

# Annex 1 – Equipment and Resources

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## Emergency Operations Centre setup

In case an oil spill response requires the Emergency Operations Centre (EOC) to be set up, the Bay of Plenty Civil Defence Group Emergency Management Office (GEMO) Duty Officer will be contacted. The officer will then coordinate the setup of an EOC in accordance with the GEMO Group Emergency Coordination Centre SOP. Subject to scale and resources required, the EOC will be set up at the primary CDEM GECC location. The EOC will be set up in accordance with the GEMO SOP and CIMS Structure with Planning and Intelligence, Operations, and Logistics, each having a desk in addition to a communications room and Incident Controller's office.

## Emergency Operations Centre equipment (EMBOP Group Coordination Centre)

The EOC Logistics Manager in conjunction with EMBOP will establish the EOC, on request of the ROSC. The ROSC should give the EOC Logistics Manager their structure, approximate personnel numbers and any out of the ordinary office equipment required.

The following items should be made available at the EOC:

<b>National Marine Oil Spill Contingency Plan</b>	Relevant hydrographical charts
<b>Bay of Plenty Marine Oil Spill Contingency Plan</b>	Relevant topographic maps
<b>Regional Coastal Plan</b>	Incident Command Team phone list
<b>Current NZ Nautical Almanac</b>	Petty Cash
<b>Oil Spill Dispersants – Guidelines for use in New Zealand</b>	<a href="#">2017-11-24 Sign-in/site induction/timesheets</a> Objective Link: A2749992
<a href="#">2017-09-05 Site Supervisors Induction Checklist</a> Objective Link: A2692405	

## Bay of Plenty Regional Council owned additional equipment, staff and resources

This equipment is additional to that owned by MNZ.

A document entitled: "Guidance for the Appointment and Development of Oil Spill Responders" details the requirements and responsibilities of regional responders and general Council staff, in responding to marine oil spills that are under ROSC control.

**Objective link: A2277509**

[Guidance for the Appointment and Development of Oil Spill Responders](#)

## Bay of Plenty Regional Council's boat fleet

The Harbourmaster's Office maintains a fleet of 12 vessels providing a varied on-water response capability.

**For access to any of the following equipment, phone the call centre and ask to talk to the Duty Officer on: 0800 5 KNOTS (0800 55 6687). Vessel deployment always remains at the discretion of the Regional Harbourmaster.**

Vessels include:

Vessel name(s)	Vessel type and length	Usual location
PW PT144/PT213/PT169	Jet skis	Tauranga/Whakatāne/Rotorua
Matatea	Alloy Stabicraft Punt 4.1 m	Whakatāne
Bay Patroller	Alloy Stabicraft 4.67 m	Tauranga
Moko/Kura	RHIBs 5.5 m x 2	Tauranga and Rotorua
Pontoon Jet	Alloy Pontoon Jetboat 4.15 m	Whakatāne
Kaha (Sealegs)	Amphibious RHIB 5.95 m	Tauranga
Ra	Alloy Ramco 7.75 m	Rotorua
Pumanawa	Alloy Extreme 7.25 m	Tauranga (Now managed by Biosecurity – contact Andy Wills)
Port Whakatāne 3	Alloy Extreme 8.48 m	Whakatāne
Taniwha	Alloy Catamaran 9 m	Tauranga
Awanui	Alloy Barge 12 m	Tauranga

**For a link to a folder containing information on vessel fleet operating limits, charge-out rates and all vessel manuals:**

**Objective Link: (fA178077): BOPRC Boat Fleet Folder**

**For a list of approved skippers and vessels:**

**Objective Link: A2860162: Skippers Training Record**

### **Awanui – Multi-Purpose Response Barge with bow mounted Lamor Brush Skimmer**

This is a specialised, 12 m multi-purpose work vessel with the following capabilities:

- Seven tonne load capacity
- Palfinger Crane surveyed to lift 2000 kg over decks and 1200 kg alongside
- Hydraulic Spud to 6 m depth
- Diesel power pack
- Twin 250 HP Suzukis with electronic steering (max speed 30+ knots)
- Surveyed for Inshore Limits
- Road transportable (under wide load regulations)
- Surveyed for up to 20 passengers and a minimum of 2 crew
- Draught: 0.3 m
- Length: 12 m
- Lowrance navigation systems

Note: In event of a major spill, Awanui will need support vessels that can provide oil storage/transport over and above her load capability.

### **Vessel Skimmer/pump**

- Six collection brushes
- Up to 30 t/hour
- Collects in up to 3-4 knots of current/1 m swell
- Suitable for a wide range of hydrocarbons from diesel to heavy fuel oils
- Collects light oiled debris such as floating sea grass, driftwood or lettuce/garbage
- Has a free floating setting so that it adjusts to wave action and motion
- Ninety five percent oil/water efficiency rates
- Elastec ES400 submersible screw pump – 30 t/hour all oils/solids up to 38 mm, 60 m lift

### **Standard Operating Procedure for Skimmer Loading/Oil Recovery**

Operation of the skimmer will require sufficient waste oil and debris containment capability, PPE for oil spill response and equipment to facilitate contamination and decontamination procedures. This equipment must be retrieved from the spill shed. There are two empty wheelie bins stored at the spill shed which can be used to store and transport these items. These bins can then be used for waste handling/containment aboard the vessel. Suggested items include (list is not exhaustive):

- Protective disposable coveralls
- Protective gloves – Nitrile and PVC
- Eye protection
- Contaminated waste disposal bags and cable ties
- Polythene roll and tape/PVC tarps
- Boot covers
- Boot wash bin and brush (in the Red Trailer)
- De-Solv-It cleaning products (20 L and mist sprayers)
- Additional spill pads/zeolite/peat absorbents
- Bucket
- Garden tool to clear debris from the skimmer
- Up to 6 IBCs (these can be loaded at H Pier at the Bridge Marina)
- Sufficient refreshments, food and drink for the operating period

For skimmer operating and loading procedures see:

**Objective Link: (A2682071)**

**[Awanui's Operating Manual Sections 3.11–3.10](#)**



## Immediate response capability

Twin Axle Oil Spill (Red) Response Trailer contains sufficient shoreline clean-up/incident response equipment for approximately 25 people for 12 hours.

In addition, a number of response vehicles, most with 4WD capability and the vessel Awanui, carry spill equipment.

**(Note: EOC, ROSC and/or Site Supervisor to ensure sufficient food and fresh water is supplied to deployed responders).**

Maritime and Compliance teams immediate deployment capability is approximately up to 36 responders for 12 hours + up to 13 4WD vehicles + 4 response trailers + 1 flat deck trailer and 1 specialised response vessel.

Note: There is a proposal to store some rapid response equipment in the Wallingford House Maritime Depot. Check current equipment storage locations with the ROSC and/or Maritime team.

***For an Excel spreadsheet listing all response equipment and related resources:***

**Objective Link: (A2216535)**

**[2015-11-06 Oil Spill Response Inventory](#)**

**Some additional resources stored with MNZ oil spill equipment:**

- 4 x 6 pop-up portable shelter with sides.
- An Intermediate Bulk Container (IBC) filled with rakes, shovels and spades.
- An IBC filled with gumboots of varying sizes. A few additional gumboots are stored with the stockpile of sorbent booms and pads.
- A flat deck double-axle trailer with load capacity of 2.5 t and an inside deck area of 2960 mm x 2015 mm.

**Other resources**

A Koshin Fuel Pump - The pump is suitable for diesel and lighter oils (but not the highly flammable variety). The four stroke pump has an 8 m lift and pumps at 130 L/minute (under optimal conditions). It includes 16 m of intake hose (5 m+11 m) and 15 m of discharge hose (5 m+10 m). The intake hose reduces to a ½ inch 3 m dipping hose (garden hose size) to reach into narrow spaces, such as the fuel breather pipes typically found on yachts. The pump is stowed aboard Awanui or in the spill shed with the other response equipment.

The Compliance Team maintains three single axle spill trailers, one each located in Tauranga, Rotorua and Whakatāne. Each trailer contains approximately 20 m of inflatable land/river boom, assorted sorbent booms and pads, tools and basic safety equipment. They also have low sided flat deck car transport trailer. Additional trailers are available from Land Management and are stored at the Judea Depot. Land Management also maintain a two person ATV. Such vehicles may be very useful for sandy shoreline clean-up and shoreline assessments (SCAT). There is also a 3.6 t rated overhead gantry crane available at the spill shed. This is currently not in survey for use. Contact the Land Management Team for trained operators. The Rivers and Drainage Team have access to a variety of earthmoving and related heavy machinery.

Civil Defence Emergency Management maintain a field deployable 9 m x 6 m Covertex Major Incident Air Shelter. For more information:

**Obj. ID: A27783**





## Dispersant use

The use of dispersant at the Tier 2 response level requires permission from MNZ, who have consolidated some response options, such as dispersant and oiled wildlife response, into a national capability that can still be accessed by regions for Tier 2 response. Dispersant is stockpiled outside of the Bay of Plenty region for use by MNZ approved aerial contractors. Due to the shallow depth in harbour areas, the use of dispersant in these locations is unlikely. Where application was proposed in our region, the Council would also undertake its own Net Environmental Benefit Analysis.

## Contacts

The Regional On-Scene Commander maintains a rugged R84 Model phone for use by the ROSC during a prolonged spill response. The phone is waterproof and drop proof and is loaded with key contacts. The ROSC phone number is: 027 405 8995. The unlocking pattern can be found attached on the back of the phone. The phone is kept on the Rosc's desk with its charger cord and is periodically recharged and tested. During an ongoing spill (2+ days), this phone will be passed to the on-duty ROSC, so that all phone communications are always received and actioned by that person.

Regional On-Site Commander E-mail: [ROSC@boprc.govt.nz](mailto:ROSC@boprc.govt.nz) This unique e-mail account was set up to be accessible by all appointed ROSCs. The email will be monitored by the On-duty ROSC.

A future spill cost code is maintained for immediate use in a spill. During an incident, this code is updated following use to recover costs during routine spills. Each time the cost code is updated, the ROSCs will be advised by e-mail. Contact Loris Hastie to request a new future spill code. The ROSC phone is also kept up to date with the current future spill code.

## Maritime New Zealand equipment located in the Bay of Plenty

**Objective link** to MNZ equipment lists: **A2501436**  
[2016-11-17 Regional Equipment Lists - Loan Agreement](#)

Maritime New Zealand owned equipment is stored in:

Whakatāne stockpile		Tauranga Spill Shed stockpile	
<b>Containment systems</b>		<b>Containment systems</b>	
		Fence Boom 750 m (100 m lots)	600
		Land/Sea Boom (80 m lots)	560
		Solid Float Boom (99 m lots)	198
<b>Recovery systems</b>		<b>Recovery systems</b>	
		Delta Head Skimmer	1
		Komara Skimmer (oleophilic multi)	1
		Skimmer, mini max (weir)	1
		Skimmer, Global spill (weir)	1



<b>Temporary storage</b>		<b>Temporary storage</b>	
		Frame tanks 2 x 7500 L	1
		Two decommissioned frame tanks of 15 K and 25 K respectively remain in storage	
Dispersants		BOPRC no longer stores this for MNZ	
Dispersant application		Requires MNZ pre-approval	
		Backpack sprayer – buy new one if required for spot application	
<b>Sorbent</b>		<b>Sorbent</b>	
Pads	500	Pads	1600
Booms	12	Booms	48
		Oil snares – Note: MNZ will no longer require replacement when used	60
		Pillows – Note: MNZ will no longer require replacement when used	60
<b>Ancillary equipment</b>		<b>Ancillary equipment</b>	
		Spate pump, GS (30 t/hour)	1
		Hand-held Stihl leaf blowers	2
		Blue bin contains 2 x towing ends, 4 x Camlock adapters, 2 x strums, 2 x Monsoon adapters, 4 x 2" 10 m Layflat d/c hose, 2 funnels	
		Honda 4-Stroke petrol trash pumps	2
		2 x 2" 10 m Rigid Suction Hose	1
		2 x 2" 5 m Rigid Suction, 2 fuel containers	1
		Quicksilver hand pump	1
		Hand wringer (extractor-pro)	1
		Plastic container (20 L for dispersant)	40
		Wildlife Response Kits	1
<b>Additional Non-MNZ equipment</b>		<b>Additional Non-MNZ equipment</b>	
		Electric Compressor	1
		Multi-channel (VHF/UHF) hand held radios – see Emergency Management	
		Forklifts ( 1 electric and 1 gas powered)	2

		Underwater drone with pick up arms – requires trained operator	1
		Aerial Drone – Requires trained operator	1
		Forklift attached lifting gib and towball	1
		Lifting gib extension for crane	1
		Motorised generator with 240 v take off	1
		Stihl Chainsaw/safety equipment	1
		Motorised water blaster	1
		Tool box/power tools - assorted	1
		Lamor Skimmer/Elastec Pump (see Awanui Vessel (see description))	1
		Koshin petrol-powered Pump (200 L to 20 m H approx.)	6
		International Bulk Containers (IBCs)	7
Major Incident Air Shelter See the user's manual: Obj ID: A27783		9 m x 6 m Covertex – could be used as a mobile EOC or possibly as part of a THC or TRC for wildlife. Note, if the shelter was significantly soiled, it may need to be replaced	
		Land management maintain an ATV suitable for beach operations. Note: Use requires a trained and approved ATV operator	1
<b>Tūhua (Mayor Island) Spill Kit</b>		5 m x 3 m booms, 20 spill pads, bags, cable ties, gloves contained in a wheelie bin	1

Additional detail regarding storage and transport information is contained at the end of this annex.

## Other vessels

Motiti barge/service vessels (Seatrek Limited)	Avocet – Wading Bird 10 t payload 5 m beam x 17.5 m LOA Total Deck area: 60 m <sup>2</sup> Roll-on, Roll-off barge 8 passengers 11-12 knots lightship 8.5 knots loaded 1.5 t lifting capacity Draft: .8 m Lightship 1.1 Loaded Hiab with 500 kg SWL @ 5 m 3 m swell, 30 knot operating limits. Price guide: \$1500-\$2000 per trip to Motiti Available for charter	Tauranga	Tim Olsson 027 4969973 <a href="mailto:Tim.olsson@xtra.co.nz">Tim.olsson@xtra.co.nz</a> <a href="mailto:Seatrek@xtra.co.nz">Seatrek@xtra.co.nz</a>
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	Vessel busy June-July each year transporting avocados		
	Enterprise 18 m timber launch Ex Government lighthouse tender now set up for diving 6 t fish hold 32 Passengers 3.6 m tender 9.5 knots cruising, 11 knots max speed Draft: 2.1 m Available for charter 300 kg lifting davit Price guide: \$2000/day to Motiti		

## Motiti Island accommodation options

Motiti Lodge	Sleeps 16 people in basic accommodation. BBQ Possible catering options Close to the boat ramp Secure storage \$50 per person	Motiti
Te Hanga o Te Ra Marae	Sleeps 50+ Wastewater system upgraded during the Rena response	Motiti – North/central Island

## Access to Bay of Plenty Regional Council spill response equipment

Access for the equipment store can be arranged by the following people or in the locations indicated:

- Bay of Plenty Regional Council Call Centre 0800 884 880
- Duty Harbourmaster (24 hrs) (0800) 55 66 87 (0800 5 KNOTS)
- ROSCs and/or Alternate OSCs See cover page for contacts
- BOPRC Pollution Hotline (24 hrs) 0800 884 883

Maritime New Zealand and BOPRC responsibilities regarding this equipment are set out in the loan agreement between MNZ and the Council, a copy of which is held by the ROSC.

## Mobilising Maritime New Zealand equipment

Requests to mobilise MNZ equipment should be made through the Oil Spill Duty Officer by phone (OSDO: 04 473 6369) and by completing the appropriate form (**available in Web EoC**). It is also possible to review MNZ equipment lists in Web EoC.

The majority of MNZ equipment is pre-packaged in numbered boxes with collapsible sides, a pallet type base, and of a size appropriate to the equipment contained. The dimensions and weight of the loaded boxes vary according to the equipment type but all are intended to fit road trailers and into commercial aircraft that have been converted to a cargo configuration. Where Standard Operating Procedures are available for equipment, these will be attached to the crate or stored inside the containers for field reference.

Because of the nature of their construction, they may be stacked only two high for transport. These boxes are marked to show their general contents and loaded weight - a more detailed list of contents is enclosed within the box. New equipment is increasingly being stored in galvanised steel storage crates that include designed lifting points.

## Supporting equipment

### Transportation

<b>Owens Transport/Chemfreight Couriers Nation Wide Daily</b>	Various truck units	Tauranga	Lance Chadwick (07) 574 0950 027 495 9820
<b>McLeods Hiabs</b>	Various truck units and cranes	Tauranga 2 Truman Lane	(07) 575 9715 (0700-1700, 050 862 5363 (24 hrs) 1-1.5 response time
<b>Pollock and Sons Crane Hire</b>	Hiab truck units Cranes	Tauranga Marsh Street	0508 POLLOCK or 0508 765 562
<b>NZL Transport</b>	Various truck units	Tauranga	(07) 928 7100

## Oily waste disposal

**Guidance notes in the Library Section of Web EoC provides** instructions on the disposal of oily waste material, and includes the location of landfills suitable for disposing of **oily waste material**.

Maritime New Zealand have established a contract with EnviroNZ Limited, to provide all waste services required during an oil spill response, including equipment cleaning. Although this contract presently sits at a Tier 3 level, there is provision to extend this to a Tier 2 Response.

**Link to EnviroNZ agreement:**

[\*\*ESL-MNZ Final Service Contract - valid until 2022\*\*](#)



## Waste oil disposal companies

<b>EnviroNZ</b>	Bins, skips, disposal, project management, H&S, volunteer coordination, mobile wash bays and decom, supply of booms, pads, PPE	Tauranga	0800 240 120 (24 hrs) (07) 541 0600 (0800-1700)
<b>Waste Management Oil Recovery</b>	Various tanker and sucker trucks For bulk transfers (clean oils) Have VOC monitors for hire	Mount Maunganui	Head Office (07) 575 8445 (07) 575 8482 (Fax)
<b>Pete's Takeaways (2016)</b>	Various tanker and vacuum trucks	Tauranga	(07) 541 3402 (24 hr)
<b>Intergroup Limited</b>	Sweepers/vacuum trucks/contaminated oils/confined space entry/heights/flammable atmospheres <b>Objective link: A2552915</b> <a href="#">2017-02-22 Intergroup Price and Services Guide</a>	BOP wide	0800 468 379 (24 hrs)

## Other vessels

<b>Port of Tauranga</b>	3 tugs 2 launches	Tug berth	Customer Services (07) 572 8888 Port Ops Mg (07) 572 8882
<b>Glencoe Marine Limited</b>	Edward G Passenger/ non passenger Tugboat Inshore waters 49 passengers 25 t	Tauranga	Ian Chalmers 021 174 0687 <a href="http://www.glencoemarine.co.nz">www.glencoemarine.co.nz</a> <a href="mailto:rose@glencoemarine.co.nz">rose@glencoemarine.co.nz</a>
	Petra G Tug 12.37 m Inshore waters 15 passengers		
	Alloy Jet Boat 10.3 m Max speed 30 knots 11 passengers Draft .5 m 1.8 t deckload		
	Marsden Pilot Boat, 13.71 m 2 crew, 6 passengers 4 t bollard pull 4.2 m workboat		
<b>Bay Marine Works</b>	<b>Webster:</b> Palfinger Crane, spud capability 10 m x 3.5 m Steel construction Shallow draft dunne barge	Tauranga	Brian Coxhead 027 295 0077  Sharon Coxhead 027 295 0070 <a href="mailto:admin@baymarineworks.co.nz">admin@baymarineworks.co.nz</a>

			
	<p><b>345 Cat:</b>                  Purpose built 2015 (Oil Spill Tauranga Harbour)                  3.45 Aluminium Workboat                  4 Stroke 15 HP Yamaha</p>		
	<p><b>Mary S:</b>                  4.3 m Aluminium (4 mm) workboat                  60 HP Yamaha Outboard                  Power driven                  Draft 0.25 m</p>		
	<p><b>Lady K Tug:</b>                  8.8 m steel workboat                  90 kw/diesel                  Shaft Drive</p>		
	<p><b>Quest Crane Barge:</b>                  Power driven 141 kw/diesel                  Shallow draft, stern drive                  12 m steel workboat</p>		
	<p><b>Flat Teck Truck</b>                  (deck – 4.7 m x 2.4 m, 6T)                  with Hiab Crane</p>		

<p><b>Silver Fern Shipping Limited</b></p>	<p><b>Korimako</b> Bunker barge</p> <p><b>Emergency contact details:</b> Email: <a href="mailto:master.korimako@sfsl.co.nz">master.korimako@sfsl.co.nz</a>,</p> <p><b>Objective link:</b> A3816908 <a href="#">Customer Information May 2021</a></p> <p><b>Master of the vessel:</b> (Captain Chris Alexandru) 0272 562 290</p> <p><b>Maximum load capacity:</b> 1500 M/T</p> <p><b>Max pumping rate:</b> 480 cubes per hour with two pumps for DMB or black oil and 120 cubes per hour for clean diesel or DMA</p> <p><b>Vessel operating speed:</b> Maximum speed 9 knots</p> <p><b>Fuel types capable of transfer/transport:</b> Range of Marine Diesel to Heavy Fuel Oils (any product with a flashpoint above 60 degrees)</p> <p><b>Approximate charter rates for emergency response (include standby rates if applicable):</b> Price on application for job</p>	<p>Port of Tauranga</p>	
<p><b>Dutch Dredging</b></p>	<p><b>Albatros</b> Trailing Suction Hopper Dredger</p> <p><b>Objective Link:</b> A3816907 <a href="#">Albatros Dredge at Port of Tauranga</a></p> <p>Hopper capacity: 1,860 m<sup>3</sup> Length: 75 m Breadth: 13.40 m Depth: 4.10 m Dredging draft: 3.48-3.80 m Summer draught: 3.21 m Suction pipe: Ø600 mm Maximum dredging draft: 30 m Speed at dredging draft: 10 kn Propulsion: 2 x 700 kW Bowthruster: 260 kW Dredgepump: 700 kW Software: PDS 2000</p>		 <p>Compact 10 Sweeping Arm</p>



	<b>Notation:</b> DEEPSEA – hull + Mach/Hopper dredger/unrestricted navigation/+AUT-UMS/GREEN PASSPORT		
	<b>KOSEQ</b> Compact 10 Sweeping Arm <b>Objective Link:</b> A3816911 <a href="#">Albatros Skimmer System</a> <a href="#">Koseq Compact</a>	The Netherlands	 <p>Phone: +31 180 487 893 Email: <a href="mailto:design@koseq.com">design@koseq.com</a> Web: <a href="http://www.koseq.com">http://www.koseq.com</a></p>
<b>Pacific 7</b>	Pacific 7 provide a wide and expanding range of maritime services. For full capability and contact details: <a href="https://pacific7.co.nz/">https://pacific7.co.nz/</a>	Tauranga	Sean Kelly email: <a href="mailto:sean@pacific7.co.nz">sean@pacific7.co.nz</a> Phone: 07 544 7170
<b>Department of Conservation</b>	8.5 m aluminium boat (twin 150 hp outboard) 0800 DOCHOT – National Level – Based at the Sulphur Point Marina	Tauranga/ Central North Island	(07) 578 7677 – Local office hours number) 0800 DOCHOT – After hours or Central NI a/h duty phone: 027 442 4962 Tauranga Duty Officer (Ranger) 027 495 1597
	<b>Maataariki</b> Senator 800 Alloy Workboat (4.2 lt, 320 hp Mercruiser inboard motor). Passengers 7, skipper 1 = total of 8 persons Can be either passengers or crew	Whakatāne	Office hrs: (07) 307 2770 Local duty ranger: 0274 903 404 0800 DOCHOT – After hours or Central NI a/h duty phone: 027 442 4962
<b>Coastguard</b>	13 m Catamaran – TECT Rescue 5.8 m IRB Sport jet Sealegs 5.5 m	Tauranga	(07) 579 4631 Eastern Regional Office For a full list of Local Office Contacts: <a href="https://www.coastguard.nz/areas">https://www.coastguard.nz/areas</a> Tauranga Local Office (07) 578 5579 Tauranga Duty Officer 027 436 7323

## Aviation services

### Helicopters

Organisation	Type of equipment	Location	Contact
<b>Oceania Helicopters</b>	Squirrel AS 350 BA (max. load 800 kg) Carbon Fibre spray gear (700 litres)	Tauranga	Glen Olliff (07) 575 0689 027 494 2046
<b>Heli Resources</b>	Bell UH1H 1700 kg x 2 Waterload 1580 L AS350 B3 1200 kg Bell 206 L4 x 2 600 L, Bell 206 Jet Ranger (450 kg lift with 400 L water load)	Murupara	Tony Bradley 021 784 529 Derek Lowe 021 943 641
<b>Kāhu</b>	Sikorsky UH60 3.6 t, 15 seats, 140 knots cruising speed, 2.2 hours flying time. Waterload 3400 L Eurocopter AS350 Squirrel, 1400 kgs max or 6 passengers	Whakatane	(07) 308 4188
<b>Waimana Helicopters Limited (Robert Fleming)</b>	AS 350 BA "Squirrel" (700 kg) Mc Donald 500E (550 kg)	Waimana	(07) 312 3243

### Fixed Wing Aircraft spotters

Organisation	Type of equipment	Location	Contact
<b>Tauranga Aero Club</b>	Cessna 172 fixed wing aircraft ZKTAB  3 passengers 4.3 hrs flying time	Tauranga	(07) 575 3210
<b>Sunair Aviation (Daniel Power)</b>	Piper Aztec, 5 seats Cessna 3 seats	Tauranga	07 575 7799 or 0800 786247

## Safety equipment

NZ Safety Blackwoods Tauranga	Protective Clothing	0800 660 660
<b>EnviroNZ</b>	Spill equipment and PPE	Price lists:  <b>Objective Link: A2627864:</b> <a href="#">ESL-MNZ Final Service Contract - Signed</a>  <b>Objective Link: A2704309:</b> <a href="#">2017-09-20 ESL Price Book - July 2015</a>

Please note that Blackwoods Safety Limited is a preferred Council supplier of response safety equipment during normal working hours.

## Sampling laboratories

<b>Hill Laboratories</b> 25 Te Aroha Street PO Box 4048 Hamilton East (Independent of the oil industry)	(07) 858 2000
<b>Independent Petroleum Industry (IPL)</b> Oil Finger Printing: Optimal Emission Spectrometry – detects metals Gas Chromatography/Mass Spectrometry – determines oil make-up - diesel, lube oil, HFO. 24 hour turnaround Postal: IPL 151 SH 15A, Marsden Point, Ruakaka 0151	09 432 8567
<b>Initial Oil Analysis</b> Flinders Cook (Technical Services) Limited (Independent of the oil industry) 37 Spring Street Freemans Bay Auckland	09 360 2077 <a href="mailto:flinders@iconz.co.nz">flinders@iconz.co.nz</a>

## Cargo and marine services

**Intertek Surveyors** (07) 575 6988 – [Intertek.com](http://Intertek.com)

Marine Surveyor 021 413 7854

John Hill – [John.hill@intertek.com](mailto:John.hill@intertek.com) – Marine Surveyor

## Independent inspection services

**Marine Survey Tauranga Limited.** Dene O’Loughlin - 027 474 5854

## Independent valuation services

**New Zealand Marine Valuations**, Ian Walker: Mobile: +64 27 4921 676 [ian@marinevaluations.co.nz](mailto:ian@marinevaluations.co.nz) or [ian@boatvaluer.kiwi](mailto:ian@boatvaluer.kiwi)

## Diving and salvage contractors

### Pacific Diving

15 La Cumbre Close, Bethlehem, Tauranga 3110  
M 0274 788 586 E [info@pacificdiving.co.nz](mailto:info@pacificdiving.co.nz) W [www.pacificdiving.co.nz](http://www.pacificdiving.co.nz)

**Price Guide: Objective Link: A2717121**

[2017-10-12 Pacific Diving Capability, Services and Pricing](#)

### Bay Underwater Services New Zealand Limited

Rob Campbell: Managing Director; Email: bay.underwater@xtra.co.nz, Mob: 0274 488 951,  
Office: 07 542 0951, Website: [www.bayunderwater.co.nz](http://www.bayunderwater.co.nz)

Note: Once divers work over four hours, they charge a full day.

### Greenfield Diving Services

Brendon Cappely – Manager; Phone: 0272 499 923; E-mail: [brendon@greenfelddiving.co.nz](mailto:brendon@greenfelddiving.co.nz)  
Jenni Cappely – Admin; Phone: 0275 556 571, E-mail [jenni@greenfelddiving.co.nz](mailto:jenni@greenfelddiving.co.nz)  
Website: <https://greenfelddiving.co.nz/>

## Other supporting equipment

<b>Whakatōhea Mussels (Opotiki) Ltd</b>	Have access to boats. Also a sensitive site in the eastern area	c/o PO Box 541 Opotiki 3162	07 315 5230
<b>ECL Group</b>	Air operated Aro Pump (50 mm, 40 m hose) Air operated Wilden Pump (50 mm, 120 m hose) Air drill ½” Air wrench ½” and impact sockets Adaptors and couplings Air hose Spill containment booms (an assortment of sizes) Pillows, pads Complete spill kits Shovels, rakes, and sundry equipment Absorbent granules	Mount Maunganui	0800 802 8400 (24 hrs)
<b>Hirepool</b>	<b>A range of air operated compressors, pumps and trailers</b>	<b>Mount Maunganui</b>  <b>Rotorua</b>  <b>Whakatāne</b>	<b>0800 151 515</b> <a href="mailto:Mtmaunganui.branch@hirepool.co.nz">Mtmaunganui.branch@hirepool.co.nz</a>  <a href="mailto:Rotorua.branch@hirepool.co.nz">Rotorua.branch@hirepool.co.nz</a> <b>07 308 8822</b> <a href="mailto:Whakatane.branch@hirepool.co.nz">Whakatane.branch@hirepool.co.nz</a>
<b>Kennards Hire</b>	Full range of construction/earthworks equipment	Tauranga	0800 470 370

<b>New Zealand Fire and Emergency (Tauranga)</b>	<b>HAZMAT Command Unit</b> 7 x self-propelled pumping appliances, hose layer 1080 m or 125 mm layflat hose  4 x 2.5 m rigid hose per truck  1 x water tank	<b>Tauranga Station House</b>	<b>Dial 111 for emergencies</b> <b>(07) 578 7098</b>
<b>Waiotahi Contractors</b>	Engineering contractors spike@waiotahi.co.nz	Opotiki	Spike Peterson - Opotiki (07) 315 6580 spike@waiotahi.co.nz
		Whakatane	Hardus Coetzee (07) 308 8098 – Office Hardus@waitahi.co.nz
<b>Opotiki District Council</b>	Water tanker (portable 4,500 L) Fire engines x 2	Waihau Bay	(07) 315 3030
<b>Page Macrae</b>	Engineering contractors	Mount Maunganui	(07) 575 5079
<b>Pro Marine Electrical</b>	Marine Electrical Contractors	Sulphur Point	(07) 578 6728
<b>Rowe Motors</b>	Towing services	Tauranga	(07) 578 8405
<b>Rotorua Towing</b>	Towing services	Rotorua	0800 777 875
<b>A1 A Towing Service</b>	Towing services		07 343 9120
<b>Z Energy</b> See Oil Transfer Site Spill Response Plan for details of full response capability	Tank farm secondary containment capable of holding at least 110% of largest shore tank. • Absorbent Material • Drip trays • Buckets • Brooms, Squeegees • Air pumps with camlock connections • Hose • Faucet dry break coupling (3" and 4") • Assortment of camlock fittings 2", 3",4" • Assorted brass fittings and airline fittings • Airlines • Earthing cable • Oil Sorbent pads • Empty 60 litre open top sealable drums • Absorbent socks 6.1 m long boom	Tauranga	07 574 4372

<p><b>Mobil</b> See Mobil's Tier 1 response for information and activation of the Port-Industry Booming Plan <b>Objective Link: fA959926 Final Approved Plan is the most recent version Also refer to the Port-Industry Booming Plan attached in Annex 4</b></p>	<p><b>Air Operated Wilden Pump (50 mm)</b> <b>Flame Proof Electric Monopump (80 LPM)</b> <b>Diesel Powered Bunker Pump (75 mm)</b> <b>75 mm hose (3 x 4 m lengths)</b> <b>Oil spill trailer</b></p>	<p><b>Mount Maunganui</b></p>	<p><b>(07) 575 4077</b></p>
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## Drone technology

**National Solutions** – Close vicinity aerial photography, video, mapping and analysis. Note there is a 4 km exclusion zone around Tauranga Airport. Contact 07 576 0770.

Bay of Plenty Regional Council Compliance and Harbourmasters Team also have access to aerial drones that have survey and photographic functions.

## Oiled wildlife response equipment

Department of Conservation staff is well placed to play a key role in consultation and liaison with local iwi in relation to wildlife response.

### Regional Wildlife Kits and mobile trailer units

The Regional Wildlife Kit is stored in the Oil Spill Equipment Shed, Port of Tauranga. Access to this kit is through the ROSC.

Currently, there are four mobile trailer units around New Zealand owned by MNZ but managed by Massey University. The closest trailer to Tauranga is based at MPRS in Te Atatu, Auckland, and the other North Island trailer is based at Massey University in Palmerston North. The Wildlife Response Capability provided by Massey Wildbase is not considered a National Response Capability, therefore, mobilisation of Wildbase and/or additional wildlife response equipment should be requested through the Oil Spill Duty Officer: Ph 04 473 6369.

Note: The regional kit and the mobile units are start-up units for small numbers of birds for the initial stage of a response. They are not suitable for Temporary Holding Centres (THCs) and Temporary Recovery Centres (TRCs).

An inventory of the items of equipment that will be required to implement a regional wildlife response operation is listed below. All of these items with the exception of waratah stakes and bird holding pens are contained in the Regional Wildlife Kit.

The following kit is contained in blue wildlife containers:

<b>Blue Box – Capture and Hazing - 1 x Dolav and 3 large fish bins</b>				
<b>Contents are intended to cater for 20 birds and associated field personnel</b>				
<b>Additional items (take on the day): sunscreen, water bottle, hat, appropriate clothing including footwear, Comms equipment</b>				
<b>Activity</b>	<b>Item</b>	<b>Use</b>	<b>Number</b>	<b>Supplier</b>
<b>Deterrence and hazing</b>	Rope (approx. 150 m)	Attach bird scare tape	10 pkts	Mitre 10
	Bird scare tape	Hazing	15 pkts	Mitre 10
	Flag on a rope	Hazing	2	NZ Safety
	Air horn	Hazing (Manual)	1	Burnsco
<b>Capture live birds and collection dead birds</b>	Transport boxes	Transportation of birds	25	Wildbase*
	Pillowcases	Capture before putting in transport boxes	25	Warehouse
	Matasorb	Absorbent liner for transport boxes	25 approx. 150 m)	NZ Safety
	Towels	For “throwing” over birds to capture	10	Warehouse
	Long handled dip nets	Capture birds	10	Hunting & Fishing
	Collection tags	Labelling transport boxes and collection bags	100	Wildbase*
	Sturdy plastic bags	Dead birds	50	MPRS
	Cable ties, 200 mm	Sealing bags, hanging bird scare tape	100	Bunnings
<b>PPE</b>	Tyvek size M	PPE	10	NZ Safety
	Tyvek size L	PPE	10	NZ Safety
	Tyvek size XL	PPE	10	NZ Safety
	Tyvek size XXL	PPE	10	NZ Safety
	Nitrile gloves – size M	PPE	1 box	NZ Safety
	Nitrile gloves – size L	PPE	1 box	NZ Safety
	Nitrile gloves – size XL	PPE	1 box	NZ Safety
	Safety sunglasses	PPE	20 pairs	NZ Safety
	Gardening gloves	PPE	Min 6	NZ Safety
	Masks	PPE	50	NZ Safety



	Foam ear plugs	PPE	10 pairs	NZ Safety
<b>Field safety</b>	High vis safety vests	PPE	20	NZ Safety
	Whistles (plastic)	Attracting attention in the field or hazing	20	Warehouse, sport store
<b>Hand hygiene</b>	Mechanix Orange CRC	Hand cleaning	2L	NZ Safety/Mitre 10
	Alcohol hand gel	Hand cleaning	20	Supermarket/Pharmacy
	Paper towels	Hand cleaning	2 rolls	Supermarket
<b>Administration</b>	Aqua field notebooks	Field notes	10	Warehouse Stationary
	Pencils	Field notes	10	Warehouse Stationary
	Sharpener	For pencils	1	Warehouse Stationary
	Sharpie pens	Labelling	10	Warehouse Stationary
	Capture/transport log	One entry per bird, send with transport	50	Wildbase
	Admission sheet	Vet team, complete at handover	50	Wildbase
<b>Pre-transport care</b>	Cotton buds	Cleaning oil from eyes	200	Supermarket/Warehouse
	Squeeze bottles	Rinsing bird eyes if necessary	3	Supermarket/Warehouse
<b>Other</b>	Multitool knife and case	Multiuse	1	Burnsco
	Duct tape	Multiuse	2	Mitre 10
	Zip lock bags large	Multiuse	A4, 10	Mitre 10

## Temporary Holding Centres (THC) and Rehabilitation Centres (TRC)

The following locations have been identified and contacts established.

For additional information on wildlife recovery sites, contact one of the BOPRC Wildlife Advisors. For information including site photos and layouts for potential centres around the region, go to:

**Objective Link: A2658058**

[2017-07-21 Oiled Wildlife Recovery Site Information](#)

Information contained in the above report will require verification before sites can be used. The Te Maunga Wastewater Treatment Plant provided a useful regional hub for wildlife response during the Rena Response and would most likely again be the centre for wildlife operations in event of a future incident. Note that the site is undergoing a significant upgrade which will impact space needed for an effective centre.

## Confidential contacts

**Objective Link: A3749135**

File Name: Confidential contacts for marine oil spill response

## Care Groups

**Email contacts for various Care Groups in the Western Bay of Plenty area**

**Objective Link: A3749136**

File Name: Care Group Leader contact details