority areas.
- Other parts of the Mount should be treated as habitat and oil removed by scraping and wiping (and hand picking on shell beaches) to remove the potential for secondary oiling.

#### Access

Nearest boat ramp is Pilot Bay, Tauranga Harbour. Walkways around the mount provide easy access and can be used by light vehicles and ATV. Good road access to main beach.

	Most preferred	Least preferred	Feasibility
Containment and Recovery	High		Not possible in the high flow channel areas
On water Recovery	High		Possible with ORV or similar if conditions suitable
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Refer Dispersant Guidelines
Shoreline Clean-up	High		Penguin runways and all mobile oil, beaches
Natural Recovery	Low	Penguin runways	Inaccessible areas; non- mobile stain areas only



Site 32	Moturiki (Leisure) Island	Risk ranking: 3	

#### DESCRIPTION

Moturiki (Leisure) Island is a 3.1 ha rocky outcrop connected to the east of Mount Maunganui Beach by a short sand spit. It is situated about 500 m from Motuotau (Rabbit) Island. The Island extends seaward with steep large boulder sides, becoming gradually steeper towards the northern end.

The prevailing northerly winds expose the seaward end of the island. Reflection of waves from the Mount Maunganui beach on the west side of the island creates more turbulence.

Segments	BOP-00025		
	BD37 Tauranga NZ541; NZ5411		
Map sheets	NZ Topo 50 Chart Number		
	All shore segments have "habitat value".		
Foreshore type	Boulders, rock pools, exposed bedrock and cliffs.		

#### At Risk Resources

- Little blue penguins (kororā), accessing on rocks
- Red-billed gulls (akiaki) nationally vulnerable
- Common diving petrel and storm petrel breeding
- Black-backed gull (karoro) nationally vulnerable
- Cultural sites/resources:
  - Waahi Tapu site covers the island

#### Notes

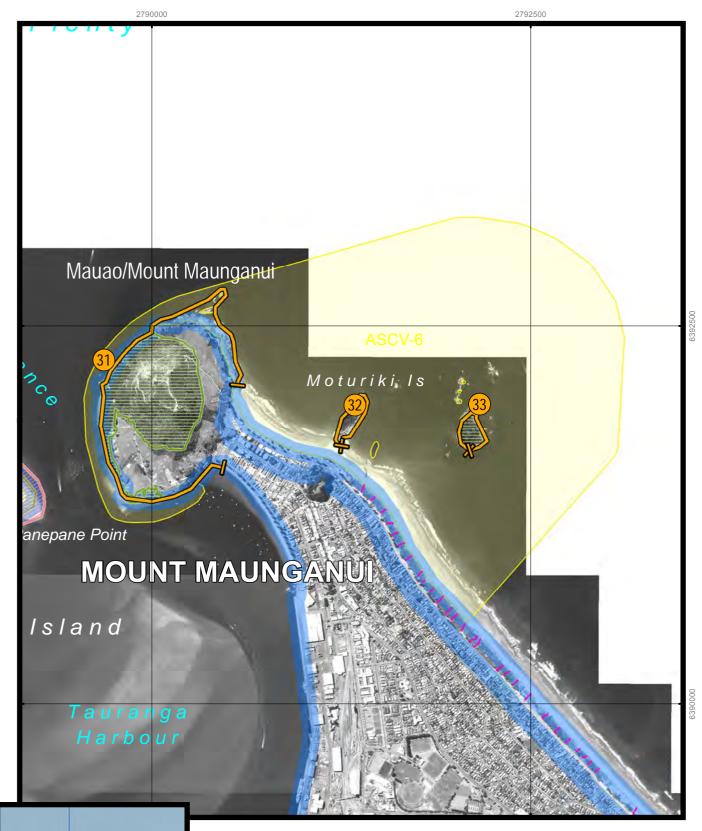
#### Actions

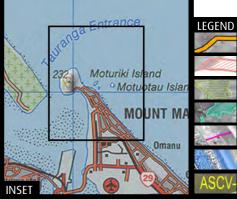
- Any bulk oil should be removed as a priority to prevent remobilisation to cleaner areas
- Notify wildlife team of potential for oiling
- Consider pre-emptive capture of wildlife generally
- Activation of oiled wildlife response collection teams if required

#### Access

Via sand spit on foot or boat.

	Most preferred	Least preferred	Feasibility
Containment and Recovery	High		Deflection booms if weather allows
On water Recovery	High		ORV or similar vessels
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Off-shore option
Shoreline Clean-up	High		Reasonable access to foreshore, especially penguin areas
Natural Recovery	Medium		Weather may lead to this as an end option





ND SCAT Sites Shorebird Roosts Site District of Local Significance Coastal Habitat Preservation Zone Beach Acessways Area Sensitive to Coastal Hazards

#### Area of Significant Conservational Value

# SITE 32 Moturiki (Leisure) Island Oil Spill Management Plan

# 1 0 Kilometres

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#### Site 33

#### Motuotau (Rabbit) Island

**Risk ranking: 1** 

#### DESCRIPTION

Motuotau (Rabbit) Island is 3.1 ha and is located due west of Mount Maunganui and about 500 m west of Moturiki (Leisure) Island. The island is surrounded by fringing reef outcrops on the northern side and submerged reefs to the east, extending towards Motiti Island. On the northern, seaward end of the island, fringing rock outcrops occur and break the surface in places.

The entire island is a Waahi Tapu site and an rāhui (or closure) applies to the removing of greenlipped mussels from the area between Moturiki and Motuotau. The intension behind the rāhui is to conserve the green-lipped mussel for future populations in the area. The rāhui is in response to local Māori and community concerns.

Foreshore type	Boulders, rocky outcrops, rock pools, exposed bedrock and cliffs. All shore segments have "habitat value".		
Map sheets	NZ Topo 50 Chart Number		
	BD37 Tauranga NZ541; NZ5411		
Segments	BOP-00035		

#### At Risk Resources

- Little blue penguins (kororā) at high density, access via rocky coast
- Diving petrels at high density, breeding August-February
- Grey-faced petrels (breeding June–January), access via rocky coast
- Fluttering shearwater (pakahā)
- Fur seal haul out
- Cultural sites/resources:
  - The entire island is a Waahi Tapu site

#### Notes

• Pest free scenic reserve managed by DOC. Biosecurity protocols prior to landing.

#### Actions

- Any bulk oil should be removed as a priority to prevent remobilisation to cleaner areas
- Notify wildlife team of potential for oiling
- Consider pre-emptive capture of wildlife generally
- Activation of oiled wildlife response collection teams if required

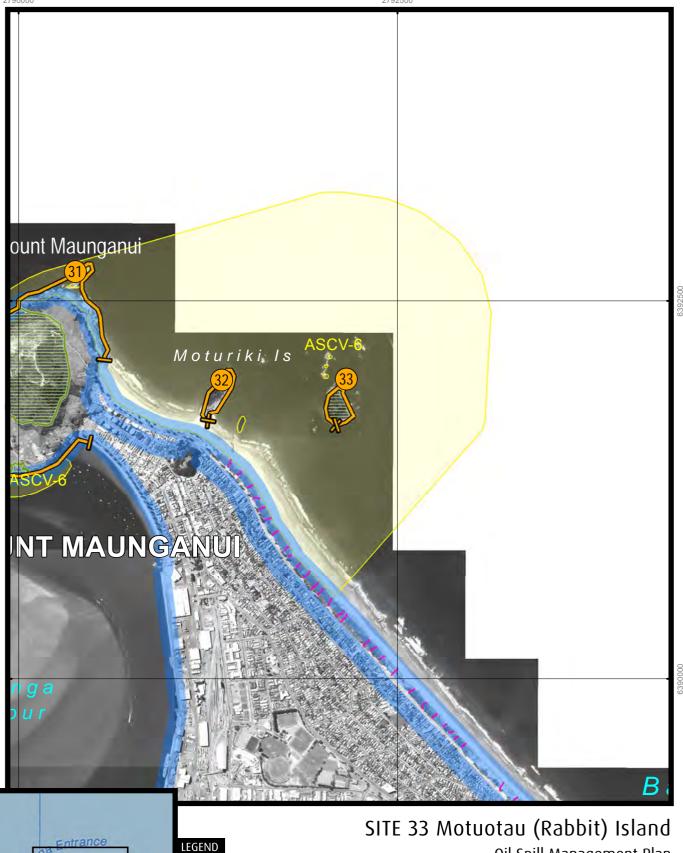
#### Access

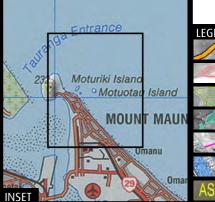
Boat - small landing beach on south west corner.

Island has many tern burrows - stick to marked trails, to minimise burrow collapse.

	Most preferred	Least preferred	Feasibility
Containment and Recovery	High		Deflection booming may assist but weather dependent
On water Recovery	High		ORV or similar vessel, weather dependent
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Off-shore possible
Shoreline Clean-up	High		Large portions of the island not accessible
Natural Recovery	Medium		Some areas will require natural recovery







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

# Oil Spill Management Plan

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Site 34	Waikareao Estuary	Risk ranking: 1		
DESCRIPTION				
Saltmarsh with extensive	boardwalk through the middle, low ene	ergy tidal flow.		
Foreshore type	Saltmarsh with surrounding mangrov	Saltmarsh with surrounding mangrove edge		
	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 Top 50 Chart Number			
	BD37 Tauranga NZ 541			
Segments	TAU-00300, TAU-00310			

#### At Risk Resources

- A range of wetland birds, fernbird (mātātā), transient bittern (matuku hūrepo), spotless crake (pūweto) and marsh crakes (koitareke), banded rail (kataitai), white faced heron (kōtuku), pukeko
- Areas at low tide for red-billed gulls (akiaki) and oystercatcher (torea)
- Cultural resources: Mahinga kai

#### Notes

- High public use
- Where possible, oil should be prevented from entering the Tauranga Harbour

#### Actions

- · 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

# Note the following notes re potential protection of the site made close to the time of the grounding of the Rena.

- If Motuopae Island is affected by oil do not attempt to clean, contact Council lwi Liaison
- Investigate setting deflection boom in the vicinity of the Tauranga underwater club
- Investigate setting corresponding collection boom with collection site on the sand between rail and road bridge, or at closest practical position
- If oil accumulates at collection points, establish collection at low tide

#### Tasks

 Set two booms using land sea boom, rapid deployment boom or harbor boom, with absorbent booms sections over rip rap

#### Personnel

- Trained oil spill responders to be deployed from vicinity of Shed 8, Hull Road Port of Tauranga/ equipment
- Sorbent boom: eight times 3 m lengths
- Land sea boom one box: 80 m
- Harbour boom: four boxes (includes necessary anchors etc)

#### Staff

• Four trained equipment operators

#### Vessels for boom deployment

- Small power driven vessel required, preferably with shallow water capability
- Skipper of vessel required

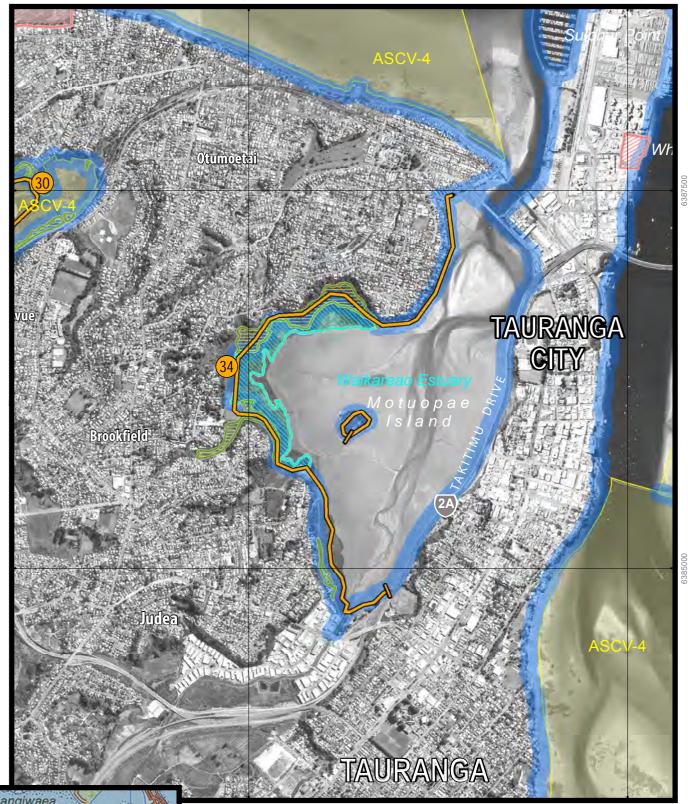
#### Transport

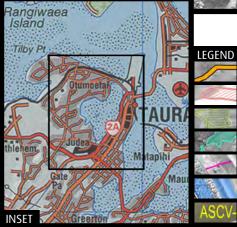
• Necessary for equipment handlers

#### Access

- Boardwalk and walking tracks, vehicle access from Pillans Point
- Note that access safety is an issue if action undertaken, assess for safety plan deep muddy substrate in estuary
- No access onto island- work around the outside, limit substrate disturbance

	Most preferred	Least preferred	Feasibility
Containment and Recovery	High		Good access, use booms before rail and road bridges.
On water Recovery	High		Good but tidal
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Water depth won't allow
Shoreline Clean-up	Low		Work with Iwi liaison
Natural Recovery	Medium		Work with Iwi liaison





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

# SITE 34 Waikareao Estuary Oil Spill Management Plan

Kilometres

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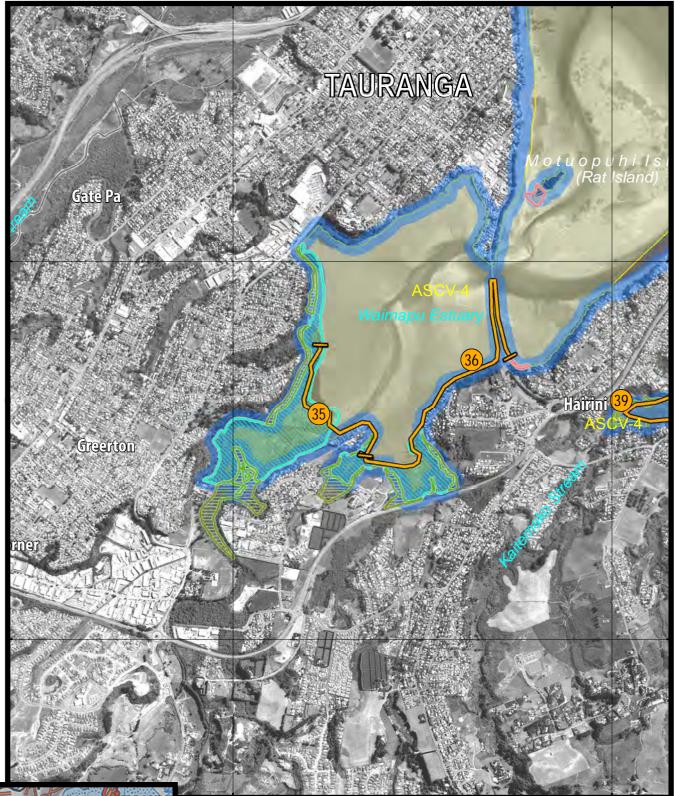


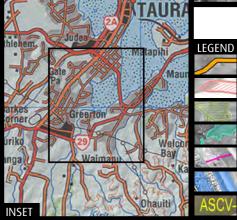


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Site 35	Waimapu – Yatton Park Risk ranking: 3			
DESCRIPTION				
	around the perimeter and cliffs behind. T ite. The river is tidal up to the Oropi Golf			
Foreshore type/environmental value	Sand, mudflat, riverbank, riparian vegetaton, intertidal habitat. Habitat (intertidal), contact. All shore segments have "habitat value".			
Map sheets	NZ Topo 50	Chart Number		
	BD37 Tauranga	NZ541		
Segments	TAU-00180			
At Risk Resources				
Banded rail (kataitai); north island fern bird (mātātā)				
• All intertidal areas are identified in the Regional Coastal Plan as areas of significant conservation/cultural value				
Flounder (patiki); oysters (tio)				
Notes				
Where possible, oil should	be prevented from entering the Taurang	a Harbour.		
Actions				
Notify wildlife team of potential for oiling				
Consider pre-emptive capture of wildlife generally				
Activation of oiled wildlife response collection teams if required				
Access				
Via Yatton Park/Fraser Street or Windermere Drive, access via the Bay of Plenty polytechnic.				

	Most preferred	Least preferred	Feasibility
Containment and Recovery	Medium		Booming of the stream possible, other areas shallow and tidal
On water Recovery	Medium		Shallow water, area dries
Dispersant Application	Low	Requires escalation to Tier 3 and MNZ approval	Water depth won't allow
Shoreline Clean-up	Medium		Limited access
Natural Recovery	Medium		Limited public access





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

### SITE 35 Waimapu –Yatton Park Oil Spill Management Plan

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