

Hawke's Bay Marine Oil Spill Contingency Plan

Annex 1 Equipment and Resources



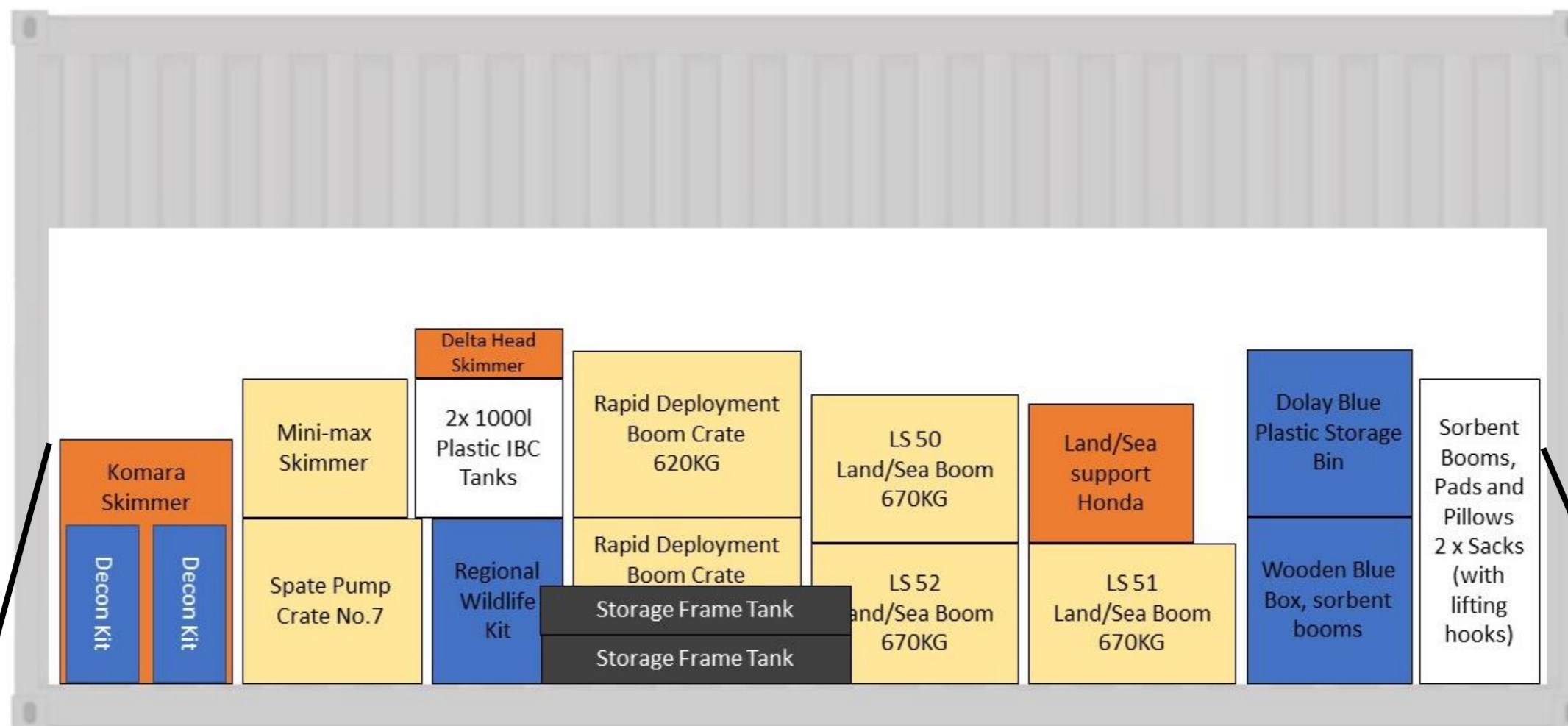
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Maritime NZ Marine Oil Spill Equipment – Container storage plan (Front elevation)

LOCATION: In a dedicated Spill Response Container (9'6" 40" # FXLU8141038), situated in the twist lock station opposite Shed 1 Triangle, within Napier Port



Notes:

Container opens from either end

Crate contents label should face outwards

Equipment requiring quarterly maintenance placed at container ends

Contacts:

Access, Forklift, Forklift Ramp, Transportation etc Contact the Duty Safety Advisor via 06 833 4317

Regional On-Scene Commanders:

06 835 9200 or 0800 108 838



Annex 1 – Equipment and Resources

1.1 Overview

This Annex outlines oil spill response equipment and resources that are available for use in the event of a Tier 2 spill within Hawke's Bay. It includes;

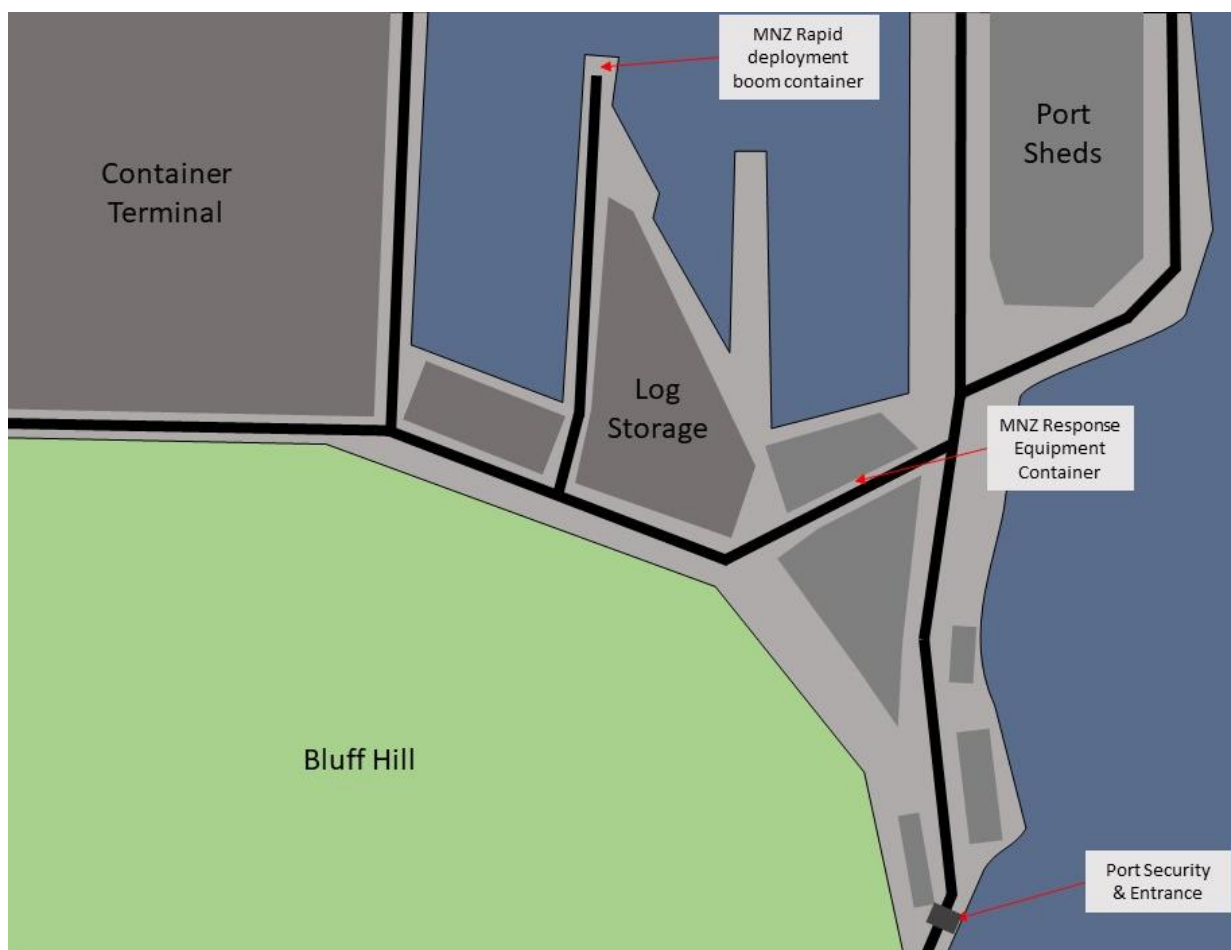
- specialised equipment owned by Maritime New Zealand;
- equipment and resources owned by the Hawke's Bay Regional Council and other organisations which could be made available in an event;
- identified locations that can be used in an event and outlines the resources available at these locations.

1.2 Oil Spill Response Equipment

1.2.1 Mobilisation of regional response equipment

Equipment Access

The regional oil spill response kit is located within the Port of Napier, as shown in the map below:



Napier Port Eastern Entrance and Response equipment location

The Napier Port Duty Safety Advisor (06 833 4317) should be contacted to organise access to the equipment for maintenance and response.

Accessing equipment during response should be arranged through Port Security upon arrival at the Eastern Entrance.

The MNZ Regional Response kit is located beside a main port road from the Eastern entrance to the Container terminal. Precaution should be taken when accessing the container, as there are regular

movements of trucks and other heavy equipment in the area. Ensure all vehicles are parked clear of the roadway and do not obstruct the route in any way. Traffic cones should be placed around the container to ensure the safety of those working beside the doors.

Transportation of equipment

Spill equipment may need to be transported to a variety of sites. This may be by land, sea or air depending upon the accessibility of the location. The equipment is stored in large boxes, with many items, such as booms, being large and heavy. Equipment may need to be unpacked prior to transportation to enable movement to the chosen destination.

The Regional Spill Response Container (9'6" 40" # FXLU8141038) is situated in the twist lock station opposite Shed 1 Triangle, within Napier Port. The Regional Spill Response Container can be moved within the Port to the area it is needed using a Napier Port Forklift, or unpacked and transported via flatbed truck.

Should the entire 40ft Regional Spill Response Container need to be moved within the Port, the Duty Safety Advisor (via 06 833 4317) can arrange for this to be done using port resources.

Should the equipment be required offsite, this can be done by either moving the entire container, or by unpacking and transporting via flatbed truck (which will require a Hi-Ab lifter). Where possible it is desirable to utilise an HBRC asset to undertake this. However, should a council truck be unavailable the HBRC Works Group should be contacted to arrange a contracted carrier used for other council works.

If the entire container is moved offsite this will require a forklift to remove the items, so it is best to unpack the container onto a flatbed truck with a Hi-Ab lifter should it need to move offsite, or ensure a forklift will be available at the destination.

It should be noted that large flatbed and container trucks are not 4WD drive, large and may be unable to easily access some response sites. In these circumstances it may be necessary to utilise HBRC 4X4 vehicles and trailers to move equipment from the truck to the response area.

When ordering any vehicles for movement of equipment offsite, ensure that:

- HBRC has been notified to confirm access arrangements
- Napier Port Security have been notified to enable access to the port
- The type of equipment, amount, weight and pick-up location is specified
- The truck is fitted with a Hi-Ab lifter or "Ringfeder" or a 1500kg trailer hitch for HBRC's pre-loaded trailers
- The destination and access conditions have been communicated to the driver
- The ETA of the equipment is confirmed with the driver
- If required, a forklift has been arranged at the destination for unpacking equipment

Mobilising equipment from other regions / Marine Pollution Response Services

Equipment from MNZ's Marine Pollution Response Services (MPRS), Auckland or another region may be mobilised in support of a Tier 2 response. This should be requested through the MNZ Oil Spill Duty Officer (OSDO) and will be subject to approval by the Director Maritime New Zealand.

Equipment will be dispatched using the fastest means available. Dispatch will most likely occur via road transport unless the situation is urgent. Travel time for delivery to Hawke's Bay from Auckland is approximately 9 hours.

Demobilisation of equipment




All equipment used in response will be required to be cleaned, checked and if necessary, repaired before repacking into the container. The HBRC Works Group can arrange for this work to be undertaken. Some equipment will need to go offsite to the Works Group for cleaning prior to being packed away in the container.





1.3 Maritime New Zealand Regional Response Equipment





1.3.1 Spill Response equipment

Maritime New Zealand maintains a regional response capability within Hawke's Bay based on the level of risk. This kit is available for use within the region for Tier 2 spills. Maintenance is undertaken by HBRC staff on a quarterly basis and annual checks are undertaken by MNZ staff to assess the equipment.

The equipment stored in Hawke's Bay by MNZ for regional response is listed below:

Equipment Type	Details	Additional information
<p>Land/sea boom</p> 	<p>240m total length. Stored in 3 crates of 4x20m lengths.</p>	<p>Each crate weighs 670kg and requires removal from the container to access. Stihl petrol blower required to inflate air chambers. Requires minimum of 4 people to deploy.</p>
<p>Rapid Deployment boom</p> 	<p>198m total length. Stored in 2 crates of 3x33m lengths.</p>	<p>Each crate weighs 620kg and requires removal from the container to access. Requires minimum of 4 people to deploy. Vessel and anchors required to secure seaward end (inc. in the crate)</p>
<p>Rapid Deployment boom</p> 	<p>297m total length in 9x33m lengths.</p>	<p>Stored in a separate container at the end of No.4 Wharf at Napier Port for Tier 1 and Tier 2 response requirements in the Napier Port and the inner harbour. Deployment straight into the water from the container. Requires a minimum of 2 people on land to deploy plus vessel with 2 personnel and anchors to secure seaward end of boom.</p>

Equipment Type	Details	Additional information
<p>Frame Tanks</p> 	<p>2 x 7.2t frame tanks in 2 crates</p>	<p>Crates can be moved by hand with 2 people. Assembly requires a minimum of 2 people. Requires a flat, level surface.</p>
<p>Komara 7k Skimmer & 12k powerpack</p> 	<p>Crate contains skimmer, powerpack and all connection hoses</p>	<p>Skimmer weighs 19kg and can be moved by 1 person.</p> <p>Powerpack is 195kg on wheels. Requires 2 people to deploy.</p> <p>Total crate weight is 550kg.</p> <p>Crate can only be accessed by removing from the container.</p>
<p>Minimax Weir Skimmer</p> 	<p>Crate contains skimmer, and connection hoses</p>	<p>Skimmer weighs 22kg and can be moved by 1 person.</p> <p>Crate can only be accessed by removing from the container.</p> <p>Requires 2 people to deploy.</p>
<p>Vikoma Delta Head Skimmer</p> 	<p>Crate contains skimmer head, connection hose with float and hose adaptor</p>	<p>System can be moved by one person.</p> <p>Requires use of a pump, or sucker truck to deploy.</p>

Equipment Type	Details	Additional information
<p>Spate Pump and ancillaries</p> 	<p>Crate contains spate pump with recovery capacity of 30 tonnes per hour, and all hoses</p>	<p>Pump weight is 80kg and requires 2 people to deploy. Crate weight is 202kg. Crate requires removal from container to access contents.</p>
<p>Honda Water Pump</p> 	<p>Water pump to assist with deployment of land sea boom and skimming</p>	<p>Pump weighs 26kg and should be moved using 2 people.</p>
<p>Stihl Blower</p> 	<p>Used to inflate land/sea boom. Can also be used to dry equipment after use.</p>	<p>Light weight easy operation. Requires 1 person to operate.</p>
<p>Sorbent Booms, pillows and pads</p> 	<p>1600 sorbent pads 60 sorbent pillows 48 sorbent booms (2m lengths)</p>	<p>Very effective with diesel and lighter oils. Easily deployed. Heavy when full of hydrocarbons.</p>

1.3.2 Wildlife response equipment

Each region is supplied with a wildlife response kit. It is intended as a start-up kit for responding to the immediate needs of a small number of birds in the initial stages of a spill. Most of the kit can be supplemented through local suppliers, such as NZ Safety. Some specialist equipment can be sourced through local veterinary services or MNZ. The contents of the kit are outlined below:

Equipment Type	Details	Additional information
Transport boxes	50	Transportation of birds
Matasorb (sorbent mats)	100	Lining bottom of transport boxes
Pillow cases	50	Holding birds before placing in transport boxes
Wildlife Collection tags	75	Labelling boxes (live) & Bags (dead)
Long handled dip nets	10	Net capture of birds
Tyvex suits - size M	3	PPE
Tyvex suits - size L	12	PPE
Tyvex suits - size XL	12	PPE
Tyvex suits - size XXL	3	PPE
Nitrile gloves (disposable) - size S	2 boxes	PPE
Nitrile gloves (disposable) - size M	2 boxes	PPE
Nitrile gloves (disposable) - size L	3 boxes	PPE
Safety sunglasses	20 pairs	PPE
PVC gloves	20 pairs	PPE
High visibility Safety Vests	20	PPE
Whistles	20	Attracting attention in the field
Hibitane/Hibiclens disinfectant - 500ml	1	Hand cleaning
Paper towels	10 rolls	Hand cleaning
Alcohol hand gel (small bottles)	20	Hand cleaning
Field note books (plastic paper)	10	Field notes
Pencils	20	Field notes
Field Guide to Birds of NZ	1	Species Identification
Infectious waste bags	20	Containing oiled PPE etc
Plastic leg bands for bird ID	50	Bird ID
Sharpie pens	10	Labelling
50ml syringes, without catheter	20	Oral fluid administration
20ml syringes, without catheter	15	Oral fluid administration
10ml syringes, without catheter	15	Oral fluid administration
Roll of silicone tubing	20 m	Oral fluid administration

Equipment Type	Details	Additional information
Cotton buds	5 pkts	Cleaning oil from eyes and mouth
0.9% NaCl (500ml bottle)	2	Cleaning oil from eyes and mouth
Squeeze bottles	3	Cleaning oil from eyes and mouth
Digital thermometer	1	Cloacal temperature taking
Electrolytes, powder		Oral fluid administration
Plastic bags	100	Holding dead birds
Cable ties, 200mm	100	Sealing bags
Cable ties, 100mm	100	Sealing bags
Clipboards	5	
Writing Pads	5	
Nylon rope - 4mm 30m	2	
Animal admission logs in folder	60	Complete for each animal
Register of equipment (in and out)	1	
Stock rotation schedule	1	
Audit checklist	1	
Non-tamper plastic sealing tag	1	
Bird scare tape	5 rolls	Hazing
Sports horn	1	Hazing
Nitrile gloves – check expiry dates during audit and replace as necessary		

Additional wildlife response equipment is held at Massey University in Palmerston North. This includes a wildlife response trailer with enough equipment to support the rehabilitation of 50 birds and PPE for 20 responders. Mobilisation of this resource and specialist oiled wildlife response personnel should be done through contacting the OSD0 on 04 473 6369.

1.4 Hawke's Bay Regional Council Response Equipment

Hawke's Bay Regional Council has a variety of equipment that can be utilised in support of a regional spill response. These items are listed below:

Equipment Type	Details	Additional information
Inflatable rapid deployment boom	20m	Single length of boom on a roll. Kept in Spill Response Trailer at Guppy Road Depot
Sorbent booms and pads		Kept on spill response trailer at Guppy Road Depot
Flood pumps (various types)	Tractor mounted Stand alone	High-capacity pumps for moving large volumes of liquid
1300 litre tanks (Mobile diesel)	9 tanks	Used for refuelling in the field
1300 litre water tank	1 tank	Used for water supply in the field
Bulldozer	1	
Excavators	2	
Tractor with blades	1	
Isuzu truck	6 cubic metre capacity	
Ford Trader Truck	1.5 tonne capacity	
Diahsu flatbed truck	1.5 tonne capacity	
Forklift	1	Kept at Guppy Road Depot
4x4 Quad bikes	3	Off-road capable, Kept at Guppy Road Depot
Motor bikes	2	Off-road capable, Kept at Guppy Road Depot
4x4 Utes		Multiple Utes available at HBRC Office Napier and Guppy Road Depot
Intrinsically safe VHF	3	For use in situation where need for no ignition source etc
Survey Boat	1	16ft aluminium hull with 50hp engine. Three-person max
Trailers	?	Variety of sizes and load capacities
Drones	3	Contact HBRC for current list of pilots

1.5 Contractor Services and equipment to support response

Equipment Type	No.	Owner	Contact details
Pumps			
Portable High-Pressure pumps	5	DOC Napier	06 834 311
WAJAX Pumps	2	DOC Napier	06 834 311
WAJAX Pumps	2	DOC Wairoa	06 8383 8252
HPHV Pump	1	DOC Wairoa	06 8383 8252
Shindaiwa Pump	1	DOC Wairoa	06 8383 8252
Large capacity portable pump	?	Fire and Emergency NZ	06 843 6123
Vacuum Trucks			
10,000 Litre vacuum truck	2	Allens Septic Tank Cleaners	06 879 9114 (24hrs)
10,000 Litre vacuum truck	2	Higgins Contractors HB	06 835 7288
4,000 Litre vacuum truck 8,000 Litre vacuum truck 2 x 10,000 Litre vacuum trucks 13,000 Litre vacuum truck	5	Beards Environmental	06 879 5800
Range of vacuum trucks (Napier Port Environmental Waste contractor)		Davies Waste	0800 766 28724 Sandra@davieswaste.co.nz
Heavy Plant			
Bulldozers, Diggers, Excavators, Scrapers		Tuck Contractors	0274 426 964
Bulldozers, Diggers, Excavators, Scrapers, cartage		Higgins Contractors	06 835 7288
Bulldozers, Diggers, Excavators, Scrapers, cartage		Downers HB	
Bulldozers, Diggers, Excavators, Scrapers, cartage		Fulton Hogan	06 835 6639
Excavation and cartage		Doug Jamieson Excavators	0274 459 295
Excavation and cartage		Frank Burgess Contractors	06 836 6472 (24hr)

Equipment Type	No.	Owner	Contact details
Cranes – lifting capacity from 100kg to 60 tonnes		Hawke's Bay Crane hire	06 877 7186
Cranes (10 – 70t, forklifts (2.5 – 7t))		Diack Bros	06 843 6688
Transportation			
Lifting trucks (6 – 26t)		Diack Bros	06 843 6688
Diack and flatbed trucks		JPR Trucking	06 844 8197
4x4 Flat decks		DOC Napier	06 834 311
Waste Management			
Beard's Environmental – 50t capacity to separate oil from water			06 874 7776
Envirowaste – MNZ Waste management contractor. No HB facility, but can arrange waste management			0274 874 946 027 225 6520 027 478 4022 021 966 488
Skip bins – Mini, Jumbo, Maxi		Jones Rubbish Bins	06 843 4888
Jumbo bins up to 10m ³		Wastecare	06 879 9927
Lighting & Generator equipment			
Floodlights & generators		City Hire	06 835 9769
Floodlights & generators		Hirepool	06 834 4000
Floodlights & generators		Fire and Emergency NZ	06 843 6123
Floodlights & generators		Hawke's Bay Emergency Response Team	027 2047636
General Services			
Mechanical and hydraulic repairs		Suvic	06 843 5949
hydraulic repairs		Hydraulink	0800 806 666
Electrical repairs		Electrotech Controls Ltd	06 835 2260
Marine repairs and supplies		Firmans Marine	06 835 9718
Marine repairs and supplies		Barton Marine Ltd	06 835 8880
Cordage supplies		Cookes	06 834 0690

Equipment Type	No.	Owner	Contact details
Fuel removal		Fuelquip	0800 830 831
Fuel removal		Beard's Environmental	06 879 5800
Security		HSM Rapid Response	0800 548 347 or 06 870 8111
Site safety management		Fulton Hogan	06 835 6639
Commercial divers			
Commercial divers		NZ Diving & Salvage Ltd (Andy Claudatus)	021 548548 021 528484
Communications			
Satellite Trailer (mobile Wi-Fi network for up to 10 PC's)		Hawke's Bay Emergency Response Team	027 2047636
Mobile VHF Equipment – Portable repeaters, handsets		Hawke's Bay Emergency Response Team	027 2047636
Intrinsically safe VHF handsets and UHF handhelds		Port of Napier	Napier Port Security 06 833 4440





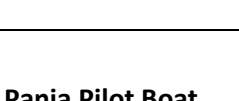

1.6 Boats and Aircraft

Aircraft for dispersant operations are already contracted to MNZ for this purpose. Should dispersant spraying aircraft be required the OSD0 should be contacted to arrange this.

For all offshore observation work aircraft should be twin engine, including helicopters.




1.6.1 Boats

Boat name / Type	Operational survey limits	Location & Contact details	Additional information
Port Survey (MS 122670)	Enclosed waters	Napier Port Duty Safety Advisor 06 833 4317 021 246 7400 or 027 839 2619	Length: 5m Draft: 1.0m Capability: Suitable for deploying rapid deployment boom. Minimal deck space. Max 3 persons. Kept on a trailer, so can be deployed elsewhere.
HBRC Survey Boat	Enclosed waters	Napier (Guppy Rd Depot) 027 455 592 (24hrs)	Length: 4m Draft: 0.6m Capability: Suitable for deploying rapid deployment boom, sampling and accessing confined areas. Minimal deck space. Max 3 persons. Kept on a trailer, so can be deployed elsewhere.
Osprey "Tinikawa"	3nm Offshore	DOC Napier or Aramoana 06 834 3111 (Daytime) 021 178 4325 or 06 843 8036 (A/Hs)	Length: 5.9m Draft: 1.0m Capability: Suitable for deploying rapid deployment boom and sampling in inshore waters. Minimal deck space. Max 4 persons. Kept on a trailer, so can be deployed elsewhere.
Fryan Aluminium dinghy	Enclosed waters	DOC Napier or Aramoana 06 834 3111 (Daytime) 021 178 4325 or 06 843 8036 (A/Hs)	Length: 3.6m Draft: 0.6m Capability: Suitable for deploying sorbent boom and accessing confined areas. Minimal deck space. Max 2 persons. Kept on a trailer, so can be deployed elsewhere.

Boat name / Type	Operational survey limits	Location & Contact details	Additional information
Kahutara 	Enclosed waters	MPI Napier 06 835 1065 (24hrs)	Length: 5.9m Draft: 0.6m Capability: Suitable for deploying rapid deployment boom and sampling. Minimal deck space. Max 4 persons. Kept on a trailer, so can be deployed elsewhere.
CK Rescue 	Coastal Waters	HB Coastguard 06 834 1345 (Daytime) 0274 841 161 (A/Hs)	Length: 11.7m Draft: 1.0m Capability: Suitable for deploying large boom, flushing (jet engines) and sampling. Good deck space. Max 8 persons. Quick deployment from berth in Napier.
Te Mata 	Coastal Waters	Port of Napier 06 833 4440 (24Hrs)	Length: 29m Draft: 5.3m Capability: Suitable for deploying large boom and recovery offshore. Good deck space. Quick deployment from berth in Port of Napier.
Ahuriri 	Coastal Waters	Port of Napier 06 833 4440 (24Hrs)	Length: 29m Draft: 6.5m Capability: Suitable for deploying large boom and offshore recovery. Good deck space. Quick deployment from berth in Port of Napier.
Kaweka 	Restricted inshore and enclosed waters	Port of Napier 06 833 4440 (24Hrs)	Length: 24m Draft: 5m Capability: Suitable for deploying large boom. Good deck space. Max 8 persons. Quick deployment from berth in Port of Napier.
Pania Pilot Boat 	Coastal Waters	Port of Napier 06 833 4440 (24Hrs)	Length: 12m Draft: 1.2m Capability: Suitable for deploying boom, flushing and sampling. Max ? persons. Quick deployment from berth in Port of Napier.

1.6.2 Helicopters

The following helicopters are available in the region for response:





Helicopter name	Details	Helicopter name	Details
Hughes 300 	Max Range: 360km Max no. of persons: 2 Operational limits: Over land	Bell Jet Ranger 	Max Range: 650km Max no. of persons: 5 Operational limits: Over land
Squirrel AS 	Max Range: 660km Max no. of persons: 5 Operational limits: Over land	MD 902 	Max Range: 540km Max no. of persons: 6 Operational limits: Over open water
R44 	Max Range: 550km Max no. of persons: 4 Operational limits: Over land	Hughes 500D 	Max Range: 450km Max no. of persons: 5 Operational limits: Over land
Hughes 520D 	Max Range: 450km Max no. of persons: 5 Operational limits: Over land	Bell 407 	Max Range: 600km Max no. of persons: 7 Operational limits: Over land

Owner / Contact	Helicopter Type	Location
Shoreline Helicopters Limited Rick Graham 06 836 6798 027 443 3537	Hughes 300 (x3)	Bridge Pa Aerodrome, Hastings
Helispray Limited Mark Williams 027 443 2766	Squirrel AS (x2) R44 (x1)	Hastings

Owner / Contact	Helicopter Type	Location
Helicopters Hawkes Bay 021 673 426	Hughes 520D	Hastings
Helicopters Hawkes Bay 021 673 426	Squirrel AS (x1) Bell Jet Ranger (x1)	Hastings
Faram Aviation Group 027 444 4414	MD 902 (x1) Squirrel AS (x2)	Hastings
Charteris Choppers 027 443 4141	Hughes 500D (x1)	Wairoa
027 446 3344	Bell Jet Ranger (x1)	Gisborne
Gisborne Helicopters 0800 875 550 027 444 8964	Hughes 500 (x2) Bell 407 (x1) R44 (x1)	Gisborne

1.6.3 Planes

The following planes are available in the region for response:

Plane type	Details	Plane type	Details
Piper PA31 Navajo 	Max Range: 1875km Max no. of persons: 7 Engine Type: Twin engine	Piper PA34 Seneca 	Max Range: 1295km Max no. of persons: 7 Engine Type: Twin engine
Piper PA32 Cherokee Six 	Max Range: 1350km Max no. of persons: 5 Engine Type: Single engine	Piper Tomahawk 	Max Range: 850km Max no. of persons: 2 Engine Type: Single engine

<p>Cessna 152</p> 	<p>Max Range: 750km Max no. of persons: 2 Engine Type: Single engine</p>	<p>Cessna 172</p> 	<p>Max Range: 1275km Max no. of persons: 4 Engine Type: Single engine</p>
<p>King Air C90</p> 	<p>Max Range: 2450km Max no. of persons: 7 Engine Type: Twin engine</p>	<p>Grunmann AA5 (x2)</p> 	<p>Max Range: 1250km Max no. of persons: 4 Engine Type: Single engine</p>

Owner / Contact	Plane Type	Location
<p>Air Napier 06 835 6192 027 445 1499</p>	<p>Piper PA31 Navajo (x1) Piper PA34 Seneca (x3)</p>	<p>Napier</p>
<p>Air Hawke's Bay 06 879 8466</p>	<p>Piper Tomahawk (x3) Piper PA32 Cherokee Six (x1) Cessna 152 (x1) Cessna 172 (x1) Piper PA34 Seneca (x1)</p>	<p>Bridge Pa Aerodrome, Hastings</p>
<p>Air Gisborne 06 867 4684 (24Hrs)</p>	<p>Piper PA34 Seneca (x1) Piper PA31 Navajo (x1)</p>	<p>Gisborne Airport</p>
<p>Air Gisborne 06 867 4684 (24Hrs)</p>	<p>Cessna 172 (x1) King Air C90 (x1) Grunmann AA5 (X2)</p>	<p>Gisborne Airport</p>

1.6.4 Air Strips

Coastal Area	Location	Map Coordinates	Owner / Contact details
<p>Whangaehu / Blackhead</p>	<p>Hunter Road, Porangahau</p>	<p>Sheet V24 208 963</p>	<p>06 855 5095</p>
<p>Blackhead / Aramoana</p>	<p>Long Range Road</p>	<p>Sheet V23 331 086</p>	<p>06 857 7831</p>

Coastal Area	Location	Map Coordinates	Owner / Contact details
Aramoana / Mangakuri	Waipari Station Clare Inch Station Clare Inch Road	Sheet V23 373 233 Sheet V23 371 227	06 857 3731 or 06 857 3736
Mangakuri / Te Apiti	Waipuna Station Kairakau Rd Mangakuri Station Mangakuri Road	Sheet V22 041 345 Sheet V22 447 310	(Waipuna St.) 06 858 4305 or 06 858 4268 (Mangakuri St.) 06 858 4280
Te Apiti / Cape Kidnappers	Timoti Farm Ltd Waimarama Road	Sheet W22 511 503	06 874 6882
Cape Kidnappers / Waikari River	Napier Airport, SH2	Sheet V21 428 862	06 835 3477 or 06 835 7584
Waikari River / Waihau	Springhill Station Mohaka Coach Road	Sheet W19 687 256	06 837 6813
Waihau / Whakaki	Wairoa Aerodrome Wairoa	Sheet X19 913 345	Aero Club 06 838 6270
Whakaki / Mahanga / Mahia	Tahaenui Station Tahaenui Homestead Station Lane Road, Mahia	Sheet X19 145 292 Sheet XY20 355 218	(Tahaenui St.) 06 837 8707 (Homestead St.) 06 837 5664

1.7 Waste Management

Maritime NZ has developed a contract with Envirowaste to provide all waste treatment services during a marine oil spill, which will include transport, disposal, and temporary storage of oily waste (and other waste streams) and also the provision of oiled equipment decontamination and cleaning. Although Envirowaste does not have a branch in Hawke's Bay they can coordinate the mobilisation of local contractors to provide this service through Maritime NZ. Contacts for Envirowaste are shown in section 2.4.

In addition, there are a number of other contractors within Hawke's Bay who can remove water contaminated with oil. These are also shown in section 2.4.

Temporary storage for oily waste may be made in the vicinity of the spill site, as there are no approved sites in Hawke's Bay for this type of waste. An appropriate site should be chosen where oily waste is

bunded and these bunded areas need to be covered to prevent rainfall intrusion. A landfill site may also be an appropriate area for temporary storage. Temporary storage at beach heads may be achieved through a variety of methods. These may include lined trailers, skip bins or lined storage pits in the ground.

1.8 Sampling

For all oil spill sampling samples should be couriered to the address below.

AgriQuality NZ Ltd
Gracefield Research Centre
Gracefield Road
Lower Hutt

Tel. 04 570 8800

Fax. 04 570 8829

AgriQuality do not offer an oil fingerprint service. For this analysis MNZ should be contacted to advise where samples should be sent.

1.9 Emergency Coordination Centres

There may be a requirement during a response to establish and Emergency Coordination Centre (ECC). This decision will be made based on the scale of the response and the requirement for offsite coordination and administrative support to field activities.

1.9.1 ECC Locations

Napier / Hastings

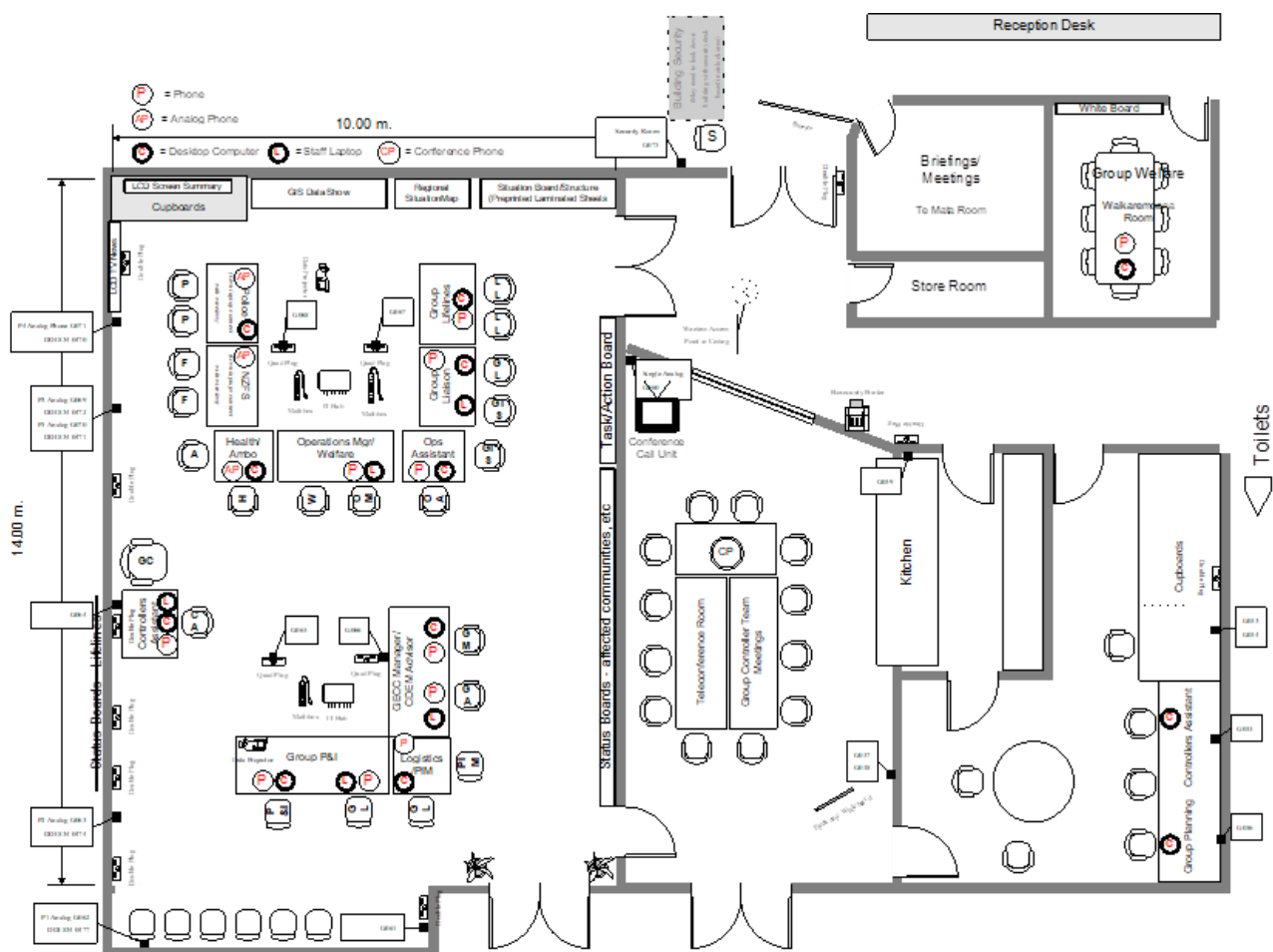
HB Coastguard building / Napier Port Offices

For most spill responses with a minimal duration (less than 2 days) it may be appropriate to establish a smaller ECC close to the spill. In most circumstances the HB Coastguard building and Napier Port Offices are in close proximity to high-risk sites. They both require some additional resources to operate as an ECC, which is detailed in section 3.2.

HBRC Offices – Dalton Street, Napier

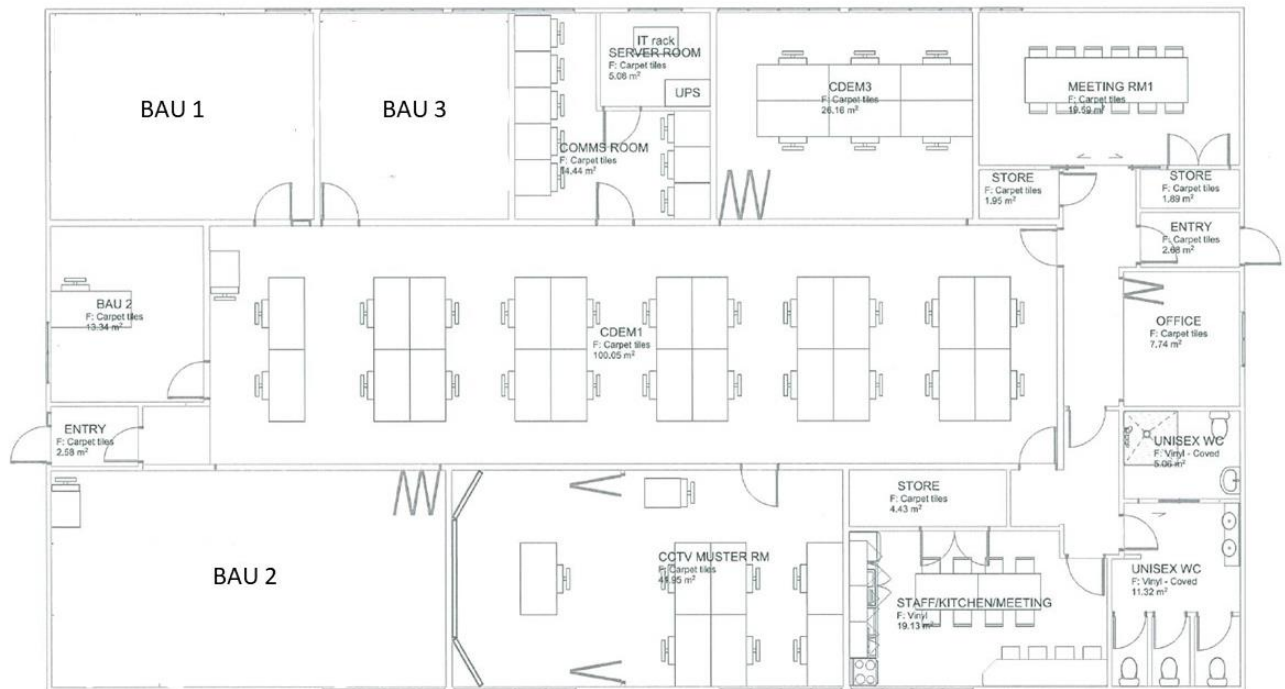
For the majority of responses requiring an ECC to be established the HBRC offices will provide a suitable location. For small events, a mini-ECC can be established in the Mohaka Room and adjoining offices. Should a larger scale response be required (e.g. more staff), the Council Chambers may be utilised. The plan below shows the layout of the room and how this may be setup in response.

This facility has access to toilets, communications equipment, internet, whiteboards and projectors.



HB CDEM Group Emergency Coordination Centre, 311 Lyndon Road East, Hastings

If a larger scale event has occurred within the region it may be more appropriate to establish the response at the HB CDEM Group ECC in Hastings. This is a purpose-built venue for responding to emergencies and will result in less disruption to HBRC normal business. The facility has appropriate space and technology to support up to 75 responders. A layout of the facility is shown below:



Central / Southern Hawke's Bay

Should a venue be required in Central / southern Hawke's Bay then the following may be suitable for the purpose:

- HBRC Waipawa Offices (for smaller responses)
- Central Hawke's Bay District Council Chambers
- Porangahau Community Hall – 06 855 5112

Northern Hawke's Bay

Should a venue be required in Northern Hawke's Bay then the following may be suitable for the purpose:

- HBRC Wairoa Offices (for smaller responses)
- Wairoa District Council Chambers
- Nuhaka Unity Hall – Kotahitanga – 06 837 8870
- Mahia Boating and Fishing Club - 021 083 79364

1.9 Resources to support response

1.10.1 Team identification

For the purpose of easy identification of key staff in the ECC a selection of vests are provided and should be worn at all time. A stock of vests is held in the Council Chambers that can be deployed to other response sites if required. The HB CDEM Group ECC already has vests in place for use.

The table below outlines the colour of vest to be worn by each function, as per CIMS 3rd edition:

White	ROSC	Dark Blue	Intelligence & GIS
	ROSC Assistant	Purple	PIM
Orange	Operations	Green	Safety
	Wildlife	Red	Iwi Liaison
Yellow	Logistics		Technical Experts
Pink	Planning		

1.10.2 Hydrographic charts

A set of laminated hydrographic charts are kept in the HBRC Councillors Room. These are also available online through LINZ.

The relevant hydrographical charts for the Hawke's Bay region are:

Chart No.	Location covered
NZ55	Cape Runaway to Table Cape: Hicks Bay
NZ56	Table Cape to Blackhead Point
NZ57	Blackhead Point to Castle Point
NZ571	Approaches to Napier
NZ5551	Plans on the East Coast
NZ5613	Poverty Bay and Approaches to Gisborne
NZ5712	Napier Roads: Napier Harbour

1.10.3 Additional resources for response

The following additional resources may also be required to support the establishing of an ECC:

Resource	Location / Source	Contact person
Computers for response	Trolley in store cupboard adjacent to HBRC Chambers Staff laptops	Lisa Pearse, HBRC
Mobile phones	Staff mobiles Additional phones through IT Services	HBRC IT Services
Stationery	Stationery room, HBRC	

Resource	Location / Source	Contact person
Whiteboards	Store cupboard adjacent to HBRC Chambers	Lisa Pearse, HBRC
National Marine Oil Spill Contingency Plan	Herbi or MNZ Website Hard Copy in HBRC CDEM Office	Lisa Pearse, HBRC
MNZ Regional Responder Aide Memoire	ROSC . Responder copies Hard Copy in HBRC CDEM Office	Lisa Pearse, HBRC
Hawke's Bay Regional Coastal Plan	HBRC Website / Herbi Hard Copy in HBRC Library	
NZ Nautical Almanac	LINZ Website Hard copy in Harbour Master's office	Martin Moore, Harbourmaster
New Zealand Atlas of Coastal Resources (Tortell 1981)	Hard copy in Harbour Master's office	Martin Moore, Harbourmaster
HBRC Order / Purchase books	Staff copies / Finance	HBRC Finance Team
ECC Desk labels	HBRC Council Chambers	Lisa Pearse, HBRC
Topographic Maps	HBRC GIS Portal Laminated copies in HBRC Councillors Room	
Information System	WebEOC	Eva Maxwell, MPRS

1.11 Oiled Wildlife Facilities

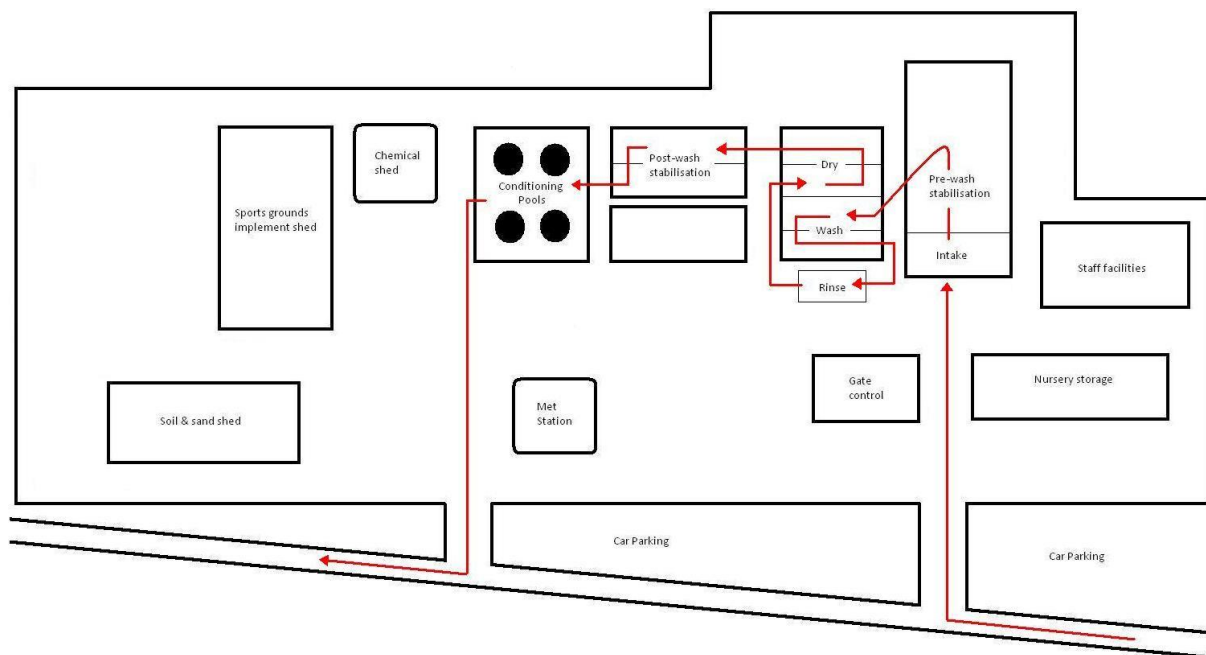
Should wildlife be impacted as the result of a spill several facilities have been identified within the region to operate as oiled wildlife rehabilitation sites.

1.11.1 Napier / Hastings Area

Napier City Council Nelson Park Nursery

The NCC Nelson Park Nursery has been identified in agreement with Napier City Council as the primary site for use as an oiled wildlife response site in the Napier Hastings area.

The floor plan below shows a suggested layout for the facility.



A full assessment of the site has been conducted for use as an oiled wildlife facility. The key information from the assessment is outlined below.

NCC Nelson Park Nursery – Nelson Park, Napier	
Site Contact	06 835 7579 or 06 833 9739
Facilities for OWF	<ul style="list-style-type: none"> 100mm town sewer connection 100mm town water supply connection Domestic hot water supply – would need additional capacity 3 Phase power supply in workshop Parking on road outside facility Potential for drive through access Hard standing areas for containers Good site security Additional outside lighting required Easy conversion of nursery building for washroom

	Ability to place marquee in sports grounds immediately adjacent to facility
Facilities for OVRT Staff	<p>Limited toilets – would require additional portaloos</p> <p>No showers on-site, but available in Nelson Park changing rooms</p> <p>Small kitchen on-site. Larger facility available in the Nelson Park RC MacInnes Pavilion</p> <p>Small staff room on-site. Larger facility in the Nelson Park RC MacInnes Pavilion</p> <p>CBD Close by for catering options.</p> <p>Close to accommodation</p> <p>Regional Airport close to location (4km)</p>

The SPCA Napier and Hawke’s Bay and Hawke’s Bay Fish and Game may be able to provide specialist services of equipment to assist with the facility setup and operation.

1.1.1. Hawke’s Bay Showgrounds

An alternative site for the establishment of an oiled wildlife rehabilitation centre is the Hawke’s Bay Showgrounds, located on the outskirts of Hastings. This is a large facility with multiple areas where a facility could be established.



A full assessment of the site has been conducted and the key information is outlined below.

Hawke's Bay Showgrounds, Kenilworth Road, Hastings	
Site Contact	06 878 3123 or 021 868 643
Facilities for OWF	<p>Main connection to sewer</p> <p>Mains water supply</p> <p>Hot water available in some areas / buildings</p> <p>Three phase power on site</p> <p>Large parking areas</p> <p>Large, sealed area around grandstand</p> <p>Good security</p> <p>Plenty of buildings to run operation from</p> <p>Hardstand area under grandstand would be ideal for wash facility</p> <p>Plenty of space for containers</p> <p>Large areas for marquees</p>
Facilities for OVRT Staff	<p>Multiple toilet blocks</p> <p>Showers available</p> <p>Kitchen facilities in Grandstand area</p> <p>Plenty of areas for staff rest facilities</p> <p>Close to Hastings for accommodation and catering</p> <p>30km from Hawke's Bay Airport</p>
Other information	<p>Potentially a high usage site with weekly farmers market, Horse of the year (March) and the HB Show (October)</p> <p>The site is large enough for an oiled wildlife response to be undertaken concurrently with some of the other smaller events in the facilities events calendar.</p>

1.2. Northern Hawke's Bay

1.2.1. HBRC Wairoa Depot

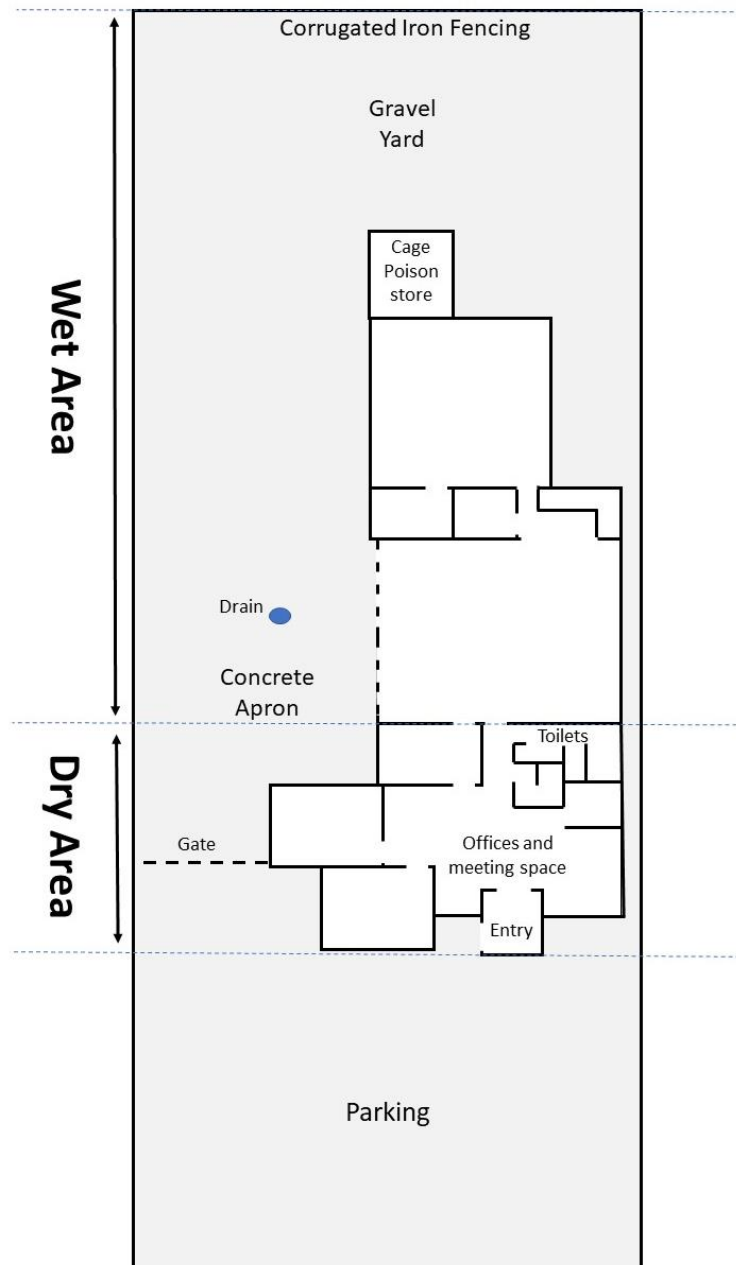
The HBRC Wairoa Depot has been identified as the primary site for establishing an oiled wildlife response in the north of the region. This site is located within 30 minutes' drive from most northern coastal locations and is shared with the Department of Conservation.

Establishing this site for oiled wildlife response requires the following considerations and is dependant up the availability of personnel and equipment.

- Neighbours of the site need to be notified
- A water supply is required to be connected from the street mains by protected hose
- Water heating equipment is required
- Poisons need to be transferred to an alternative secure site
- Storage required for collection of oily / wastewater
- Forced ventilation and heating equipment required
- Marquee required in courtyard with supplementary lighting

- Refrigeration unit required for bird food storage
- Site security measures required

The setup of the site is shown in the plan below:



For wildlife impacted on Portland Island (Mahia Peninsula), in particular Shore Plover, stabilisation would occur at the woolshed site on Portland Island. Wildlife would then be transported by helicopter to the HBRC Wairoa Depot.

The Department of Conservation has two portable aviaries that may be used close to the spill site. These have the following dimensions:

10m long x 2.5m wide x 1.8m high

2m long x 2m wide x 3m high

1.2.2. Opoutama YMCA

The Opoutama YMCA may be utilised for immediate wildlife stabilisation prior to relocating wildlife to the HBRC Wairoa Depot. There is limited space and water supply, so would not be suitable as a full oiled wildlife facility.

The contact for this facility is 06 838 7309

1.3. Southern Hawke's Bay

1.3.1. Waipukurau Showgrounds

The Waipukurau Showgrounds could be utilised for oiled wildlife response but would require oiled wildlife equipment to be brought into the response site.



The facility has a number of buildings, hardstand areas and open fields. The key attributes are shown in the table below.

Waipukurau Showgrounds, Mitchell Street, Waipukurau	
Site Contact	Helen Ormsby, 06 858 9470
Facilities for OWF	<p>Sewer, water and power connections are unknown</p> <p>Large areas for parking</p> <p>Some sealed areas for containers etc</p>

	<p>Numerous buildings that could be setup to establish and oiled wildlife response centre, including a concrete floored shed with double garage doors at either end</p> <p>Site would need additional security</p> <p>Additional lighting would be required – currently only on main field</p> <p>Plenty of room for additional marquee</p>
Facilities for OVRT Staff	<p>Basic toilets</p> <p>Kitchen and rest area in the upstairs of the main building</p> <p>Not much accommodation in area</p> <p>60km from Hawke's Bay Airport, but close to Waipukurau aerodrome</p>
Other information	<p>Site is used for a range of other activities that would need to be managed</p>

1.3.2. Massey University Oiled Wildlife facility

Given the proximity of Waipukurau to Palmerston North, it may be worth considering the transportation of oiled wildlife to the Massey University oiled wildlife facility once they have been stabilised. This would require less resources to be deployed and enable specialist care at a fully equipped facility.