

IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 1 15 July

DOC-6723483 IAP 1 Plimmerton Orca Recovery 15 July 2021 Rev 4

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND MAP**
- REHABILITATION SCENARIOS**
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Approved by Incident Controller:	Signed	Date/Time
Dave Smith		15 July 2021

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, Fire and Rescue NZ and volunteers to save the animal. • the focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • A search involving volunteers on the mainland, fishermen, private aircraft, boats and the DOC boat out looking for the pod, • DOC has contacted specialist veterinarians for managing the calf, which has included administering electrolytes to rehydrate it. • The calf is in the water in a fenced-off area near a jetty, and DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has started with taking blood and some feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • The tactical group is now under DOC’s CIMS structure and will work to the same Health and Safety standards as DOC staff. • Media interest continues to be high- refer to XXXX update for more details. • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • For the orca, a temporary holding pen, will be available if the swell in the current sea pen places the orca at increased risk. • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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5. Action taken
 An IMT has been established at the Plimmerton Boat Club.

Processes have been established for

1. Safely managing the return of Toa to the open sea environment
2. Safely managing the public and visitors to the Plimmerton Boat Club

6. Factors
 Public interest is high
 Iwi interest is very high.
 An intervention approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case.

7. Predicted Incident Development

What are the likely future outcomes so we can plan for that

Scenario

- See rehabilitation scenarios below Initial approach is to maintain Toa until a local pod with a lactating female is identified, the weather conditions are suitable then relocate and bond Toa to the pod.
- In case of death of Toa the Hongoeka Marae will receive and manage him (Contacts [REDACTED] or [REDACTED])

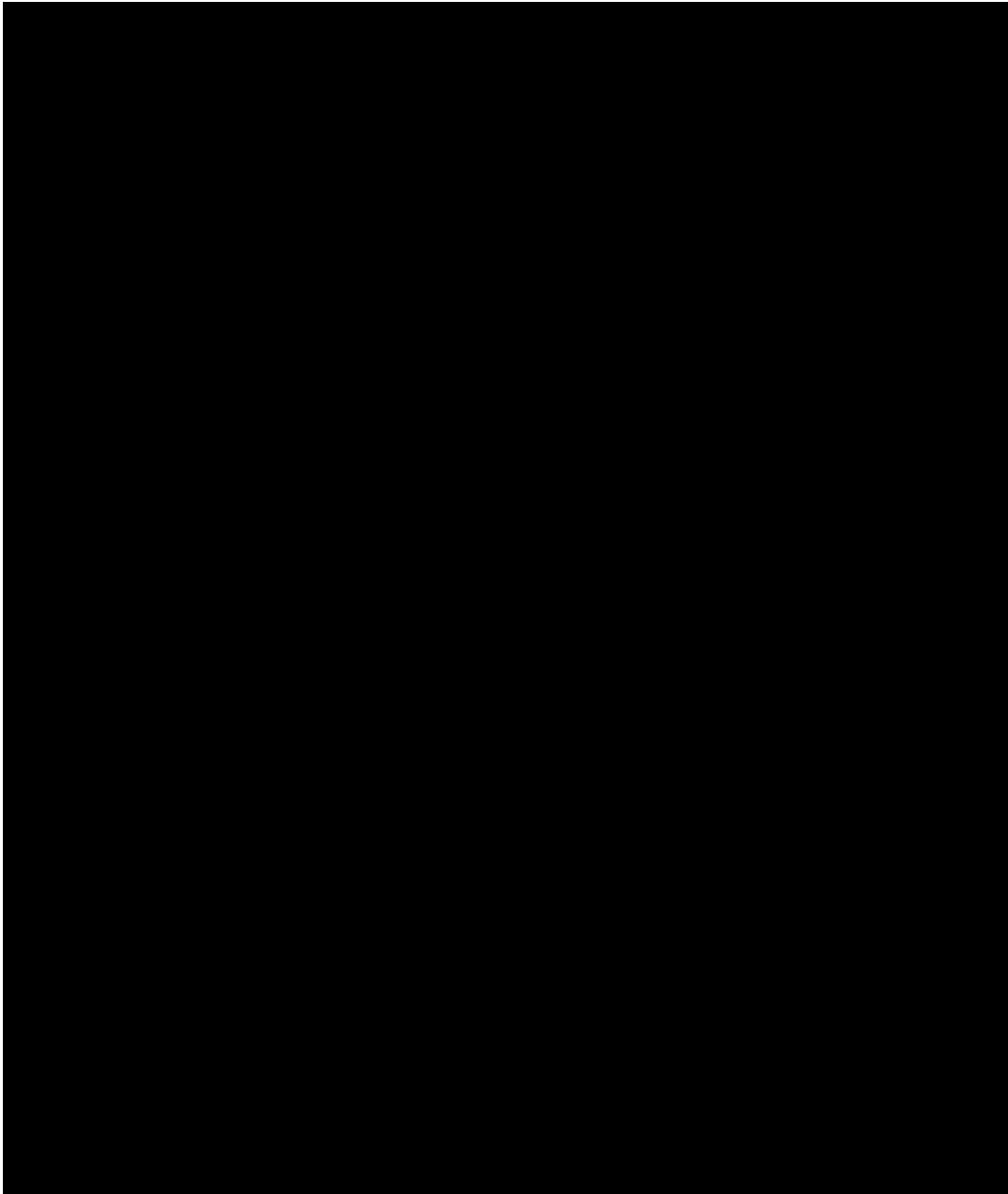
Prepared by: Ian Angus	Date: 15 July	Time: 1600
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1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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Incident Objectives

RF202

<p>4. Objectives for specified Operational Period</p> <p>Purpose: To achieve the best practical outcome for “Toa” the orca calf</p> <p>Objectives:</p> <ol style="list-style-type: none">1. Maintain human life and safety – workers, volunteers and public and order2. Maintain animal welfare3. Maintain good law and order
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1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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Crew Assignment

RF204

3. Sector A	4. Description Manage animal welfare			5. Division Assigned	
6. Sector Supervisor	Ingrid Visser				
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>
Management of the pen area	Ingrid Visser				
Management of Volunteers					
8. Sector Assignment / Special Instructions Key Task Provide animal welfare to Toa <ul style="list-style-type: none"> Management of the pen area Volunteer coordination Aircraft on standby Boats on standby for possible Orca transportation 					
9. Sector Communications				<i>Phone</i>	<i>Radio Ch</i>
Division/Division Cmdr _____					
Air Attack Supervisor _____					
Safety Officer _____					
Prepared by: [REDACTED]		Date: 15 July	Time: 1600		

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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1. Name		2. Operational Period		AIR OPERATIONS PLAN	
3. Personnel and Communications					
Position	Name	Affiliation	Phone	Sat ph	
4. Air Resource Assignments					
Pilot Name/ Company	Aircraft Type	Reg or Call sign	Bucket kg and #	Swath	Telephone Numbers
Kapiti Heli-works					
Kapiti Aero Club					
SCN Helicopters					
5. Location of Filling Points/Service Areas					
Name			Grid Reference		
			NZTM E1180255 N4943932		
			Lat 45.53148660 Long 167.62424784		
6. Safety Notes / Hazards / Radio Coverage Limitations					
7. Air Operations Special Equip or Service					
8. Prepared by:				Date/Time	

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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1. Name		2. Operational Period		BOAT OPERATIONS PLAN
		Date Time		
3. Personnel and Communications				
Position		Name		Details
Lead Boat Master				
4. Boat Resource Assignments				
Pilot Name/ Company		Boat type		Reg or Call sign
5. Location of Filling Points/Service Areas				
Name		Grid Reference/Location Names		
Plimmerton		NA		
6. Safety Notes / Hazards / Radio Coverage Limitations				
Safety briefings and JSA will be performed by skippers prior to departing. Skippers will sched with XXX base as per usual boating operations. LINK TO JSA				
7. Boat Operations Special Equip or Service				
Boat operations are carried out by qualified DOC staff. They are responsible for managing the boats. The 2 boats are located at the DOC workshop and will be transported to Supply Bay and the Te Anau Boat harbour ramp using 2 transport vehicles (Supply Bay will need to be a 4x4) Suitably qualified DOC Skippers (x2) and Crews (x2) will manage the two boats (see Security Plan & Sector D Assignment). Boat 1 will be used to Boat 2 will be used to.				
Boat crews will be operating under LNI SOPs and safety plans.				
8. Prepared by:				Date/Time
8. Reviewed by Safety Officer:				Date/Time

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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Safety Plan

RF209

3. General Safety Points

Everyone is to be signed in and out of the fire ground through the Incident Control Point for both safety check and payment records.

Ensure you have means of communications

Maintain regular situation reports (containing all relevant information) via line supervisors.

Vessel operating limits at discretion of skipper in enclosed waters

	1.	
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Environmental Hazards

- Sun screen, hats and clothing
- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Tidal movement
- Water depth – wear life jacket
- Whale activity

Mechanical

- Boats – comply to skippers orders and safe loading limits

Human affects

- Emotional impacts

Risk Manager link: Safety Plan 100153

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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1. Incident Name Tauranga Harbour Orca		2. Operational Period Date Time		MEDICAL PLAN RF206		
3. First Aid Station						
Name		Location		Phone/Radio Channel		Paramedics available at Station
Accident and Health Care (until 9 pm)		19 Second Ave		5770010		
Katikati Medical Centre (Mon-Fri, Sat am)		4 Clive Rd, Katikati		5490411		
4. Transportation						
Ambulance Service		Address		Phone/Radio Channel		Paramedics available with Ambulance
St Johns		184 Devonport Rd		111		Yes
5. Hospitals						
Hospital Name		Address		Phone		Travel Time Road Air Burn Unit Heli Pad
Tauranga Hospital		829 Cameron Rd		5798000		45 min 5 Yes

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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6. Special Emergency Procedures	
7. Prepared By: [REDACTED]	Date/Time 1500hrs
8. Reviewed by Safety Advisor:	Date/Time

Orca Rehabilitation Scenarios

Scenario	Timing	Risks/Dependencies	Key decisions
Reunite calf into a pod	Consider have around a week at current site	Locating pod, identifying pod, distance from Wellington WI orca not resilient enough?	CIMS can make decision to translocate based on safety, practicality and wellbeing of orca (top of South Island to Whanganui approx. practical distance)
Reunite calf into a pod with lactating female	As above	As above plus question whether pod will accept calf. WI pod does not accept calf?	Ethics/animal welfare about pursuing option. CIMS decision based on advice from TAG.
Relocate calf to sea pen until such time can reunite into pod or a pod	Might be necessary in two weeks. Might be needed for up to 6 months. Approx \$1m to set up. \$0.5M pm to run.	Suitable site – Marlborough? Ethics, logistics, media and public backlash, precedent.	Ethics/animal welfare. Decision outside of CIMS based on advice from TAG.
Open water training (gradually remove calf from pen as weaned with aim to reunite into a pod)	Might take up to 9 or more months.	Calf needs to be weaned. Best scenario 9 months. Pod may not accept calf.	Ethics/welfare. As above.
Deteriorating orca leading to decision to euthanise	This is something that sits across all options. Health protocols in place.	Public and media backlash	Immediate decision can be taken within CIMS, under advice from TAG and iwi. If we take up longer term options need to ensure SPA and protocols in place.

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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Appears key to form a TAG (vets and animal welfare expertise domestic and international, marine mammal science, iwi). Will need include Orca Research Trust. Chair, participants, TORS... Marine Species team can lead but might be better run by someone with animal ethics background.

Do we need a decision maker role outside CIMS for these bigger, more complex scenarios? Cost, ethics and reputational risks are significant.

Weather Forecast

Coastal Marine (Metservice)

Forecast <https://www.metservice.com/marine/recreational/locations/wellington>

Wellington Recreational Forecast

 Gale warning

Nearby coastal warnings: Storm warning for Cook

Today: Northerly 20 knots gusting 30 knots, rising to 25 knots gusting 35 knots this evening. Sea becoming rough this evening. Cloudy. For the South Coast and Palliser Bay: Southerly swell half a metre to 1 metre. For Castlepoint: Southerly 1 metre.

Friday: Northerly 25 knots gusting 35 knots, rising to 30 knots gusting 40 knots in the morning. Northerly rising to 35 knots gusting 45 knots in the afternoon, and to 40 knots gusting 50 knots in the evening. Sea becoming very rough in the afternoon. Fair visibility in a few showers, turning to rain in the evening. For the South Coast and Palliser Bay: Southerly swell half a metre to 1 metre. For Castlepoint: Southerly swell 1 metre, rising to 2 metres.

Saturday: Northwest 40 knots, easing to 25 knots in the afternoon. Rain, with possibly heavy falls, easing in the evening. For the South Coast and Palliser Bay: Southerly swell half a metre to 1 metre. For Castlepoint: Southerly swell 2 metres, easing to 1.5 metres. Easterly swell 2 metres developing.

Sunday: Northwest easing to 15 knots in the morning, then dying out in the afternoon. Showers. For the South Coast and Palliser Bay: Southerly swell half a metre to 1 metre. For Castlepoint: Southerly swell easing to 1 metre. Easterly swell 2 metres.

1. Incident Name Plimmerton Orca Calf	2. Operational Period – 0800 – 1700 Friday 15 July
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Tides <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

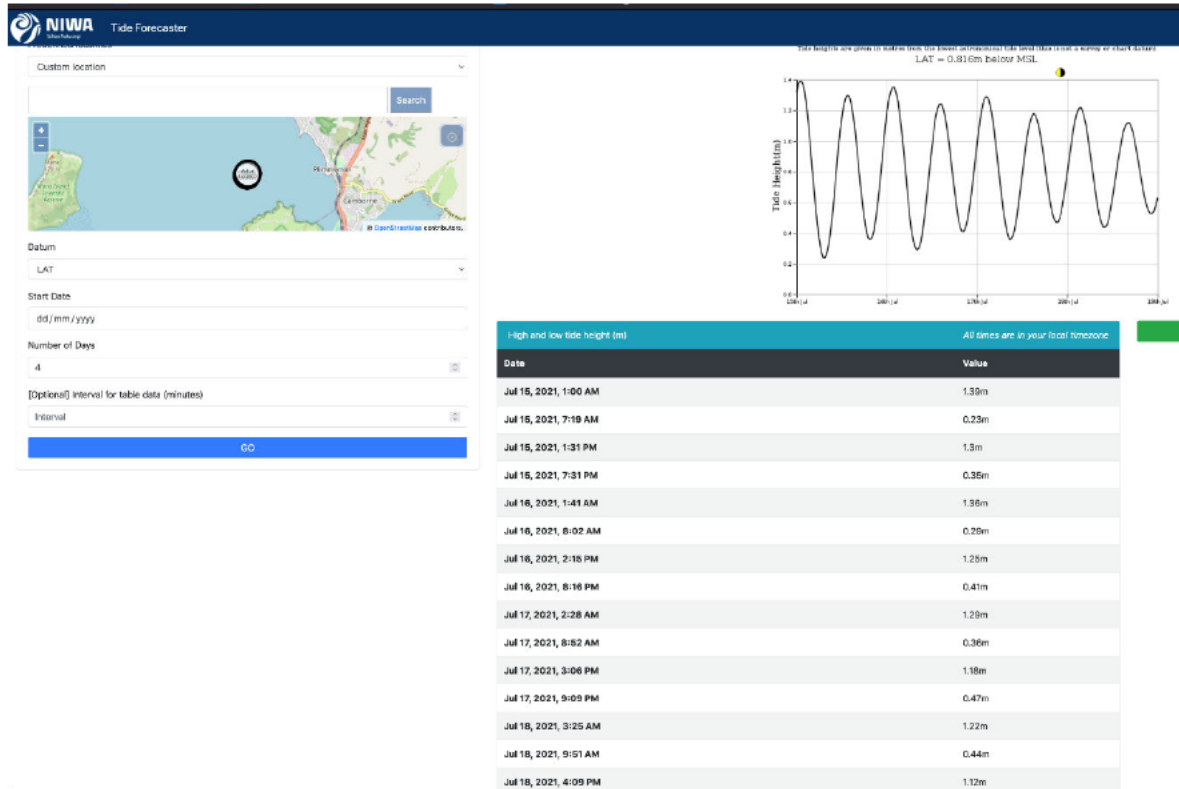
Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
THU15 JUL	00:59 1.7m	07:02 0.6m	13:26 1.6m	19:11 0.7m	-
FRI16 JUL	01:39 1.6m	07:45 0.6m	14:07 1.6m	19:46 0.7m	-
SAT17 JUL	02:24 1.6m	08:32 0.7m	14:51 1.5m	20:28 0.7m	

NIWA created an animation of the wave and wind forecast that you can show in your meeting (download here: <https://drive.google.com/file/d/1xniFZwR90sm01DRuGoETkL0pJ6wmswA5/view?usp=sharing>).

In general, the worst weather is expected on Friday night and Saturday with very strong winds and building swell. Rain will also be a factor.

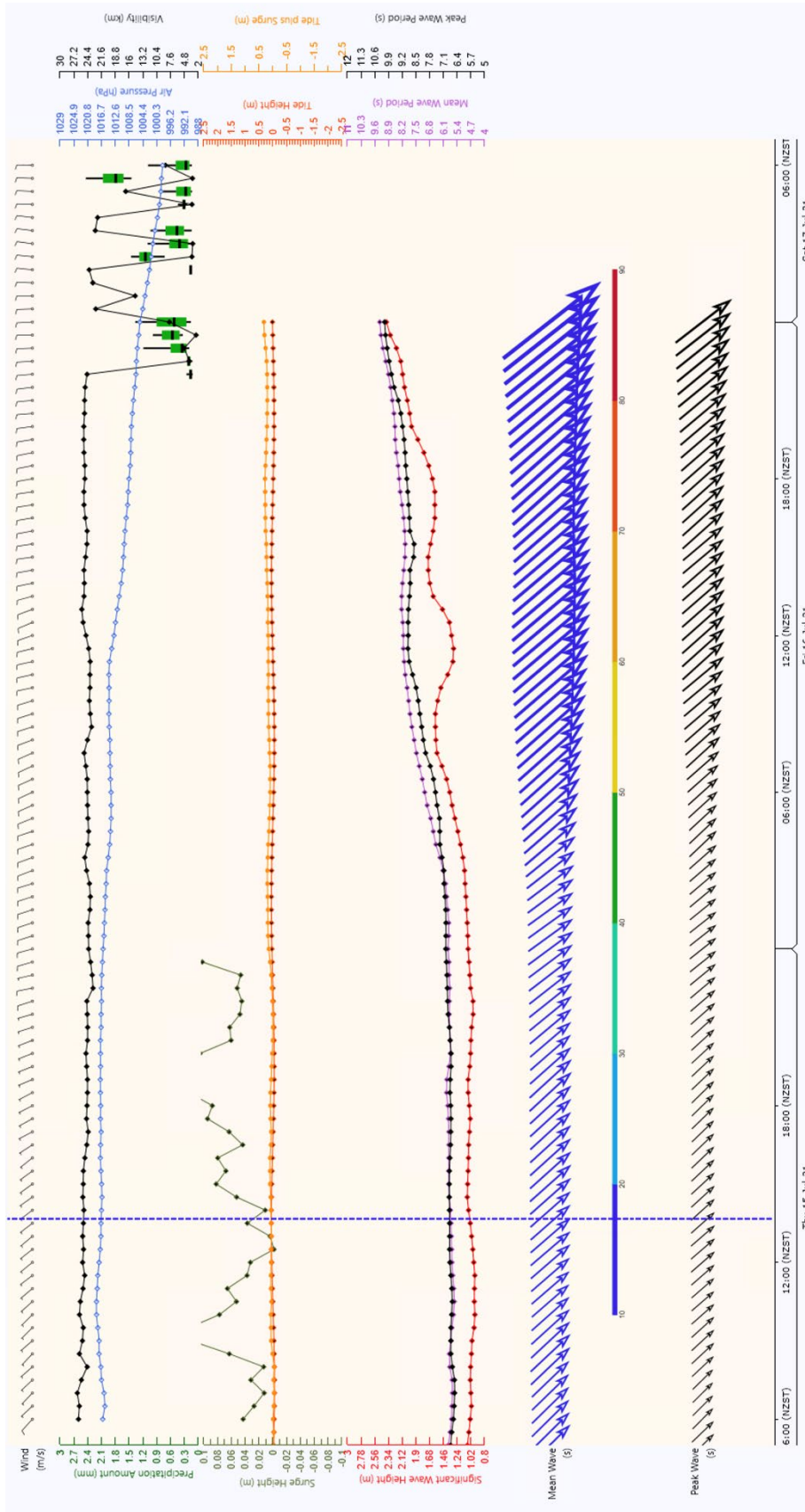
NIWA tide forecast at 1400 15 July



1. Incident Name
Plimmerton Orca Calf

2. Operational Period – 0800 – 1700 Friday 15 July

NIWA Forecast for Plimmerton-Mana at 1400 Thu 15 July



IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 2 17-18 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery 15 July 2021 Rev 4

IAP 2 Plimmerton Orca Recovery 16 July 2021 Rev X

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND MAP**
- SIGHTING PROTOCOLS**
- VOLUNTEER PROTOCOLS**
-

Approved by Incident Controller:	Signed	Date/Time
Dave Smith		16 July 2021

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, Fire and Rescue NZ and volunteers to save the animal. • the focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • A search involving volunteers on the mainland, fishermen, private aircraft, boats and the DOC boat out looking for the pod, • DOC has contacted specialist veterinarians for managing the calf, which has included administering electrolytes to rehydrate it. • The calf is in the water in a fenced-off area near a jetty, and DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has started with taking blood and some feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • The tactical group is now under DOC’s CIMS structure and will work to the same Health and Safety standards as DOC staff. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • For the orca, a temporary holding pen, will be available if the swell in the current sea pen places the orca at increased risk. • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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5. Action taken Thu 15 July <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night Processes have been established for <ol style="list-style-type: none"> 1. Safely managing the return of Toa to the open sea environment 2. Safely managing the public and visitors to the Plimmerton Boat Club

6. Factors Public interest is high Iwi interest is very high. An intervention approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case.
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7. Predicted Incident Development What are the likely future outcomes so we can plan for that Scenario <ul style="list-style-type: none"> • See rehabilitation scenarios below Initial approach is to maintain Toa until a local pod with a lactating female is identified, the weather conditions are suitable then relocate and bond Toa to the pod. • Establish two Sectors – <ul style="list-style-type: none"> ○ Direct management of orca in pool or the Sea cage ○ Manage the sightings • In case of death of Toa the Hongoeka Marae will receive and manage him (Contacts [redacted] or Rongoa Richmond)

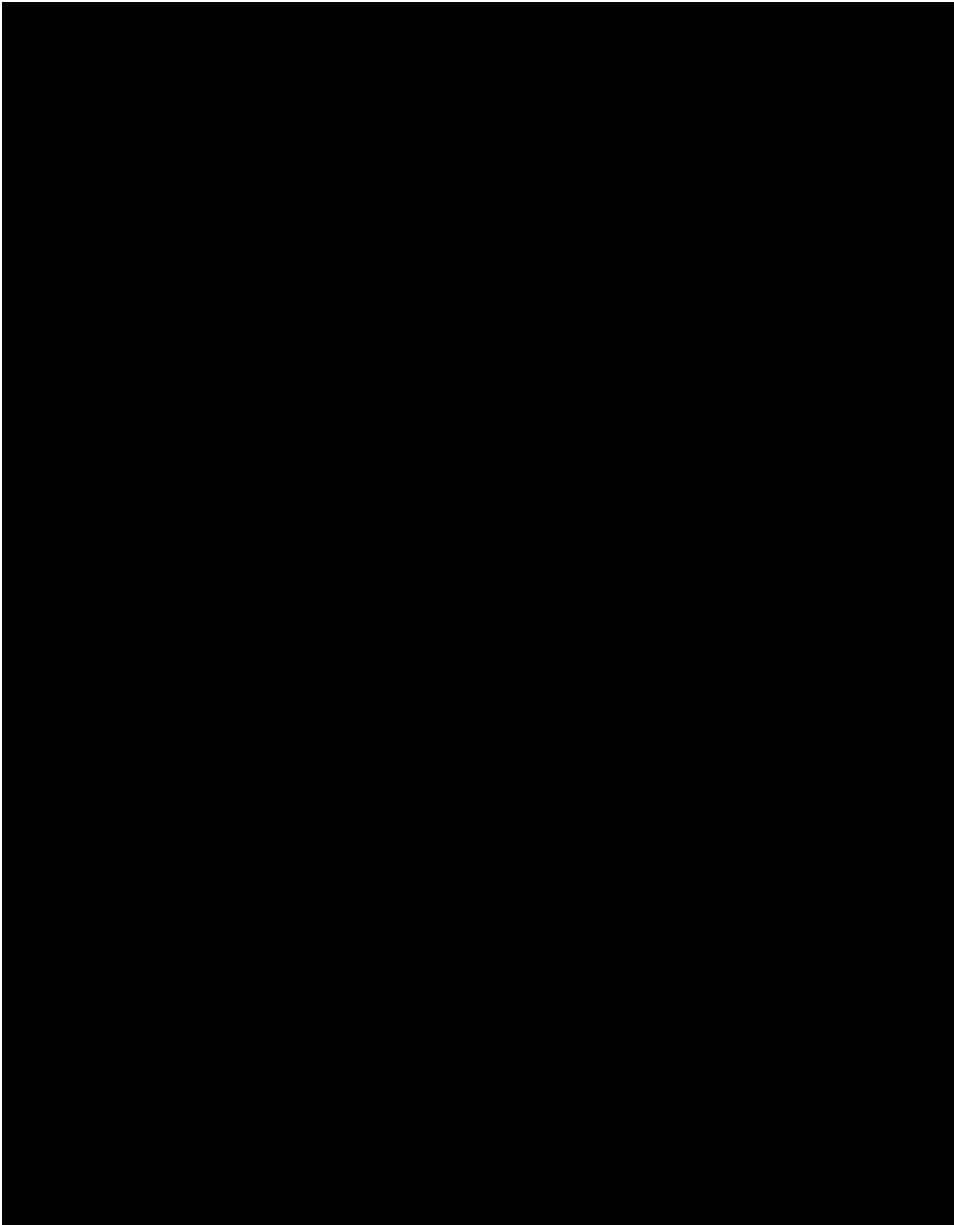
Prepared by: Ian Angus	Date: 16 July	Time: 1600
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Incident Objectives

RF202

<p>4. Objectives for specified Operational Period</p> <p>Purpose: To achieve the best practical outcome for “Toa” the orca calf</p> <p>Objectives:</p> <ol style="list-style-type: none">1. Maintain human lifeand safety – workers, volunteers and public.and order2. Maintain animal welfare3. Prepare long term planning options
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Crew Assignment

RF204

3. Sector A	4. Description Manage animal welfare		5. Division Assigned																																
6. Sector Supervisor	Ingrid Visser																																		
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Management of the pen area</td> <td>Ingrid Visser</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Management of Volunteers</td> <td style="background-color: black;"></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	Management of the pen area	Ingrid Visser					Management of Volunteers																	
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Management of the pen area	Ingrid Visser																																		
Management of Volunteers																																			
8. Sector Assignment / Special Instructions Key Task Provide animal welfare to Toa <ul style="list-style-type: none"> Management of the pen area Volunteer coordination – See end of document for Volunteer Protocols Aircraft on standby Boats on standby for possible Orca transportation 																																			
Prepared by: [REDACTED]		Date: 16 July	Time: 1600																																

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Crew Assignment

RF204

3. Sector B	4. Description Manage sightings			5. Division Assigned		
6. Sector Supervisor	[REDACTED] (DOC)					
7. Resources Assigned this period						
<i>Resource/Crew</i>		<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>
8. Sector Assignment / Special Instructions						
Manage the sightings from the public (See below for call receiving protocols)						
Prepared by: [REDACTED]				Date: 16 July	Time: 1600	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Safety Plan

RF209

3. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Vessel operating limits at discretion of skipper in enclosed waters

Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Had discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols to be strengthened.

Site now secure with limited access for the public

Plimmerton Boat Club open to members this afternoon.

Poor weather continuing until Sunday evening-Monday morning

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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1. Incident Name Plimmerton Orca Recovery		2. Operational Period Date Time		MEDICAL PLAN RF206		
3. First Aid Station <i>Name</i>		<i>Location</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available at Station</i>
Plimmerton Medical Centre						
Mana Medical Centre		107 Mana Esplanade Wellington				
Pacific Health Service Porirua						
4. Transportation <i>Ambulance Service</i>		<i>Address</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available with Ambulance</i>
St Johns		184 Devonport Rd		111		Yes
5. Hospitals <i>Hospital Name</i>		<i>Address</i>		<i>Phone</i>		<u><i>Travel Time</i></u> <i>Road</i> <i>Air</i> <i>Unit</i> <i>Heli Pad</i>
Wellington Hospital						45 min 5 Yes
Hutt Hosital						
6. Special Emergency Procedures						
7. Prepared By: [REDACTED]				Date/Time 1500hrs		
8. Reviewed by Safety Advisor:				Date/Time		

Weather Forecast

Coastal Marine (Metservice)

Forecast <https://www.metservice.com/marine/recreational/locations/wellington>

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Wellington Recreational Forecast

 Gale warning

Nearby coastal warnings: Storm warning for Cook

Today: Northerly 35 knots gusting 50 knots, rising to 40 knots gusting 55 knots this evening. Sea very rough. Fair visibility in a few showers, turning to rain this evening. For the South Coast and Palliser Bay: Southerly swell half a metre to 1 metre. For Castlepoint: Southerly swell 1 metre.

Saturday: Northerly 40 knots gusting 55 knots, rising to 45 knots gusting 60 knots in the morning. Changing northwest 30 knots gusting 40 knots late afternoon. Sea becoming high for a time morning and afternoon. Poor visibility in rain, turning to showers late afternoon. For the South Coast and Palliser Bay: Southerly swell half a metre to 1 metre. For Castlepoint: Northeast swell 2 metres developing. Southerly swell easing to half a metre.

Sunday: Northwest 25 knots changing southerly 25 knots in the evening. Periods of rain. For the South Coast and Palliser Bay: Southerly swell half a metre to 1 metre. For Castlepoint: Northeast swell 2 metres. Southerly swell 1 metre.

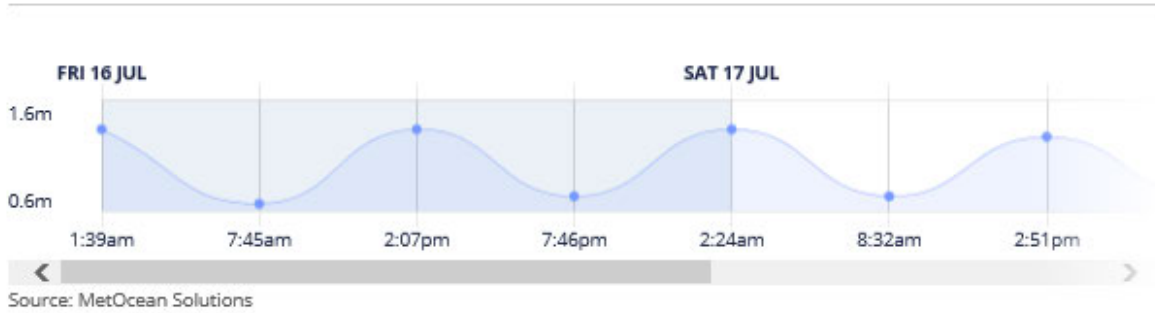
Monday: Easing to southerly 15 knots early. Often cloudy. A few morning showers. For the South Coast and Palliser Bay: Southerly swell rising to 1.5 metres. For Castlepoint: Southerly swell rising to 1.5 metres. Northeast swell 2 metres, dying out.

Tuesday: Becoming northerly 15 knots. Partly cloudy. A chance of morning shower. For the South Coast and Palliser Bay: Southerly swell easing to 1 metre. For Castlepoint: Southerly swell easing to 1 metre.

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Tides <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
FRI 16 JUL	01:39 1.6m	07:45 0.6m	14:07 1.6m	19:46 0.7m	-
SAT 17 JUL	02:24 1.6m	08:32 0.7m	14:51 1.5m	20:28 0.7m	-
SUN 18 JUL	03:19 1.5m	09:25 0.8m	15:43 1.4m	21:24 0.8m	-
MON 19 JUL	04:29 1.4m	10:29 0.8m	16:55 1.4m	23:00 0.9m	-
TUE 20 JUL	05:52 1.4m	11:52 0.8m	18:31 1.4m	-	-
WED 21 JUL	-	00:51 0.8m	07:09 1.4m	13:23 0.8m	19:51 1.4m
THU	-	02:02	08:15	14:40	20:51

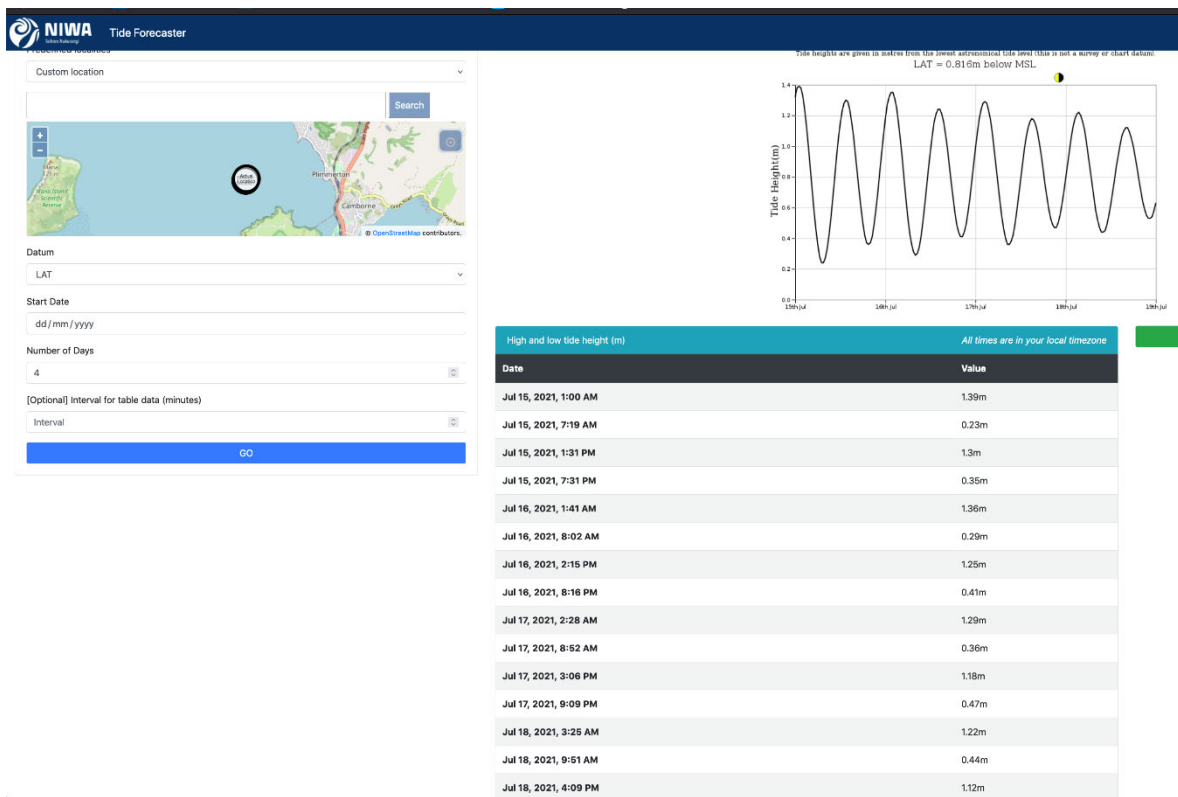
1. Incident Name
Plimmerton Orca
RecoveryRecovery

2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July

NIWA created an animation of the wave and wind forecast that you can show in your meeting (download here: <https://drive.google.com/file/d/1xniFZwR90sm01DRuGoETkL0pJ6wmswA5/view?usp=sharing>).

In general, the worst weather is expected on Friday night and Saturday with very strong winds and building swell. Rain will also be a factor.

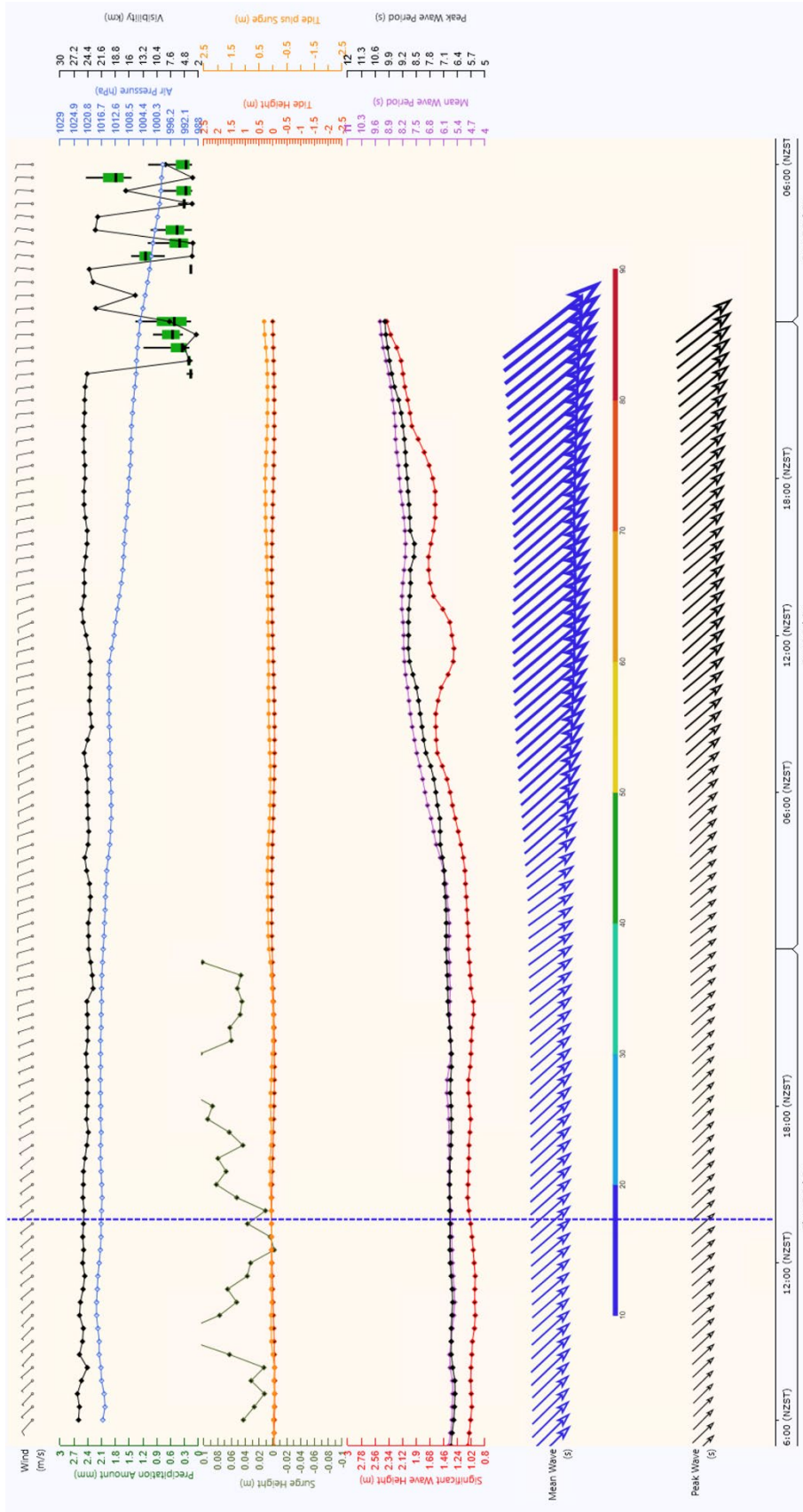
NIWA tide forecast at 1400 15 July



1. Incident Name
**Plimmerton Orca
 Recovery**

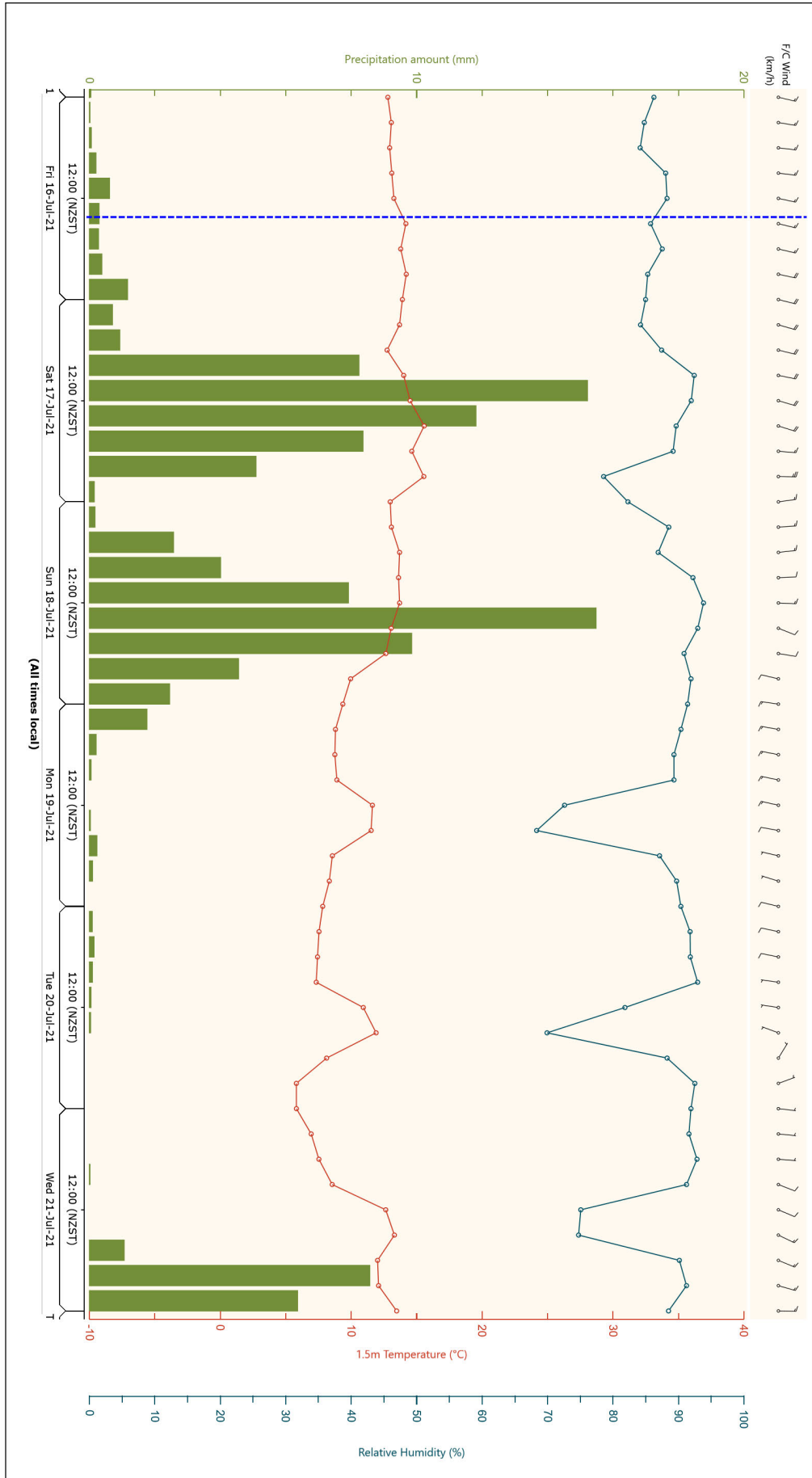
2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July

NIWA Forecast for Plimmerton-Mana at 1400 Thu 15 July



1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July



Portirua, Elsdon Park Aws: 6-day forecast weather
 (Printed 16-Jul-2021 14:13)

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Health and Safety Protocols

- Volunteers must 18 years or over.
- Must have your own wetsuit and booties. 5mm minimum.
- No rings, watches, or large zips that could scratch the whale.
- You must be wearing a mask and gloves to prevent disease transfer.
- Step on the sterile pad when entering and exiting the water.
- Use the wharf for support as the ramp is slippery.
- Do not touch the head, eyes, blowhole, pectoral or dorsal fins.
- Stay away from the tail in case the whale puts on a burst of speed.
Movement can be up and down as well as sideways.
- No go pros, snorkels, or masks.
- Only interact with the whale if he initiates it. Do not hug him, hold him, box him in, or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences. If you need to turn him, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Keep him swimming. He must swim to prevent muscle cramps and keep warm.
- If he circles one way for a long time, change his direction to the other way.
- Speak up if you are cold.
- Watch for trip hazards when exiting.
- Poo scooper hanging on right side for collecting.

IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 3 19 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4

IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7

IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 **Rev?**

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND MAP**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Dave Smith		19 July 2021 11:40 am

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, Fire and Rescue NZ and volunteers to save the animal. • the focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • A search involving volunteers on the mainland, fishermen, private aircraft, boats and the DOC boat out looking for the pod, • DOC has contacted specialist veterinarians for managing the calf, which has included administering electrolytes to rehydrate it. • The calf is in the water in a fenced-off area near a jetty, and DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has started with taking blood and some feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • The tactical group is now under DOC’s CIMS structure and will work to the same Health and Safety standards as DOC staff. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • For the orca, a temporary holding pen, will be available if the swell in the current sea pen places the orca at increased risk. • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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<p>5. Action taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios <p>Processes have been established for</p> <ul style="list-style-type: none"> • Safely managing the return of Toa to the open sea environment • Safely managing the public and visitors to the Plimmerton Boat Club
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<p>6. Factors</p> <p>Public interest is high Lwi interest is very high.</p> <p>An intervention approach is not the traditional DOC position that we have taken in the past with marine mammals however the lwi, public, media and political interests are very high in this case.</p>

<p>7. Predicted Incident Development</p> <p>What are the likely future outcomes so we can plan for that</p> <p>Scenario</p> <ul style="list-style-type: none"> • See rehabilitation scenarios below Initial approach is to maintain Toa until a local pod with a lactating female is identified, the weather conditions are suitable then relocate and bond Toa to the pod. • Establish two Sectors – <ul style="list-style-type: none"> ○ Direct management of orca in pool or the Sea cage ○ Manage the sightings • In case of death of Toa the Hongoeka Marae will receive and manage him (Contacts [REDACTED] or [REDACTED])

Prepared by: Ian Angus	Date: 16 July	Time: 1600
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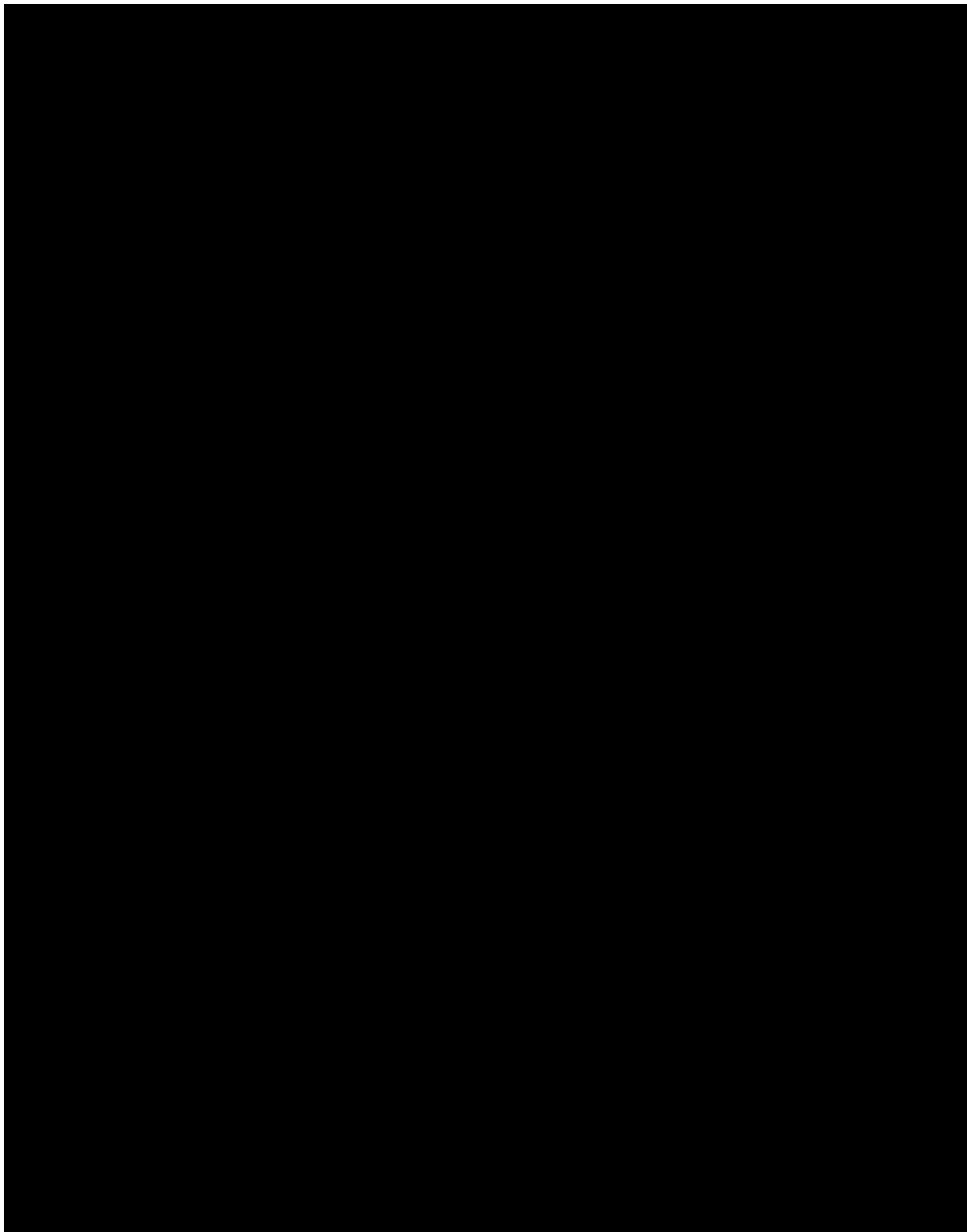
1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Incident Objectives

RF202

<p>4. Objectives for specified Operational Period</p> <p>Purpose: To achieve the best practical outcome for “Toa” the orca calf</p> <p>Objectives:</p> <ol style="list-style-type: none">1. Maintain human life and safety – workers, volunteers and public and order2. Maintain animal welfare3. Prepare long term planning options



1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Dave Smith		
Information Officer			
Safety Officer	Brent Swanson		
Liaison Officer	Angus Holme-Miur		
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED]		
Agency	FENZ [REDACTED]		
Agency			
Agency			
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Sarah Owen		
Situations Unit	Dave Hunt	[REDACTED]	
Resources Unit			
Management Support Unit			
Information Unit			
Advance Planning Unit			
Technical Specialists Unit			
6. Logistics Section		Cell Phone	Radio Ch
Logistics Manager	[REDACTED]		
Supply Unit	[REDACTED]		
Catering Unit			
Facilities Unit			
Finance Unit			
Communications Unit			
Medical Unit			
Ground Support Unit			

RF203

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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7. Operations Section	Cell Phone	Radio Ch
Operations Manager	[REDACTED]	
Deputy Operations Manager		
Division One Commander		
Sector A Supervisor	Ingrid Visser	
Sector B Supervisor	[REDACTED]	
Sector C Supervisor		
Sector D Supervisor		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Sector Assignment

RF204

3. Sector A	4. Description Manage animal welfare		5. Division Assigned		
6. Sector Supervisor	[REDACTED]				
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>
Management of the pen area	Ingrid Visser				
Management of Volunteers	[REDACTED]				
Mike Ogle Boat Operations (to be set up)					
8. Sector Assignment / Special Instructions					
Key Task Provide animal welfare to Toa					
<ul style="list-style-type: none"> • Management of the pen area • Volunteer coordination – See end of document for Volunteer Protocols • Aircraft on standby • Boats on standby for possible Orca transportation 					
Prepared by: [REDACTED]		Date: 16 July		Time: 1600	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Sector Assignment

RF204

3. Sector B	4. Description Manage sightings			5. Division Assigned	
6. Sector Supervisor	[REDACTED] (DOC)				
7. Resources Assigned this period					
8. Sector Assignment / Special Instructions Manage the sightings from the public (See below for call receiving protocols)					
Prepared by: [REDACTED]			Date: 16 July	Time: 1600	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Sector Assignment

RF204

3. Sector c	4. Description Boat Manager			5. Division Assigned	
6. Sector Supervisor					
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>
8. Sector Assignment / Special Instructions					
Manage the boats sector (see Boat Plan below)					
Prepared by: XXXXXXXXXX		Date: 16 July		Time: 1600	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: ██████████			Date/Time 19 July 1000 hrs	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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1. Incident Name	2. Operational Period Date Time	BOAT OPERATIONS PLAN RF208
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3. Personnel and Communications				
Position	Name	Affiliation	Phone	Radio Chan
Sector Supervisor	██████████			

4. Air Resource Assignments					
Pilot Name/ Company	Boat	Reg or Call sign	Assignment	Tactical Freq/Chan	Telephone Numbers
██████████	Mataura II	██████████			Onboard: Company:
██████████	Christamarie	██████████			Onboard: Company:
					Onboard: Company:

5. Location of Filling Points/Service Areas	
Name	Grid Reference

6. Safety Notes / Hazards / Radio Coverage Limitations

7. Boat Operations Special Equip or Service

8. Prepared By: ██████████	Date/Time Mon 19 1200
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Safety Plan

RF209

3. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Vessel operating limits at discretion of skipper in enclosed waters

Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Had discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols to be strengthened.

Site now secure with limited access for the public

Plimmerton Boat Club open to members this afternoon.

Poor weather continuing until Sunday evening-Monday morning

DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend

7. Prepared By: Brent Swanson

Date/Time 16 July 1500hrs

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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1. Incident Name Plimmerton Orca Recovery		2. Operational Period Date Time		MEDICAL PLAN RF206					
3. First Aid Station <i>Name</i>		<i>Location</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available at Station</i>			
Plimmerton Medical Centre									
Mana Medical Centre		107 Mana EsplanadeWellingto							
Pacific Health Service Porirua									
4. Transportation <i>Ambulance Service</i>		<i>Address</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available with Ambulance</i>			
St Johns		184 Devonport Rd		111		Yes			
5. Hospitals <i>Hospital Name</i>		<i>Address</i>		<i>Phone</i>		<u><i>Travel Time</i></u> <i>Road</i>		<i>Burn Unit</i>	<i>Heli Pad</i>
Wellington Hospital						45 min		5	Yes
Hutt Hosital									
6. Special Emergency Procedures									
7. Prepared By: [REDACTED]					Date/Time 1500hrs				
8. Reviewed by Safety Advisor:					Date/Time				

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Weather Forecast

Coastal Marine (Metservice)

Forecast

NIWA Forecast

Prepared 11:00 am Sun 18 July

Link to an animation of wind and waves (Sun 18-Thu

: <https://drive.google.com/file/d/19aRI0FSOrSpxgETDjwi6JuClsdAB-BDP/view?usp=sharing>

Rest of Sunday

Rain: Scattered showers developing, some heavy, and a slight chance for a thunderstorm. Rainfall of 5-15 mm except higher amounts possible in any heavy shower or thunderstorm.

Wind: NW winds 10-20 km/h with gusts up to 40-50 km/h, becoming southerly late in the evening.

Swell: NW wave direction with height 2-2.5 m, decreasing to around 1.5 m.

Monday (19 July)

Rain: A few passing showers possible.

Wind: Southerly winds 10-20 km/h with gusts up to 30-40 km/h.

Swell: NW wave direction with height 1-1.5 m.

Tuesday (20 July)

Rain: Dry weather likely.

Wind: Light and variable winds early, becoming northwesterly up to 10 km/h.

Swell: NW wave direction with height 0.5-1.0 m.

Wednesday (21 July)

Rain: A few showers possible.

Wind: Northerly winds 10-20 km/h with gusts up to 30-40 km/h.

Swell: NW wave direction with height 0.5-1.0 m, increasing to 1.5 m during the afternoon.

Thursday (22 July)

Rain: Showers possible.

Wind: NW winds 10-20 km/h with gusts up to 35-45 km/h.

Swell: NW wave direction with height 1.5-2.0 m.

1. Incident Name
Plimmerton Orca
RecoveryRecovery

2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July

Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



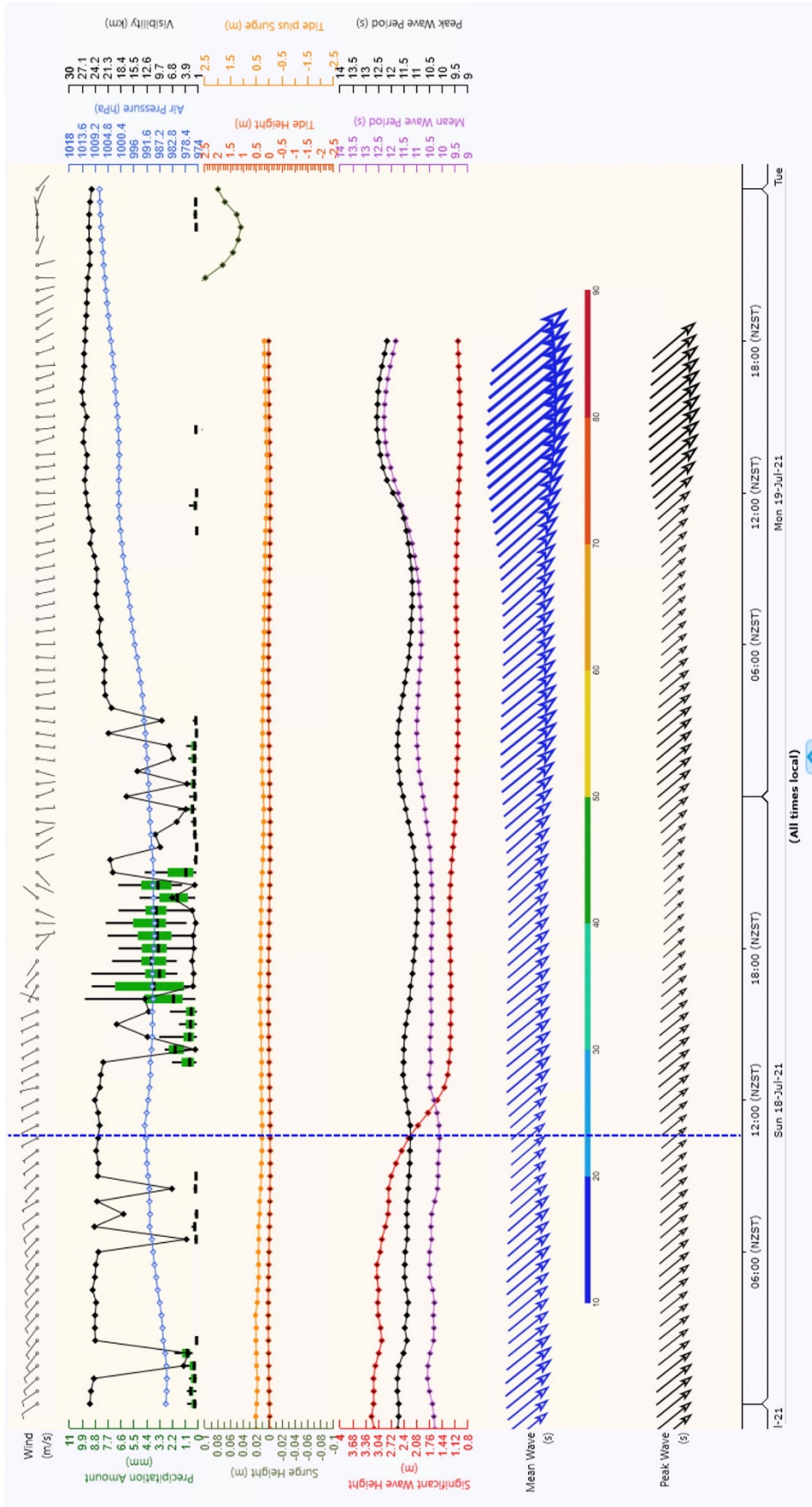
Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
SUN 18 JUL	03:19 1.5m	09:25 0.8m	15:43 1.4m	21:24 0.8m	-
MON 19 JUL	04:29 1.4m	10:29 0.8m	16:55 1.4m	23:00 0.9m	-
TUE 20 JUL	05:52 1.4m	11:52 0.8m	18:31 1.4m	-	-
WED 21 JUL	-	00:51 0.8m	07:09 1.4m	13:23 0.8m	19:51 1.4m
THU 22 JUL	-	02:02 0.8m	08:15 1.5m	14:40 0.8m	20:51 1.5m
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m

1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July

NIWA Forecast 48 hour high resolution model

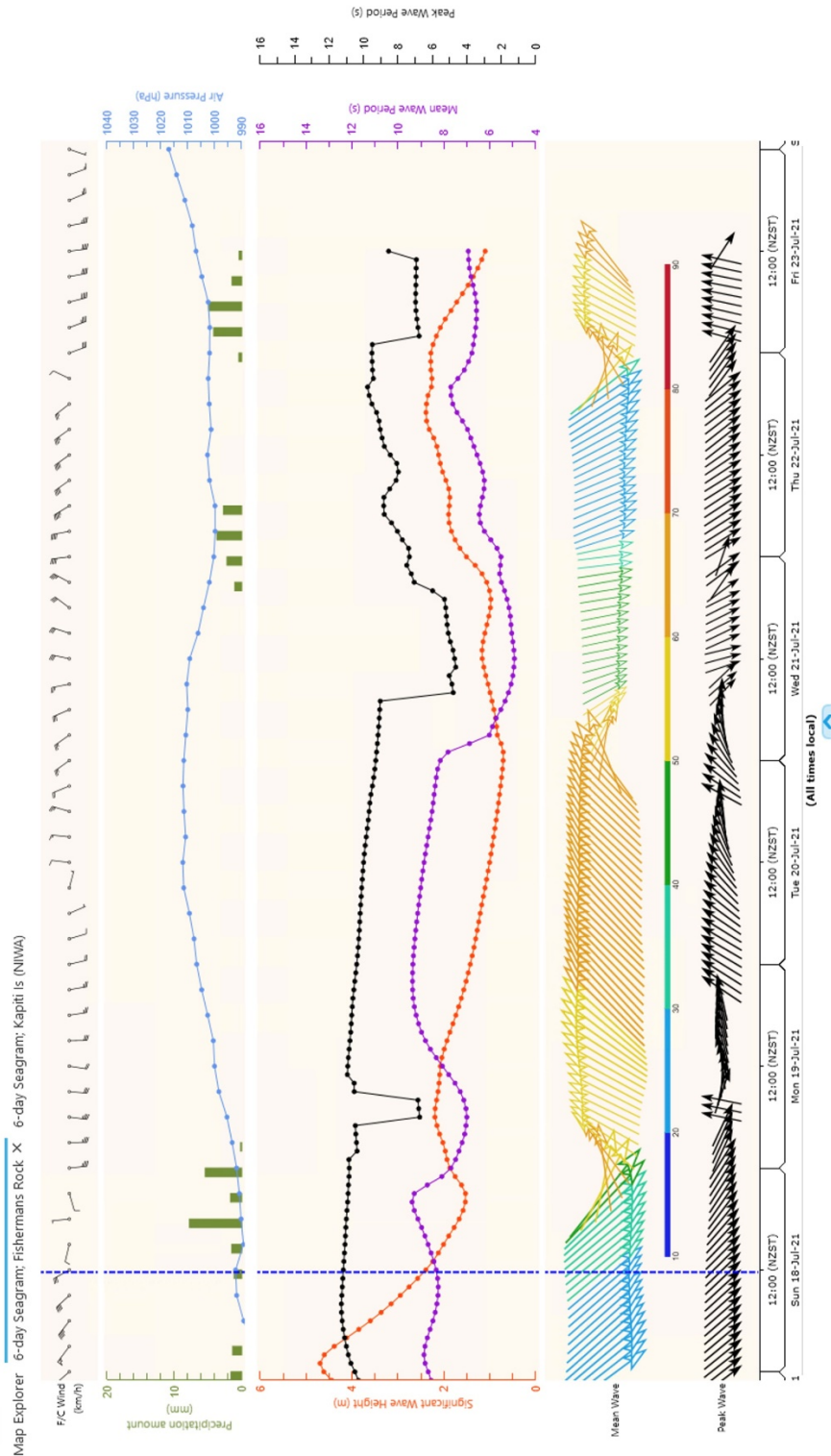


1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July

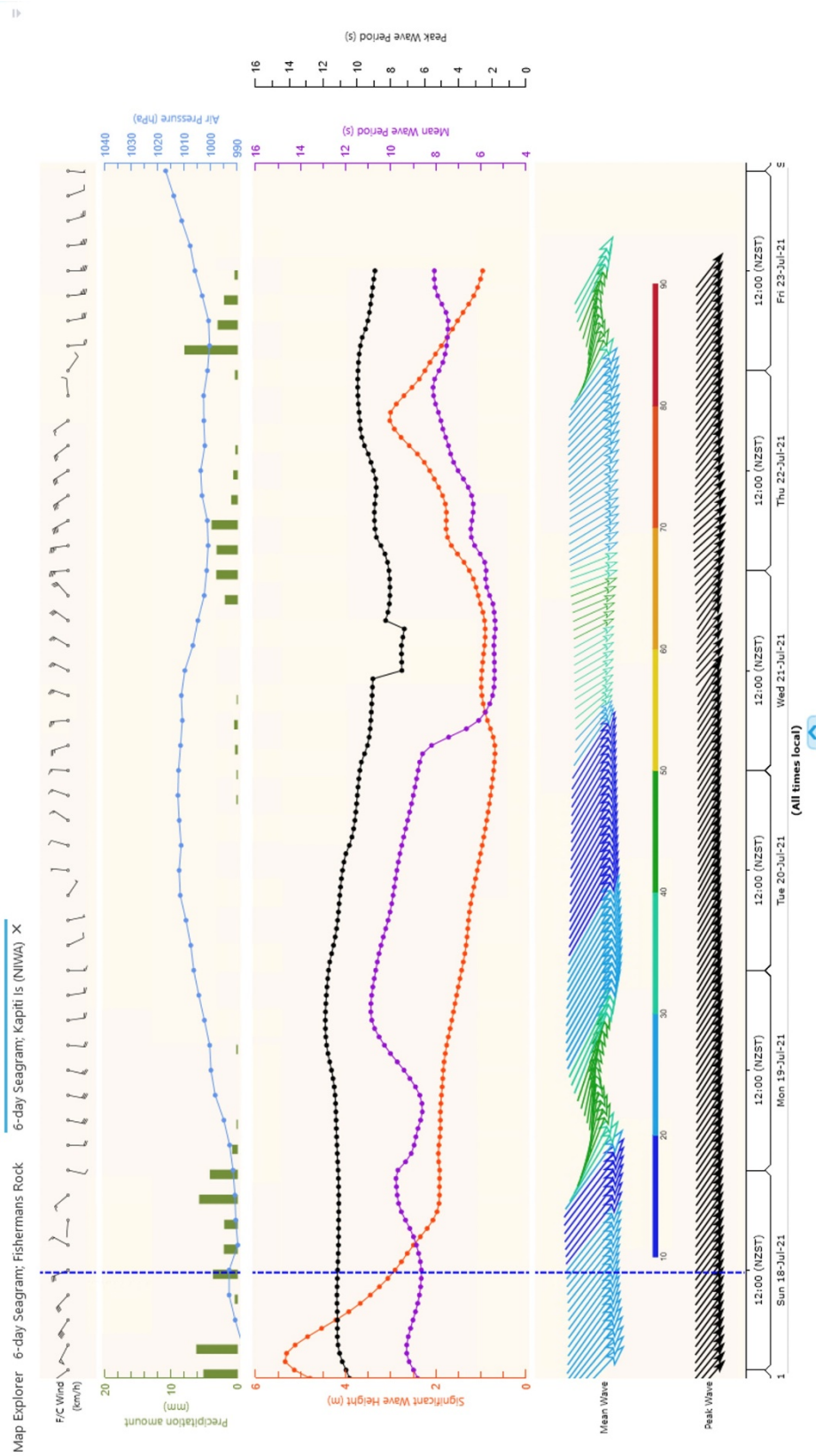
Seagrams

No 6-day seagram for Porirua proper have ones for Kapiti Island off to the north as well as Fishermans Rock, an exposed point out at sea. The Kapiti Island seagram should give you a good idea of the day-to-day variability of the wave patterns but overall is probably a little higher than what you'd expect to experience near Plimmerton. The Fishermans Rock location is exposed, so also somewhat higher than what you'd have at Plimmerton.



1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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General

Safety - Job Safety Assessment to be completed for all tasks.

Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/ For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

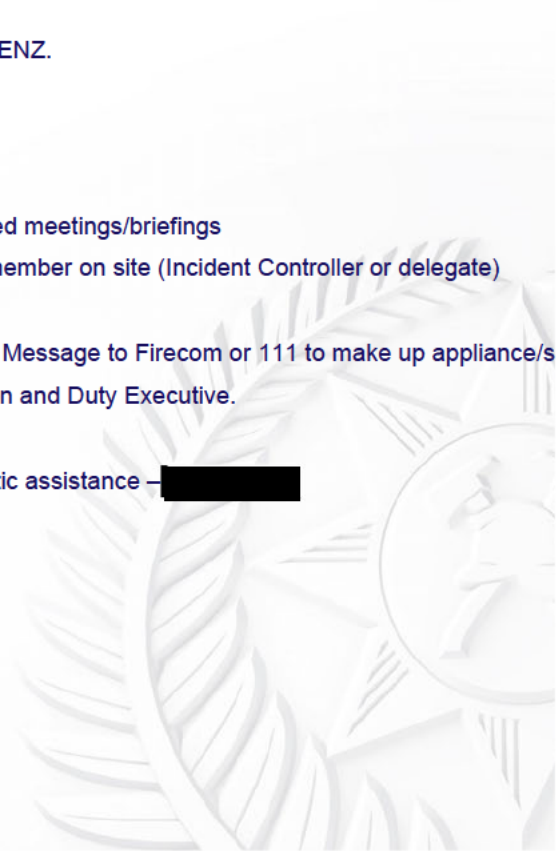
Rosters:

SSO [redacted] can be contacted or Roster and Logistic assistance – [redacted]

Issued 12:00 Saturday 17 July 2021



Carl Mills
Chief Fire Officer



Action Plan Safety Analysis	Operational Period:								Name of Event: Project Orca Calf Mana							
Analysis of Tactical Applications & other Risk Analysis	Location (by Sector/Div)								other Risk Mitigations and Special Instructions:							
	A	B	C	D	E		M									
ENVIROMENT																
1) Weather															Work in good weather forecasting periods, appropriate PPE	
2) Tide															Check Tides/weather	
3) Swell															Job Safety Assessment,	
4)															Job Safety Assessment,	
OPERATIONS																
5) Handling Orca															Health & Safety Plan, Job Safety Assessment,	
6) 24 hours operation															Health & Safety Plan, Job Safety Assessment,	
7) Working at in the water															Health & Safety Plan, Job Safety Assessment,	
TRANSPORT																
8) Helicopters															Health & Safety Plan, Job Safety Assessment, Pilot Briefing	
9) Snorkelling/Diving															Health & Safety Plan, Job Safety Assessment,	
10) Boats															Health & Safety Plan, Job Safety Assessment, Standard Fiordland boat procedures	
11) Hiab's/Trucks															Approved drivers and operators, appropriate PPE	
EQUIPMENT																
12) Generators, pumps heaters, pools															Approved operators guides & Standard Operating Procedures, Health & Safety Plan, Job Safety Assessment,	
HUMAN FACTORS																
13) Tiredness/Fatigue															Supervisors ensure staff and volunteers are fresh and do not have exceeded there own capabilities, Health & Safety Plan, well fed, appropriate PPE	
COMPLIANCE																

IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 4 20 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4

IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7

IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 Rev12

IAP 4 Plimmerton Orca Recovery for 20 July (prep 19 July) 2021 Rev 15

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- BOAT PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND MAP**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Dave Smith		19 July 2021 1600 hr

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, Fire and Rescue NZ and volunteers to save the animal. • the focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • A search involving volunteers on the mainland, fishermen, private aircraft, boats and the DOC boat out looking for the pod, • DOC has contacted specialist veterinarians for managing the calf, which has included administering electrolytes to rehydrate it. • The calf is in the water in a fenced-off area near a jetty, and DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has started with taking blood and some feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • The tactical group is now under DOC’s CIMS structure and will work to the same Health and Safety standards as DOC staff. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • For the orca, a temporary holding pen, will be available if the swell in the current sea pen places the orca at increased risk. • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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<p>5. Action taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios <p>Mon 19 July</p> <ul style="list-style-type: none"> • Sea pen restored and reinforced • Planning for Orca calf to be transported from pool to the sea pen. Decision taken not to do this. • Preparation for transport of orca back to its pod • Transition from FENZ to DOC for managing the pool • Managing requests for equipment • Technical Advisory Group met to discuss outcome scenarios • Minister arrived on site at 2:00 pm • IMT planning transition with new team members • Ban on swimming in the Porirua harbour for 2 days from the Greater Wellington Council <p>Processes have been established for</p> <ul style="list-style-type: none"> • Safely managing the return of Toa to the open sea environment • Safely managing the public and visitors to the Plimmerton Boat Club
<p>6. Factors</p> <p>Public interest is high Iwi interest is very high. An intervention approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case.</p>

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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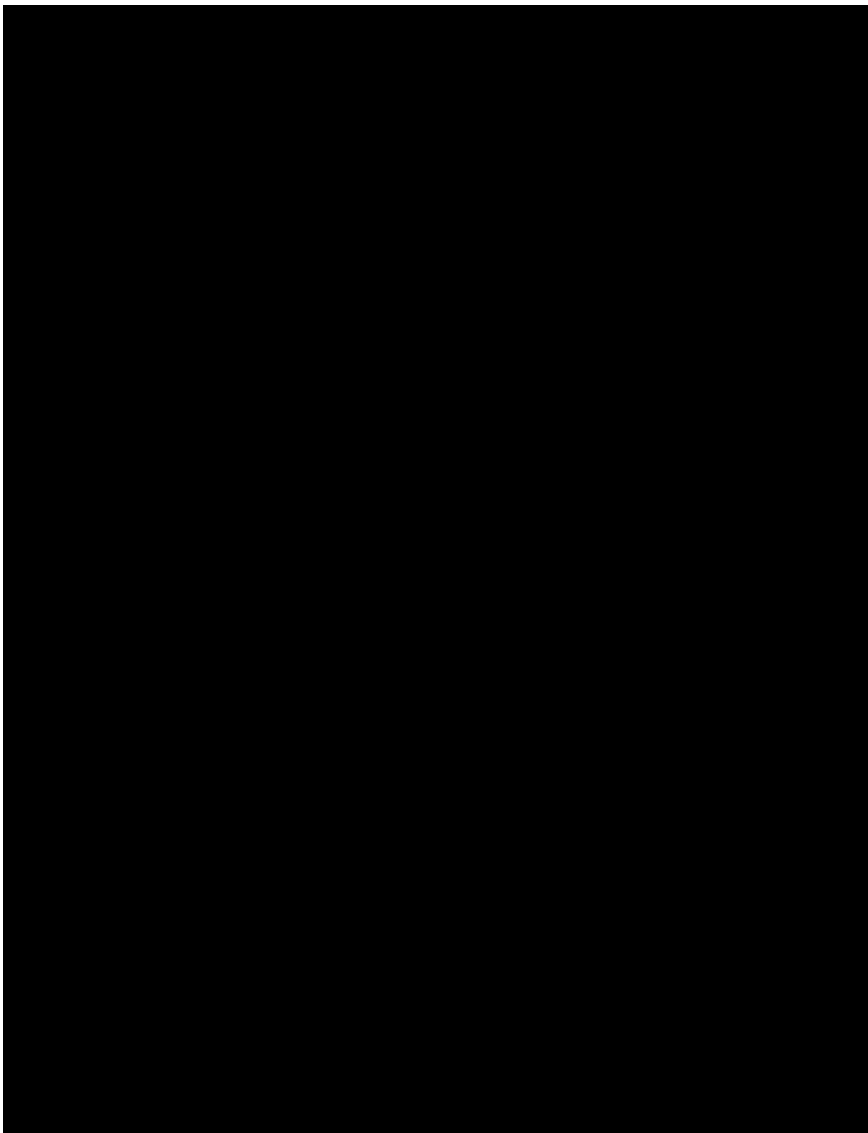
<p>7. Predicted Incident Development</p> <p>What are the likely future outcomes so we can plan for that</p> <p>Scenario</p> <ul style="list-style-type: none"> • See rehabilitation scenarios below Initial approach is to maintain Toa until a local pod with a lactating female is identified, the weather conditions are suitable then relocate and bond Toa to the pod. • Establish two Sectors – <ul style="list-style-type: none"> ○ Direct management of orca in pool or the Sea cage ○ Manage the sightings • In case of death of Toa the Hongoeka Marae will receive and manage him (Contacts [REDACTED] or [REDACTED]) 		
Prepared by: Ian Angus	Date: 16 July	Time: 1600

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Incident Objectives

RF202

<p>4. Objectives for specified Operational Period</p> <p>Purpose: To achieve the best practical outcome for “Toa” the orca calf</p> <p>Objectives:</p> <ol style="list-style-type: none">1. Maintain human life and safety – workers, volunteers and public and order2. Maintain animal welfare3. Prepare long term planning options



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Dave Smith	██████████ 1	
Information Officer	██████████	██████████	
Safety Officer	██████████ Michael McCarthy	██████████	
Liaison Officer	Angus Holme-Moir	██████████	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi ██████████	██████████	
	Back up ██████████	██████████	
	OR ██████████		
Agency	FENZ Richard		
Agency			
Agency			
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	██████████	
Situations Unit	Ian Angus	██████████	
Information Unit			
Advance Planning Unit			
Technical Specialists Unit			
6. Logistics Section		Cell Phone	Radio Ch
Logistics Manager	██████████	██████████	
Supply Unit	██████████	██████████	
Catering Unit			
Facilities Unit			
Finance Unit			
Communications Unit			
Medical Unit			
Ground Support Unit			

RF203

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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7. Operations Section	Cell Phone	Radio Ch
Operations Manager	[REDACTED]	
Deputy Operations Manager	[REDACTED] (DOC) night watch	[REDACTED]
Division One Commander		
Sector A Supervisor	Ingrid Visser	
Sector B Supervisor	[REDACTED]	[REDACTED]
Sector C Supervisor	[REDACTED]	[REDACTED]
Sector D Supervisor		

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Sector Assignment

RF204

3. Sector A	4. Description Manage animal welfare			5. Division Assigned	
6. Sector Supervisor	Ingrid Visser				
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>
Management of the pen area	Ingrid Visser				
Management of Volunteers	[REDACTED]				
Mike Ogle Boat Operations (to be set up)					
8. Sector Assignment / Special Instructions Key Task Provide animal welfare to Toa <ul style="list-style-type: none"> • Management of the pen area • Volunteer coordination – See end of document for Volunteer Protocols • Aircraft on standby • Boats on standby for possible Orca transportation 					
Prepared by: [REDACTED]		Date: 16 July	Time: 1600		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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Sector Assignment

RF204

3. Sector B	4. Description Manage sightings			5. Division Assigned	
6. Sector Supervisor	[REDACTED] (DOC)				
7. Resources Assigned this period					
8. Sector Assignment / Special Instructions					
Manage the sightings from the public (See below for call receiving protocols)					
Prepared by: [REDACTED]			Date: 16 July	Time: 1600	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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Sector Assignment

RF204

3. Sector c	4. Description Boat Manager		5. Division Assigned		
6. Sector Supervisor	[REDACTED] DOC)	[REDACTED]			
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/ time</i>
8. Sector Assignment / Special Instructions					
Manage the boats sector (see Boat Plan below)					
<p>Due to Significant rainfall in the Wellington area and the waste water overflows that have spilled over into the local waterways that they are issuing a 2 day no swim ban and that the team dealing with the orcas in the bay or anyone who works in, on or near water to take the necessary safety precautions they can to avoid any potential health & safety hazards. Any questions feel free to call [REDACTED] on [REDACTED]</p>					
Prepared by: [REDACTED]	Date: 16 July	Time: 1600			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: [REDACTED]			Date/Time 19 July 1000 hrs	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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1. Incident Name	2. Operational Period Date Time	BOAT OPERATIONS PLAN
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3. Personnel and Communications				
Position	Name	Affiliation	Phone	Radio Chan
Sector Supervisor	[REDACTED]	DOC	[REDACTED]	

4. Air Resource Assignments					
Pilot Name/ Company	Boat	Reg or Call sign	Assignment	Tactical Freq/Chan	Telephone Numbers
[REDACTED]	Mataura II	[REDACTED]			Onboard: Company:
[REDACTED]	Krista marie	[REDACTED]			Onboard: Company:

5. Location of Filling Points/Service Areas	
Name	Grid Reference

6. Safety Notes / Hazards / Radio Coverage Limitations

Due to Significant rainfall in the Wellington area and the waste water overflows that have spilled over into the local waterways that they are issuing a 2 day no swim ban and that the team dealing with the orcas in the bay or anyone who works in, on or near water to take the necessary safety precautions they can to avoid any potential health & safety hazards. Any questions feel free to call [REDACTED] on [REDACTED]

7. Boat Operations Special Equip or Service

Operating staff pn boats

MV Mataaaura –
 Skipper x1
 Crew x1
 Natural Heritage x2
 Ngata toa x1

MV Krista Marie
 Skipper x1
 Crew x2
 Orca Society x4 Ingrid Visser, [REDACTED]
 SPA x1
 Safety x1
 Ngati Toa x1

8. Prepared By: [REDACTED]	Date/Time Mon 19 1200
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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Safety Plan

RF209

3. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Vessel operating limits at discretion of skipper in enclosed waters

Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Had discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols to be strengthened.

Site now secure with limited access for the public

Plimmerton Boat Club open to members this afternoon.

Poor weather continuing until Sunday evening-Monday morning

DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend

Due to Significant rainfall in the Wellington area and the waste water overflows that have spilled over into the local waterways that they are issuing a 2 day no swim ban and that the team dealing with the orcas in the bay or anyone who works in, on or near water to take the necessary safety precautions they can to avoid any potential health & safety hazards. Any questions feel free to call [REDACTED] on [REDACTED]

7. Prepared By: [REDACTED]	Date/Time 16 July 1500hrs
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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1. Incident Name Plimmerton Orca Recovery		2. Operational Period Date Time		MEDICAL PLAN RF206					
3. First Aid Station <i>Name</i>		<i>Location</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available at Station</i>			
Plimmerton Medical Centre									
Mana Medical Centre		107 Mana EsplanadeWellingto							
Pacific Health Service Porirua									
4. Transportation <i>Ambulance Service</i>		<i>Address</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available with Ambulance</i>			
St Johns		184 Devonport Rd		111		Yes			
5. Hospitals <i>Hospital Name</i>		<i>Address</i>		<i>Phone</i>		<u><i>Travel Time</i></u> <i>Road</i>		<i>Burn Unit</i>	<i>Heli Pad</i>
Wellington Hospital						45 min		5	Yes
Hutt Hosital									
6. Special Emergency Procedures									
7. Prepared By: [REDACTED]					Date/Time 1500hrs				
8. Reviewed by Safety Advisor:					Date/Time				

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Weather Forecast

Coastal Marine (Metservice)

Forecast

NIWA Forecast

Prepared 2:00 pm Mon 19 July 2021

Link to an animation of wind and waves (Sun 18-Thu

: <https://drive.google.com/file/d/19aRI0FSOrSpxgETDjwi6JuClsdAB-BDP/view?usp=sharing>

Rest of Monday

Rain: Dry conditions.

Wind: South-southwesterly winds 15-20 km/h with gusts up to 40 km/h.

Swell: NW wave direction with height around 1.5 m.

Tuesday

Rain: Dry conditions.

Wind: Light and variable southerly winds early, becoming northerly up to 10 km/h.

Swell: NW wave direction with height around 1.0 m.

Wednesday

Rain: Showers developing, mainly later in the day.

Wind: Northerly winds increasing from 10-15 to 15-20 km/h with gusts up to 40-45 km/h by evening. Gusts as high as 45-55 km/h possible for a time overnight.

Swell: NW wave direction with height 1.0 m during the morning, increasing to 1.5 m during the afternoon, then increasing to 2.0 m overnight.

Thursday

Rain: Scattered showers.

Wind: NW winds 15-25 km/h with gusts up to 35-45 km/h becoming southerly during the afternoon 10-20 km/h.

Swell: NW wave direction with height 1.5-2.0 m.

Friday

Rain: Dry conditions likely.

Wind: Light southerly winds up to 10 km/h.

Swell: NW wave direction with height around 1.0 m.

Saturday

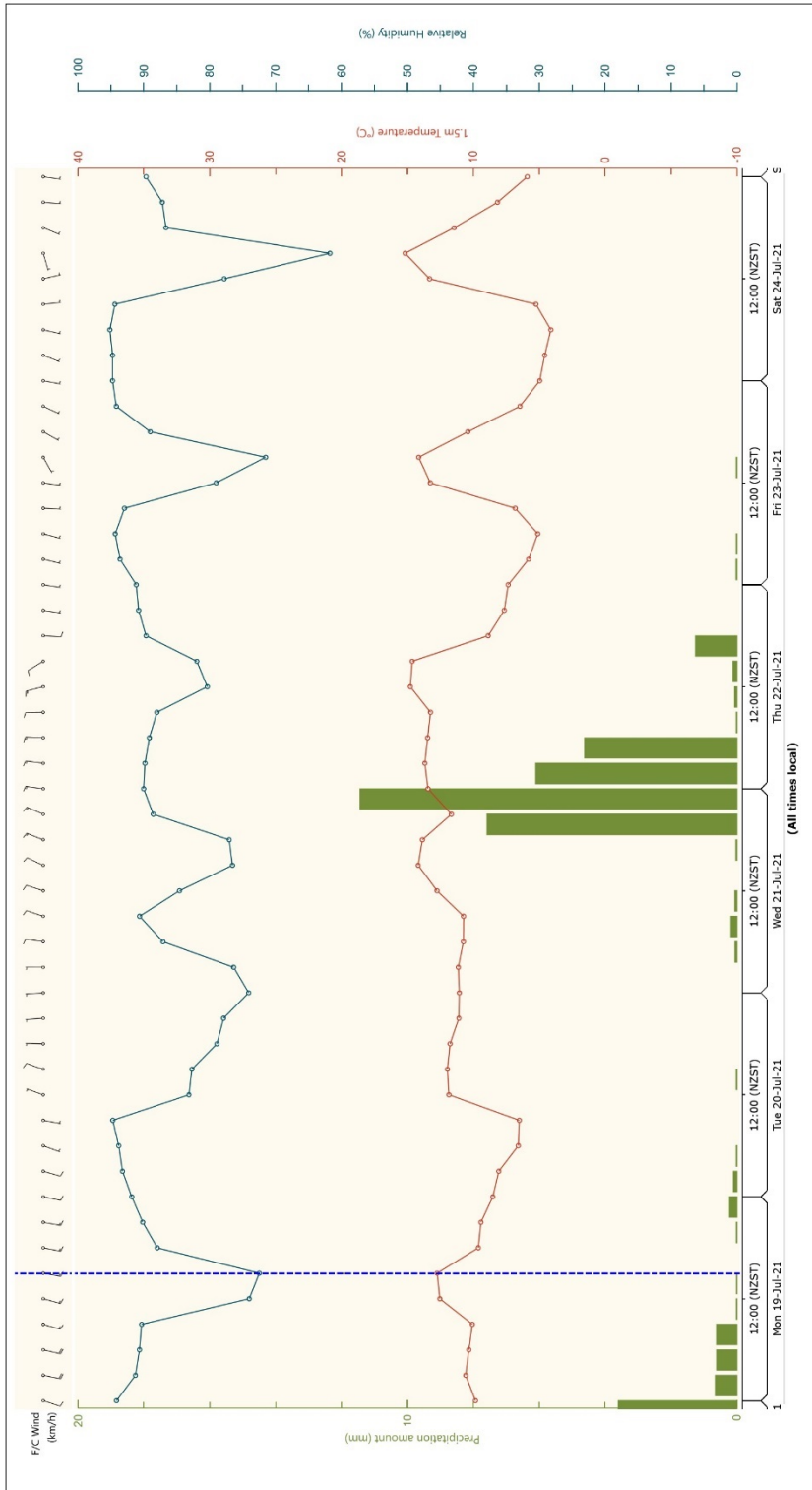
Rain: Dry conditions likely.

Wind: Light easterly winds up to 10 km/h.

Swell: NW wave direction with height 0.5 m.

1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 Tue 20 July



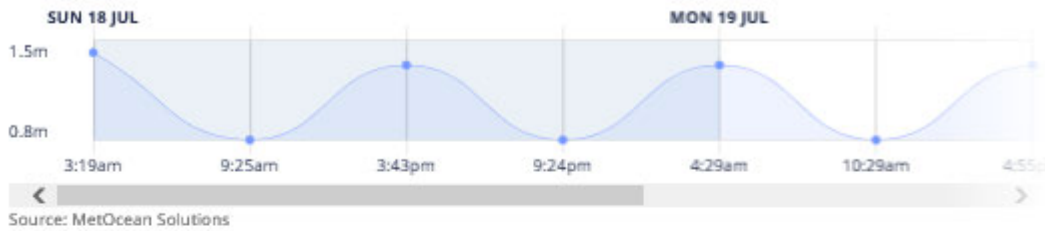
Porirua, Elsdon Park Aws: 6-day forecast weather
 (Printed 19-Jul-2021 14:58)

1. Incident Name
Plimmerton Orca
RecoveryRecovery

2. Operational Period – 0800 Tue 20 July

Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



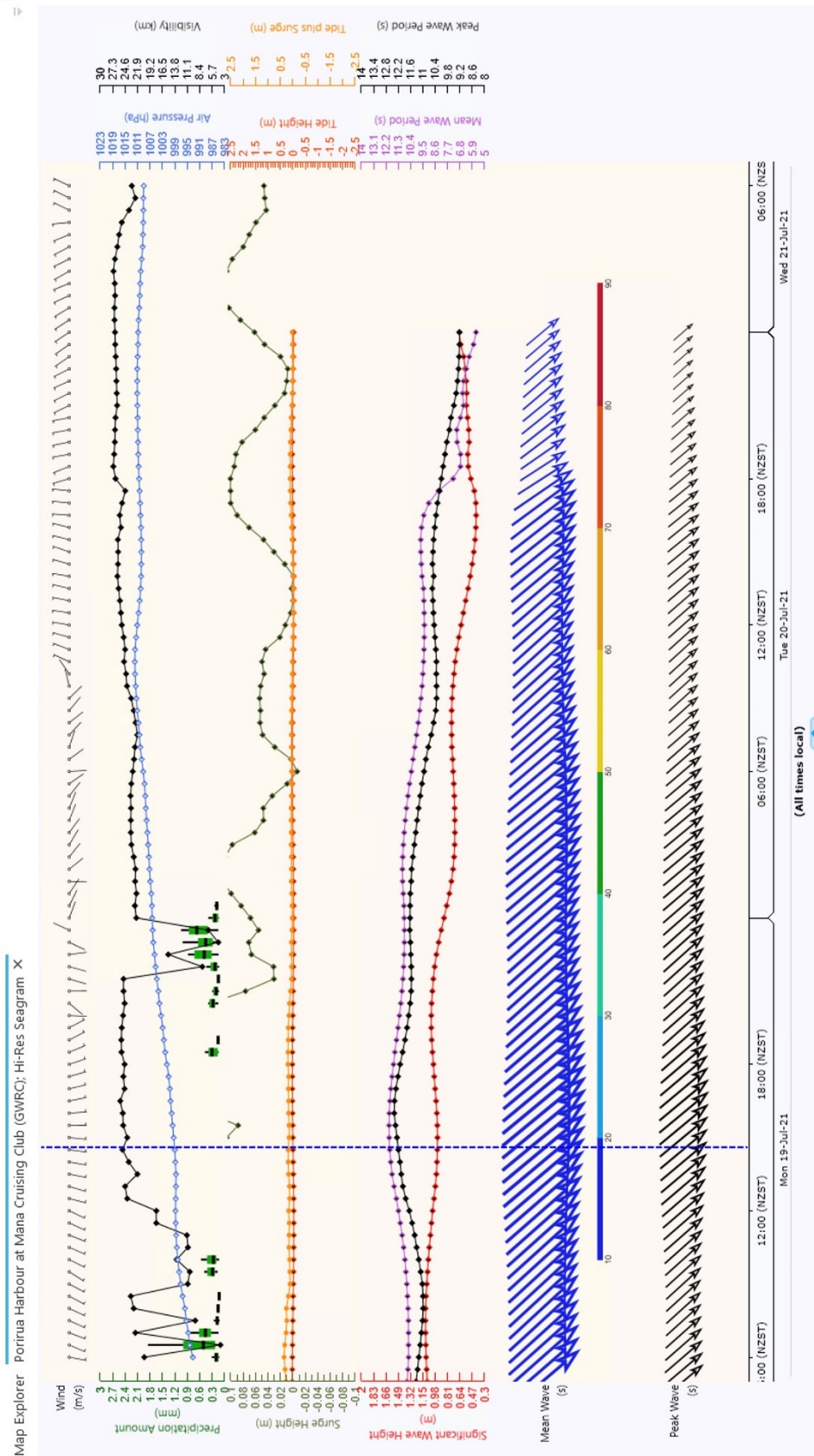
Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
SUN 18 JUL	03:19 1.5m	09:25 0.8m	15:43 1.4m	21:24 0.8m	-
MON 19 JUL	04:29 1.4m	10:29 0.8m	16:55 1.4m	23:00 0.9m	-
TUE 20 JUL	05:52 1.4m	11:52 0.8m	18:31 1.4m	-	-
WED 21 JUL	-	00:51 0.8m	07:09 1.4m	13:23 0.8m	19:51 1.4m
THU 22 JUL	-	02:02 0.8m	08:15 1.5m	14:40 0.8m	20:51 1.5m
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m

1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 Tue 20 July

NIWA Forecast 48 hour high resolution model

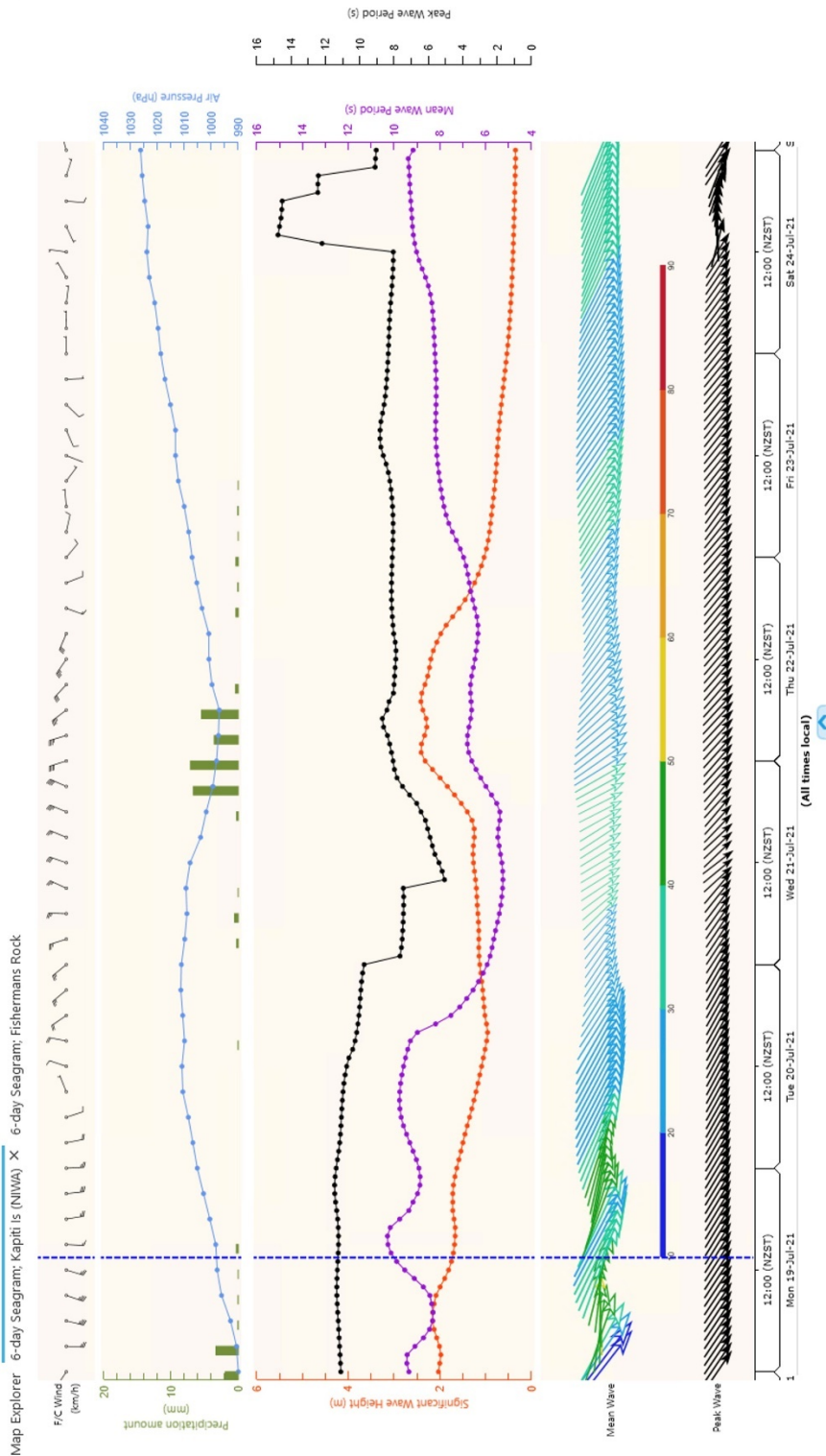


1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 Tue 20 July

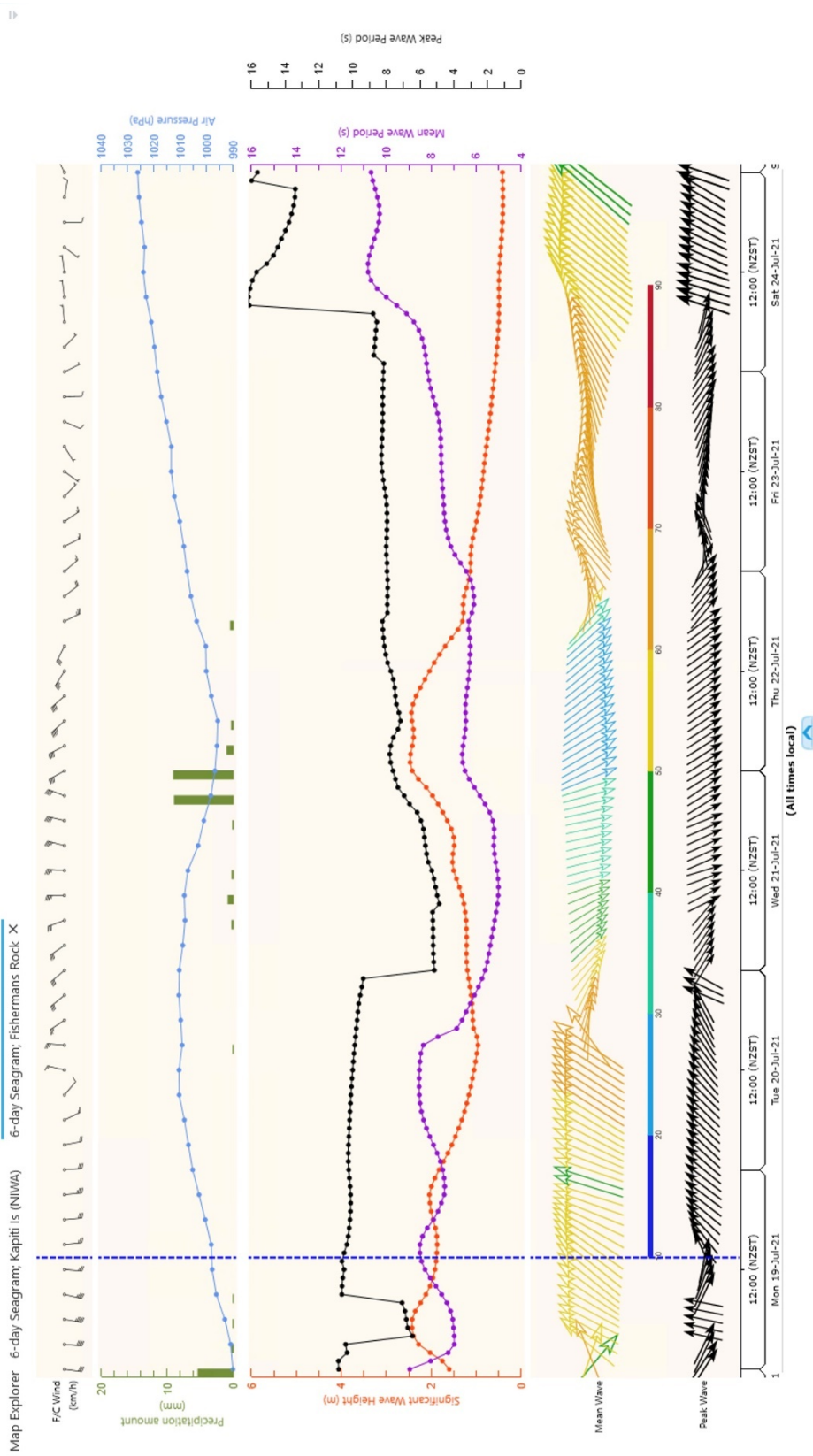
Seagrams

No 6-day seagram for Porirua proper have ones for Kapiti Island off to the north as well as Fishermans Rock, an exposed point out at sea. The Kapiti Island seagram should give you a good idea of the day-to-day variability of the wave patterns but overall is probably a little higher than what you'd expect to experience near Plimmerton. The Fishermans Rock location is exposed, so also somewhat higher than what you'd have at Plimmerton.



1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 Tue 20 July



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Tue 20 July
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General

Safety - Job Safety Assessment to be completed for all tasks.

Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/s
 For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

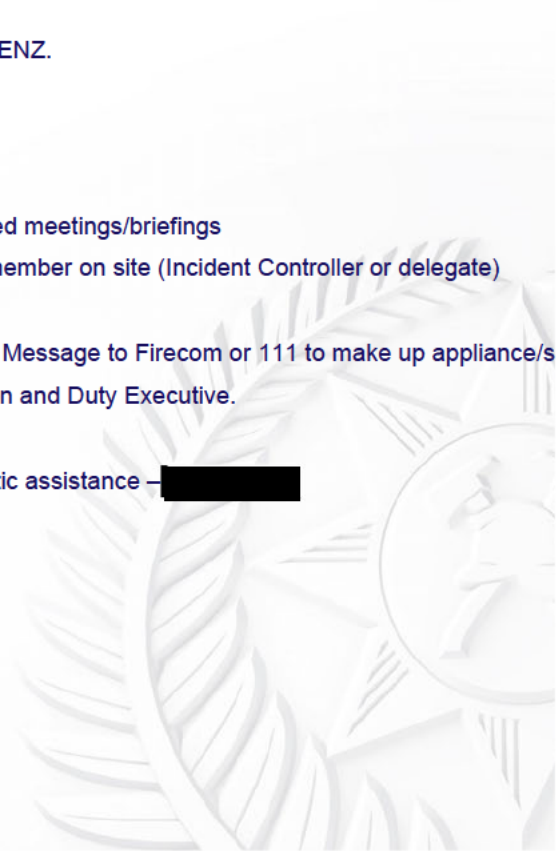
Rosters:

SSC [redacted] can be contacted or Roster and Logistic assistance – [redacted]

Issued 12:00 Saturday 17 July 2021



Carl Mills
 Chief Fire Officer



IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 5 20 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4
IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7
IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 Rev12
IAP 4 Plimmerton Orca Recovery for 20 July (prep 19 July) 2021 Rev 15
IAP 5 Plimmerton Orca Recovery for 21 July (prep 20 July) 2021 Rev 17

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- BOAT PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND SEAGRAMS**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Dave Smith		20 July 2021 1600 hr

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, World Wildlife Fund ,Fire and Rescue NZ and volunteers to save the animal. • The focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • A search involving volunteers on the mainland, fishermen, private aircraft, boats and the DOC boat out looking for the pod, • DOC has contacted specialist veterinarians for managing the calf, which has included administering electrolytes to rehydrate it. • The calf was relocated from a sea pen into a Para pool on Friday 16 July due to forecast storm events • DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has occurred with taking blood and feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • The tactical group is now under DOC’s CIMS structure and will work to the same Health and Safety standards as DOC staff. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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<p>5. Actions taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf • Removed orca calf from the sea pen into the Para pool and established water refresh system supported by FENZ <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios • Major storm event across NZ. Plimmerton harbour filled with storm run off <p>Mon 19 July</p> <ul style="list-style-type: none"> • Sea pen restored and reinforced • Planning for Orca calf to be transported from pool to the sea pen. Decision taken not to do this. • Preparation for transport of orca back to its pod • Transition from FENZ to DOC for managing the pool water supply • Managing requests for equipment • Technical Advisory Group met to discuss outcome scenarios • Minister arrived on site at 2:00 pm • IMT planning transition with new team members • Ban on swimming in the Porirua harbour for 2 days from the Greater Wellington Council <p>Tue 20 July</p> <ul style="list-style-type: none"> • Orca calf stable (did have some colic overnight) • Decision to NOT relocate orca calf to sea pen on site due to concerns of water quality (from the recent wastewater) plus weather forecast that’s due to deteriorate for Wed pm and Thu all day) • Decision made to only reunify the calf with its natal pod. • Kapiti aero club and Lady Elizabeth followed up sightings off the South Coast of Wellington, pod not found. • More detailed planning for any transportation options, both land and sea <p>Processes have been established for</p> <ul style="list-style-type: none"> • Safely managing the return of Toa to the open sea environment • Safely managing the public and visitors to the Plimmerton Boat Club
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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6. Factors
Public interest is high
Iwi interest is very high.
An intervention approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case.

7. Predicted Incident Development

What are the likely future outcomes so we can plan for that

Scenario

- Initial approach is to maintain orca calf until its natal pod can be identified and the weather conditions are suitable to reunite orca calf to the pod.
- Establish three Sectors –
 - Direct management of orca in pool or the Sea cage
 - Manage the sightings
 - Prepare vehicles, boats and staff for deployment
- In case of death of the orca calf, the Hongoeka Marae will receive and manage him (Contacts [REDACTED] or [REDACTED])

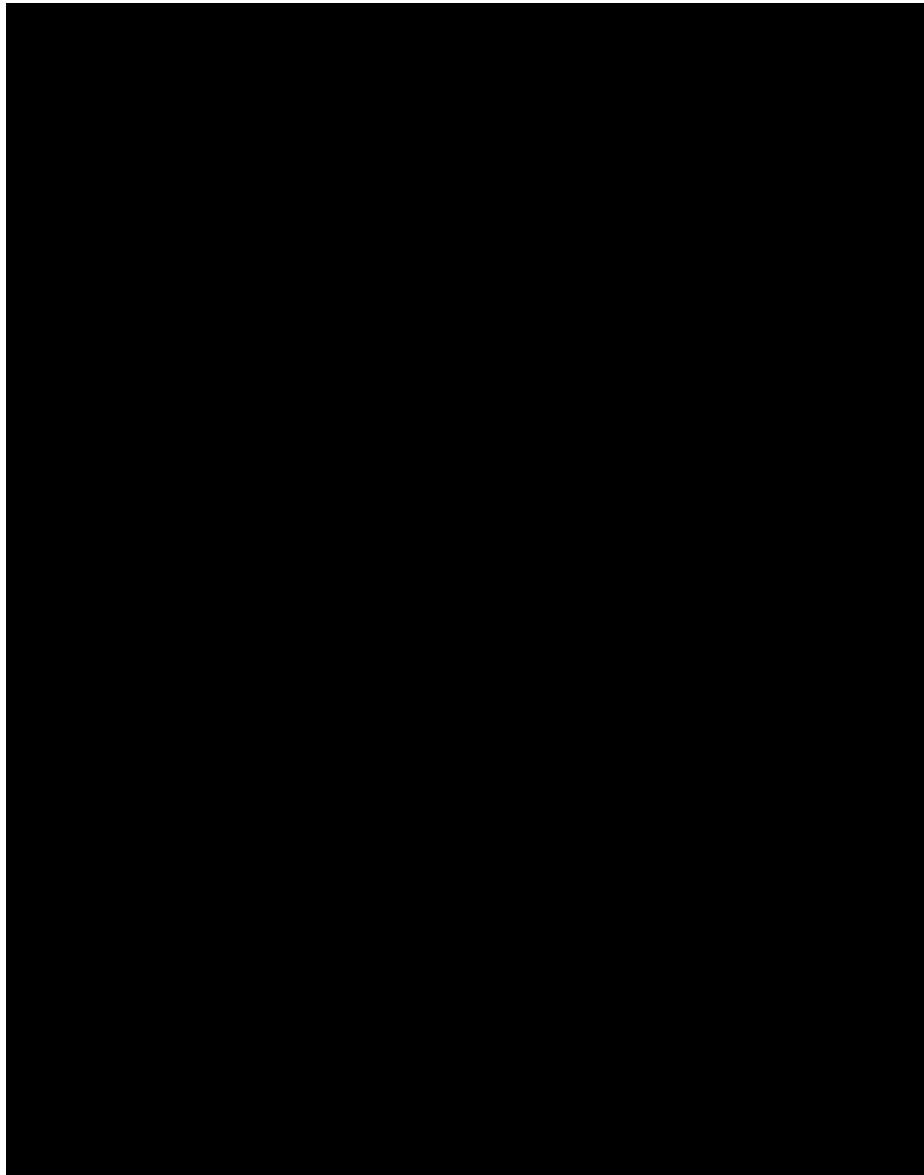
Prepared by: Ian Angus	Date: 20 July	Time: 1600
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Incident Objectives

RF202

<p>4. Objectives for specified Operational Period</p> <p>Purpose: To achieve the best practical outcome for “Toa” the orca calf</p> <p>Objectives:</p> <ol style="list-style-type: none">1. Maintain human lifeand safety – workers, volunteers and public.and order2. Maintain animal welfare3. Prepare long term planning options
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Dave Smith	[REDACTED]	
Shadow IC	Kirsty Prior -	[REDACTED]	
Information Officer	[REDACTED]	[REDACTED]	
Safety Officer	[REDACTED]	[REDACTED]	
	Michael McCarthy (Support)	[REDACTED]	
	[REDACTED]	[REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED]	[REDACTED]	
	Back up [REDACTED]	[REDACTED]	
	[REDACTED] McGill I		
Agency	FENZ [REDACTED] / [REDACTED]	[REDACTED]	
	[REDACTED]	[REDACTED]	
Agency	WWF [REDACTED]	[REDACTED]	
Agency	Orca Research Trust	0800SEEORCA	
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	[REDACTED]	
Situations Unit	Ian Angus	[REDACTED]	
Information Unit			
Advance Planning Unit			
Technical Specialists Unit			
6. Logistics Section		Cell Phone	Radio Ch
Logistics Manager	[REDACTED]	[REDACTED]	
Supply Unit	Mike Sparrow	[REDACTED]	
Facilities Unit	[REDACTED]	[REDACTED]	
Plimmerton Boating Club	[REDACTED]		

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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7. Operations Section		Cell Phone	Radio Ch
Operations Manager	[REDACTED]	[REDACTED]	
Deputy Operations Manager	[REDACTED] (DOC) night watch	[REDACTED]	
Pump Staff (day)	[REDACTED] [REDACTED]	[REDACTED] [REDACTED]	
Pump staff (night)	[REDACTED] [REDACTED]	[REDACTED] [REDACTED]	
Sector A Supervisor	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	[REDACTED]	[REDACTED]	
Sector C Supervisor	[REDACTED]	[REDACTED]	
Prepared by: [REDACTED]	Date: 20 July	Time: 1400	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Sector Assignment



RF204

3. Sector A	4. Description Manage animal welfare		5. Division Assigned		
6. Sector Supervisor	Ingrid Visser 0800SEERCA				
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>
Management of the pen area	Ingrid Visser				
Management of Volunteers	[REDACTED]				
8. Sector Assignment / Special Instructions					
Key Task Provide animal welfare to Toa <ul style="list-style-type: none"> • Management of the pen area • Volunteer coordination – See end of document for Volunteer Protocols • Aircraft on standby • Boats on standby for possible Orca transportation 					
Prepared by: [REDACTED]		Date: 20 July		Time: 1600	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Sector Assignment

RF204

3. Sector B	4. Description Manage sightings			5. Division Assigned	
6. Sector Supervisor					
7. Resources Assigned this period					
8. Sector Assignment / Special Instructions					
Manage the sightings from the public (See below for call receiving protocols)					
Prepared by: 			Date: 120 July	Time: 1600	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Sector Assignment

RF204

3. Sector c	4. Description Boat Manager			5. Division Assigned																			
6. Sector Supervisor																							
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>												
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>																		
8. Sector Assignment / Special Instructions Manage the boats sector (see Boat Plan below)																							
Prepared by: 	Date: 20 July	Time: 1600																					

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: ██████████			Date/Time 20 July 1600 hrs	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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1. Incident Name		2. Operational Period Date 21 July Time 0800-1800		BOAT OPERATIONS PLAN	
3. Personnel and Communications					
Position		Name		Affiliation	Radio Chan
Sector Supervisor		[REDACTED]		DOC	[REDACTED]
4. Air Resource Assignments					
Pilot Name/ Company		Boat	Reg or Call sign	Assignment	Telephone Numbers
[REDACTED]		Mataara II	[REDACTED]		Onboard: Company:
[REDACTED]		Krista marie	[REDACTED]		Onboard: Company:
5. Location of Filling Points/Service Areas					
Name			Grid Reference		
6. Safety Notes / Hazards / Radio Coverage Limitations					
<p>Due to Significant rainfall in the Wellington area and the waste water overflows that have spilled over into the local waterways that they are issuing a 2 day no swim ban and that the team dealing with the orcas in the bay or anyone who works in, on or near water to take the necessary safety precautions they can to avoid any potential health & safety hazards. Any questions feel free to call [REDACTED] on [REDACTED]</p>					
7. Boat Operations Special Equip or Service					
Possible operating staff on boats					
MV Mataara –					
Skipper x1 & Crew x1					
Natural Heritage x2					
Ngata toa x1					
MV Krista Marie					
Skipper x1 & Crew x2					
Orca Society x4 Ingrid Visser, plus 1, [REDACTED]					
SPA x1					
Safety x1					
Ngati Toa x1					
Police Launch “Lady Elizabeth”					
The unit provides 24-hour coverage to the public, Has a crew of 4 and can take 8 passanges					
Contact details [REDACTED]					
8. Prepared By: [REDACTED]				Date/Time Mon 20 July 1200	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Safety Plan

RF209

3. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Vessel operating limits at discretion of skipper in enclosed waters

Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Actions undertaken

- Had discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols to be strengthened.
- Site now secure with limited access for the public
- Plimmerton Boat Club open to members this afternoon.
- Poor weather continuing until Sunday evening-Monday morning
- DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend
- Due to significant rainfall in the Wellington area and the waste water overflows that have spilled over into the local waterways that they are issuing a swing advisory. The team dealing with the orcas in the bay or anyone who works in, on or near water to take the necessary safety precautions they can to avoid any potential health & safety hazards. Any questions feel free to call [REDACTED] on [REDACTED]
- Concerns raised today that volunteers are not following H&S protocols. Fatigue is a real concern and rest times are not being tracked or followed after 9 days. This is the second time in 24hrs this has been raised.
- There is no SPA at the poolside or team leads for each organisation. This is making addressing any concerns or protocols difficult.
- No current DOC JSA or safety briefing at the ICP. No site induction for site safety or tracking what DOC staff are where.
- The site has multiple hazards that need attention. Old fencing that has been pulled out of the water after a storm damaged it, trip hazards, general site management etc.
- It is difficult to ascertain what the incident reporting mechanism is. Is it the DOC system or is there another? This needs to be established and made clear.
- Managing staff working hours needs to be well thought out. Having teams work 23 hours straight is not sustainable and is a health and safety concern.

7. Prepared By: [REDACTED]	Date/Time 20 July 1500hrs
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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1. Incident Name Plimmerton Orca Recovery		2. Operational Period Date Time		MEDICAL PLAN RF206					
3. First Aid Station <i>Name</i>		<i>Location</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available at Station</i>			
Plimmerton Medical Centre		10 Steyne Avenue, Plimmerton, Porirua 5026		(04) 233 8015					
Mana Medical Centre		107 Mana Esplanade Wellington		04-233 8019					
Pacific Health Service Porirua		Cannons Creek		04-237 9824					
4. Transportation <i>Ambulance Service</i>		<i>Address</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available with Ambulance</i>			
St Johns				111		Yes			
5. Hospitals <i>Hospital Name</i>		<i>Address</i>		<i>Phone</i>		<i>Travel Time</i>		<i>Burn Unit</i>	<i>Heli Pad</i>
						<i>Road</i> <i>Air</i>			
Wellington Hospital		49 Riddiford Street, Newtown, Wellington 6021		04-385 5999		30 min 15			Yes
Hutt Hosital		638 High Street, Boulcott, Lower Hutt 5010		04-566 6999		33 min 15			
6. Special Emergency Procedures									
7. Prepared By: [REDACTED]					Date/Time 20 July 1500hrs				
8. Reviewed by Safety Advisor: [REDACTED]					Date/Time				

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Weather Forecast

Coastal Marine (Metservice)

NIWA Forecast for Plimmerton Prepared 0800 pm Tue 20 July 2021

Tuesday

Rain: Dry conditions.

Wind: Light and variable winds during the morning, becoming northerly up to 10 km/h with gusts to 25 km/h during the afternoon.

Swell: NW wave direction with height around 1.0 m.

Wednesday

Rain: A few morning showers possible, followed by dry midday hours, then rain arriving later in the afternoon and continuing overnight. Up to 10 mm possible in total.

Wind: Northerly winds 10-15 km/h with gusts to 35 km/h during the morning increasing to 15-20 km/h with gusts up to 40-45 km/h during the afternoon and evening. Gusts as high as 50-60 km/h possible overnight.

Swell: NW wave direction with height 1.0 m during the morning, increasing to 1.5 m during the afternoon/evening, then increasing to 2.0 m overnight.

Thursday

Rain: Scattered showers.

Wind: NW winds 15-25 km/h during the morning becoming southerly during the afternoon 10-20 km/h with gusts up to 35-45 km/h.

Swell: NW wave direction with height 2.0 m during the morning, decreasing to 1.5 m during the afternoon.

Friday

Rain: Dry conditions likely.

Wind: Light southerly winds 10-15 km/h.

Swell: NW wave direction with height around 1.0 m.

Saturday

Rain: Dry conditions likely.

Wind: Light easterly winds up to 10 km/h.

Swell: NW wave direction with height 0.5 m.

Sunday

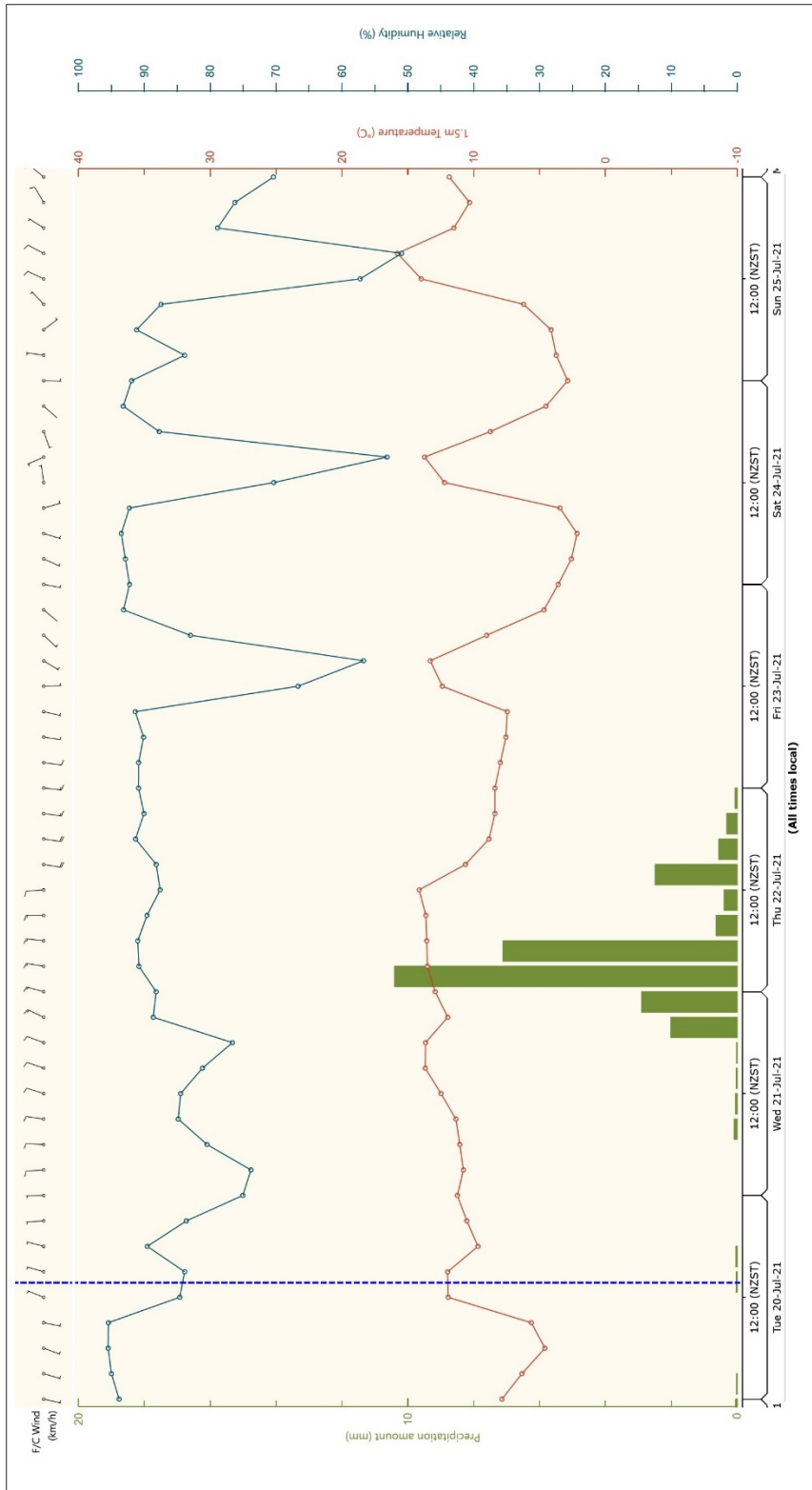
Rain: Dry conditions possible.

Wind: NE winds 10-20 km/h gusting to 30 km/h.

Swell: NW wave direction with height 0.5 m.

1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 - 1800 Wed 21 July



Porirua, Elsdon Park Aws; 6-day forecast weather
 (Printed 20-Jul-2021 13:43)

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



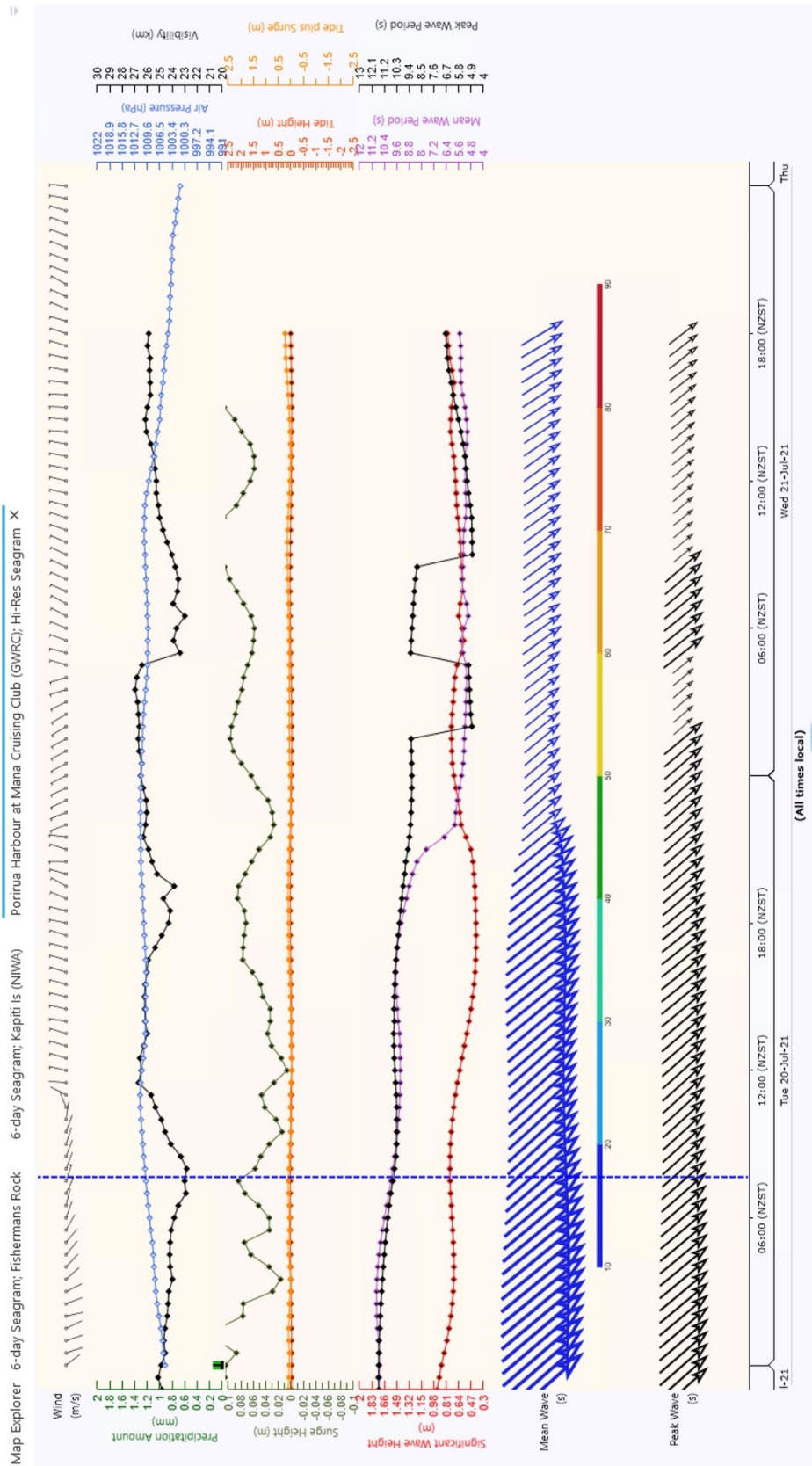
Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
TUE 20 JUL	05:52 1.4m	11:52 0.8m	18:31 1.4m	-	-
WED 21 JUL	-	00:51 0.8m	07:09 1.4m	13:23 0.8m	19:51 1.4m
THU 22 JUL	-	02:02 0.8m	08:15 1.5m	14:40 0.8m	20:51 1.5m
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m
SUN 25 JUL	-	04:23 0.6m	10:51 1.6m	17:06 0.6m	23:01 1.8m

1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Wed 21 July

NIWA Forecast 48 hour high resolution model

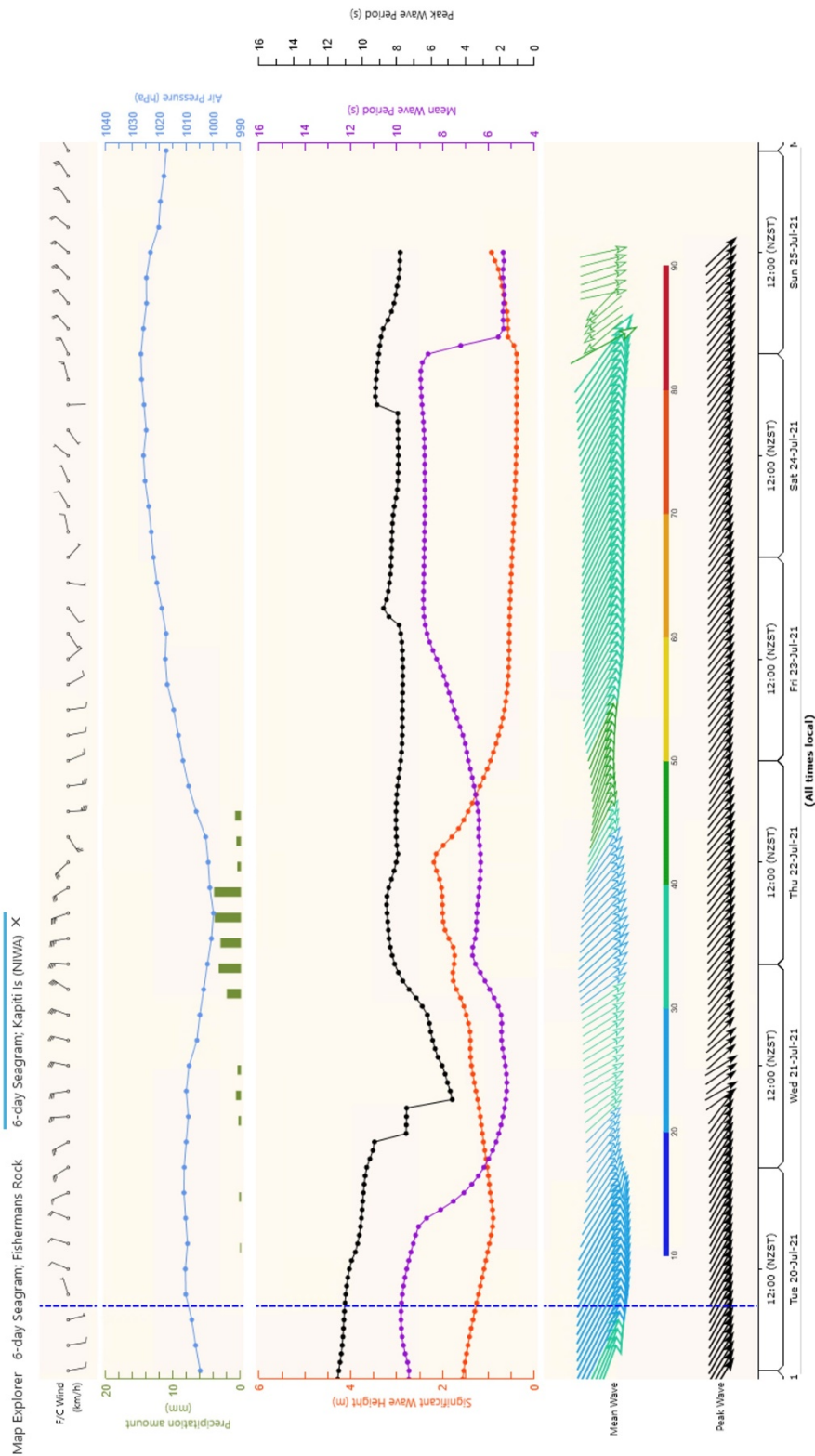


1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 - 1800 Wed 21 July

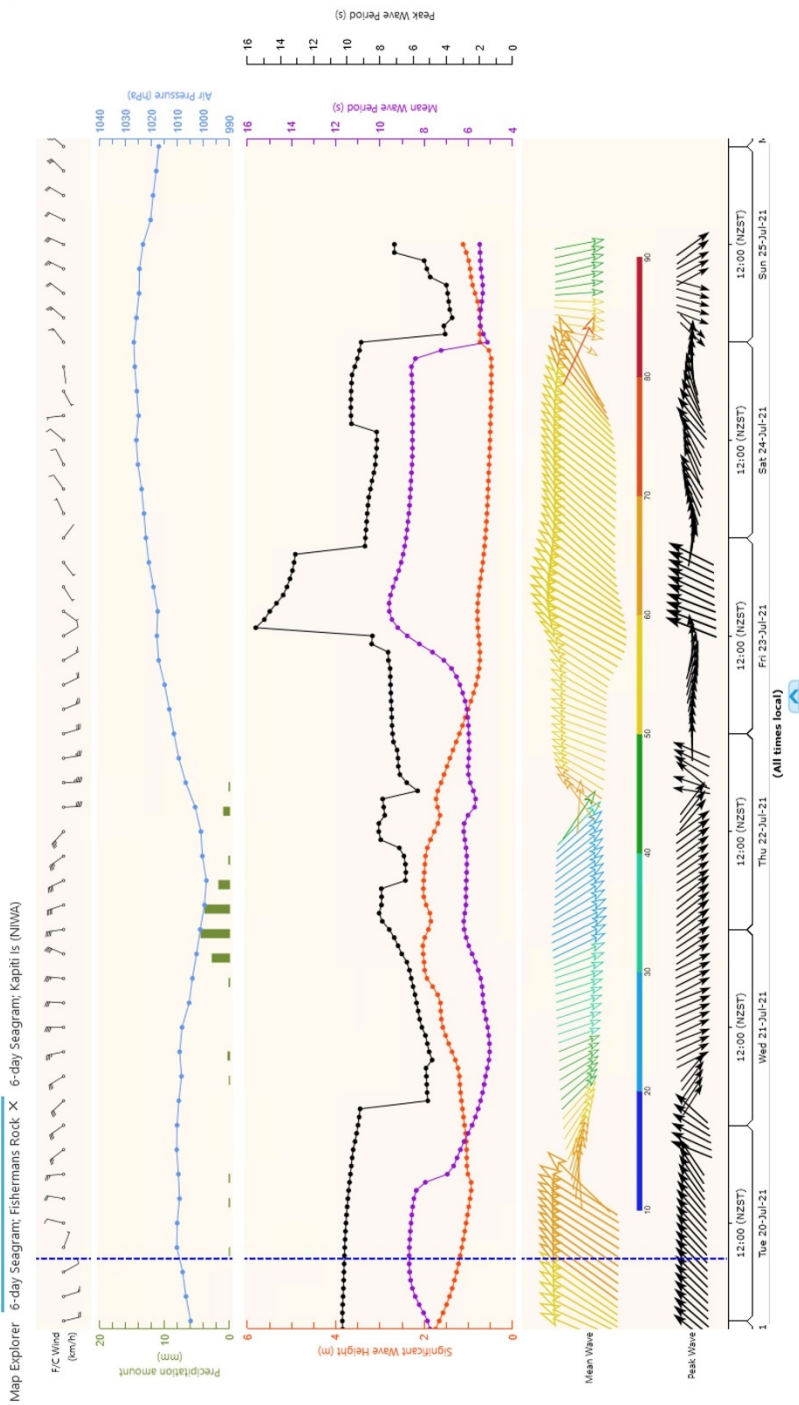
Seagrams

No 6-day seagram for Porirua proper have ones for Kapiti Island off to the north as well as Fishermans Rock, an exposed point out at sea. The Kapiti Island seagram should give you a good idea of the day-to-day variability of the wave patterns but overall is probably a little higher than what you'd expect to experience near Plimmerton. The Fishermans Rock location is exposed, so also somewhat higher than what you'd have at Plimmerton.



1. Incident Name
Plimmerton Orca Recovery

2. Operational Period – 0800 - 1800 Wed 21 July



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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General

Safety - Job Safety Assessment to be completed for all tasks.

Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/ For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

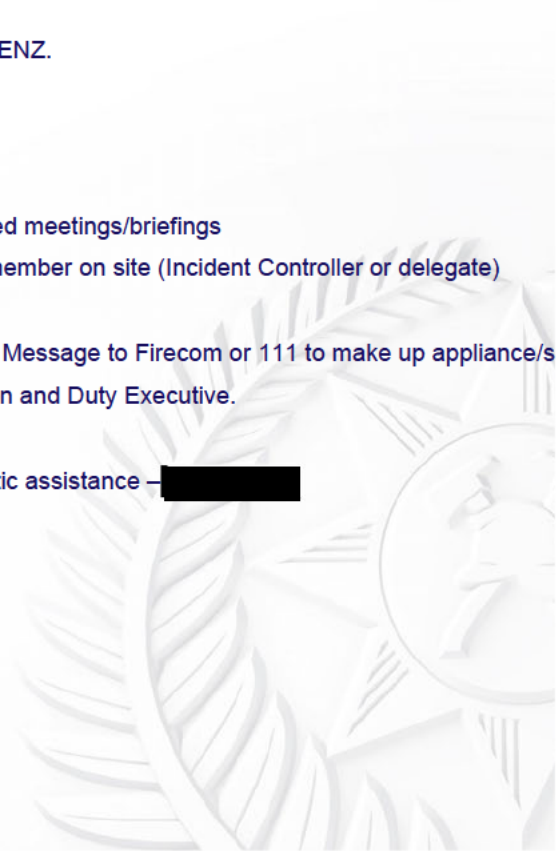
Rosters:

SSO [redacted] can be contacted or Roster and Logistic assistance – [redacted]

Issued 12:00 Saturday 17 July 2021



Carl Mills
Chief Fire Officer



Action Plan Safety Analysis	Operational Period:							Name of Event: Project Orca Calf Mana		
Analysis of Tactical Applications & other Risk Analysis	Location (by Sector/Div)							other Risk Mitigations and Special Instructions:		
	A	B	C	D	E		M			
ENVIROMENT										
1) Weather										Work in good weather forecasting periods, appropriate PPE
2) Tide										Check Tides/weather
3) Swell										Job Safety Assessment,
4)										Job Safety Assessment,
OPERATIONS										
5) Handling Orca										Health & Safety Plan, Job Safety Assessment,
6) 24 hours operation										Health & Safety Plan, Job Safety Assessment,
7) Working at in the water										Health & Safety Plan, Job Safety Assessment,
TRANSPORT										
8) Helicopters										Health & Safety Plan, Job Safety Assessment, Pilot Briefing
9) Snorkelling/Diving										Health & Safety Plan, Job Safety Assessment,
10) Boats										Health & Safety Plan, Job Safety Assessment, Standard Fiordland boat procedures
11) Hiab's/Trucks										Approved drivers and operators, appropriate PPE
EQUIPMENT										
12) Generators, pumps heaters, pools										Approved operators guides & Standard Operating Procedures, Health & Safety Plan, Job Safety Assessment,
HUMAN FACTORS										
13) Tiredness/Fatigue										Supervisors ensure staff and volunteers are fresh and do not have exceeded there own capabilities, Health & Safety Plan, well fed, appropriate PPE
COMPLIANCE										

IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 6 20 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4
IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7
IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 Rev12
IAP 4 Plimmerton Orca Recovery for 20 July (prep 19 July) 2021 Rev 15
IAP 5 Plimmerton Orca Recovery for 21 July (prep 20 July) 2021 Rev 17
IAP 6 Plimmerton Orca Recovery for 22 July (prep 20 July) 2021 Rev 20

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- BOAT PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND SEAGRAMS**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Dave Smith		20 July 2021 1600 hr

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, World Wildlife Fund ,Fire and Rescue NZ and volunteers to save the animal. • The focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • DOC has contacted specialist veterinarians for managing the calf. • DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has occurred with taking blood and feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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<p>5. Actions taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf • Removed orca calf from the sea pen into the Para pool and established water refresh system supported by FENZ <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios • Major storm event across NZ. Plimmerton harbour filled with storm run off <p>Mon 19 July</p> <ul style="list-style-type: none"> • Sea pen restored and reinforced • Planning for Orca calf to be transported from pool to the sea pen. Decision taken not to do this. • Preparation for transport of orca back to its pod • Transition from FENZ to DOC for managing the pool water supply • Managing requests for equipment • Technical Advisory Group met to discuss outcome scenarios • Minister arrived on site at 2:00 pm • IMT planning transition with new team members • Ban on swimming in the Porirua harbour for 2 days from the Greater Wellington Council <p>Tue 20 July</p> <ul style="list-style-type: none"> • Orca calf stable (did have some colic overnight) • Decision to NOT relocate orca calf to sea pen on site due to concerns of water quality (from the recent wastewater) plus weather forecast that’s due to deteriorate for Wed pm and Thu all day) • Decision made to only reunify the calf with its natal pod. • Agreement reached on numbers of swimmers in the pool with the orca calf • Kapiti aero club and Lady Elizabeth followed up sightings off the South Coast of Wellington, pod not found. • More detailed planning for any transportation options, both land and sea <p>Wed 21 July</p> <ul style="list-style-type: none"> • Orca calf stable • Switch from freshwater to sea water recirculation overnight (orca calf appreciated it) • Sightings effort continued. Limited sightings today, mainly Tauranga • Upgrading safety and access security at site but still ‘soft’ rules with ongoing iwi, volunteers, boat club access • Animal ethics approvals sought as a contingency to tag orca calf on release
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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- IMT structure has been modified to two sectors Land/shore-based management & Reunification
 - Meeting with vets – they will provide clearer consensus guidance tomorrow re human behaviour and presence in and around pool
 - Slightly elevated comments/interest at front gate and on social media re euthanasia and captivity arguments
 - High media interest off site
 - OPEX is at least \$30,000
- Processes have been established for
- Safely managing the return of Toa to the open sea environment
 - Safely managing the public and visitors to the Plimmerton Boat Club

6. Factors
As at 21 July, media interest has moved to concentrate on euthanasia. This is creating public concern at the site. Doc social media monitoring this.

7. Predicted Incident Development

What are the likely future outcomes so we can plan for that

Scenario

- Initial approach is to maintain orca calf until its natal pod can be identified and the weather conditions are suitable to reunify orca calf to the pod.
- Establish three Sectors –
 - Direct management of orca in pool or the Sea cage
 - Manage the sightings
 - Prepare vehicles, boats and staff for deployment
- In case of death of the orca calf, the Hongoeka Marae will receive and manage him (Contacts [REDACTED] or [REDACTED])

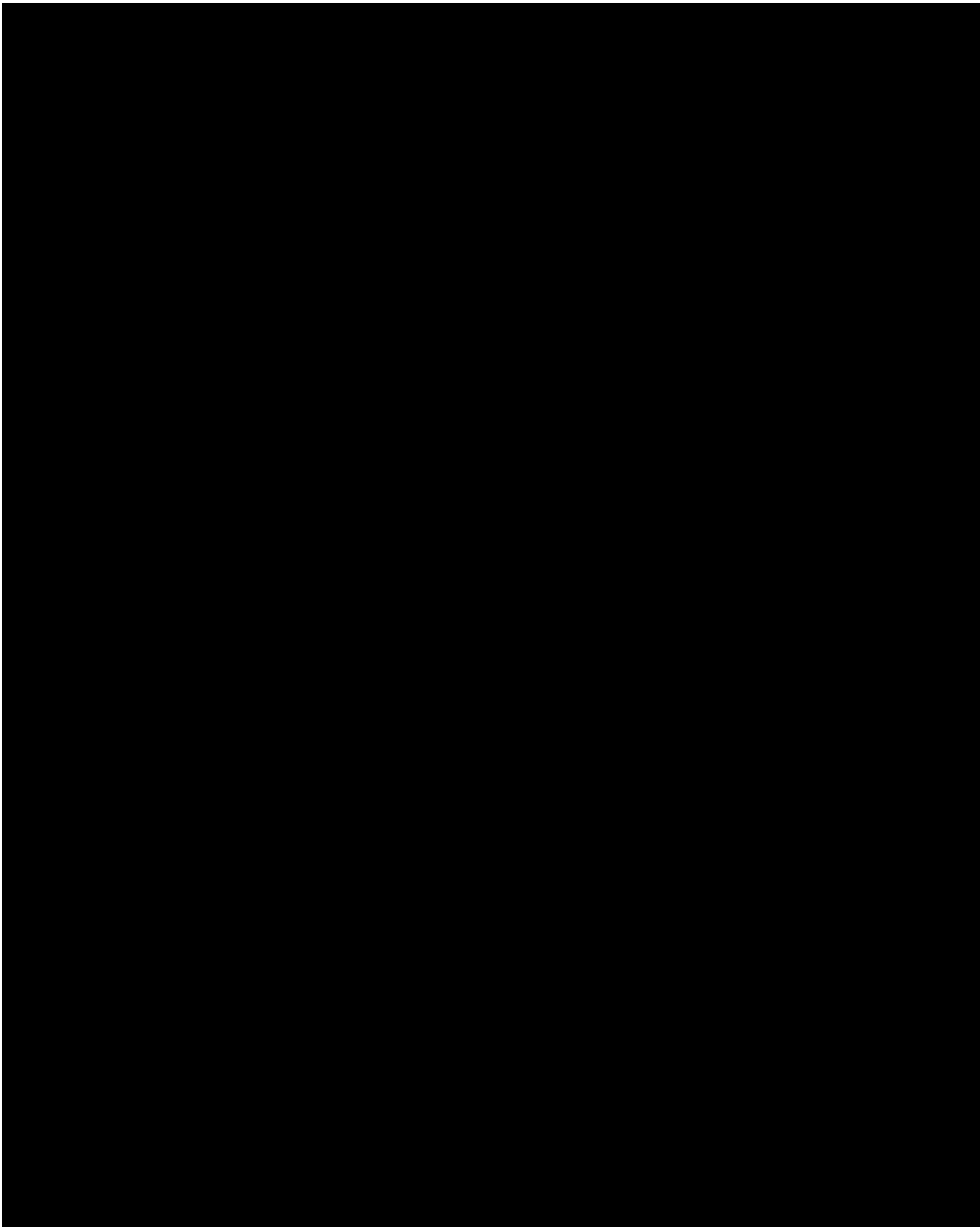
Prepared by: Ian Angus	Date: 21 July	Time: 1600
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Incident Objectives

RF202

<p>4. Objectives for specified Operational Period</p> <p>Purpose: To achieve the best practical outcome for “Toa” the orca calf</p> <p>Objectives:</p> <ol style="list-style-type: none">1. Maintain human life and safety – workers, volunteers and public and order2. Maintain animal welfare3. Prepare long term planning options



1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Kirsty Prior -	[REDACTED]	
Shadow IC			
Information Officer	[REDACTED]	[REDACTED]	
Safety Officer	[REDACTED]	[REDACTED]	
	Michael McCarthy (Support) [REDACTED]	[REDACTED] [REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED]	[REDACTED]	
	Back up [REDACTED]	[REDACTED]	
	OR [REDACTED]		
Agency	FENZ [REDACTED]	[REDACTED]	
	[REDACTED]	[REDACTED]	
Agency	WWF [REDACTED]	[REDACTED]	
Agency	Orca Research Trust	0800SEEORCA	
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	[REDACTED]	
Situations Unit	Ian Angus	[REDACTED]	
Information Unit			
6. Logistics Section		Cell Phone	Radio Ch
"Procurements and Contacts [REDACTED]			
Logistics Manager	[REDACTED]	[REDACTED]	
Supply Unit	Mike Sparrow	[REDACTED]	
Facilities Unit	[REDACTED]	[REDACTED]	
Plimmerton Boating Club	[REDACTED]		


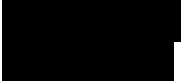
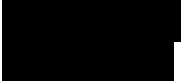
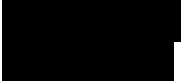
1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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7. Operations Section		Cell Phone	Radio Ch
Operations Manager	[REDACTED]	[REDACTED]	
Deputy Operations Manager	[REDACTED] (DOC) night watch	[REDACTED]	
Pump Staff (day)	[REDACTED] [REDACTED]	[REDACTED] [REDACTED]	
Pump staff (night)	[REDACTED] [REDACTED]	[REDACTED] [REDACTED]	
Sector A Supervisor	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	[REDACTED]	[REDACTED]	
Spotting management	[REDACTED]	[REDACTED]	
Reunification planning	[REDACTED]	[REDACTED]	
Prepared by: [REDACTED]	Date: 21 July	Time: 1400	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Sector Assignment










RF204

3. Sector A	4. Description Manage animal welfare			5. Division Assigned																															
6. Sector Supervisor																																			
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Management of the pen area</td> <td>Ingrid Visser</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Management of Volunteers</td> <td style="background-color: black;">  </td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	Management of the pen area	Ingrid Visser					Management of Volunteers																	
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Management of the pen area	Ingrid Visser																																		
Management of Volunteers																																			
8. Sector Assignment / Special Instructions Key TaskProvide animal welfare to Toa <ul style="list-style-type: none"> Management of the pen area Volunteer coordination – See end of document for Volunteer Protocols 																																			
Prepared by: [REDACTED]		Date: 21 July		Time: 1600																															

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Sector Assignment

RF204

3. Sector B	4. Description Boat Manager		5. Division Assigned																				
6. Sector Supervisor																							
7. Resources Assigned this period <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Spotting management</td> <td>  – (DOC </td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Reunification Plan</td> <td>  </td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	Spotting management	 – (DOC					Reunification Plan					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>																		
Spotting management	 – (DOC																						
Reunification Plan																							
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Manage the boats sector (see Boat Plan below) Manage to “orca spotting and reporting” Aircraft on standby Boats on standby for possible Orca transportation 																							
Prepared by: 		Date: 21 July		Time: 1600																			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: ██████████			Date/Time 21 July 1600 hrs	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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1. Incident Name	2. Operational Period Date 21 July Time 0800-1800	RE-UNIFICATION PLAN
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3. Personnel and Communications				
Position	Name	Affiliation	Phone	Radio Chan
Sector Supervisor	[REDACTED]	DOC	[REDACTED]	

4. Air Resource Assignments					
Pilot Name/ Company	Boat/Vehicle	Reg or Call sign	Assignment	Tactical Freq/Chan	Telephone Numbers
[REDACTED]	Mataara II	[REDACTED]			Onboard: Company:
[REDACTED]	Krista marie	[REDACTED]			Onboard: Company:
	Lady Elizabeth				
Rough Transport [REDACTED]	Hiab Truck	[REDACTED]			

5. Location of Filling Points/Service Areas	
Name	Grid Reference

6. Safety Notes / Hazards / Radio Coverage Limitations
--

<p>7. Boat Operations Special Equip or Service</p> <p>Possible operating staff on boats</p> <p>MV Mataara – Skipper x1 & Crew x1 Natural Heritage x2 Ngata toa x1</p> <p>MV Krista Marie Skipper x1 & Crew x2 Orca Society x4 Ingrid Visser, plus 1, [REDACTED] SPA x1 Safety x1 Ngati Toa x1</p> <p>Police Launch “Lady Elizabeth” The unit provides 24-hour coverage to the public, Has a crew of 4 and can take 8 passanges Contact details [REDACTED]</p>

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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8. Prepared By: [REDACTED]	Date/Time Mon 21 July 1200
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Safety Plan

RF209

3. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Vessel operating limits at discretion of skipper in enclosed waters

Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Actions undertaken

- Had discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols to be strengthened.
- Site now secure with limited access for the public
- Plimmerton Boat Club open to members this afternoon.
- Poor weather continuing until Sunday evening-Monday morning
- DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend
- Due to significant rainfall in the Wellington area and the waste water overflows that have spilled over into the local waterways that they are issuing a swing advisory. The team dealing with the orcas in the bay or anyone who works in, on or near water to take the necessary safety precautions they can to avoid any potential health & safety hazards. Any questions feel free to call [REDACTED] on [REDACTED]
- Concerns raised today that volunteers are not following H&S protocols. Fatigue is a real concern and rest times are not being tracked or followed after 9 days. This is the second time in 24hrs this has been raised.
- There is no SPA at the poolside or team leads for each organisation. This is making addressing any concerns or protocols difficult.
- No current DOC JSA or safety briefing at the ICP. No site induction for site safety or tracking what DOC staff are where.
- The site has multiple hazards that need attention. Old fencing that has been pulled out of the water after a storm damaged it, trip hazards, general site management etc.
- It is difficult to ascertain what the incident reporting mechanism is. Is it the DOC system or is there another? This needs to be established and made clear.
- Managing staff working hours needs to be well thought out. Having teams work 23 hours straight is not sustainable and is a health and safety concern.

7. Prepared By: [REDACTED]	Date/Time 21 July 1500hrs
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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1. Incident Name Plimmerton Orca Recovery		2. Operational Period Date Time		MEDICAL PLAN RF206						
3. First Aid Station <i>Name</i>		<i>Location</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available at Station</i>				
Plimmerton Medical Centre		10 Steyne Avenue, Plimmerton, Porirua 5026		(04) 233 8015						
Mana Medical Centre		107 Mana EsplanadeWellingto		04-233 8019						
Pacific Health Service Porirua		Cannons Creek		04-237 9824						
4. Transportation <i>Ambulance Service</i>		<i>Address</i>		<i>Phone/Radio Channel</i>		<i>Paramedics available with Ambulance</i>				
St Johns				111		Yes				
5. Hospitals <i>Hospital Name</i>		<i>Address</i>		<i>Phone</i>		<i>Travel Time</i>		<i>Burn</i>	<i>Heli</i>	
						<i>Road</i>		<i>Air</i>	<i>Unit</i>	<i>Pad</i>
Wellington Hospital		49 Riddiford Street, Newtown, Wellington 6021		04-385 5999		30 min		15		Yes
Hutt Hosital		638 High Street, Boulcott, Lower Hutt 5010		04-566 6999		33 min		15		
6. Special Emergency Procedures										
7. Prepared By: [REDACTED]					Date/Time 21 July 1500hrs					
8. Reviewed by Safety Advisor: [REDACTED]					Date/Time					

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Weather Forecast

Coastal Marine (Metservice)

NIWA Forecast for Plimmerton Prepared 0800 pm Tue 20 July 2021

Tuesday

Rain: Dry conditions.

Wind: Light and variable winds during the morning, becoming northerly up to 10 km/h with gusts to 25 km/h during the afternoon.

Swell: NW wave direction with height around 1.0 m.

Wednesday

Rain: A few morning showers possible, followed by dry midday hours, then rain arriving later in the afternoon and continuing overnight. Up to 10 mm possible in total.

Wind: Northerly winds 10-15 km/h with gusts to 35 km/h during the morning increasing to 15-20 km/h with gusts up to 40-45 km/h during the afternoon and evening. Gusts as high as 50-60 km/h possible overnight.

Swell: NW wave direction with height 1.0 m during the morning, increasing to 1.5 m during the afternoon/evening, then increasing to 2.0 m overnight.

Thursday

Rain: Scattered showers.

Wind: NW winds 15-25 km/h during the morning becoming southerly during the afternoon 10-20 km/h with gusts up to 35-45 km/h.

Swell: NW wave direction with height 2.0 m during the morning, decreasing to 1.5 m during the afternoon.

Friday

Rain: Dry conditions likely.

Wind: Light southerly winds 10-15 km/h.

Swell: NW wave direction with height around 1.0 m.

Saturday

Rain: Dry conditions likely.

Wind: Light easterly winds up to 10 km/h.

Swell: NW wave direction with height 0.5 m.

Sunday

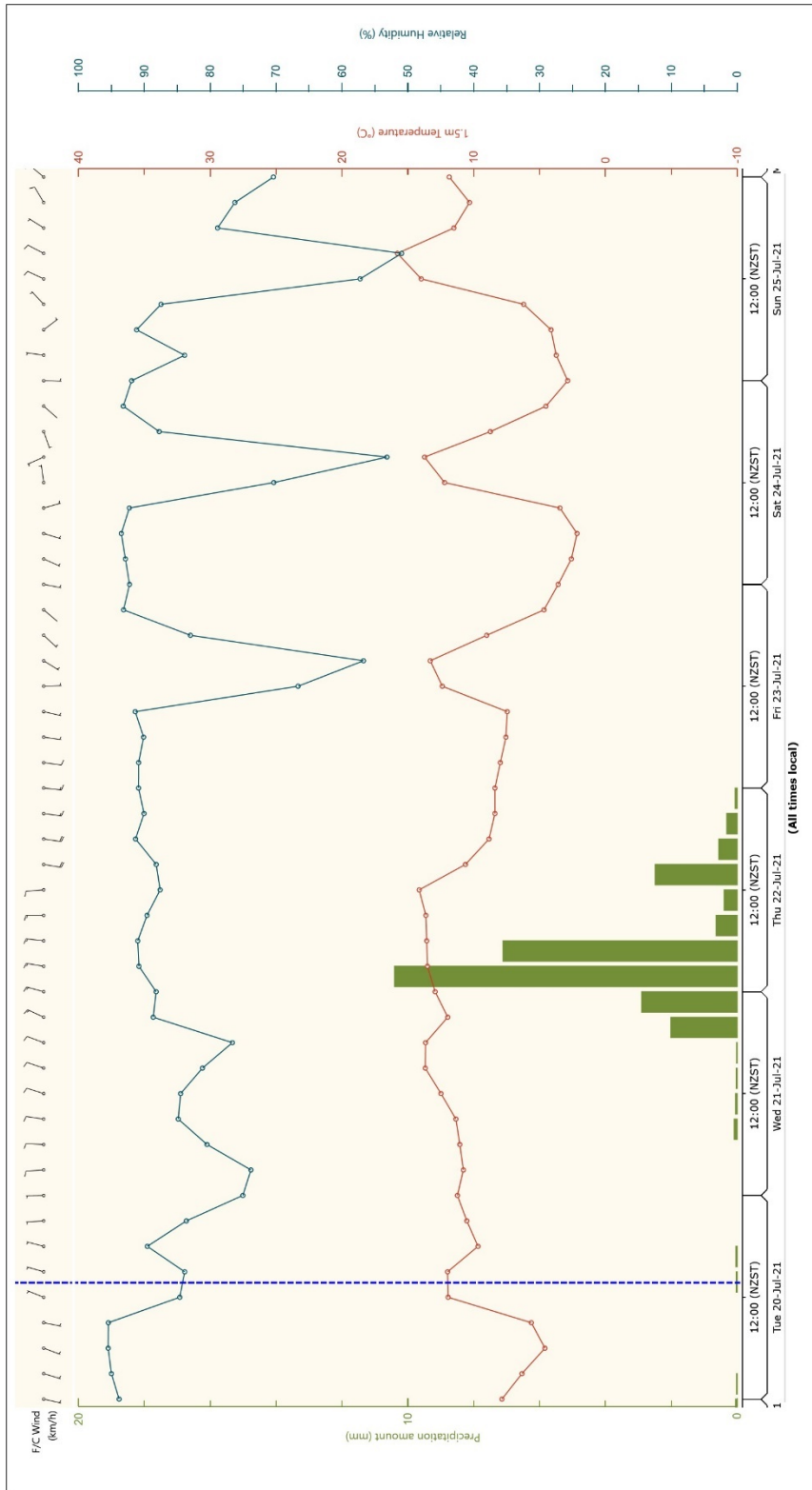
Rain: Dry conditions possible.

Wind: NE winds 10-20 km/h gusting to 30 km/h.

Swell: NW wave direction with height 0.5 m.

1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 - 1800 Thu 22 July 2021



Porirua, Elsdon Park Aws; 6-day forecast weather
 (Printed 20-Jul-2021 13:43)

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



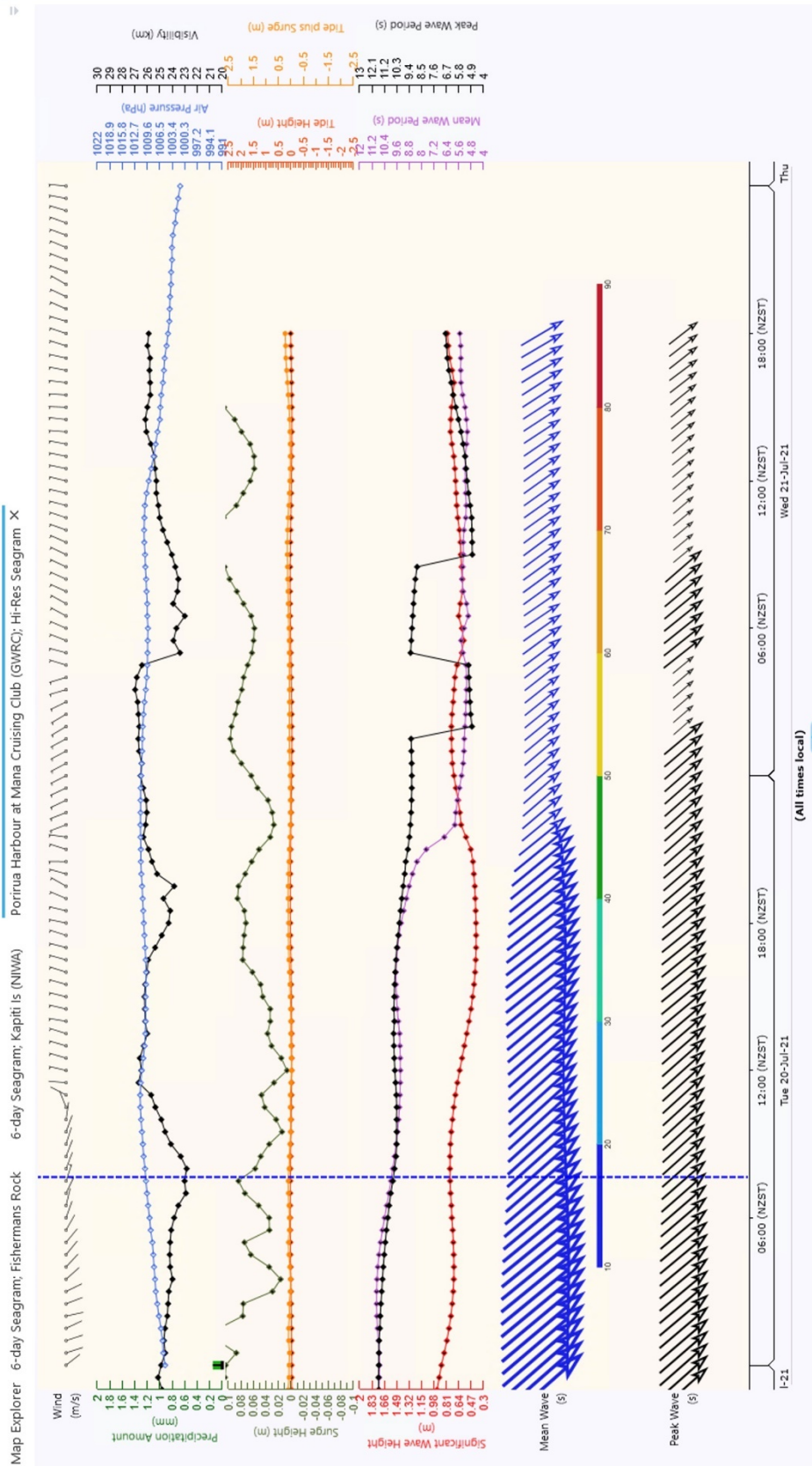
Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
TUE 20 JUL	05:52 1.4m	11:52 0.8m	18:31 1.4m	-	-
WED 21 JUL	-	00:51 0.8m	07:09 1.4m	13:23 0.8m	19:51 1.4m
THU 22 JUL	-	02:02 0.8m	08:15 1.5m	14:40 0.8m	20:51 1.5m
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m
SUN 25 JUL	-	04:23 0.6m	10:51 1.6m	17:06 0.6m	23:01 1.8m

1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Thu 22 21 July 2021

NIWA Forecast 48 hour high resolution model

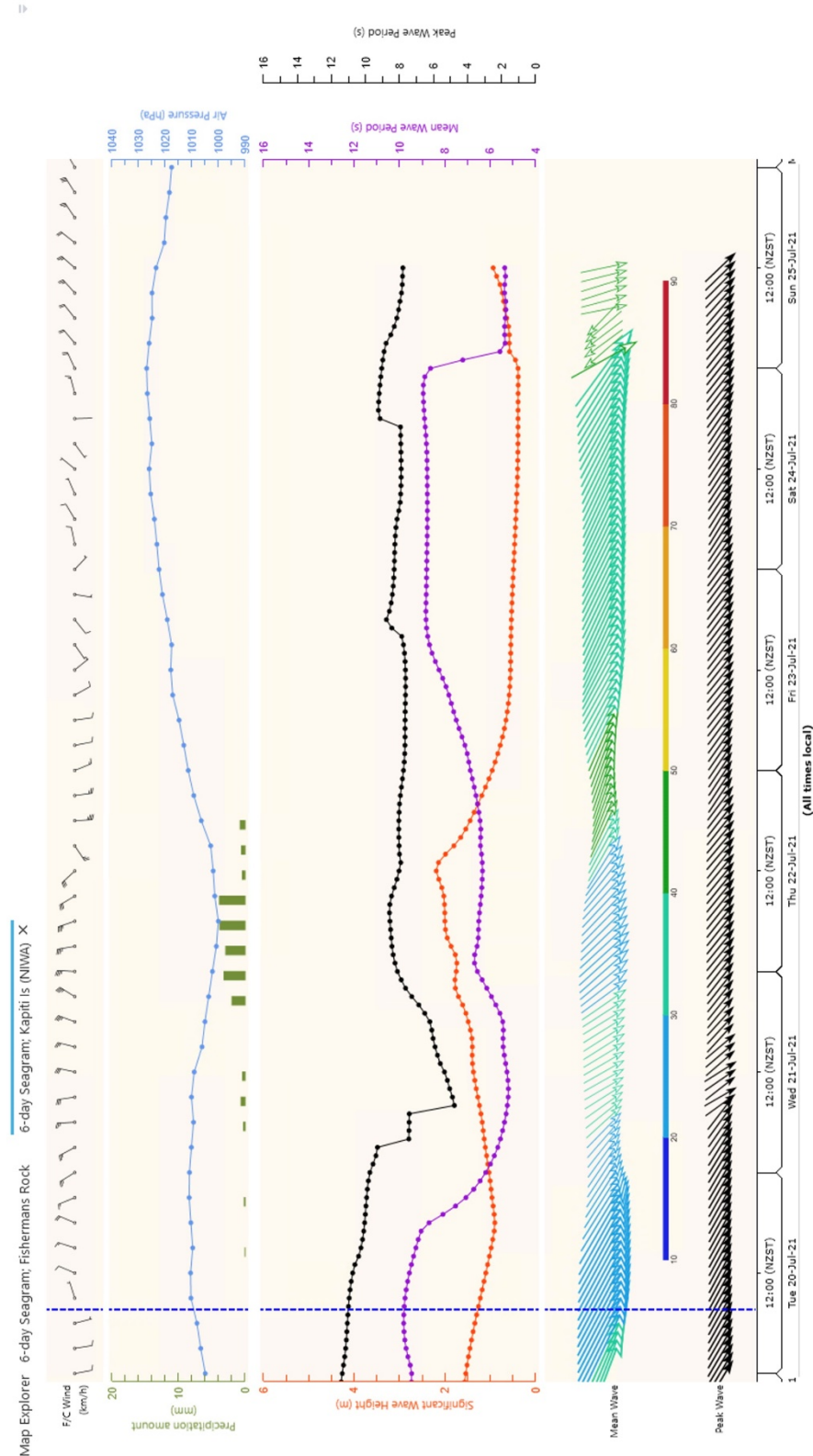


1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Thu 22 July 2021

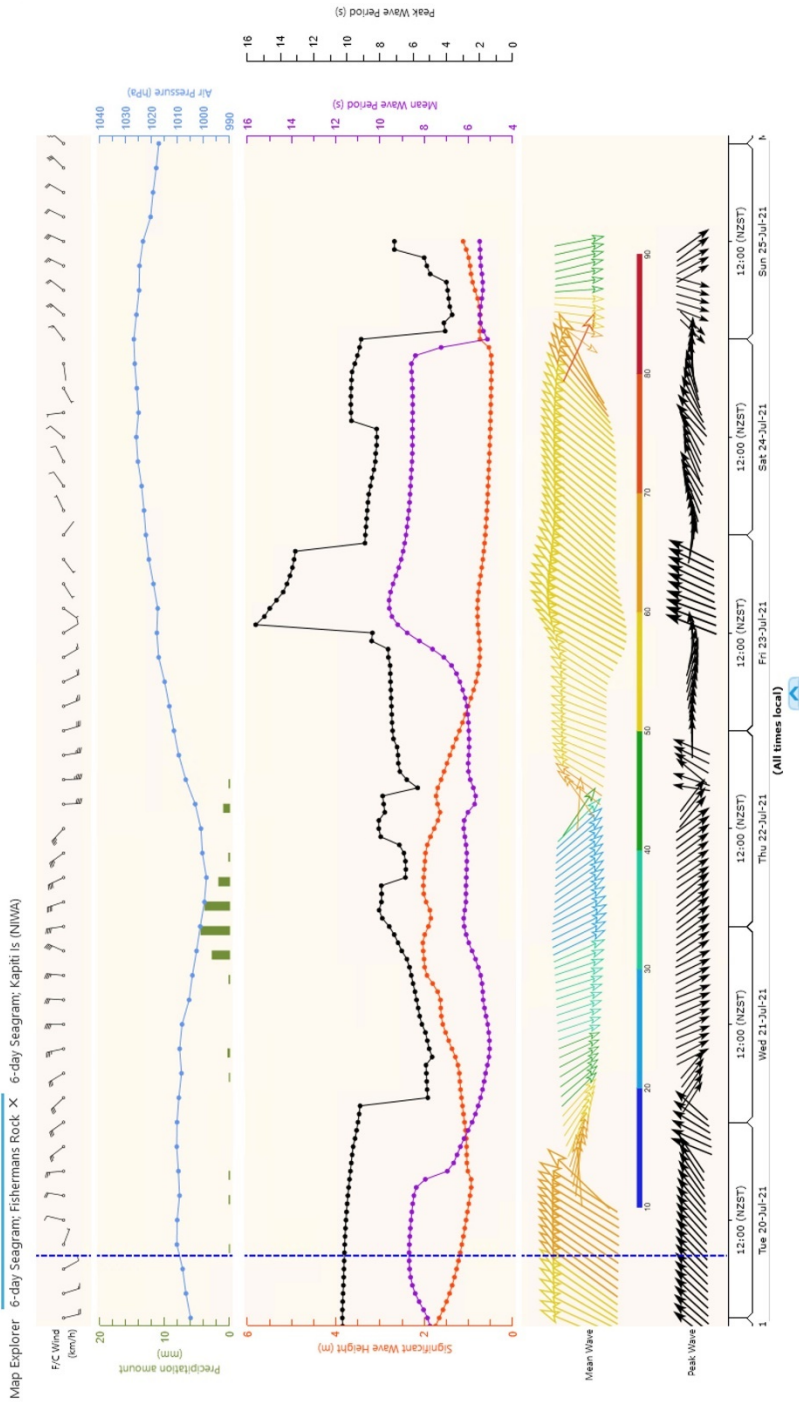
Seagrams

No 6-day seagram for Porirua proper have ones for Kapiti Island off to the north as well as Fishermans Rock, an exposed point out at sea. The Kapiti Island seagram should give you a good idea of the day-to-day variability of the wave patterns but overall is probably a little higher than what you'd expect to experience near Plimmerton. The Fishermans Rock location is exposed, so also somewhat higher than what you'd have at Plimmerton.



1. Incident Name
Plimmerton Orca Recovery

2. Operational Period – 0800 - 1800 Thu 22 July 2021



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

General

Safety - Job Safety Assessment to be completed for all tasks.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/s
 For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

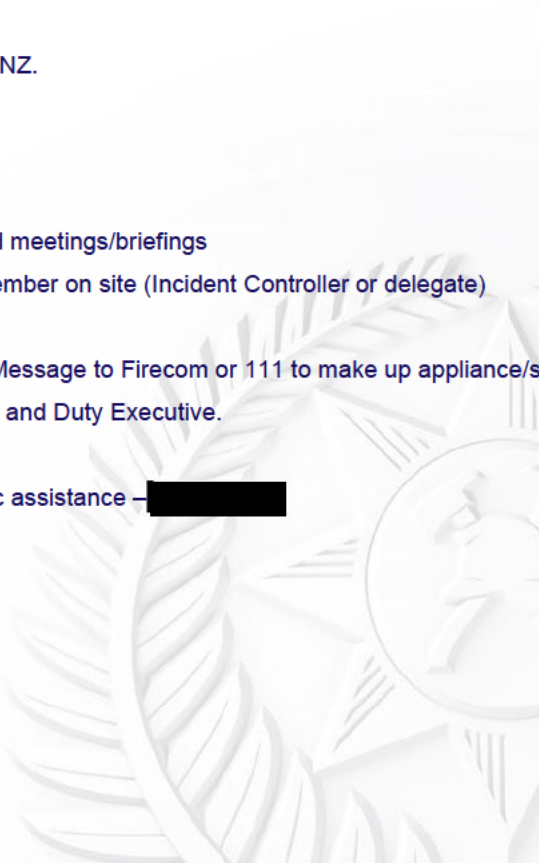
Rosters:

SSO [redacted] can be contacted or Roster and Logistic assistance – [redacted]

Issued 12:00 Saturday 17 July 2021



Carl Mills
 Chief Fire Officer



Action Plan Safety Analysis	Operational Period:							Name of Event: Project Orca Calf Mana		
Analysis of Tactical Applications & other Risk Analysis	Location (by Sector/Div)							other Risk Mitigations and Special Instructions:		
	A	B	C	D	E		M			
ENVIROMENT										
1) Weather										Work in good weather forecasting periods, appropriate PPE
2) Tide										Check Tides/weather
3) Swell										Job Safety Assessment,
4)										Job Safety Assessment,
OPERATIONS										
5) Handling Orca										Health & Safety Plan, Job Safety Assessment,
6) 24 hours operation										Health & Safety Plan, Job Safety Assessment,
7) Working at in the water										Health & Safety Plan, Job Safety Assessment,
TRANSPORT										
8) Helicopters										Health & Safety Plan, Job Safety Assessment, Pilot Briefing
9) Snorkelling/Diving										Health & Safety Plan, Job Safety Assessment,
10) Boats										Health & Safety Plan, Job Safety Assessment, Standard Fiordland boat procedures
11) Hiab's/Trucks										Approved drivers and operators, appropriate PPE
EQUIPMENT										
12) Generators, pumps heaters, pools										Approved operators guides & Standard Operating Procedures, Health & Safety Plan, Job Safety Assessment,
HUMAN FACTORS										
13) Tiredness/Fatigue										Supervisors ensure staff and volunteers are fresh and do not have exceeded there own capabilities, Health & Safety Plan, well fed, appropriate PPE
COMPLIANCE										

IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 7 23 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4
IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7
IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 Rev12
IAP 4 Plimmerton Orca Recovery for 20 July (prep 19 July) 2021 Rev 15
IAP 5 Plimmerton Orca Recovery for 21 July (prep 20 July) 2021 Rev 17
IAP 6 Plimmerton Orca Recovery for 22 July (prep 21 July) 2021 Rev 20
IAP 7 Plimmerton Orca Recovery for 23 July (prep 22 July) 2021 Rev 22

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- BOAT PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND SEAGRAMS**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Kirsty Prior		22 July 2021 1600 hr

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, World Wildlife Fund ,Fire and Rescue NZ and volunteers to save the animal. • The focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • DOC has contacted specialist veterinarians for managing the calf. • DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has occurred with taking blood and feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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<p>5. Actions taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf • Removed orca calf from the sea pen into the Para pool and established water refresh system supported by FENZ <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios • Major storm event across NZ. Plimmerton harbour filled with storm run off <p>Mon 19 July</p> <ul style="list-style-type: none"> • Sea pen restored and reinforced • Planning for Orca calf to be transported from pool to the sea pen. Decision taken not to do this. • Preparation for transport of orca back to its pod • Transition from FENZ to DOC for managing the pool water supply • Managing requests for equipment • Technical Advisory Group met to discuss outcome scenarios • Minister arrived on site at 2:00 pm • IMT planning transition with new team members • Ban on swimming in the Porirua harbour for 2 days from the Greater Wellington Council <p>Tue 20 July</p> <ul style="list-style-type: none"> • Orca calf stable (did have some colic overnight) • Decision to NOT relocate orca calf to sea pen on site due to concerns of water quality (from the recent wastewater) plus weather forecast that’s due to deteriorate for Wed pm and Thu all day) • Decision made to only reunify the calf with its natal pod. • Agreement reached on numbers of swimmers in the pool with the orca calf • Kapiti aero club and Lady Elizabeth followed up sightings off the South Coast of Wellington, pod not found. • More detailed planning for any transportation options, both land and sea <p>Wed 21 July</p> <ul style="list-style-type: none"> • Orca calf stable • Switch from freshwater to sea water recirculation overnight (orca calf appreciated it) • Sightings effort continued. Limited sightings today, mainly Tauranga • Upgrading safety and access security at site but still ‘soft’ rules with ongoing iwi, volunteers, boat club access • Animal ethics approvals sought as a contingency to tag orca calf on release • IMT structure has been modified to two sectors Land/shore-based management & Reunification • Meeting with vets – they will provide clearer consensus guidance tomorrow re human behaviour and presence in and around pool • Slightly elevated comments/interest at front gate and on social media re euthanasia and captivity arguments • High media interest off site

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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- OPEX is at least \$30,000
- Site Hazard board established at the ICP. This was introduced at the 4pm meeting on the 21st July. This will aid in the site inductions for DOC staff.

-

Thu 22 July

- The health of the orca calf is slightly compromised with an injury on its pectoral fins, a swollen eye and some lethargy. The vets have mentioned ‘depression’ and that the calf is not able to stretch out in the pool effectively.
- A site induction protocol has been implemented.
- A daily H&S meeting has been established with key volunteer and DOC points of contacts
- A STOP for Safety was called on the basis of water quality for our people and their safety.
- A daily site review will be completed by the H&S team.
- Proposal to move the orca calf back to sea pen this evening on the basis of the health of the calf, quality of the sea water, safety of the people is in planning for the relocation
- Only one sighting of an orca pod off the Brothers Island today. We’ve proactively contacted the Kapiti aero club asking them to put a plane up but the weather conditions weren’t suitable
- Two media releases have been prepared <https://www.doc.govt.nz/news/media-releases/2021-media-releases/orca-update-1030am-thursday-22-july-2021/>
- Preparation is underway for a daily update (one-pager) to SLT and the Minister. The first iteration of this should be available tomorrow.
- Preparation is underway for a daily update to our people which will be published on the Intranet. Key messages will include asking them not to visit the area.

Processes have been established for

- Safely managing the return of Toa to the open sea environment
- Safely managing the public and visitors to the Plimmerton Boat Club

6. Factors

As at 21 July, media interest has moved to concentrate on euthanasia. This is creating public concern at the site. Doc social media monitoring this.

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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<p>7. Predicted Incident Development</p> <p>What are the likely future outcomes so we can plan for that</p> <p>Scenario</p> <ul style="list-style-type: none"> • Initial approach is to maintain orca calf until its natal pod can be identified and the weather conditions are suitable to reunify orca calf to the pod. • Establish three Sectors – <ul style="list-style-type: none"> ○ Direct management of orca in pool or the Sea cage ○ Manage the sightings ○ Prepare vehicles, boats and staff for deployment • In case of death of the orca calf, the Hongoeka Marae will receive and manage him (Contacts [REDACTED] or [REDACTED]) 		
Prepared by: Ian Angus	Date: 22 July	Time: 1600

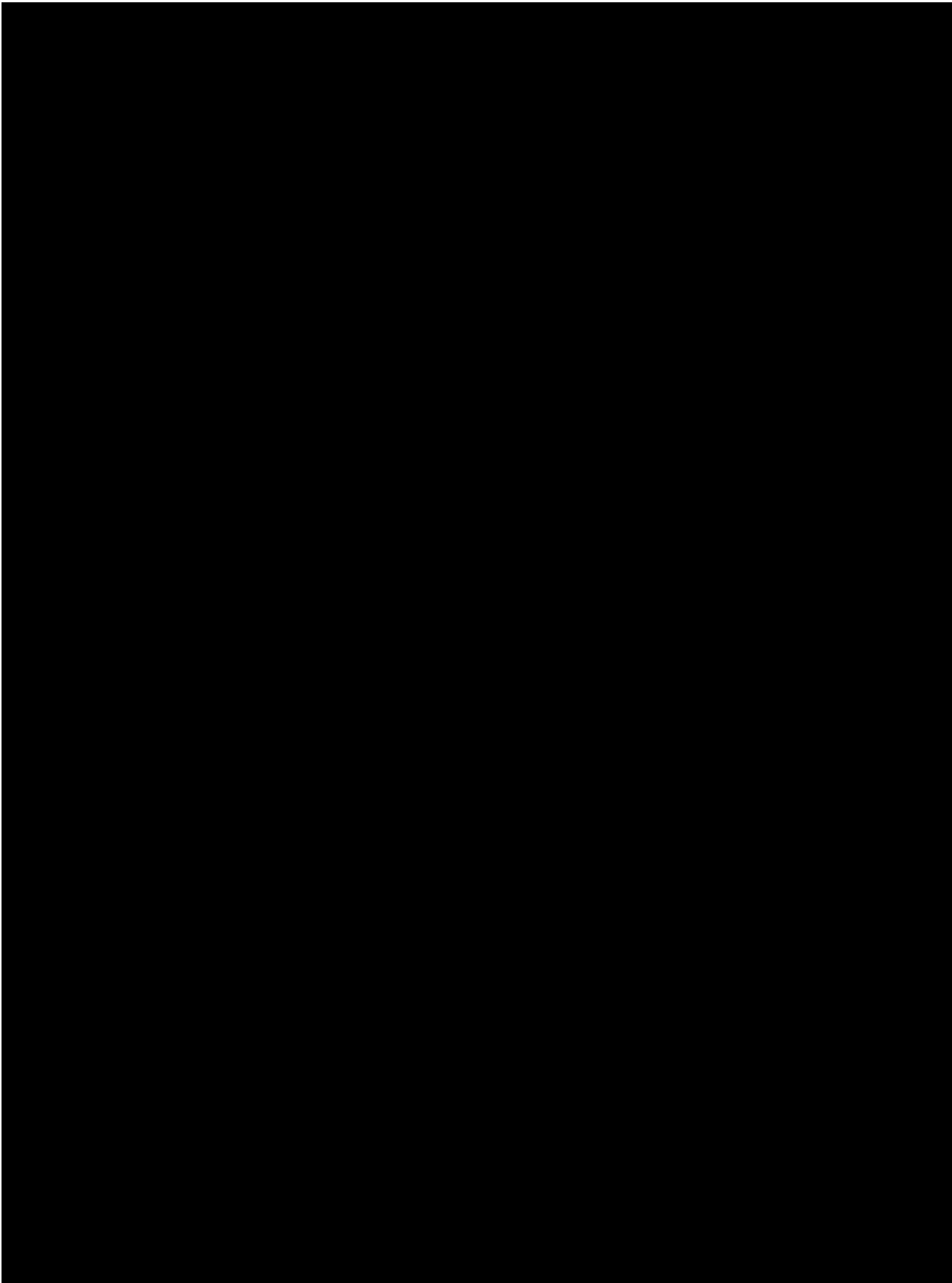
Incident Objectives

RF202

<p>4. Objectives for specified Operational Period</p> <p style="text-align: center;">Purpose: To achieve the best practical outcome for “Toa” the orca calf</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. Maintain human life and safety – workers, volunteers and public and order 2. Maintain animal welfare 3. Prepare long term planning options

1. Incident Name
Plimmerton Orca
RecoveryRecovery

2. Operational Period – 0800 - 1800 Fri 23 July 2021



1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Kirsty Prior (on call for night)-	[REDACTED]	
Information Officer	[REDACTED]	[REDACTED] 4	
Safety Officer	[REDACTED]	[REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED] Back up [REDACTED] OR [REDACTED]	[REDACTED]	
Agency	FENZ [REDACTED]	[REDACTED]	
Agency	WWF [REDACTED]	[REDACTED]	
Agency	Orca Research Trust	0800SEEORCA	
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	[REDACTED]	
Situations Unit	Ian Angus	[REDACTED]	
Security (Social)	Michael McCarthy (Support) [REDACTED]	[REDACTED]	
6. Logistics Section		Cell Phone	Radio Ch
"Procurements and Contacts [REDACTED]"			
Logistics Manager	[REDACTED]	[REDACTED]	
Supply Unit	Mike Sparrow	0210449093	
Facilities Unit Plimmerton Boating Club	[REDACTED]	[REDACTED]	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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7. Operations Section		Cell Phone	Radio Ch
Operations Manager	[REDACTED] on call for night)	[REDACTED]	
Deputy Operations Manager			
Pump Staff (day)	[REDACTED] [REDACTED] [REDACTED] (NZDF) Filtration support	[REDACTED] [REDACTED] [REDACTED]	
Pump staff (night)	[REDACTED] [REDACTED]	[REDACTED] [REDACTED]	
Sector A Supervisor	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	[REDACTED]	[REDACTED]	
Spotting management	[REDACTED]	[REDACTED]	
Reunification planning	[REDACTED]	[REDACTED]	
Sector C Supervisor	Recon Security [REDACTED]	[REDACTED] [REDACTED]	
Prepared by: Mike Sparrow		Date: 22 July	Time: 1600

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Sector Assignment











RF204

3. Sector A	4. Description Manage animal welfare			5. Division Assigned																															
6. Sector Supervisor	[REDACTED]																																		
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop- off Point/ time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Management of the pen area</td> <td>Ingrid Visser</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Management of Volunteers</td> <td>[REDACTED]</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>	Management of the pen area	Ingrid Visser					Management of Volunteers	[REDACTED]																
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>																														
Management of the pen area	Ingrid Visser																																		
Management of Volunteers	[REDACTED]																																		
8. Sector Assignment / Special Instructions Key Task Provide animal welfare to Toa <ul style="list-style-type: none"> • Management of the pen area • Volunteer coordination – See end of document for Volunteer Protocols • 																																			
Prepared by: [REDACTED]			Date: 22 July	Time: 1600																															

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Sector Assignment

RF204

3. Sector B	4. Description Reunification planning and implementation			5. Division Assigned																			
6. Sector Supervisor																							
7. Resources Assigned this period <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Spotting management</td> <td>  (DOC) </td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Reunification Plan and implementation</td> <td>  </td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	Spotting management	 (DOC)					Reunification Plan and implementation					
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Spotting management	 (DOC)																						
Reunification Plan and implementation																							
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Manage the boats sector (see Boat Plan below) Manage to “orca spotting and reporting” Aircraft on standby Boats, vehicles and lifting equipment on standby for possible Orca transportation Link to “Reunification Plan”  																							
Prepared by: 	Date: 22 July	Time: 1600																					

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Sector Assignment

RF204

3. Sector C	4. Description Security			5. Division Assigned																			
6. Sector Supervisor																							
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Recon Security</td> <td style="background-color: black;"></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	Recon Security											
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Recon Security																							
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Provide security services to the Plimmerton Boating Club site RECON Security MOB: XXXXXXXXXX																							
Prepared by: XXXXXXXXXX			Date: 22 July	Time: 1600																			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: ██████████			Date/Time 22 July 1600 hrs	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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1. Incident Name	2. Operational Period Date 21 July Time 0800-1800	RE-UNIFICATION PLAN
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3. Personnel and Communications				
Position	Name	Affiliation	Phone	Radio Chan
Sector Supervisor	[REDACTED]	DOC	[REDACTED]	

4. Air Resource Assignments					
Pilot Name/ Company	Boat/Vehicle	Reg or Call sign	Assignment	Tactical Freq/Chan	Telephone Numbers
[REDACTED]	Mataara II	[REDACTED]			Onboard: Company:
[REDACTED]	Crista Marie	[REDACTED]			Onboard: Company:
	Lady Elizabeth				
Rough Transport [REDACTED]	Hiab Truck	[REDACTED]			

5. Location of Filling Points/Service Areas	
Name	Grid Reference

6. Safety Notes / Hazards / Radio Coverage Limitations

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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7. Boat Operations Special Equip or Service

Possible operating staff on boats

MV Mataara –

Skipper x1 & Crew x1
 Natural Heritage x2
 Ngata toa x1

MV Krista Marie

Skipper x1 & Crew x2
 Orca Society x4 Ingrid Visser, plus 1, [REDACTED]
 SPA x1
 Safety x1
 Ngati Toa x1

Police Launch “Lady Elizabeth”

Has a crew of 4 and can take 8 passengers

Police Maritime Unit

O/C [REDACTED] police.govt.nz [REDACTED]

The unit operates between 0600 – 2000 hours daily but are on call for emergencies outside of those hours. The on call number (24/7) is [REDACTED] (also the number in the event that [REDACTED] is unavailable).

Police Event Number

The event number assigned to this is [REDACTED]

Use this number if there are any requests for Police assistance and in any correspondence being completed that may make its way to Police.

8. Prepared By: [REDACTED]	Date/Time 22 July 1200
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Safety Plan

RF209

1. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Limit electrical usage on external appliances

Vessel operating limits at discretion of skipper in enclosed waters

Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Actions undertaken

- Discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols have been strengthened (22 Jul)
- Site now secure with limited access for the public
- Plimmerton Boat Club open to members this afternoon.
- DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend
- Site Hazard board established at the ICP. This was introduced at the 4pm meeting on the 21st July. This will aid in the site inductions for DOC staff.
- A daily meeting has been established with key volunteer and DOC points of contacts. This is to discuss operations and any H&S points. This is held daily at 1000hrs
- A Site safety plan has been drafted and is being implemented for the overall site. This is now live and is being reviewed by our LNI H&S Rep.
- A daily site review will be completed by the H&S team. This will involve checking the site to ensure the H&S plan is being followed. Any concerns will be discussed through the Op's Manager.

Directives

- A site induction protocol has been prepared and is mandatory for any new staff or visitors that come onto the site.
- All H&S incidents are to be reported to the H&S Manager and logged into the system (Risk manager).
-

Concerns raised

- Electrical draw on external power need to be monitored

National/Local Police Contacts

- The National Command and Control Centre (NCCC) can be contacted 24/7 on 04 817 0248.
- For local Police resources (Wellington/Porirua Police), they are deployed via the Wellington District Command Centre (DCC) – 24/7 on 04 381 2008.
- [REDACTED] – has been operating as the local contact (Porirua Community Section). If you couldn't get hold of [REDACTED] or there was some urgent(ish) request for assistance, then it is best to call the DCC.

7. Prepared By: [REDACTED]	Date/Time 22 July 1500hrs
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period Date Time	MEDICAL PLAN RF206					
3. First Aid Station Name	Location	Phone/Radio Channel	Paramedics available at Station				
Plimmerton Medical Centre	10 Steyne Avenue, Plimmerton, Porirua 5026	(04) 233 8015					
Mana Medical Centre	107 Mana Esplanade Wellington	04-233 8019					
Pacific Health Service Porirua	Cannons Creek	04-237 9824					
4. Transportation Ambulance Service	Address	Phone/Radio Channel	Paramedics available with Ambulance				
St Johns		111	Yes				
5. Hospitals Hospital Name	Address	Phone	Travel Time Road		Air	Burn Unit	Heli Pad
Wellington Hospital	49 Riddiford Street, Newtown, Wellington 6021	04-385 5999	30 min		15		Yes
Hutt Hosital	638 High Street, Boulcott, Lower Hutt 5010	04-566 6999	33 min		15		
6. Special Emergency Procedures Contact Safety Advisor for any known hazards and incidents							
7. Prepared By: Michael Sparrow						Date/Time 22 July 1500hrs	
8. Reviewed by Safety Advisor: [REDACTED]						Date/Time 22 July 1600	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Weather Forecast

Coastal Marine (Metservice)

NIWA Forecast for Plimmerton Prepared 0800 pm Thu 22 July 2021

Thursday

Rain: Passing morning showers, then a steadier rain from mid-afternoon, easing to showers overnight. Total rainfall up to 10 mm.

Wind: NNW winds 10-20 km/h with gusts up to 40 km/h before a southerly change 3-5 pm sees an increase to 20-25 km/h with gusts up to 60 km/h, gradually easing overnight.

Swell: NW wave direction with height 1.5-2.0 m, decreasing to 1.0-1.5 m overnight.

Friday

Rain: Dry conditions.

Wind: Light southerly winds around 10 km/h gusting up to 25 km/h.

Swell: NW wave direction with height decreasing from 1.0 m to 0.5 m.

Saturday

Rain: Dry conditions.

Wind: Light and variable winds up to 10 km/h.

Swell: NW wave direction with height around 0.5 m.

Sunday

Rain: Dry conditions.

Wind: NE winds 10-20 km/h gusting to 30 km/h.

Swell: NNW wave direction with height increasing from 0.5 to 1.0 m.

Monday

Rain: Rain possible.

Wind: Northerly winds 20-30 km/h gusting to 70 km/h.

Swell: NNW wave direction with height 1.5-2.0 m.

Tuesday

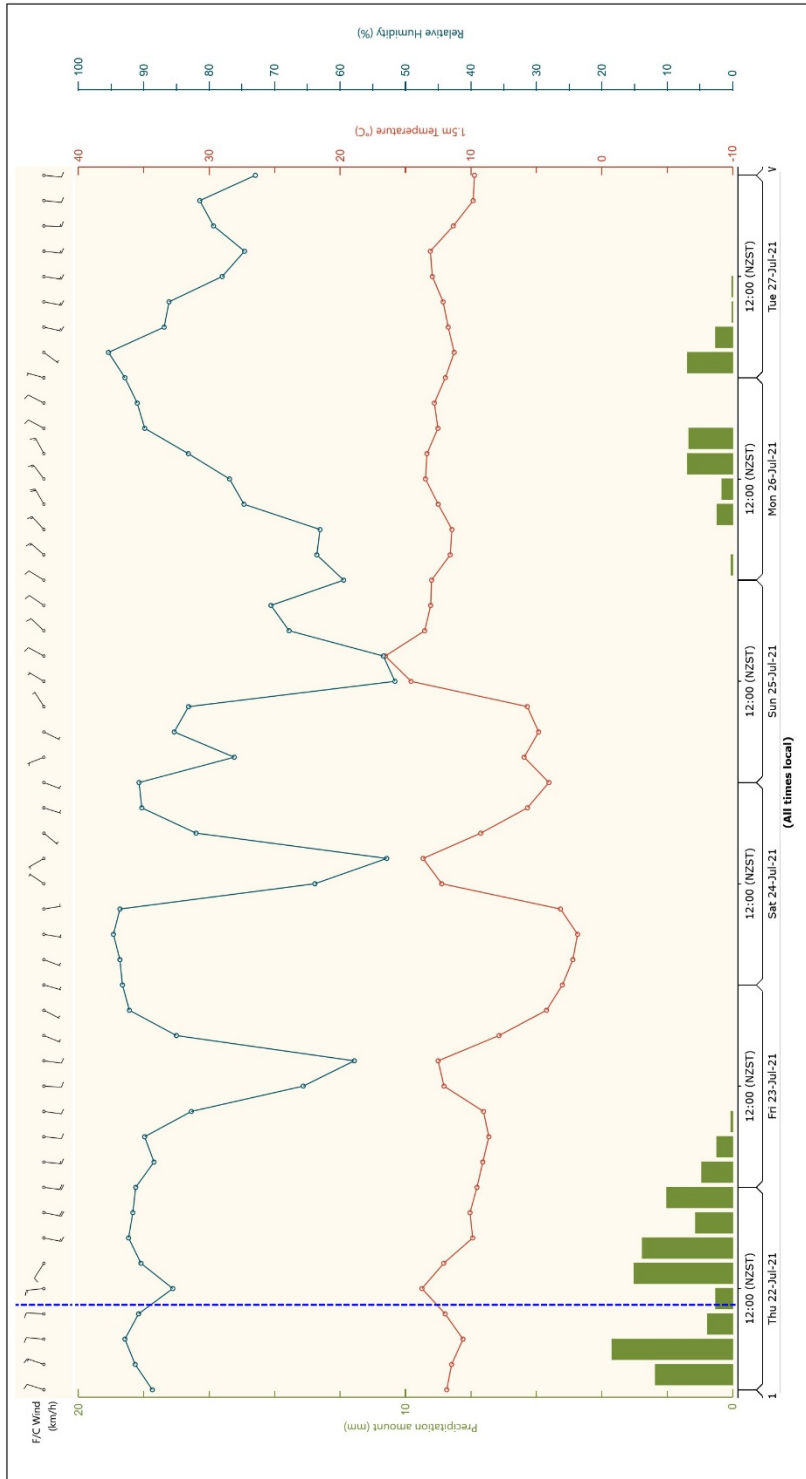
Rain: Showers possible.

Wind: Westerly winds 10-20 km/h gusting to 40 km/h.

Swell: NW wave direction with height around 2.0 m.

1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 - 1800 Fri 23 July 2021



Porirua, Elsdon Park Aws; 6-day forecast weather
 (Printed 22-Jul-2021 10:04)

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



Mana / Porirua Harbour Tides Timetable

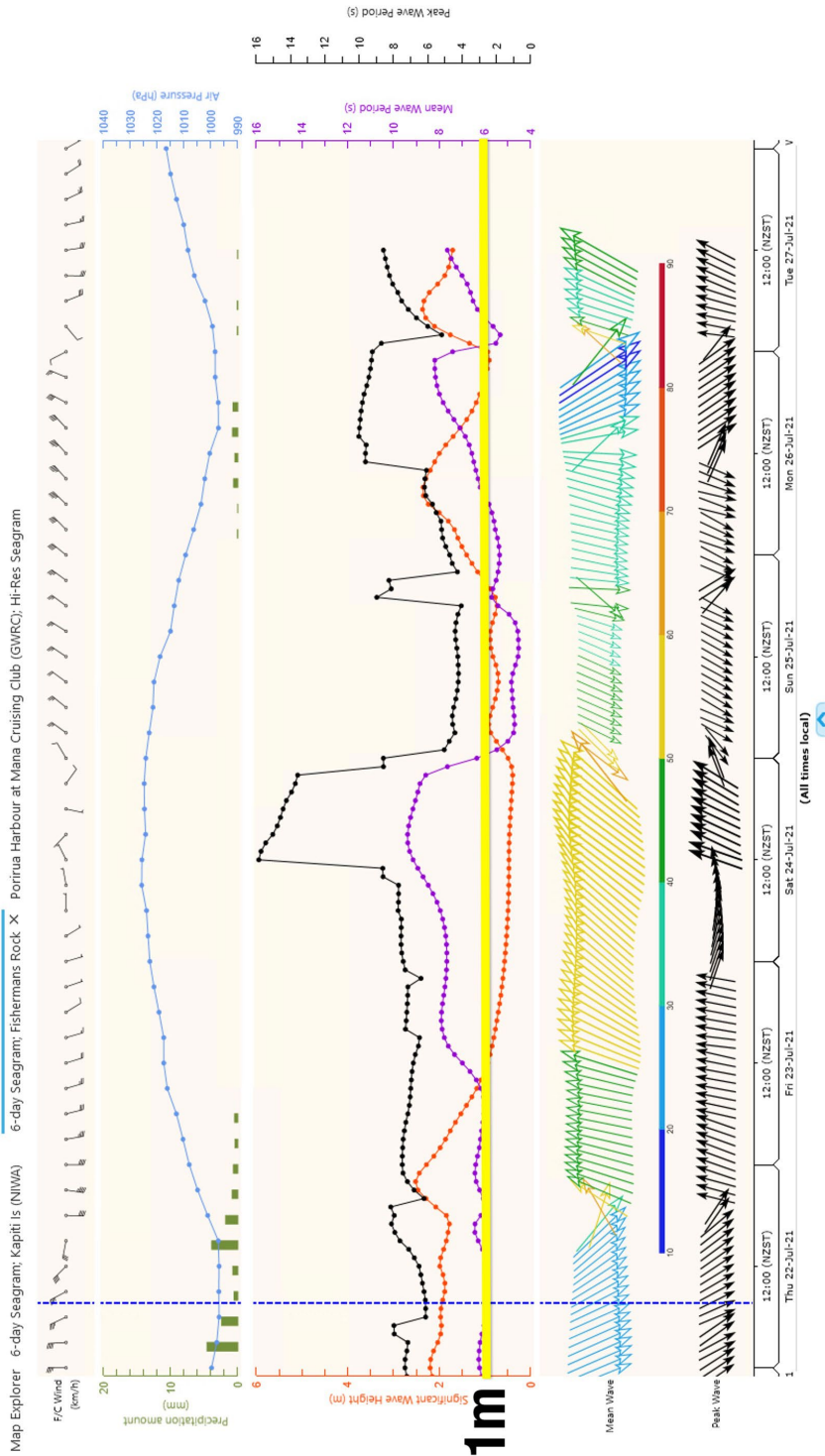
DATE	HIGH	LOW	HIGH	LOW	HIGH
THU 22 JUL	-	02:02 0.8m	08:15 1.5m	14:40 0.8m	20:51 1.5m
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m
SUN 25 JUL	-	04:23 0.6m	10:51 1.6m	17:06 0.6m	23:01 1.8m
MON 26 JUL	-	05:01 0.6m	11:33 1.6m	17:40 0.6m	23:38 1.8m
TUE 27 JUL	-	05:35 0.6m	12:12 1.6m	18:11 0.6m	-

1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Fri 23 July 2021

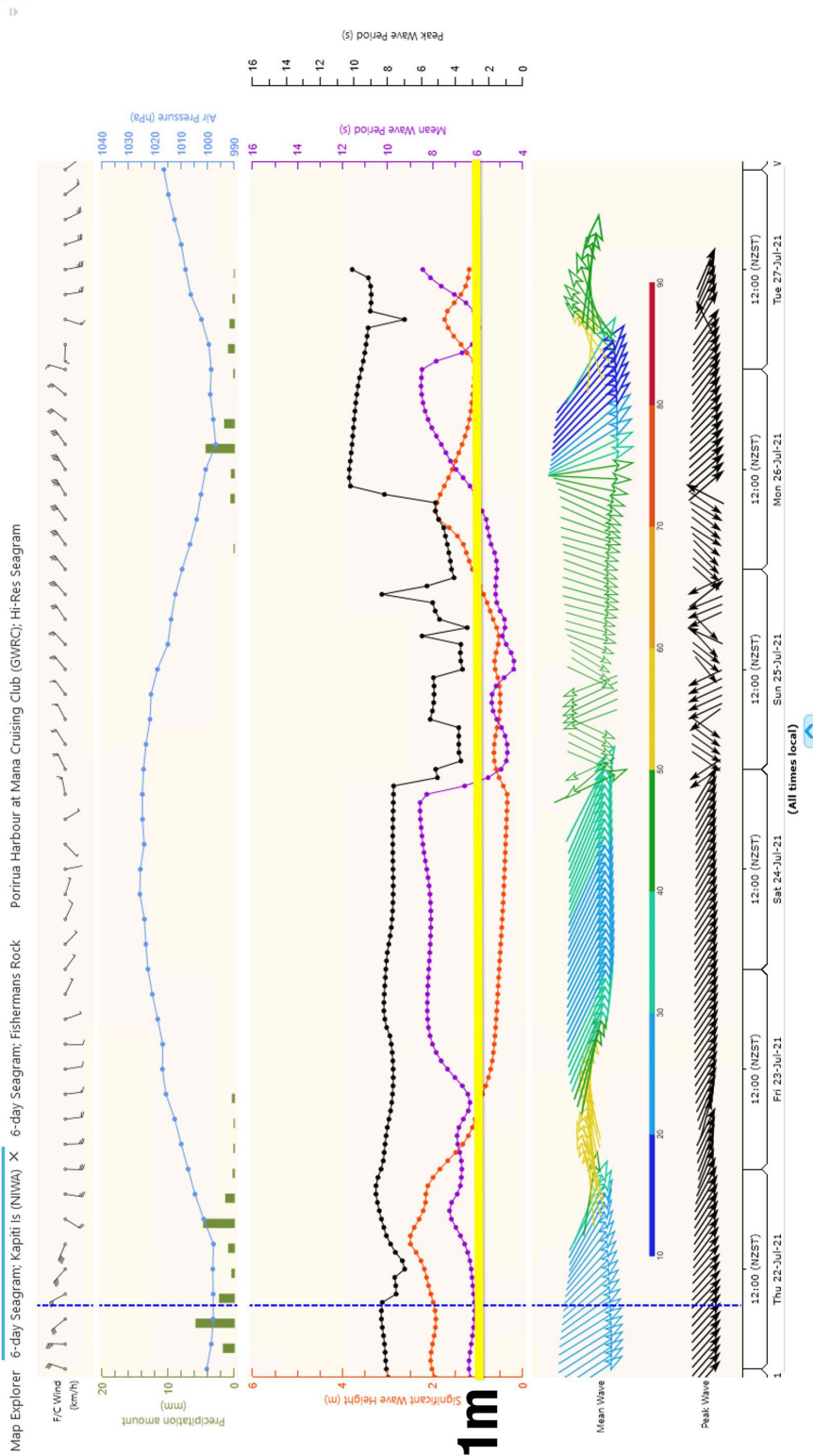
Seagrams

No 6-day seagram for Porirua proper have ones for Kapiti Island off to the north as well as Fishermans Rock, an exposed point out at sea. The Kapiti Island seagram should give you a good idea of the day-to-day variability of the wave patterns but overall is probably a little higher than what you'd expect to experience near Plimmerton. The Fishermans Rock location is exposed, so also somewhat higher than what you'd have at Plimmerton.



1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Fri 23 July 2021



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum
or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

General

Safety - Job Safety Assessment to be completed for all tasks.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/s

For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

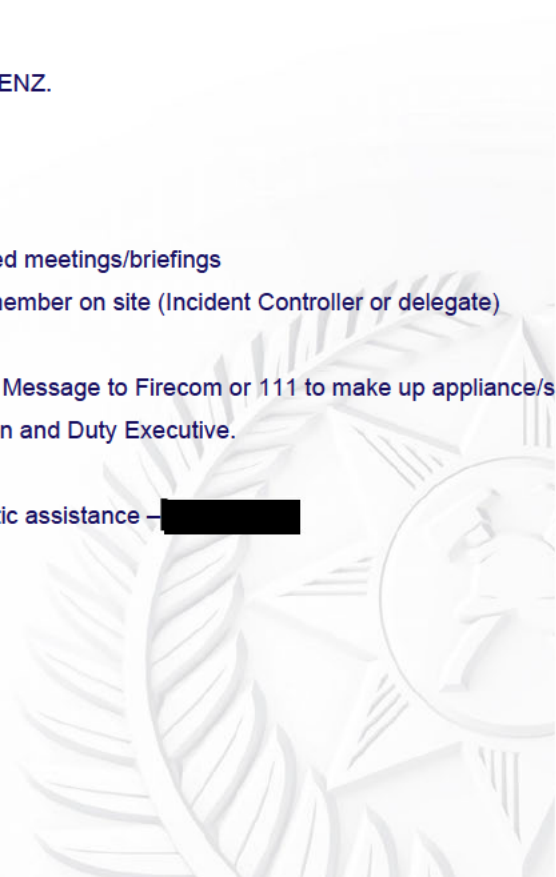
Rosters:

SSO [redacted] can be contacted or Roster and Logistic assistance – [redacted]

Issued 12:00 Saturday 17 July 2021



Carl Mills
Chief Fire Officer



Action Plan Safety Analysis	Operational Period:								Name of Event: Project Orca Calf Mana	
Analysis of Tactical Applications & other Risk Analysis	Location (by Sector/Div)								other Risk Mitigations and Special Instructions: Sector A; Reunification, Sector B Orca Management, Sector C Security, M is "Management"	
	A	B	C	D	E		M			
ENVIROMENT										
1) Weather	X	X					X			Work in good weather forecasting periods, appropriate PPE
2) Tide	X	X								Check Tides/weather
3) Swell	X	X								Job Safety Assessment,
OPERATIONS										
5) Handling Orca	X	X								Health & Safety Plan, Job Safety Assessment,
6) 24 hours operation	X	X								Health & Safety Plan, Job Safety Assessment,
7) Working at in the water	X	X								Health & Safety Plan, Job Safety Assessment,
TRANSPORT										
8) Helicopters	X									Health & Safety Plan, Job Safety Assessment, Pilot Briefing
9) Snorkelling/Diving	X	X								Health & Safety Plan, Job Safety Assessment,
10) Boats	X									Health & Safety Plan, Job Safety Assessment, Standard Fiordland boat procedures
11) Hiab's/Trucks	X	X								Approved drivers and operators, appropriate PPE
EQUIPMENT										
12) Generators, pumps heaters, pools		X								Approved operators guides & Standard Operating Procedures, Health & Safety Plan, Job Safety Assessment,
HUMAN FACTORS										
13) Tiredness/Fatigue	X	X					X			Supervisors ensure staff and volunteers are fresh and do not have exceeded there own capabilities, Health & Safety Plan, well fed, appropriate PPE
COMPLIANCE										
14) Managng visitors, volunteers and NGO's	X	X	X							Work in pairs, avoid confrontation, discretion, Security on site
Operations Manager: [REDACTED]								Safety: [REDACTED]		Date / Time: 22 July 2020

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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IAP Cover Sheet

Plimmerton Orca Calf

INCIDENT ACTION PLAN 8 23 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4
IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7
IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 Rev12
IAP 4 Plimmerton Orca Recovery for 20 July (prep 19 July) 2021 Rev 15
IAP 5 Plimmerton Orca Recovery for 21 July (prep 20 July) 2021 Rev 17
IAP 6 Plimmerton Orca Recovery for 22 July (prep 21 July) 2021 Rev 20
IAP 7 Plimmerton Orca Recovery for 23 July (prep 22 July) 2021 Rev 22
IAP 8 Plimmerton Orca Recovery for 24 July (prep 23 July) 2021 Rev 25

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- BOAT PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND SEAGRAMS**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Kirsty Prior		22 July 2021 1600 hr

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, World Wildlife Fund ,Fire and Rescue NZ and volunteers to save the animal. • The focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • DOC has contacted specialist veterinarians for managing the calf. • DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has occurred with taking blood and feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the Iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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<p>5. Actions taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf • Removed orca calf from the sea pen into the Para pool and established water refresh system supported by FENZ <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios • Major storm event across NZ. Plimmerton harbour filled with storm run off <p>Mon 19 July</p> <ul style="list-style-type: none"> • Sea pen restored and reinforced • Planning for Orca calf to be transported from pool to the sea pen. Decision taken not to do this. • Preparation for transport of orca back to its pod • Transition from FENZ to DOC for managing the pool water supply • Managing requests for equipment • Technical Advisory Group met to discuss outcome scenarios • Minister arrived on site at 2:00 pm • IMT planning transition with new team members • Ban on swimming in the Porirua harbour for 2 days from the Greater Wellington Council <p>Tue 20 July</p> <ul style="list-style-type: none"> • Orca calf stable (did have some colic overnight) • Decision to NOT relocate orca calf to sea pen on site due to concerns of water quality (from the recent wastewater) plus weather forecast that’s due to deteriorate for Wed pm and Thu all day) • Decision made to only reunify the calf with its natal pod. • Agreement reached on numbers of swimmers in the pool with the orca calf • Kapiti aero club and Lady Elizabeth followed up sightings off the South Coast of Wellington, pod not found. • More detailed planning for any transportation options, both land and sea <p>Wed 21 July</p> <ul style="list-style-type: none"> • Orca calf stable • Switch from freshwater to sea water recirculation overnight (orca calf appreciated it) • Sightings effort continued. Limited sightings today, mainly Tauranga • Upgrading safety and access security at site but still ‘soft’ rules with ongoing iwi, volunteers, boat club access • Animal ethics approvals sought as a contingency to tag orca calf on release • IMT structure has been modified to two sectors Land/shore-based management & Reunification • Meeting with vets – they will provide clearer consensus guidance tomorrow re human behaviour and presence in and around pool • Slightly elevated comments/interest at front gate and on social media re euthanasia and captivity arguments • High media interest off site

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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- OPEX is at least \$30,000
- Site Hazard board established at the ICP. This was introduced at the 4pm meeting on the 21st July. This will aid in the site inductions for DOC staff.

Thu 22 July

- The health of the orca calf is slightly compromised with an injury on its pectoral fins, a swollen eye and some lethargy. The vets have mentioned 'depression' and that the calf is not able to stretch out in the pool effectively.
- A site induction protocol has been implemented.
- A daily H&S meeting has been established with key volunteer and DOC points of contacts
- A STOP for Safety was called on the basis of water quality for our people and their safety.
- A daily site review will be completed by the H&S team.
- Moved the orca calf back to sea pen this evening (Completed by 6:30 pm) on the basis of the health of the calf, quality of the sea water, safety of the people is in planning for the relocation
- Relocation of the support caravans and lighting for the orca support team
- Only one sighting of an orca pod off the Brothers Island today. We've proactively contacted the Kapiti aero club asking them to put a plane up but the weather conditions weren't suitable
- Two media releases have been prepared <https://www.doc.govt.nz/news/media-releases/2021-media-releases/orca-update-1030am-thursday-22-july-2021/>
- Preparation is underway for a daily update (one-pager) to SLT and the Minister. The first iteration of this should be available tomorrow.
- Preparation is underway for a daily update to our people which will be published on the Intranet. Key messages will include asking them not to visit the area.

Friday 23 July

- Re-arranged the site security fences and tightened up the operational site.
- Hazard Plan for Divers (reunification plan) prepared [REDACTED]
- Two trespass forms have been prepared. Contact [REDACTED], Kirsty Prior or Jack Mace for access.
 - Private Landowner Trespass Authorisation Plimmerton Orca Response 2021: [REDACTED]
 - Trespass Notice - private land - Plimmerton Orca Response 2021: [REDACTED]
- Debriefed the shift of the orca calf from the pool to the sea-pen Thu 22 July [REDACTED]
- Met with representatives from iwi and the Orca Trust to review a Technical Options Paper covering different scenarios for the orca. A further meeting is scheduled for Saturday at 4pm to give the meeting attendees more time to digest the information and provide their views.
- A regular internal communications update is being prepared for publishing today and every day going forward.
- Two media releases have been prepared
- A total of 8 media enquiries have been received.

A pod was videoed off Raumati heading south. 2 fixed wing planes were initiated searching, and the DOC boat was deployed. The pod was not located. A 2nd pod was located at Owhiro Bay heading south. The sighting has not been validated

Processes have been established for

- Safely managing the return of Toa to the open sea environment
- Safely managing the public and visitors to the Plimmerton Boat Club

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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6. Factors
 As at 21 July, media interest has moved to concentrate on euthanasia. This is creating public concern at the site. Do social media monitoring this.

7. Predicted Incident Development

What are the likely future outcomes so we can plan for that

Scenario

- Initial approach is to maintain orca calf until its natal pod can be identified and the weather conditions are suitable to reunify orca calf to the pod.
- Establish three Sectors –
 - Prepare vehicles, boats and staff for deployment
 - Direct management of orca in pool or the Sea cage
 - Manage the sightings
- In case of death of the orca calf, the Hongoeka Marae will receive and manage him (Contacts [redacted] or [redacted])

Prepared by: Ian Angus	Date: 23 July	Time: 1600
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Incident Objectives

RF202

4. Objectives for specified Operational Period

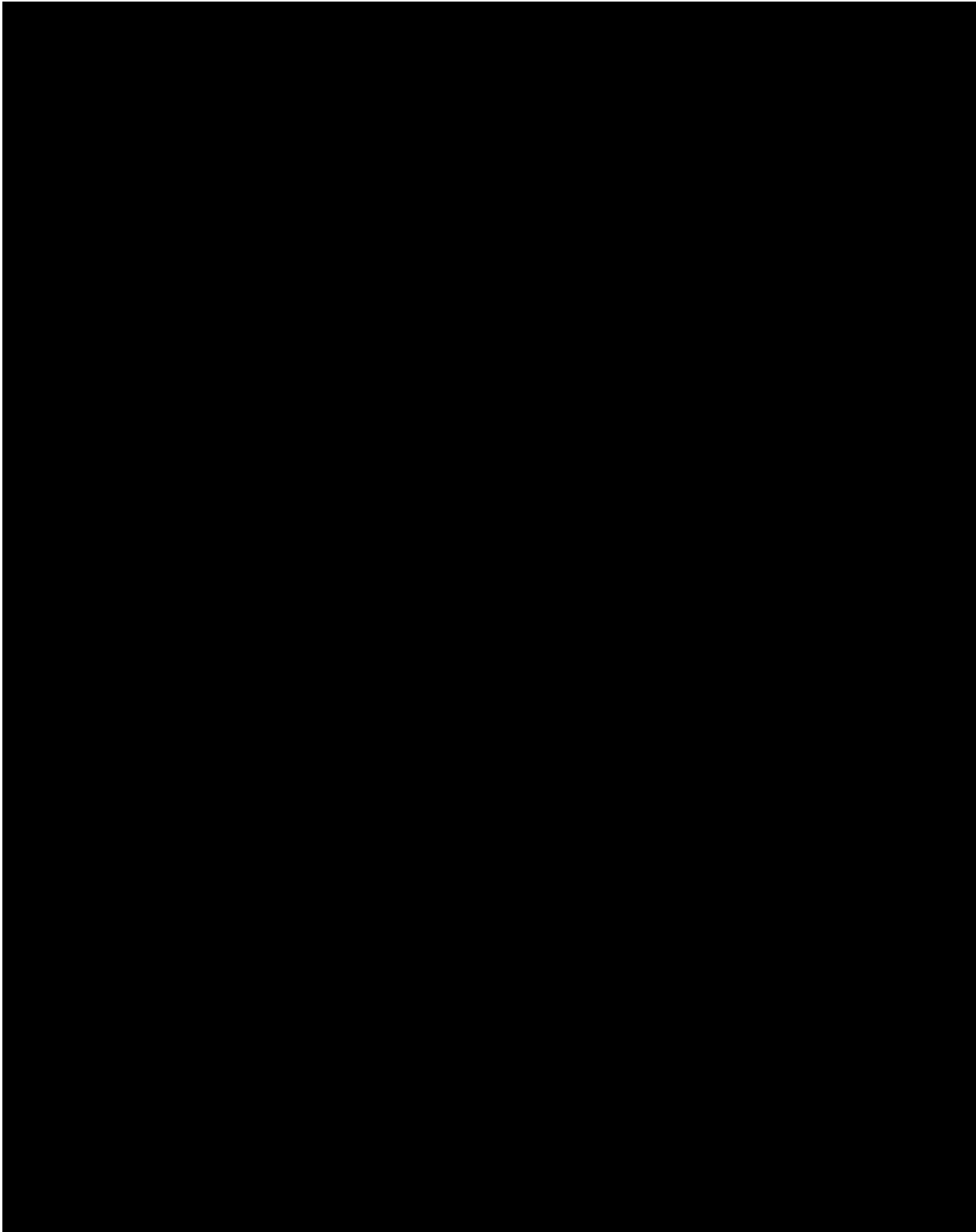
Purpose: To achieve the best practical outcome for “Toa” the orca calf

Objectives:

1. Maintain human life and safety – workers, volunteers and public and order
2. Maintain animal welfare
3. Actively search for orca pods within operational parameters

1. Incident Name
Plimmerton Orca
RecoveryRecovery

2. Operational Period – 0800 - 1800 Sat 24 July 2021



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Kirsty Prior (on call for night)-	[REDACTED]	
Information Officer	[REDACTED]	[REDACTED]	
Safety Officer	[REDACTED]	[REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED]	[REDACTED]	
	Back up [REDACTED]	[REDACTED]	
	OR [REDACTED]		
Agency	FENZ [REDACTED]	[REDACTED]	
	[REDACTED]	[REDACTED]	
Agency	WWF [REDACTED]	[REDACTED]	
Agency	Orca Research Trust	0800SEEORCA	
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	[REDACTED]	
Situations Unit	Kris Ramm	[REDACTED]	
	[REDACTED] (Vet)	[REDACTED]	
Security (Social)	Michael McCarthy (Support)	[REDACTED]	
	[REDACTED]	[REDACTED]	
6. Logistics Section		Cell Phone	Radio Ch
"Procurements and Contacts [REDACTED]			
Logistics Manager	Mike Sparrow	0210449093	
Supply Unit	Mike Sparrow	0210449093	
Finance Unit	[REDACTED]	[REDACTED]	
Facilities Unit	[REDACTED]	[REDACTED]	
Plimmerton Boating Club	[REDACTED]		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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7. Operations Section		Cell Phone	Radio Ch
Operations Manager	██████████ (on call for night)	██████████	
Deputy Operations Manager	██████████ (FENZ)	██████████	
Pump Staff (day)	██████████ ██████████ ██████████ (NZDF) Filtration support	██████████ ██████████ ██████████	
Pump staff (night)	██████████ ██████████	██████████ ██████████	
Sector A Supervisor	██████████	██████████	
	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	██████████ (WWF)	██████████	
Volunteer Management	██████	██████████	
Volunteer Management	██████	██████████	
Spotting management	██████████	██████████	
Reunification planning	██████████	██████████	
Sector C Supervisor	Recon Security	MOB: ██████████ DDI: ██████████	
	██████████		
Prepared by: Mike Sparrow		Date: 23 July	Time: 1600

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector A	4. Description Reunification planning and implementation			5. Division Assigned																			
6. Sector Supervisor																							
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Spotting management</td> <td style="background-color: black;">- (DOC</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Reunification Plan and implementation</td> <td style="background-color: black;"></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	Spotting management	- (DOC					Reunification Plan and implementation					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>																		
Spotting management	- (DOC																						
Reunification Plan and implementation																							
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Manage the boats sector (see Boat Plan below) Manage to “orca spotting and reporting” Aircraft on standby Boats, vehicles and lifting equipment on standby for possible Orca transportation Link to “Reunification Plan” [REDACTED] Sighting spreadsheet: [REDACTED] Sighting validation procedure: [REDACTED] 																							
Prepared by: [REDACTED]		Date: 23 July		Time: 1600																			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector B	4. Description Manage animal welfare			5. Division Assigned	
6. Sector Supervisor					
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>
Management of the pen area	Ingrid Visser				
Management of Volunteers					
8. Sector Assignment / Special Instructions Key Task Provide animal welfare to Toa <ul style="list-style-type: none"> Management of the pen area Volunteer coordination – See end of document for Volunteer Protocols 					
Prepared by: [REDACTED]			Date: 23 July	Time: 1600	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector C	4. Description Security			5. Division Assigned																			
6. Sector Supervisor																							
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop- off Point/ time</i></th> <th style="text-align: left;"><i>Pickup Point/ time</i></th> </tr> </thead> <tbody> <tr> <td>Recon Security</td> <td style="background-color: black;"></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/ time</i>	Recon Security											
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/ time</i>																		
Recon Security																							
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Provide security services to the Plimmerton Boating Club site RECON Security MOB XXXXXXXXXX																							
Prepared by: XXXXXXXXXX		Date: 23 July		Time: 1600																			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: ██████████			Date/Time 23 July 1600 hrs	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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1. Incident Name		2. Operational Period Date 21 July Time 0800-1800		RE-UNIFICATION PLAN	
3. Personnel and Communications					
Position		Name		Affiliation	Radio Chan
Sector Supervisor		[REDACTED]		DOC	[REDACTED]
4. Air Resource Assignments					
Pilot Name/ Company	Boat/Vehicle	Reg or Call sign	Assignment	Tactical Freq/Chan	Telephone Numbers
[REDACTED]	Mataara II	[REDACTED]		DOC Ch8	Onboard: Company:
[REDACTED]	Crista Marie	[REDACTED]		DOC Ch8	Onboard: Company:
O/C Maritime Unit craig.pickering [REDACTED] Backup - Maritime Unit (24/7)	Lady Elizabeth	[REDACTED]		DOC Ch8	
Rough Transport [REDACTED]	Hiab Truck	[REDACTED]			
5. Location of Filling Points/Service Areas					
Name			Grid Reference		
6. Safety Notes / Hazards / Radio Coverage Limitations					
See Link to "Reunification Plan" [REDACTED]					

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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7. Boat Operations Special Equip or Service

Possible operating staff on boats

MV Mataara –

Skipper x1 & Crew x1

Natural Heritage x2

Ngata toa x1

MV Krista Marie

Skipper x1 & Crew x2

Orca Society x4 Ingrid Visser, plus 1 [REDACTED]

SPA x1

Safety x1

Ngati Toa x1

Police Launch “Lady Elizabeth”

Has a crew of 4 and can take 8 passengers

Police Maritime Unit

O/C [REDACTED] [@police.govt.nz](mailto:[REDACTED]@police.govt.nz) [REDACTED]

The unit operates between 0600 – 2000 hours daily but are on call for emergencies outside of those hours. The on call number (24/7) is [REDACTED] (also the number in the event that [REDACTED] unavailable).

Police Event Number

The event number assigned to this is [REDACTED]

Use this number if there are any requests for Police assistance and in any correspondence being completed that may make its way to Police.

8. Prepared By: [REDACTED]	Date/Time 23 July 1200
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Safety Plan

RF209

1. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Limit electrical usage on external appliances

Vessel operating limits at discretion of skipper in enclosed waters

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Actions undertaken

- Discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols have been strengthened (22 Jul)
- Site now secure with limited access for the public
- Plimmerton Boat Club open to members this afternoon.
- DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend
- Site Hazard board established at the ICP on the 21st July. This will aid in the site inductions for DOC staff.
- A daily meeting has been established with key volunteer and DOC points of contacts. This is to discuss operations and any H&S points. This is held daily at 1000hrs
- A Site safety plan has been drafted and is being implemented for the overall site. This is now live and is being reviewed by our LNI H&S Rep.
- A daily site review will be completed by the H&S team. This will involve checking the site to ensure the H&S plan is being followed. Any concerns will be discussed through the Op’s Manager.
- H&S orca minutes are [REDACTED]
- Hazard Plan for Divers prepared [REDACTED]
- Two trespass forms have been prepared. Contact Kirsty Prior, [REDACTED] or Jack Mace for access.
 - Private Landowner Trespass Authorisation Plimmerton Orca Response 2021 [REDACTED]
 - Trespass Notice - private land - Plimmerton Orca Response 2021: [REDACTED]
-

Directives

- A site induction protocol has been prepared and is mandatory for any new staff or visitors that come onto the site.
- All H&S incidents are to be reported to the H&S Manager and logged into the system (Risk manager).
-

Concerns raised

- Electrical draw on external power needs to be monitored

National/Local Police Contacts

- The National Command and Control Centre (NCCC) can be contacted 24/7 on 04 817 0248.
- For local Police resources (Wellington/Porirua Police), they are deployed via the Wellington District Command Centre (DCC) – 24/7 on 04 381 2008.
- [REDACTED] – has been operating as the local contact (Porirua Community Section). If you couldn’t get hold o [REDACTED] or there was some urgent(ish) request for assistance, then it is best to call the DCC.

7. Prepared By: [REDACTED]	Date/Time 23 July 1500hrs
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period Date Time	MEDICAL PLAN RF206					
3. First Aid Station Name	Location	Phone/Radio Channel	Paramedics available at Station				
Plimmerton Medical Centre	10 Steyne Avenue, Plimmerton, Porirua 5026	(04) 233 8015					
Mana Medical Centre	107 Mana Esplanade Wellington	04-233 8019					
Pacific Health Service Porirua	Cannons Creek	04-237 9824					
4. Transportation Ambulance Service	Address	Phone/Radio Channel	Paramedics available with Ambulance				
St Johns		111	Yes				
5. Hospitals	Hospital Name	Address	Phone	Travel Time		Burn Unit	Heli Pad
				Road	Air		
Kenepuru	16 Hospital Drive, Kenepuru, Porirua 5022	04-385 5999	20 min				
Wellington Hospital	49 Riddiford Street, Newtown, Wellington 6021	04-385 5999	35 min	15			Yes
Hutt Hosital	638 High Street, Boulcott, Lower Hutt 5010	04-566 6999	38 min	15			
6. Special Emergency Procedures Contact Safety Advisor for any known hazards and incidents							
7. Prepared By: Michael Sparrow			Date/Time 23 July 1500hrs				
8. Reviewed by Safety Advisor: [REDACTED]			Date/Time 23 July 1600				

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Weather Forecast

Coastal Marine (Metservice)

NIWA Forecast for Plimmerton Prepared 0800 pm Fri 23 July 2021

Friday

Rain: Dry conditions.

Wind: Light south-southeasterly winds 5-10 km/h gusting up to 25 km/h.

Swell: NW wave direction with height decreasing to 0.5 m.

Saturday

Rain: Dry conditions.

Wind: Light and variable winds up to 10 km/h.

Swell: NW wave direction with height around 0.5 m.

Sunday

Rain: Dry conditions.

Wind: NE winds 10-20 km/h gusting to 30 km/h.

Swell: NNW wave direction with height increasing from 0.5 to 1.0 m.

Monday

Rain: Periods of rain likely.

Wind: NE winds 20-30 km/h gusting up to 60-70 km/h for a time.

Swell: NNW wave direction with height 1.5-2.0 m.

Tuesday

Rain: Scattered showers possible.

Wind: Westerly winds 10-20 km/h gusting to 40-50 km/h.

Swell: NW wave direction with height around 2.0 m.

Wednesday

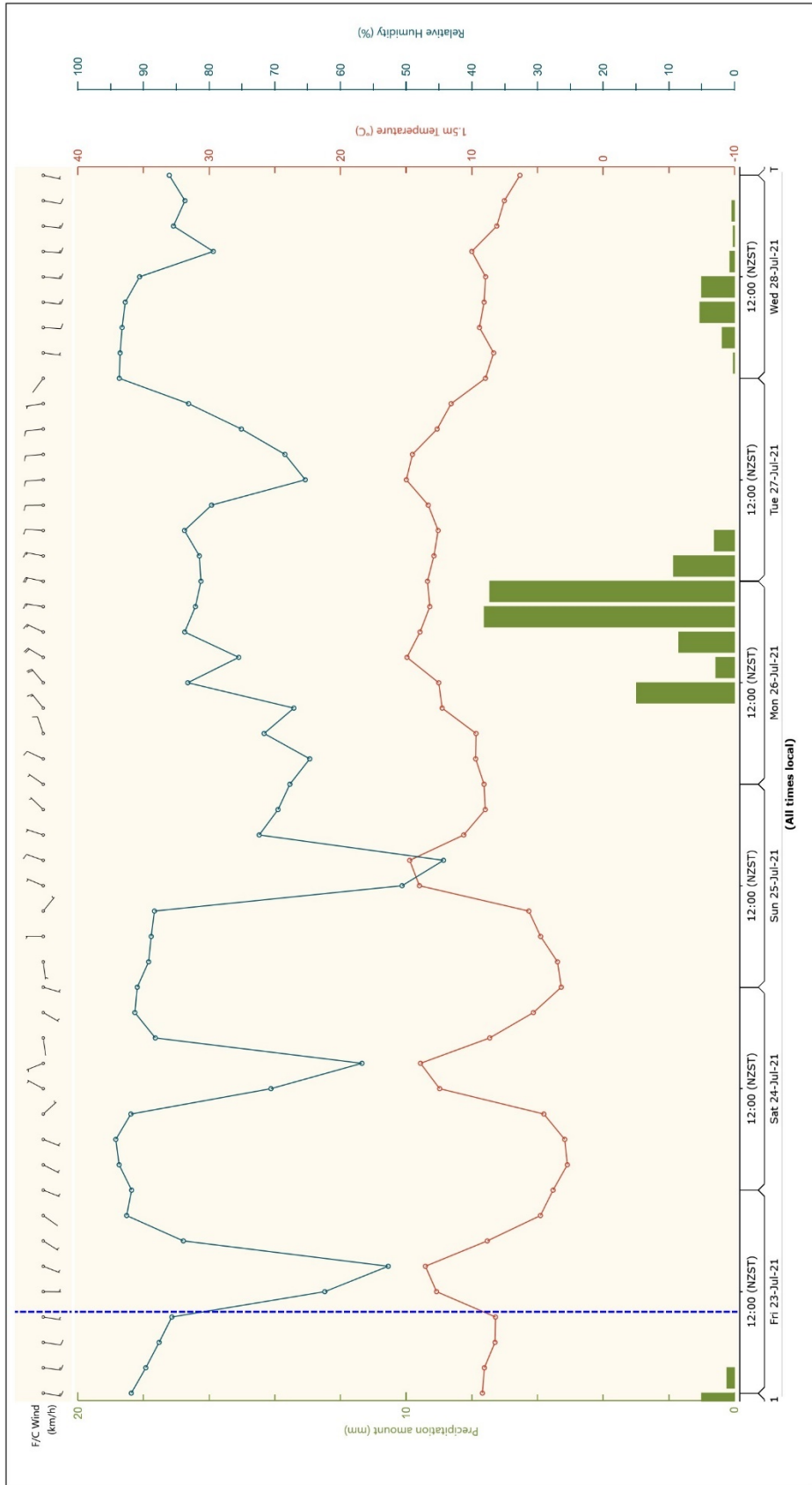
Rain: Scattered showers possible.

Wind: Westerly winds 10-15 km/h gusting to 35 km/h.

Swell: NW wave direction with height 1.0-1.5 m.

1. Incident Name
 Plimmerton Orca
 Recovery Recovery

2. Operational Period – 0800 - 1800 Sat 24 July 2021



Porirua, Elsdon Park Aws; 6-day forecast weather
 (Printed 23-Jul-2021 09:37)

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Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



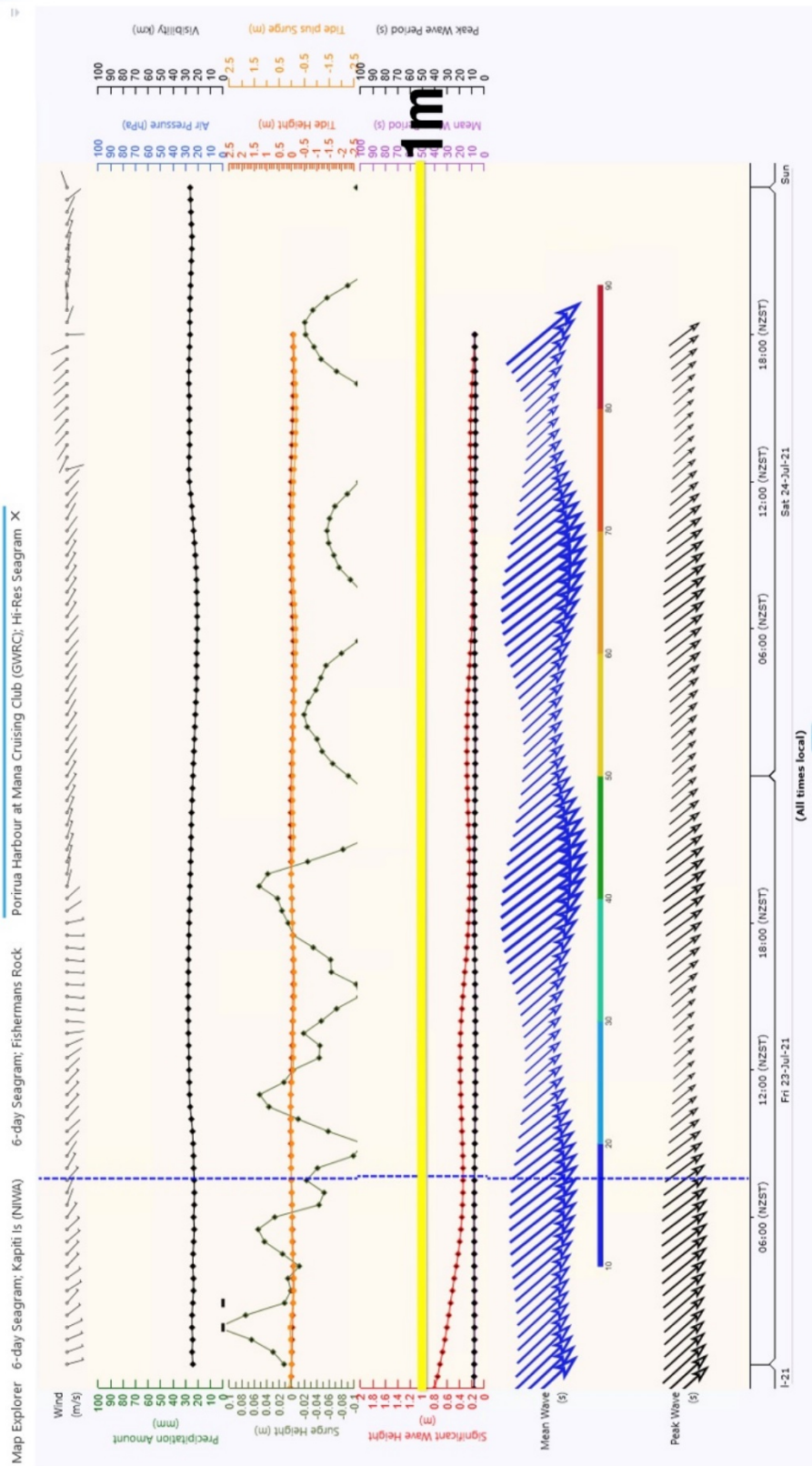
Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m
SUN 25 JUL	-	04:23 0.6m	10:51 1.6m	17:06 0.6m	23:01 1.8m
MON 26 JUL	-	05:01 0.6m	11:33 1.6m	17:40 0.6m	23:38 1.8m
TUE 27 JUL	-	05:35 0.6m	12:12 1.6m	18:11 0.6m	-
WED 28 JUL	00:13 1.7m	06:06 0.6m	12:48 1.6m	18:39 0.6m	-

1. Incident Name
**Plimmerton Orca
 Recovery**

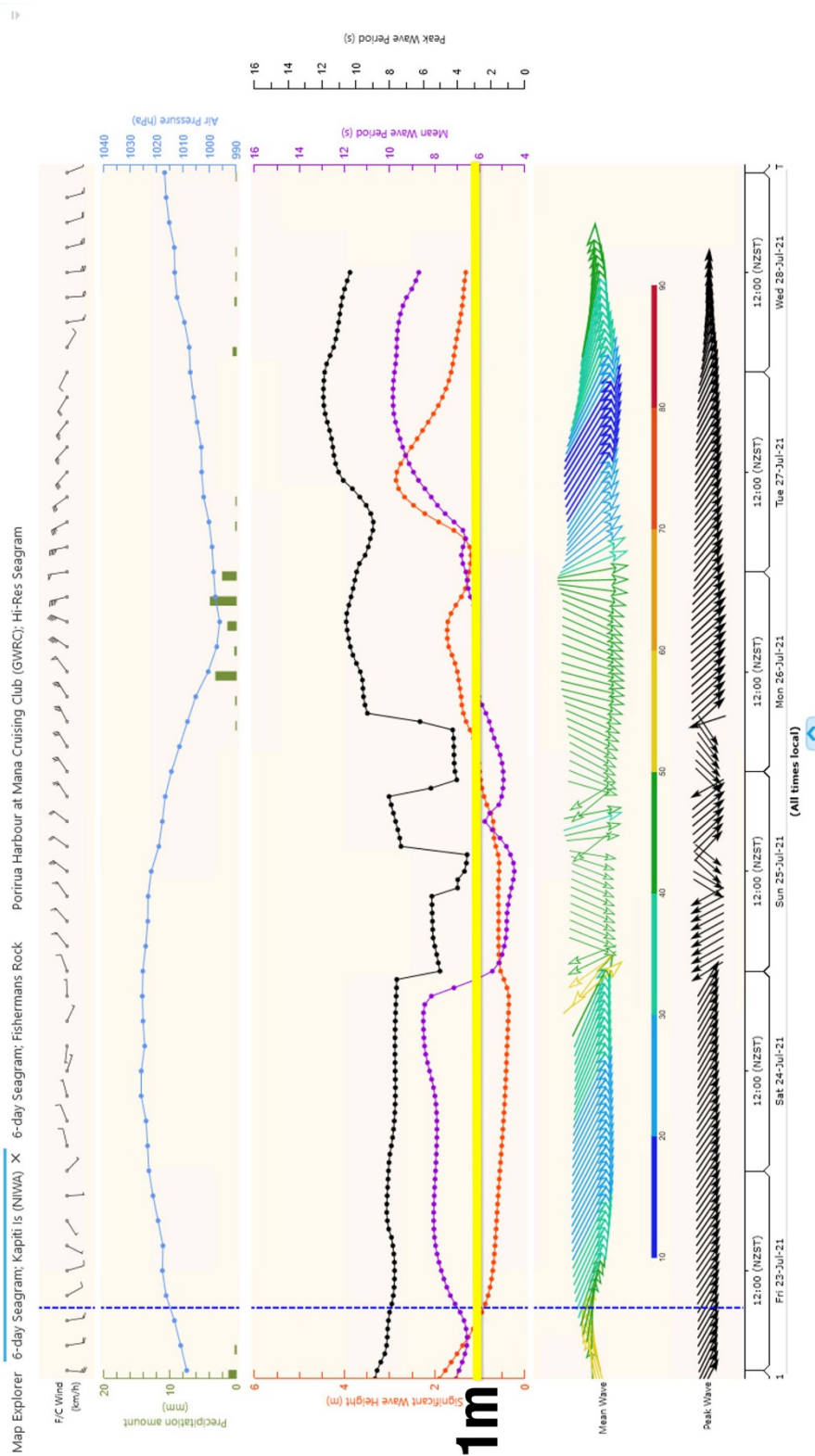
2. Operational Period – 0800 - 1800 Sat 24 July 2021

NIWA Forecast 48 hour high resolution model



1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Sat 24 July 2021



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

General

Safety - Job Safety Assessment to be completed for all tasks.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/s

For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

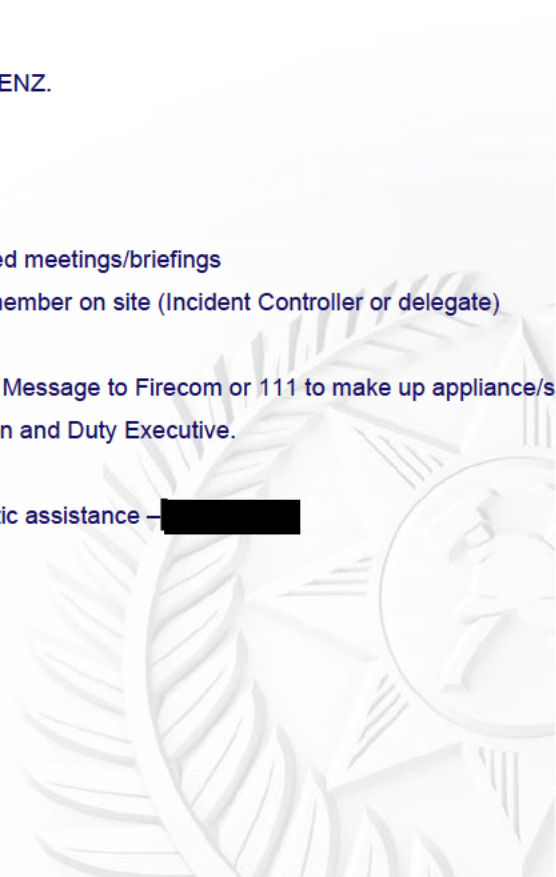
Rosters:

SSO [REDACTED] be contacted or Roster and Logistic assistance – [REDACTED]

Issued 12:00 Saturday 17 July 2021

[REDACTED]

Carl Mills
Chief Fire Officer



Action Plan Safety Analysis	Operational Period:								Name of Event: Project Orca Calf Mana	
Analysis of Tactical Applications & other Risk Analysis	Location (by Sector/Div)								other Risk Mitigations and Special Instructions: Sector A; Reunification, Sector B Orca Management, Sector C Security, M is "Management"	
	A	B	C	D	E		M			
ENVIROMENT										
1) Weather	X	X					X			Work in good weather forecasting periods, appropriate PPE
2) Tide	X	X								Check Tides/weather
3) Swell	X	X								Job Safety Assessment,
OPERATIONS										
5) Handling Orca	X	X								Health & Safety Plan, Job Safety Assessment,
6) 24 hours operation	X	X								Health & Safety Plan, Job Safety Assessment,
7) Working at in the water	X	X								Health & Safety Plan, Job Safety Assessment,
TRANSPORT										
8) Helicopters	X									Health & Safety Plan, Job Safety Assessment, Pilot Briefing
9) Snorkelling/Diving	X	X								Health & Safety Plan, Job Safety Assessment,
10) Boats	X									Health & Safety Plan, Job Safety Assessment, Standard Fiordland boat procedures
11) Hiab's/Trucks	X	X								Approved drivers and operators, appropriate PPE
EQUIPMENT										
12) Generators, pumps heaters, pools		X								Approved operators guides & Standard Operating Procedures, Health & Safety Plan, Job Safety Assessment,
HUMAN FACTORS										
13) Tiredness/Fatigue	X	X					X			Supervisors ensure staff and volunteers are fresh and do not have exceeded there own capabilities, Health & Safety Plan, well fed, appropriate PPE
COMPLIANCE										
14) Managing visitors, volunteers and NGO's	X	X	X							Work in pairs, avoid confrontation, discretion, Security on site
Operations Manager: [REDACTED]								Safety: [REDACTED]		Date / Time: 22 July 2020

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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IAP Cover Sheet

Plimmerton Orca Calf

CLOSEOUT INCIDENT ACTION PLAN 9 24 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4
IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7
IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 Rev12
IAP 4 Plimmerton Orca Recovery for 20 July (prep 19 July) 2021 Rev 15
IAP 5 Plimmerton Orca Recovery for 21 July (prep 20 July) 2021 Rev 17
IAP 6 Plimmerton Orca Recovery for 22 July (prep 21 July) 2021 Rev 20
IAP 7 Plimmerton Orca Recovery for 23 July (prep 22 July) 2021 Rev 22
IAP 8 Plimmerton Orca Recovery for 24 July (prep 23 July) 2021 Rev 25
NEW IAP 9 Includes Close out Notes for Plimmerton Orca Recovery for 24 July 2021
(prep 24 July) Rev 29

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- BOAT PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND SEAGRAMS**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Kirsty Prior		1500hr 24 July 2021

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, World Wildlife Fund ,Fire and Rescue NZ and volunteers to save the animal. • The focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • DOC has contacted specialist veterinarians for managing the calf. • DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has occurred with taking blood and feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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<p>5. Actions taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf • Removed orca calf from the sea pen into the Para pool and established water refresh system supported by FENZ <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios • Major storm event across NZ. Plimmerton harbour filled with storm run off <p>Mon 19 July</p> <ul style="list-style-type: none"> • Sea pen restored and reinforced • Planning for Orca calf to be transported from pool to the sea pen. Decision taken not to do this. • Preparation for transport of orca back to its pod • Transition from FENZ to DOC for managing the pool water supply • Managing requests for equipment • Technical Advisory Group met to discuss outcome scenarios • Minister arrived on site at 2:00 pm • IMT planning transition with new team members • Ban on swimming in the Porirua harbour for 2 days from the Greater Wellington Council <p>Tue 20 July</p> <ul style="list-style-type: none"> • Orca calf stable (did have some colic overnight) • Decision to NOT relocate orca calf to sea pen on site due to concerns of water quality (from the recent wastewater) plus weather forecast that’s due to deteriorate for Wed pm and Thu all day) • Decision made to only reunify the calf with its natal pod. • Agreement reached on numbers of swimmers in the pool with the orca calf • Kapiti aero club and Lady Elizabeth followed up sightings off the South Coast of Wellington, pod not found. • More detailed planning for any transportation options, both land and sea <p>Wed 21 July</p> <ul style="list-style-type: none"> • Orca calf stable • Switch from freshwater to sea water recirculation overnight (orca calf appreciated it) • Sightings effort continued. Limited sightings today, mainly Tauranga • Upgrading safety and access security at site but still ‘soft’ rules with ongoing iwi, volunteers, boat club access • Animal ethics approvals sought as a contingency to tag orca calf on release • IMT structure has been modified to two sectors Land/shore-based management & Reunification • Meeting with vets – they will provide clearer consensus guidance tomorrow re human behaviour and presence in and around pool • Slightly elevated comments/interest at front gate and on social media re euthanasia and captivity arguments • High media interest off site

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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- OPEX is at least \$30,000
- Site Hazard board established at the ICP. This was introduced at the 4pm meeting on the 21st July. This will aid in the site inductions for DOC staff.

Thu 22 July

- The health of the orca calf is slightly compromised with an injury on its pectoral fins, a swollen eye and some lethargy. The vets have mentioned ‘depression’ and that the calf is not able to stretch out in the pool effectively.
- A site induction protocol has been implemented.
- A daily H&S meeting has been established with key volunteer and DOC points of contacts
- A STOP for Safety was called on the basis of water quality for our people and their safety.
- A daily site review will be completed by the H&S team.
- Moved the orca calf back to sea pen this evening (Completed by 6:30 pm) on the basis of the health of the calf, quality of the sea water, safety of the people is in planning for the relocation
- Relocation of the support caravans and lighting for the orca support team
- Only one sighting of an orca pod off the Brothers Island today. We’ve proactively contacted the Kapiti aero club asking them to put a plane up but the weather conditions weren’t suitable
- Two media releases have been prepared <https://www.doc.govt.nz/news/media-releases/2021-media-releases/orca-update-1030am-thursday-22-july-2021/>
- Preparation is underway for a daily update (one-pager) to SLT and the Minister. The first iteration of this should be available tomorrow.
- Preparation is underway for a daily update to our people which will be published on the Intranet. Key messages will include asking them not to visit the area.

Friday 23 July

- Re-arranged the site security fences and tightened up the operational site.
- Hazard Plan for Divers (reunification plan) prepared [REDACTED]
- Two trespass forms have been prepared. Contact [REDACTED], Kirsty Prior or Jack Mace for access.
 - Private Landowner Trespass Authorisation Plimmerton Orca Response 2021: [REDACTED]
 - Trespass Notice - private land - Plimmerton Orca Response 2021: [REDACTED]
- Debriefed the shift of the orca calf from the pool to the sea-pen Thu 22 July [REDACTED]
- Met with representatives from iwi and the Orca Trust to review a Technical Options Paper covering different scenarios for the orca. A further meeting is scheduled for Saturday at 4pm to give the meeting attendees more time to digest the information and provide their views.
- A regular internal communications update is being prepared for publishing today and every day going forward.
- Two media releases have been prepared.
- A total of 8 media enquiries have been received.
- A pod was videoed off Raumati heading south. 2 fixed wing planes initiated searching, and the DOC boat was deployed. The pod was not located. A 2nd pod was located at Owhiro Bay heading south. The sighting has not been validated

Addition from 1600

- Orca noted by care team to “suddenly” be not swimming interpreted by care team as “tired” due to lots of activity for the previous 24 hours following move back to the sea pen. Reported as “sinking to the bottom” and needing to be lifted and supported.
- Lydia checked at 1615 – agreed the animal needed supporting as unable to maintain bouyancy. Elected to order “pool noodles” (Ingrid recommendation, supported by Lydia – recognised method of supporting an animal that can not maintain it’s own bouyancy) to provide support without the need for people to continually hold the animals.
- Orca bouyancy was assisted with “pool noodle” bouyancy aids from approximately 1800.

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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- Orca reported by the care team to have laboured breathing to incident controller who immediately requested the DOC vet who was the only vet onsite.
- Vet attended immediately. Breathing extremely laboured and prognosis grim. Animal having to be supported by approx. 6 people at this stage. No active movement from the animal.
- Ingrid called the close contacts of the animal from the past 12 days to tell them to come say goodbye.
- The option of sedation was discussed with Ingrid and Iwi but decided against as animal was not in distress and probably minimally conscious already at that stage so no welfare concerns.
- Sedation drugs were however brought pool side and plan reviewed in case sedation was required.
- Euthanasia was discussed but the option was also decided against for same reasons as above
- Orca calf died approx. 2015. Following karakia it was removed from the seapen and placed in a covered trailer and secured over night.
- Reported on social media sites (external to DOC) and responses managed by DOC Comms
- Media contacted DOC immediately and a release was drafted, approved on sent to media around 10pm reporting the death and the steps to be taken. No interviews done.
- Media releases
 - Friday morning 11am [orca-update-1100am-friday-23-july-2021/](#)
 - Friday 5pm [orca-update-500pm-friday-23-july-2021/](#)
- ICP closed down by 3:30 pm

Saturday 24

- 0600 farewell ceremony for the orca calf at Plimmerton Boating Club and attended by more than 65 people –led by Ngati Toa and attended by volunteers, members of the community, Whale Rescue Org and DOC staff.
- Media release sent out by DOC media staff around 8am and Ian Angus did a number of phone interviews and an on camera interview with Newshub. Media@doc.govt.nz will deal with any follow up requests after midday.
- The Orca calf was then taken away by iwi for a private burial.
- IMT managing the stand down of the ICP and site.
- Debriefs
 - Hot debrief for the staff on site 24 July 1215 – 1315 (NOTES TO COME FROM [REDACTED])
 - Planning for DOC & Partners debrief possibly Thu 29 July. Include Ngati Toa, Whale Rescue, Orca Trust, WWF, FENZ, Plimmerton VFB, Wellington Vets, DOC
 - TAG debrief
 - DOC internal debrief
- Media releases
 - Saturday 8am [orca-calf-toa-farewelled-with-dawn-ceremony/](#)

[REDACTED]



[REDACTED]

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Processes have been established for

- Safely managing the public and visitors to the Plimmerton Boat Club
- Demobilisation of the ICP at the Plimmerton Boating Club

7. Predicted Incident Development

What are the likely future outcomes so we can plan for that

- Debriefs planned
 - Hot debrief for the staff on site 24 July
 - Planning for DOC & Partners debrief possibly Thu 29 July. Include Ngati Toa, Whale Rescue, Orca Trust, WWF, FENZ, Wellington Vets
 - TAG Debrief
 - DOC internal debrief

Prepared by: Ian Angus	Date: 24 July	Time: 1500
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Incident Objectives

RF202

4. Objectives for specified Operational Period

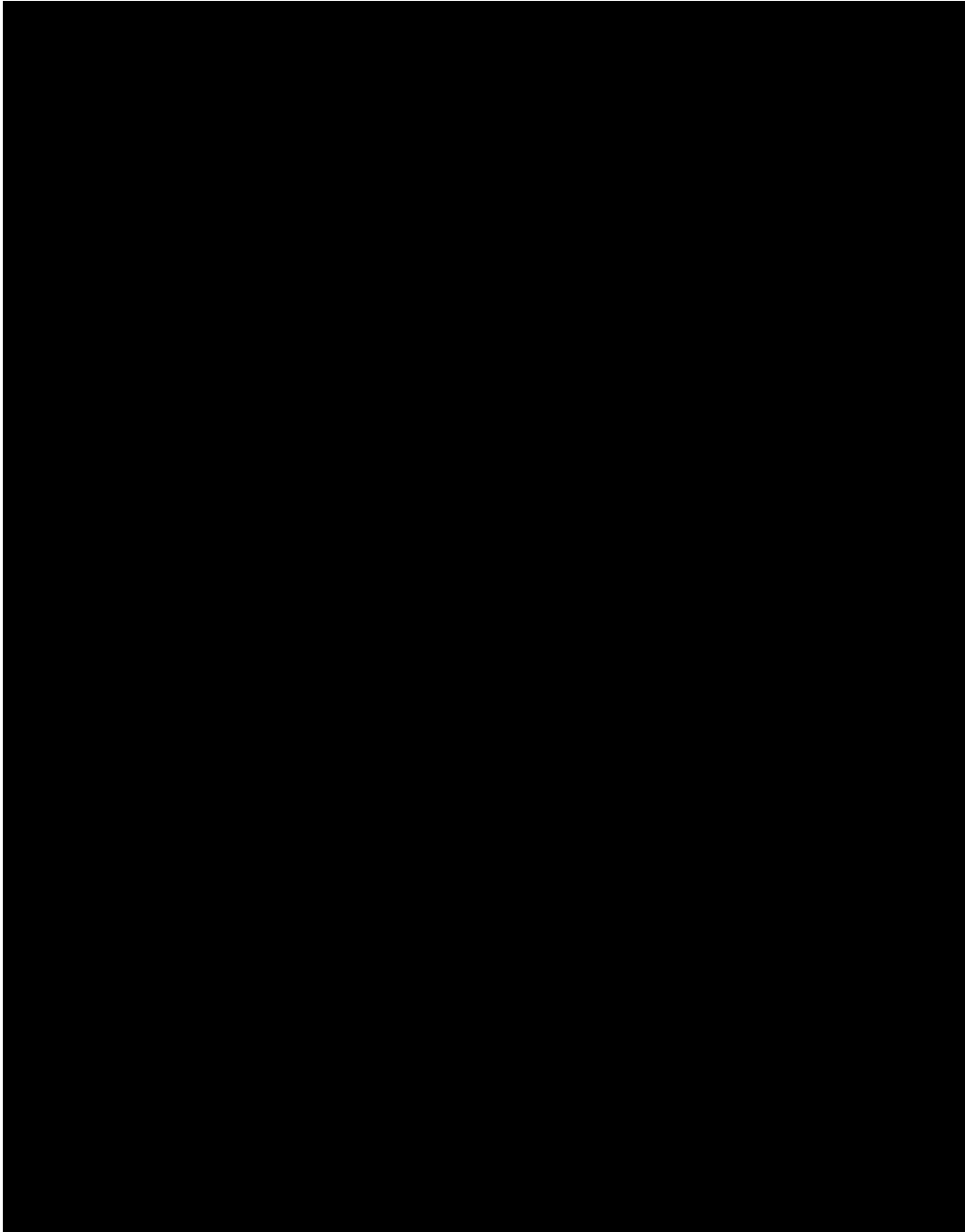
Purpose: To demobilise the ICP and restore the Plimmerton Boating Club site to normal operations

Objectives:

1. Maintain human life, wellbeing and safety for workers, volunteers and public.
2. Restore the Plimmerton Boating Club site to normal operations

1. Incident Name
Plimmerton Orca
RecoveryRecovery

2. Operational Period – 0800 - 1800 Sat 24 July 2021



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Kirsty Prior (on call for night)-	[REDACTED]	
Information Officer	[REDACTED]	[REDACTED]	
Safety Officer	[REDACTED]	[REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED]	[REDACTED]	
	Back up [REDACTED]	[REDACTED]	
	OR [REDACTED]		
Agency	FENZ [REDACTED]	[REDACTED]	
	[REDACTED]	[REDACTED]	
Agency	WWF [REDACTED]	[REDACTED]	
Agency	Orca Research Trust	0800SEEORCA	
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	[REDACTED]	
Situations Unit	Kris Ramm	[REDACTED]	
	[REDACTED] (Vet)	[REDACTED]	
Security (Social)	Michael McCarthy (Support)	[REDACTED]	
	[REDACTED]	[REDACTED]	
6. Logistics Section		Cell Phone	Radio Ch
"Procurements and Contacts [REDACTED]			
Logistics Manager	Mike Sparrow	[REDACTED]	
Supply Unit	Mike Sparrow	[REDACTED]	
Finance Unit	[REDACTED]	[REDACTED]	
Facilities Unit	[REDACTED]	[REDACTED]	
Plimmerton Boating Club	[REDACTED]		

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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7. Operations Section		Cell Phone	Radio Ch
Operations Manager	[REDACTED] (on call for night)	[REDACTED]	
Deputy Operations Manager	[REDACTED] (FENZ Porirua VFB)	[REDACTED]	
Pump Staff (day)	[REDACTED] [REDACTED] [REDACTED] (NZDF) Filtration support	[REDACTED] [REDACTED] [REDACTED]	
Pump staff (night)	[REDACTED] [REDACTED]	[REDACTED] [REDACTED]	
Sector A Supervisor	[REDACTED]	[REDACTED]	
	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	[REDACTED] (WWF)	[REDACTED]	
Volunteer Management	[REDACTED]	[REDACTED]	
Volunteer Management	[REDACTED]	[REDACTED]	
Spotting management			
Reunification planning	[REDACTED]	[REDACTED]	
Sector C Supervisor	Recon Security [REDACTED]	[REDACTED] [REDACTED]	
Prepared by: Mike Sparrow	Date: 24 July	Time: 1500	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector A (Follow up required)	4. Description Reunification planning and implementation		5. Division Assigned		
6. Sector Supervisor	[REDACTED]	[REDACTED]			
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>
Spotting management	[REDACTED] – (DOC)				
Reunification Plan and implementation	[REDACTED]				
8. Sector Assignment / Special Instructions					
<ul style="list-style-type: none"> • Manage the boats sector (see Boat Plan below) • Manage to “orca spotting and reporting” • Aircraft on standby • Boats, vehicles and lifting equipment on standby for possible Orca transportation • Link to “Reunification Plan” [REDACTED] (See Rev 10) • Learning from Reunification planning [REDACTED] • Sighting spreadsheet: [REDACTED] • Sighting validation procedure: [REDACTED] • Draft euthanasia plan [REDACTED] 					
Prepared by: [REDACTED]			Date: 24 July	Time: 1500	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector B CLOSED	4. Description Manage animal welfare			5. Division Assigned																															
6. Sector Supervisor																																			
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop-off Point/time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Management of the pen area</td> <td>Ingrid Visser</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Management of Volunteers</td> <td style="background-color: black;"></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	Management of the pen area	Ingrid Visser					Management of Volunteers																	
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>																														
Management of the pen area	Ingrid Visser																																		
Management of Volunteers																																			
8. Sector Assignment / Special Instructions Key Task Provide animal welfare to Toa <ul style="list-style-type: none"> Management of the pen area Volunteer coordination – See end of document for Volunteer Protocols 																																			
Prepared by: [REDACTED]			Date: 24 July	Time: 1500																															

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector C (ACTIVE)	4. Description Security		5. Division Assigned																				
6. Sector Supervisor																							
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop- off Point/ time</i></th> <th style="text-align: left;"><i>Pickup Point/time</i></th> </tr> </thead> <tbody> <tr> <td>Recon Security</td> <td style="background-color: black;"></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>	Recon Security											
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>																		
Recon Security																							
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Provide security services to the Plimmerton Boating Club site RECON Security XXXXXXXXXX																							
Prepared by: XXXXXXXXXX		Date: 24 July		Time: 1500																			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: ██████████			Date/Time 24 July 1500 hrs	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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1. Incident Name (CLOSED)		2. Operational Period Date 21 July Time 0800-1800		RE-UNIFICATION PLAN	
3. Personnel and Communications					
Position		Name		Affiliation	Radio Chan
Sector Supervisor		[REDACTED]		DOC	[REDACTED]
4. Air Resource Assignments					
Pilot Name/ Company	Boat/Vehicle	Reg or Call sign	Assignment	Tactical Freq/Chan	Telephone Numbers
[REDACTED]	Mataara II	[REDACTED]		DOC Ch8	Onboard: Company:
[REDACTED]	Crista Marie	[REDACTED]		DOC Ch8	Onboard: Company:
O/C Maritime Unit [REDACTED]@police.govt.nz Backup - Maritime Unit (24/7)	Lady Elizabeth	[REDACTED]		DOC Ch8	
Rough Transport [REDACTED]	Hiab Truck	[REDACTED]			
5. Location of Filling Points/Service Areas					
Name			Grid Reference		
6. Safety Notes / Hazards / Radio Coverage Limitations					
See Link to "Reunification Plan" [REDACTED]					

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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7. Boat Operations Special Equip or Service

Possible operating staff on boats

MV Mataara –

- Skipper x1 & Crew x1
- Natural Heritage x2
- Ngata toa x1

MV Krista Marie

- Skipper x1 & Crew x2
- Orca Society x4 Ingrid Visser, plus 1, [REDACTED]
- SPA x1
- Safety x1
- Ngati Toa x1

Police Launch “Lady Elizabeth”

Has a crew of 4 and can take 8 passengers

Police Maritime Unit

O/C [REDACTED] [@police.govt.nz](mailto:[REDACTED]@police.govt.nz) [REDACTED]

The unit operates between 0600 – 2000 hours daily but are on call for emergencies outside of those hours. The on call number (24/7) is [REDACTED] (also the number in the event that [REDACTED] is unavailable).

Police Event Number

The event number assigned to this is [REDACTED]

Use this number if there are any requests for Police assistance and in any correspondence being completed that may make its way to Police.

8. Prepared By: [REDACTED]	Date/Time 24 July 1500
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Safety Plan

RF209

1. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Limit electrical usage on external appliances

Vessel operating limits at discretion of skipper in enclosed waters

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Actions undertaken

- Discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols have been strengthened (22 Jul)
- Site now secure with limited access for the public
- Plimmerton Boat Club open to members this afternoon.
- DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend
- Site Hazard board established at the ICP on the 21st July. This will aid in the site inductions for DOC staff.
- A daily meeting has been established with key volunteer and DOC points of contacts. This is to discuss operations and any H&S points. This is held daily at 1000hrs
- A Site safety plan has been drafted and is being implemented for the overall site. This is now live and is being reviewed by our LNI H&S Rep.
- A daily site review will be completed by the H&S team. This will involve checking the site to ensure the H&S plan is being followed. Any concerns will be discussed through the Op’s Manager.
- H&S orca minutes are [REDACTED]
- Hazard Plan for Divers prepared [REDACTED]
- Two trespass forms have been prepared. Contact Kirsty Prior, [REDACTED] or Jack Mace for access.
 - Private Landowner Trespass Authorisation Plimmerton Orca Response 2021: [REDACTED] [Z](#)
 - Trespass Notice - private land - Plimmerton Orca Response 2021: [REDACTED]
- Security SITREP Orca Recovery [REDACTED]
- Security Guard Briefing [REDACTED]
- Plimmerton Orca Rescue – Technical Options Meeting Minutes 22 Ju [REDACTED]

Directives

- A site induction protocol has been prepared and is mandatory for any new staff or visitors that come onto the site.
- All H&S incidents are to be reported to the H&S Manager and logged into the system (Risk manager).

Concerns raised

- Electrical draw on external power needs to be monitored

National/Local Police Contacts

- The National Command and Control Centre (NCCC) can be contacted 24/7 on [04 817 0248](tel:048170248).
- For local Police resources (Wellington/Porirua Police), they are deployed via the Wellington District Command Centre (DCC) – 24/7 on [04 381 2008](tel:043812008).
- [REDACTED] – has been operating as the local contact (Porirua Community Section). If you couldn’t get hold of [REDACTED] or there was some urgent(ish) request for assistance, then it is best to call the DCC.

7. Prepared By: [REDACTED]	Date/Time 23 July 1500hrs
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period Date Time	MEDICAL PLAN RF206				
3. First Aid Station		Phone/Radio Channel	Paramedics available at Station			
Name	Location					
Plimmerton Medical Centre	10 Steyne Avenue, Plimmerton, Porirua 5026	(04) 233 8015				
Mana Medical Centre	107 Mana EsplanadeWellingto	04-233 8019				
Pacific Health Service Porirua	Cannons Creek	04-237 9824				
4. Transportation		Phone/Radio Channel	Paramedics available with Ambulance			
Ambulance Service	Address					
St Johns		111	Yes			
5. Hospitals		Phone	Travel Time		Burn Unit	Heli Pad
Hospital Name	Address		Road	Air		
Kenepuru	16 Hospital Drive, Kenepuru, Porirua 5022	04-385 5999	20 min			
Wellington Hospital	49 Riddiford Street, Newtown, Wellington 6021	04-385 5999	35 min	15		Yes
Hutt Hosital	638 High Street, Boulcott, Lower Hutt 5010	04-566 6999	38 min	15		
6. Special Emergency Procedures						
Contact Safety Advisor for any known hazards and incidents						
7. Prepared By: Michael Sparrow			Date/Time 24 July 1500hrs			
8. Reviewed by Safety Advisor: [REDACTED]			Date/Time 24 July 1500			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Weather Forecast

Coastal Marine (Metservice)

NIWA Forecast for Plimmerton Prepared 0800 pm Fri 23 July 2021

Friday

Rain: Dry conditions.

Wind: Light south-southeasterly winds 5-10 km/h gusting up to 25 km/h.

Swell: NW wave direction with height decreasing to 0.5 m.

Saturday

Rain: Dry conditions.

Wind: Light and variable winds up to 10 km/h.

Swell: NW wave direction with height around 0.5 m.

Sunday

Rain: Dry conditions.

Wind: NE winds 10-20 km/h gusting to 30 km/h.

Swell: NNW wave direction with height increasing from 0.5 to 1.0 m.

Monday

Rain: Periods of rain likely.

Wind: NE winds 20-30 km/h gusting up to 60-70 km/h for a time.

Swell: NNW wave direction with height 1.5-2.0 m.

Tuesday

Rain: Scattered showers possible.

Wind: Westerly winds 10-20 km/h gusting to 40-50 km/h.

Swell: NW wave direction with height around 2.0 m.

Wednesday

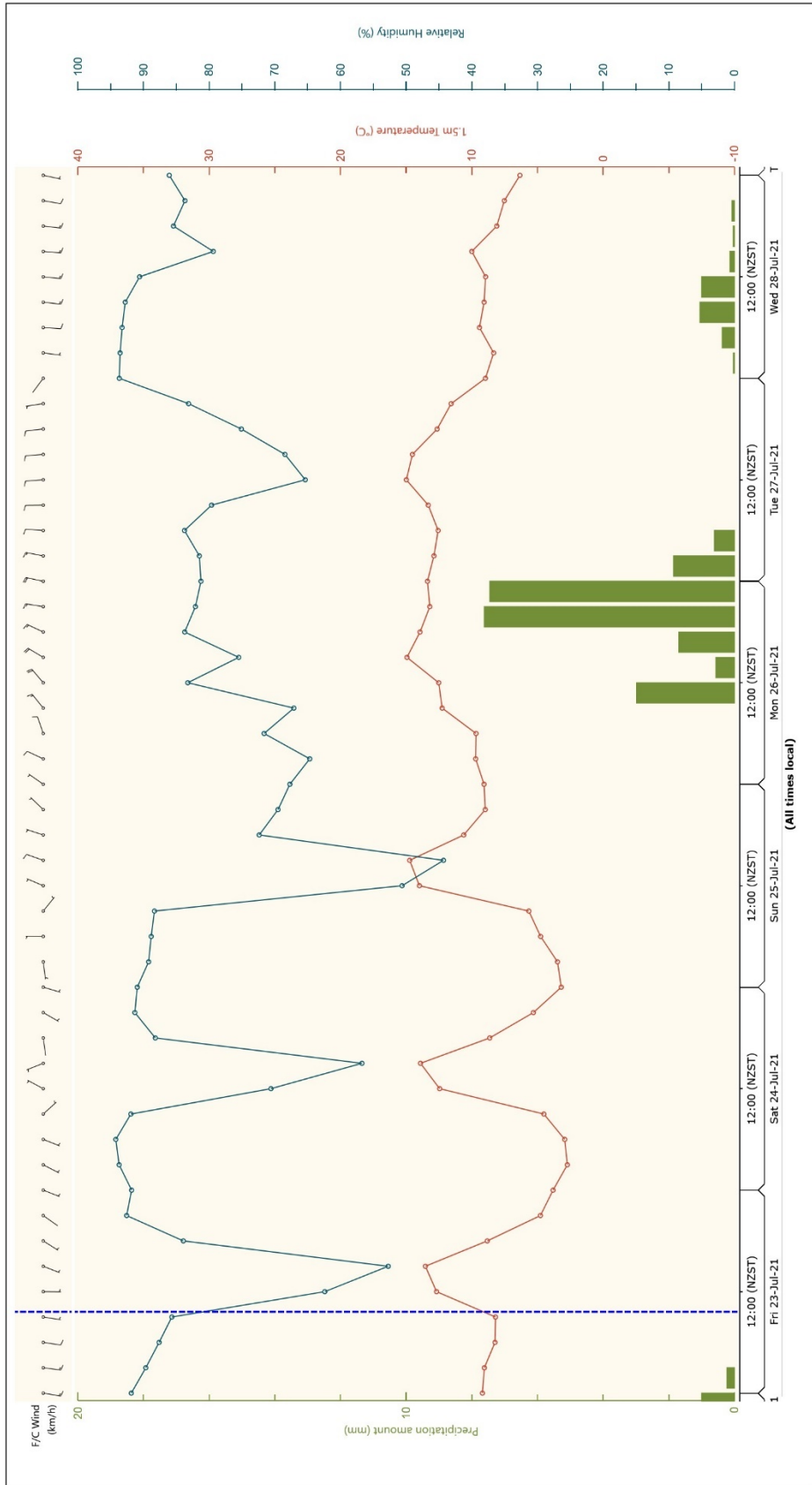
Rain: Scattered showers possible.

Wind: Westerly winds 10-15 km/h gusting to 35 km/h.

Swell: NW wave direction with height 1.0-1.5 m.

1. Incident Name
 Plimmerton Orca
 RecoveryRecovery

2. Operational Period – 0800 - 1800 Sat 24 July 2021



Portirua, Elsdon Park Aws; 6-day forecast weather
 (Printed 23-Jul-2021 09:37)

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides

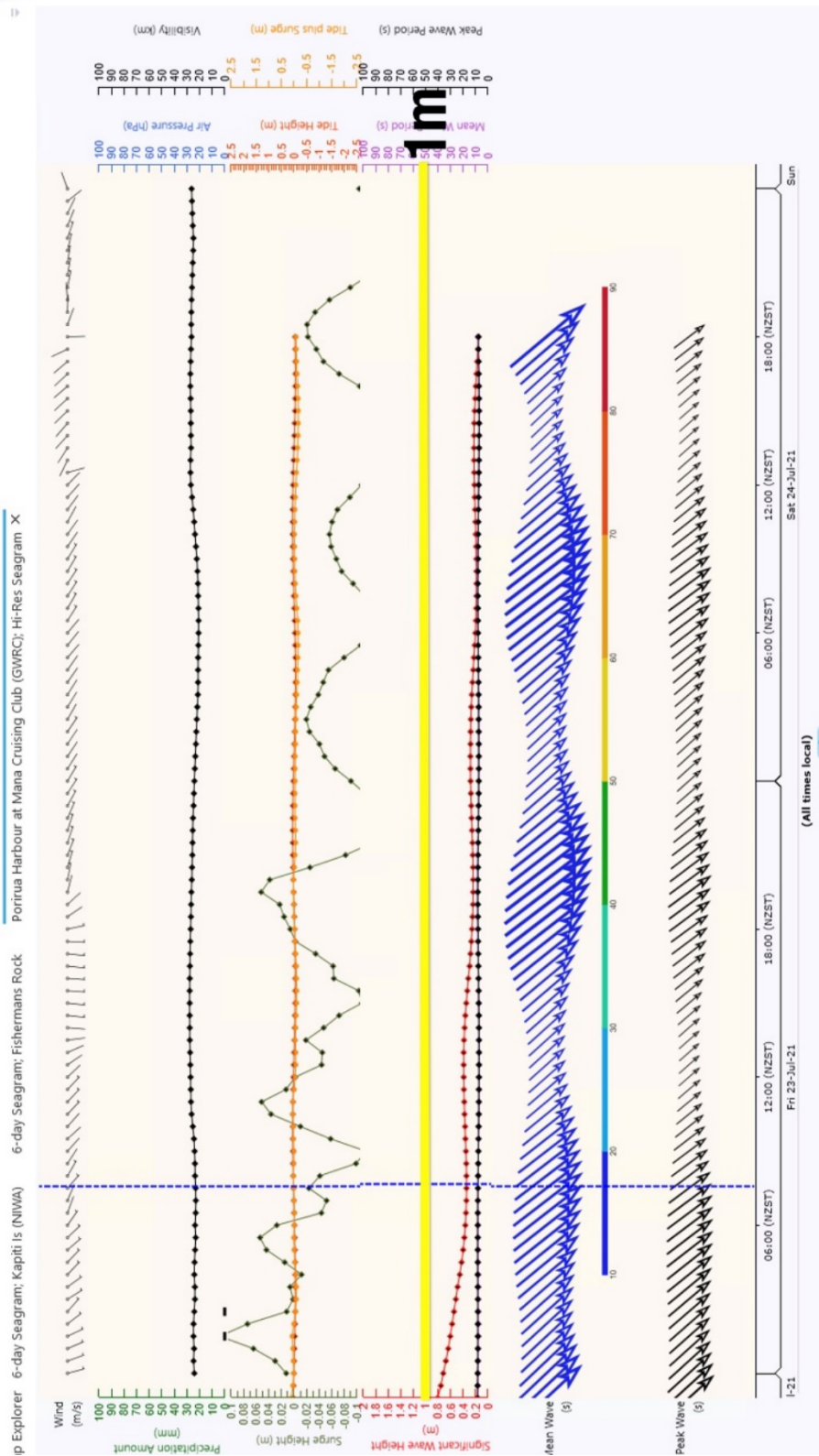


Source: MetOcean Solutions

Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m
SUN 25 JUL	-	04:23 0.6m	10:51 1.6m	17:06 0.6m	23:01 1.8m
MON 26 JUL	-	05:01 0.6m	11:33 1.6m	17:40 0.6m	23:38 1.8m
TUE 27 JUL	-	05:35 0.6m	12:12 1.6m	18:11 0.6m	-
WED 28 JUL	00:13 1.7m	06:06 0.6m	12:48 1.6m	18:39 0.6m	-

NIWA Forecast 48 hour high resolution model

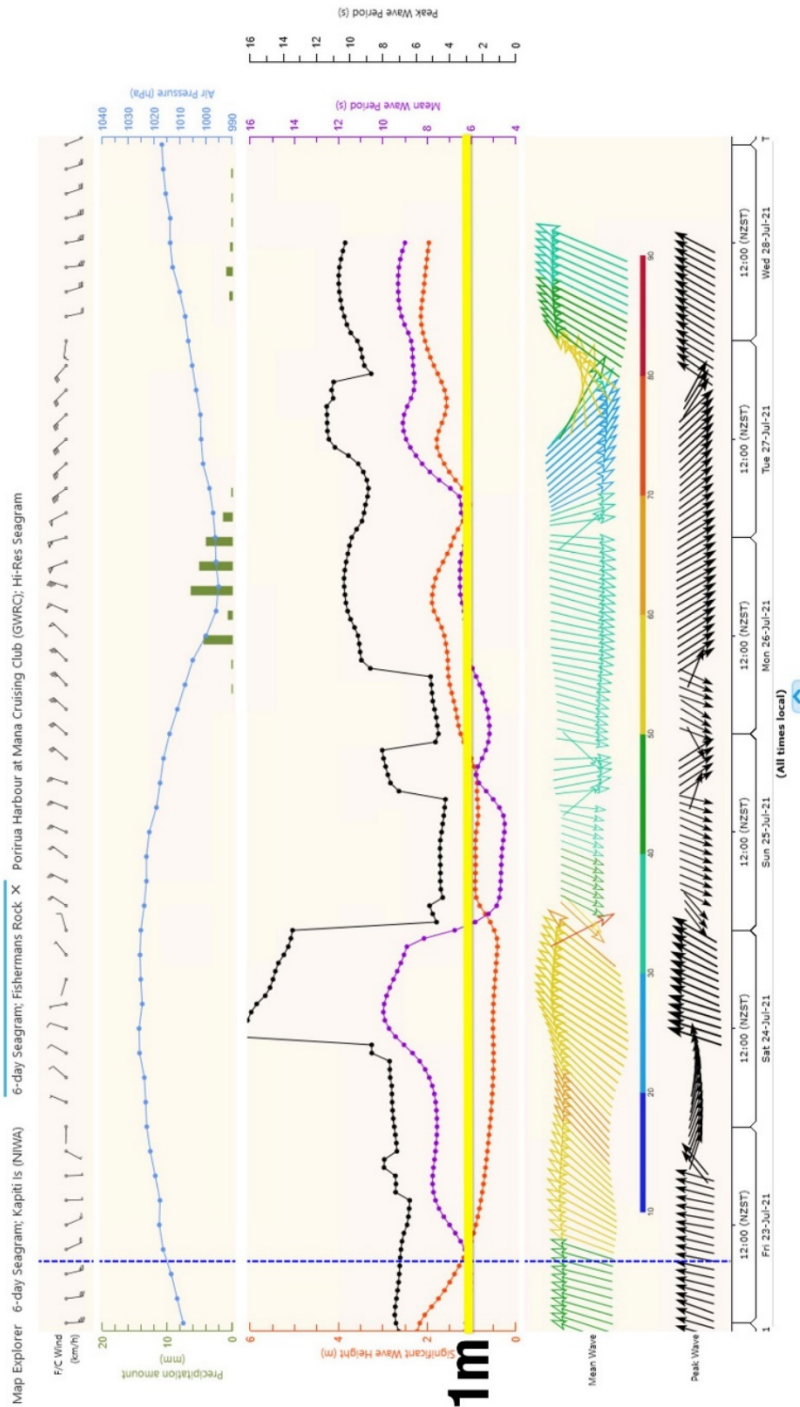


1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 - 1800 Sat 24 July 2021

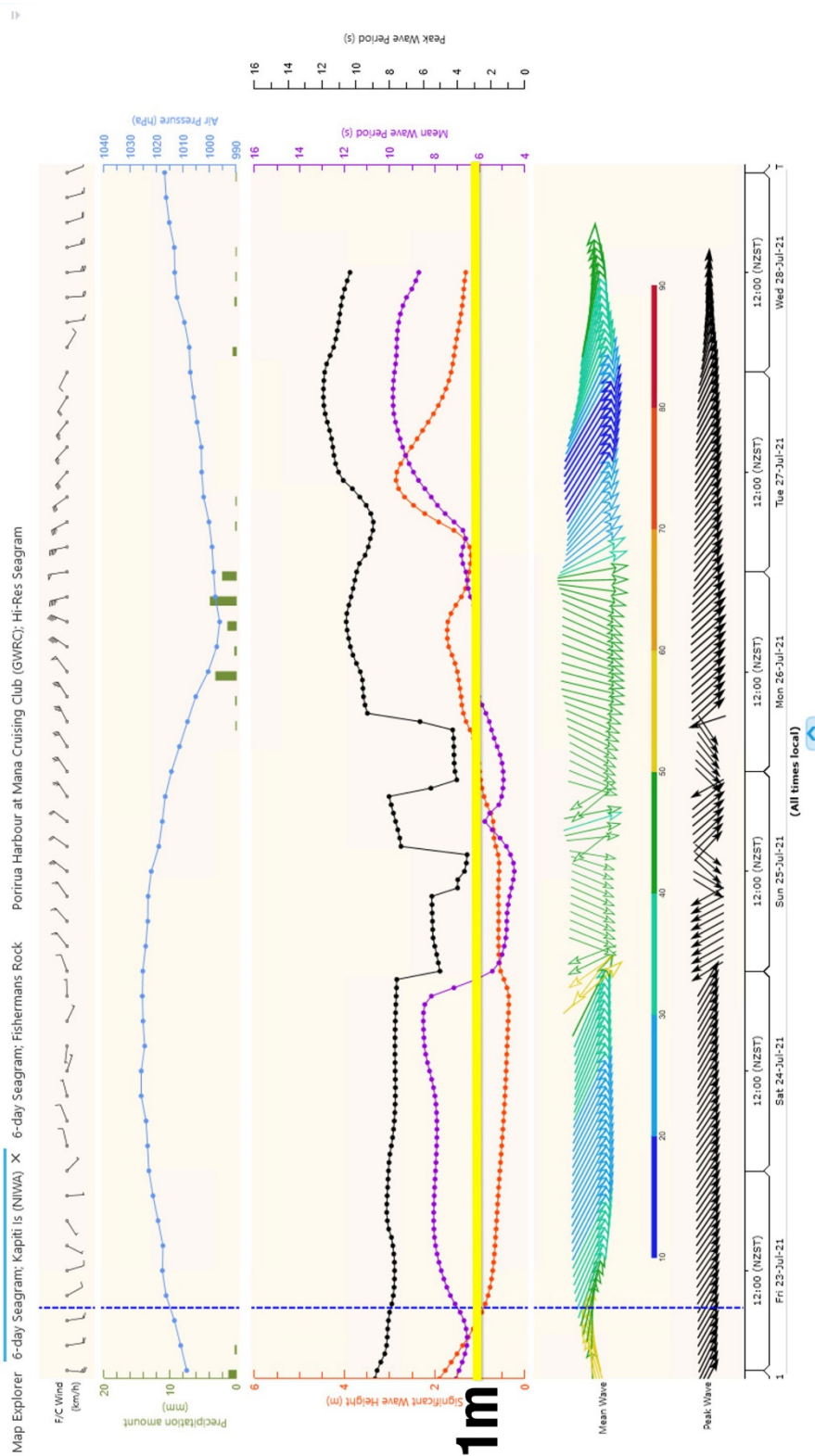
Seagrams

No 6-day seagram for Porirua proper have ones for Kapiti Island off to the north as well as Fishermans Rock, an exposed point out at sea. The Kapiti Island seagram should give you a good idea of the day-to-day variability of the wave patterns but overall is probably a little higher than what you'd expect to experience near Plimmerton. The Fishermans Rock location is exposed, so also somewhat higher than what you'd have at Plimmerton.



1. Incident Name
Plimmerton Orca Recovery

2. Operational Period – 0800 - 1800 Sat 24 July 2021



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

General

Safety - Job Safety Assessment to be completed for all tasks.

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

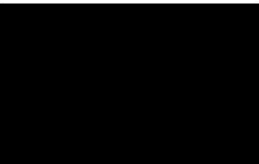
Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/s
 For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

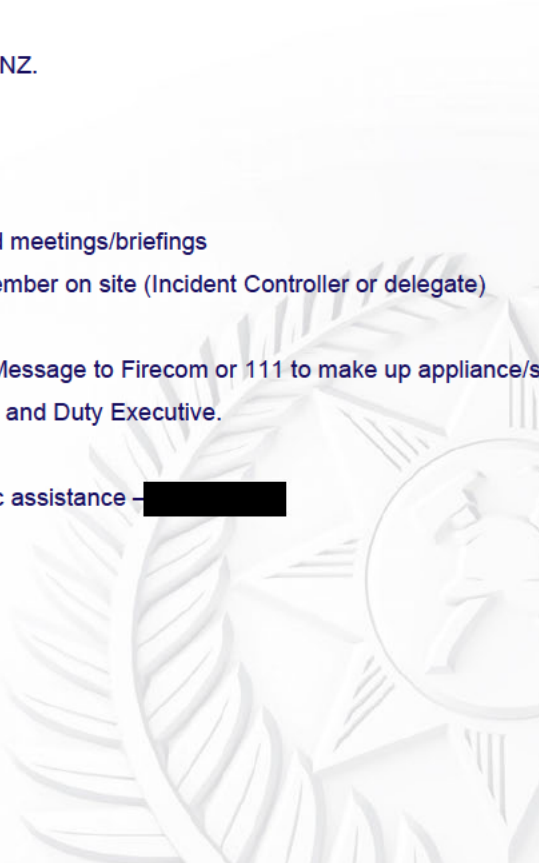
Rosters:

SSO [redacted] can be contacted or Roster and Logistic assistance – [redacted]

Issued 12:00 Saturday 17 July 2021



Carl Mills
 Chief Fire Officer



Action Plan Safety Analysis	Operational Period:								Name of Event: Project Orca Calf Mana	
Analysis of Tactical Applications & other Risk Analysis	Location (by Sector/Div)								other Risk Mitigations and Special Instructions: Sector A; Reunification, Sector B Orca Management, Sector C Security, M is "Management"	
	A	B	C	D	E		M			
ENVIROMENT										
1) Weather	X	X						X		Work in good weather forecasting periods, appropriate PPE
2) Tide	X	X								Check Tides/weather
3) Swell	X	X								Job Safety Assessment,
OPERATIONS										
5) Handling Orca	X	X								Health & Safety Plan, Job Safety Assessment,
6) 24 hours operation	X	X								Health & Safety Plan, Job Safety Assessment,
7) Working at in the water	X	X								Health & Safety Plan, Job Safety Assessment,
TRANSPORT										
8) Helicopters	X									Health & Safety Plan, Job Safety Assessment, Pilot Briefing
9) Snorkelling/Diving	X	X								Health & Safety Plan, Job Safety Assessment,
10) Boats	X									Health & Safety Plan, Job Safety Assessment, Standard Fiordland boat procedures
11) Hiab's/Trucks	X	X								Approved drivers and operators, appropriate PPE
EQUIPMENT										
12) Generators, pumps heaters, pools		X								Approved operators guides & Standard Operating Procedures, Health & Safety Plan, Job Safety Assessment,
HUMAN FACTORS										
13) Tiredness/Fatigue	X	X						X		Supervisors ensure staff and volunteers are fresh and do not have exceeded there own capabilities, Health & Safety Plan, well fed, appropriate PPE
COMPLIANCE										
14) Managing visitors, volunteers and NGO's	X	X	X							Work in pairs, avoid confrontation, discretion, Security on site
Operations Manager: [REDACTED]								Safety [REDACTED]	Date / Time: 22 July 2020	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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IAP Cover Sheet

Plimmerton Orca Calf

CLOSEOUT INCIDENT ACTION PLAN 9 24 July

DOC-6723483

IAP 1 Plimmerton Orca Recovery for 16 July (prep 15 July) 2021 Rev 4
IAP 2 Plimmerton Orca Recovery for 17-18 July (prep 16 July) 2021 Rev 7
IAP 3 Plimmerton Orca Recovery for 19 July (prep 18 July) 2021 Rev12
IAP 4 Plimmerton Orca Recovery for 20 July (prep 19 July) 2021 Rev 15
IAP 5 Plimmerton Orca Recovery for 21 July (prep 20 July) 2021 Rev 17
IAP 6 Plimmerton Orca Recovery for 22 July (prep 21 July) 2021 Rev 20
IAP 7 Plimmerton Orca Recovery for 23 July (prep 22 July) 2021 Rev 22
IAP 8 Plimmerton Orca Recovery for 24 July (prep 23 July) 2021 Rev 25
NEW IAP 9 Includes Close out Notes for Plimmerton Orca Recovery for 24 July 2021
(prep 24 July) Rev 29

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- RESPONSE STRUCTURE**
- ORGANISATION LIST**
- SECTOR/CREW ASSIGNMENT**
- COMMUNICATION PLAN**
- BOAT PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND SEAGRAMS**
- SIGHTING PROTOCOLS**
- HEALTH & SAFETY PROTOCOLS**
- ENVIRONMENTAL CONSIDERATIONS FOR TRANSPORT**
- FENZ OPERATING PROTOCOLS**
- SAFETY ANALYSIS**

Approved by Incident Controller:	Signed	Date/Time
Kirsty Prior		1500hr 24 July 2021

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Situation Report

3. Location Plimmerton Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none"> • The orca – estimated to be only a few months old – stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July. • The Department of Conservation (DOC) – lead government agency in marine mammal stranding situations – is working with the Orca Rescue Trust, World Wildlife Fund ,Fire and Rescue NZ and volunteers to save the animal. • The focus remains on caring for the orca and returning it to its pod. • “We’re urging anyone who sees a pod of orca off the coast of Wellington or Kapiti to share that information with us via 0800 DOC HOT,” • DOC has contacted specialist veterinarians for managing the calf. • DOC is urging the public if visiting to act responsibly. • A liaison group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and key community stakeholders has been established. • Intervention has occurred with taking blood and feeding of the Orca to determine its health. • Any further intervention will require more discussion and Jack Mace’s approval. • Media interest continues to be high- refer to https://www.doc.govt.nz/news/issues/stranded-juvenile-orca-near-porirua/ • This approach is not the traditional DOC position that we have taken in the past with marine mammals however the iwi, public, media and political interests are very high in this case. • DOC will continue to monitor traditional and social media coverage over the weekend. • Media will be updated along with fresh press releases to ensure media/social media are aware of agreed actions. • DOC is working with iwi and other supportive voices (Massey University) to encourage their presence in coverage. • DOC is also looking at at securing the site to manage the adverse weather over the next few days. • New Safety protocols at site will include public management onto the site • Sightings of the orca pod will continue to be sought. 		

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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<p>5. Actions taken</p> <p>Thu 15 July</p> <ul style="list-style-type: none"> • IMT (Team Smith) has been established at the Plimmerton Boat Club. • Orca Intensive care pool set up outside Plimmerton BC and water supplied by NZFS. Orca transferred to pool and monitored all night <p>Fri 16 July</p> <ul style="list-style-type: none"> • IMT set in place Volunteer H&S protocols • IMT identified “sightings” protocols and staff to manage these • Started planning of future scenarios for managing the Orca calf • Removed orca calf from the sea pen into the Para pool and established water refresh system supported by FENZ <p>Sat-Sun 17-18 July</p> <ul style="list-style-type: none"> • IMT on site developing draft scenarios and draft media statements for each of these • IMT organised catering for on site people (including volunteers – starts Sunday evening) • IMT organised accommodation closer to Plimmerton for current and incoming team • IMT sharing recent intel re possible age of orca – this may influence future scenarios • Major storm event across NZ. Plimmerton harbour filled with storm run off <p>Mon 19 July</p> <ul style="list-style-type: none"> • Sea pen restored and reinforced • Planning for Orca calf to be transported from pool to the sea pen. Decision taken not to do this. • Preparation for transport of orca back to its pod • Transition from FENZ to DOC for managing the pool water supply • Managing requests for equipment • Technical Advisory Group met to discuss outcome scenarios • Minister arrived on site at 2:00 pm • IMT planning transition with new team members • Ban on swimming in the Porirua harbour for 2 days from the Greater Wellington Council <p>Tue 20 July</p> <ul style="list-style-type: none"> • Orca calf stable (did have some colic overnight) • Decision to NOT relocate orca calf to sea pen on site due to concerns of water quality (from the recent wastewater) plus weather forecast that’s due to deteriorate for Wed pm and Thu all day) • Decision made to only reunify the calf with its natal pod. • Agreement reached on numbers of swimmers in the pool with the orca calf • Kapiti aero club and Lady Elizabeth followed up sightings off the South Coast of Wellington, pod not found. • More detailed planning for any transportation options, both land and sea <p>Wed 21 July</p> <ul style="list-style-type: none"> • Orca calf stable • Switch from freshwater to sea water recirculation overnight (orca calf appreciated it) • Sightings effort continued. Limited sightings today, mainly Tauranga • Upgrading safety and access security at site but still ‘soft’ rules with ongoing iwi, volunteers, boat club access • Animal ethics approvals sought as a contingency to tag orca calf on release • IMT structure has been modified to two sectors Land/shore-based management & Reunification • Meeting with vets – they will provide clearer consensus guidance tomorrow re human behaviour and presence in and around pool • Slightly elevated comments/interest at front gate and on social media re euthanasia and captivity arguments • High media interest off site

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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- OPEX is at least \$30,000
- Site Hazard board established at the ICP. This was introduced at the 4pm meeting on the 21st July. This will aid in the site inductions for DOC staff.

Thu 22 July

- The health of the orca calf is slightly compromised with an injury on its pectoral fins, a swollen eye and some lethargy. The vets have mentioned ‘depression’ and that the calf is not able to stretch out in the pool effectively.
- A site induction protocol has been implemented.
- A daily H&S meeting has been established with key volunteer and DOC points of contacts
- A STOP for Safety was called on the basis of water quality for our people and their safety.
- A daily site review will be completed by the H&S team.
- Moved the orca calf back to sea pen this evening (Completed by 6:30 pm) on the basis of the health of the calf, quality of the sea water, safety of the people is in planning for the relocation
- Relocation of the support caravans and lighting for the orca support team
- Only one sighting of an orca pod off the Brothers Island today. We’ve proactively contacted the Kapiti aero club asking them to put a plane up but the weather conditions weren’t suitable
- Two media releases have been prepared <https://www.doc.govt.nz/news/media-releases/2021-media-releases/orca-update-1030am-thursday-22-july-2021/>
- Preparation is underway for a daily update (one-pager) to SLT and the Minister. The first iteration of this should be available tomorrow.
- Preparation is underway for a daily update to our people which will be published on the Intranet. Key messages will include asking them not to visit the area.

Friday 23 July

- Re-arranged the site security fences and tightened up the operational site.
- Hazard Plan for Divers (reunification plan) prepared [REDACTED]
- Two trespass forms have been prepared. Contact [REDACTED] Kirsty Prior or Jack Mace for access.
 - Private Landowner Trespass Authorisation Plimmerton Orca Response 2021: [REDACTED]
 - Trespass Notice - private land - Plimmerton Orca Response 2021: [REDACTED]
- Debriefed the shift of the orca calf from the pool to the sea-pen Thu 22 July [REDACTED]
- Met with representatives from iwi and the Orca Trust to review a Technical Options Paper covering different scenarios for the orca. A further meeting is scheduled for Saturday at 4pm to give the meeting attendees more time to digest the information and provide their views.
- A regular internal communications update is being prepared for publishing today and every day going forward.
- Two media releases have been prepared.
- A total of 8 media enquiries have been received.
- A pod was videoed off Raumati heading south. 2 fixed wing planes initiated searching, and the DOC boat was deployed. The pod was not located. A 2nd pod was located at Owhiro Bay heading south. The sighting has not been validated

Addition from 1600

- Orca noted by care team to “suddenly” be not swimming interpreted by care team as “tired” due to lots of activity for the previous 24 hours following move back to the sea pen. Reported as “sinking to the bottom” and needing to be lifted and supported.
- Lydia checked at 1615 – agreed the animal needed supporting as unable to maintain bouyancy. Elected to order “pool noodles” (Ingrid recommendation, supported by Lydia – recognised method of supporting an animal that can not maintain it’s own bouyancy) to provide support without the need for people to continually hold the animals.
- Orca bouyancy was assisted with “pool noodle” bouyancy aids from approximately 1800.

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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- Orca reported by the care team to have laboured breathing to incident controller who immediately requested the DOC vet who was the only vet onsite.
- Vet attended immediately. Breathing extremely laboured and prognosis grim. Animal having to be supported by approx. 6 people at this stage. No active movement from the animal.
- Ingrid called the close contacts of the animal from the past 12 days to tell them to come say goodbye.
- The option of sedation was discussed with Ingrid and Iwi but decided against as animal was not in distress and probably minimally conscious already at that stage so no welfare concerns.
- Sedation drugs were however brought pool side and plan reviewed in case sedation was required.
- Euthanasia was discussed but the option was also decided against for same reasons as above
- Orca calf died approx. 2015. Following karakia it was removed from the seapen and placed in a covered trailer and secured over night.
- Reported on social media sites (external to DOC) and responses managed by DOC Comms
- Media contacted DOC immediately and a release was drafted, approved on sent to media around 10pm reporting the death and the steps to be taken. No interviews done.
- Media releases
 - Friday morning 11am [orca-update-1100am-friday-23-july-2021/](#)
 - Friday 5pm [orca-update-500pm-friday-23-july-2021/](#)
- ICP closed down by 3:30 pm

Saturday 24

- 0600 farewell ceremony for the orca calf at Plimmerton Boating Club and attended by more than 65 people –led by Ngati Toa and attended by volunteers, members of the community, Whale Rescue Org and DOC staff.
- Media release sent out by DOC media staff around 8am and Ian Angus did a number of phone interviews and an on camera interview with Newshub. Media@doc.govt.nz will deal with any follow up requests after midday.
- The Orca calf was then taken away by iwi for a private burial.
- IMT managing the stand down of the ICP and site.
- Debriefs
 - Hot debrief for the staff on site 24 July 1215 – 1315 (NOTES TO COME FROM [REDACTED])
 - Planning for DOC & Partners debrief possibly Thu 29 July. Include Ngati Toa, Whale Rescue, Orca Trust, WWF, FENZ, Plimmerton VFB, Wellington Vets, DOC
 - TAG debrief
 - DOC internal debrief
- Media releases
 - Saturday 8am [orca-calf-toa-farewelled-with-dawn-ceremony/](#)

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Processes have been established for

- Safely managing the public and visitors to the Plimmerton Boat Club
- Demobilisation of the ICP at the Plimmerton Boating Club

7. Predicted Incident Development

What are the likely future outcomes so we can plan for that

- Debriefs planned
 - Hot debrief for the staff on site 24 July
 - Planning for DOC & Partners debrief possibly Thu 29 July. Include Ngati Toa, Whale Rescue, Orca Trust, WWF, FENZ, Wellington Vets
 - TAG Debrief
 - DOC internal debrief

Prepared by: Ian Angus	Date: 24 July	Time: 1500
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Incident Objectives

RF202

4. Objectives for specified Operational Period

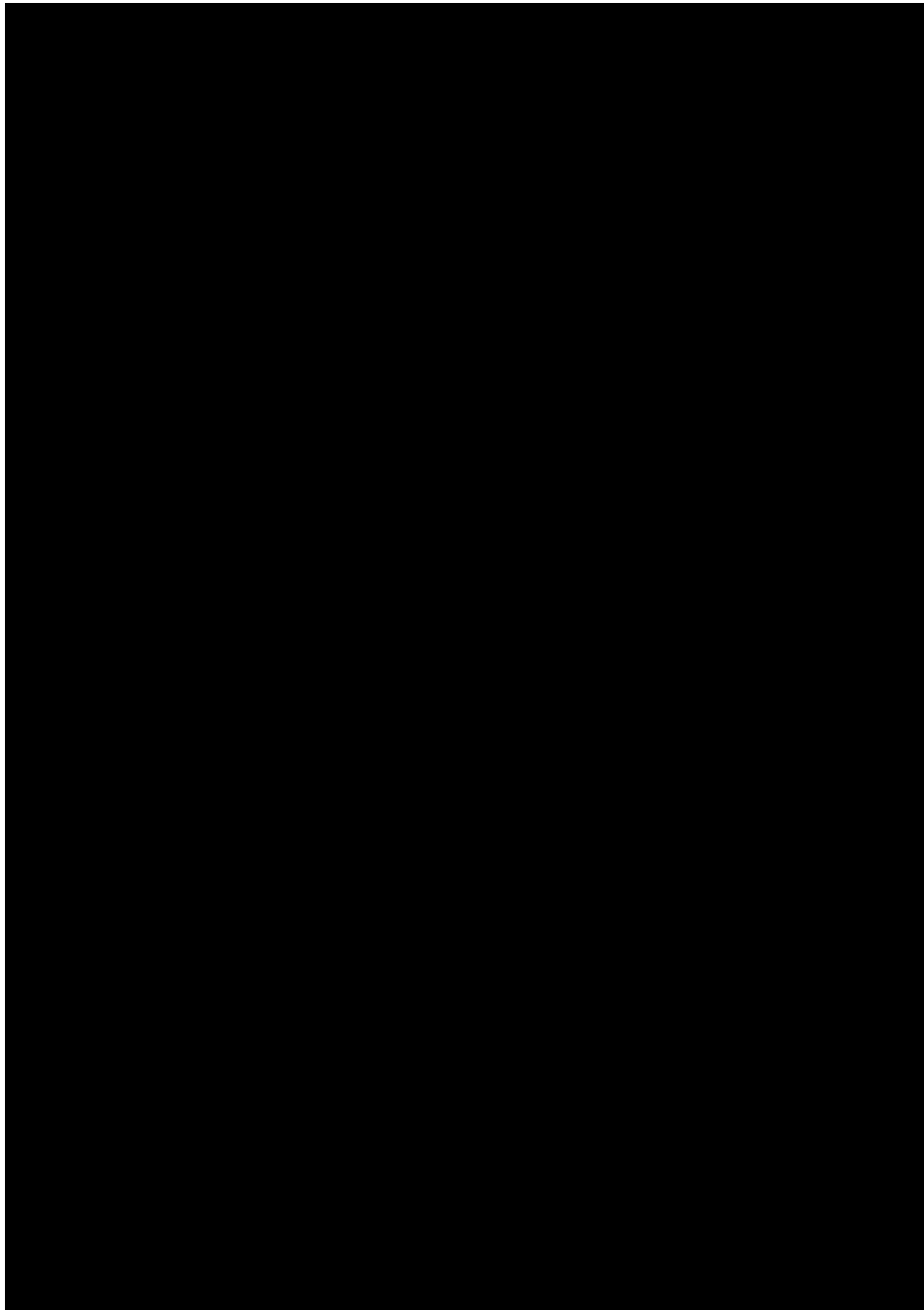
Purpose: To demobilise the ICP and restore the Plimmerton Boating Club site to normal operations

Objectives:

1. Maintain human life, wellbeing and safety for workers, volunteers and public.
2. Restore the Plimmerton Boating Club site to normal operations

1. Incident Name
Plimmerton Orca
RecoveryRecovery

2. Operational Period – 0800 - 1800 Sat 24 July 2021



1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Organisation List

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Kirsty Prior (on call for night)-	[REDACTED]	
Information Officer	[REDACTED]	[REDACTED]	
Safety Officer	Dave Moss	[REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED]	[REDACTED]	
Agency	FENZ [REDACTED]	[REDACTED]	
Agency	WWF [REDACTED]	[REDACTED]	
Agency	Orca Research Trust	0800SEEORCA	
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	[REDACTED]	
Situations Unit	Kris Ramm	[REDACTED]	
Security (Social)	Michael McCarthy (Support)	[REDACTED]	
6. Logistics Section		Cell Phone	Radio Ch
"Procurements and Contacts [REDACTED]"			
Logistics Manager	[REDACTED]	[REDACTED]	
Supply Unit	[REDACTED]	[REDACTED]	
Finance Unit	[REDACTED]	[REDACTED]	
Facilities Unit	[REDACTED]	[REDACTED]	
Plimmerton Boating Club	[REDACTED]		

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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7. Operations Section		Cell Phone	Radio Ch
Operations Manager	████████████████████	██████████	
Deputy Operations Manager	██████████ (FENZ Porirua VFB)	██████████	
Pump Staff (day)	██████████ ██████████ ██████████████████ ██████████████	██████████ ██████████ ██████████	
Pump staff (night)	██████████ ██████████	██████████ ██████████	
Sector A Supervisor	██████████	██████████	
	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	████████████████████)	██████████	
Volunteer Management	██████	██████████	
Volunteer Management	██████	██████████	
Spotting management			
Reunification planning	██████████	██████████	
Sector C Supervisor	Recon Security ██████████████	██████████████ ██████████████	
Prepared by: Mike Sparrow	Date: 24 July	Time: 1500	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector A (Follow up required)	4. Description Reunification planning and implementation		5. Division Assigned		
6. Sector Supervisor	██████████	██████████			
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/ time</i>
Spotting management	██████████ – (DOC)				
Reunification Plan and implementation	██████████				
8. Sector Assignment / Special Instructions					
<ul style="list-style-type: none"> • Manage the boats sector (see Boat Plan below) • Manage to “orca spotting and reporting” • Aircraft on standby • Boats, vehicles and lifting equipment on standby for possible Orca transportation • Link to “Reunification Plan” ██████████ • Learning from Reunification planning ██████████ • Sighting spreadsheet: ██████████ • Sighting validation procedure: ██████████ • Draft euthanasia plan ██████████ 					
Prepared by: ██████████			Date: 24 July	Time: 1500	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector B CLOSED	4. Description Manage animal welfare		5. Division Assigned		
6. Sector Supervisor	[REDACTED]				
7. Resources Assigned this period					
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/time</i>
Management of the pen area	Ingrid Visser				
Management of Volunteers	[REDACTED]				
8. Sector Assignment / Special Instructions					
Key Task Provide animal welfare to Toa					
<ul style="list-style-type: none"> • Management of the pen area • Volunteer coordination – See end of document for Volunteer Protocols 					
Prepared by: [REDACTED]		Date: 24 July		Time: 1500	

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sector Assignment

RF204

3. Sector C (ACTIVE)	4. Description Security			5. Division Assigned																			
6. Sector Supervisor																							
7. Resources Assigned this period <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><i>Resource/Crew</i></th> <th style="text-align: left;"><i>Leader</i></th> <th style="text-align: left;"><i># Persons</i></th> <th style="text-align: left;"><i>Transport Required</i></th> <th style="text-align: left;"><i>Drop- off Point/ time</i></th> <th style="text-align: left;"><i>Pickup Point/ time</i></th> </tr> </thead> <tbody> <tr> <td>Recon Security</td> <td style="text-align: center;"> </td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/ time</i>	Recon Security											
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop- off Point/ time</i>	<i>Pickup Point/ time</i>																		
Recon Security																							
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Provide security services to the Plimmerton Boating Club site RECON Security																							
Prepared by:		Date: 24 July		Time: 1500																			

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Communications Plan

RF205

3. Radio Channels				
<i>Assigned To</i>	<i>Function</i>	<i>Channel</i>	<i>Frequency</i>	<i>System</i>
Security		FENZ Radion Zone C Additional Operations		
Volunteer HQ		FENZ Radion Zone C Additional Operations		
DOC ICP		FENZ Radion Zone C Additional Operations		
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
6. Other (e.g. email, Satphone, etc)				
7. Prepared By: ██████████			Date/Time 24 July 1500 hrs	

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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1. Incident Name (CLOSED)	2. Operational Period Date 21 July Time 0800-1800	RE-UNIFICATION PLAN
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3. Personnel and Communications				
Position	Name	Affiliation	Phone	Radio Chan
Sector Supervisor	[REDACTED]	DOC	[REDACTED]	

4. Air Resource Assignments					
Pilot Name/ Company	Boat/Vehicle	Reg or Call sign	Assignment	Tactical Freq/Chan	Telephone Numbers
[REDACTED]	Mataara II	[REDACTED]		[REDACTED]	Onboard: Company:
[REDACTED]	Crista Marie	[REDACTED]		[REDACTED]	Onboard: Company:
O/C Maritime Unit [REDACTED]@polic e.govt.nz Backup - Maritime Unit (24/7)	Lady Elizabeth	[REDACTED] [REDACTED]		[REDACTED]	
Rough Transport [REDACTED]	Hiab Truck	[REDACTED] 4			

5. Location of Filling Points/Service Areas	
Name	Grid Reference

6. Safety Notes / Hazards / Radio Coverage Limitations
See Link to "Reunification Plan" [REDACTED]

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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7. Boat Operations Special Equip or Service
Possible operating staff on boats

MV Mataara –
Skipper x1 & Crew x1
Natural Heritage x2
Ngata toa x1

MV Krista Marie
Skipper x1 & Crew x2
Orca Society x4 Ingrid Visser, plus 1, Justin Stretch, Ronga Richmond
SPA x1
Safety x1
Ngati Toa x1

Police Launch “Lady Elizabeth”
Has a crew of 4 and can take 8 passengers

Police Maritime Unit
O/C [REDACTED] – [REDACTED] [@police.govt.nz](mailto:[REDACTED]@police.govt.nz) [REDACTED]
The unit operates between 0600 – 2000 hours daily but are on call for emergencies outside of those hours. The on call number (24/7) is 04 472 0150 (also the number in the event that [REDACTED] is unavailable).

Police Event Number
The event number assigned to this is [REDACTED]
Use this number if there are any requests for Police assistance and in any correspondence being completed that may make its way to Police.

8. Prepared By: [REDACTED]	Date/Time 24 July 1500
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Safety Plan

RF209

1. General Safety Points

Maintain regular situation reports (containing all relevant information) via line supervisors.

Limit electrical usage on external appliances

Vessel operating limits at discretion of skipper in enclosed waters

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Environmental Hazards

- Hypothermia – wet suits if in water
- Accumulative fatigue
- Disease & pathogens
- Whale activity

Human affects

- Emotional impacts

Actions undertaken

- Discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols have been strengthened (22 Jul)
- Site now secure with limited access for the public
- Plimmerton Boat Club open to members this afternoon.
- DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend
- Site Hazard board established at the ICP on the 21st July. This will aid in the site inductions for DOC staff.
- A daily meeting has been established with key volunteer and DOC points of contacts. This is to discuss operations and any H&S points. This is held daily at 1000hrs
- A Site safety plan has been drafted and is being implemented for the overall site. This is now live and is being reviewed by our LNI H&S Rep.
- A daily site review will be completed by the H&S team. This will involve checking the site to ensure the H&S plan is being followed. Any concerns will be discussed through the Op’s Manager.
- H&S orca minutes are [REDACTED]
- Hazard Plan for Divers prepared [REDACTED]
- Two trespass forms have been prepared. Contact Kirsty Prior, [REDACTED] or Jack Mace for access.
 - Private Landowner Trespass Authorisation Plimmerton Orca Response 2021: [REDACTED]
 - Trespass Notice - private land - Plimmerton Orca Response 2021: [REDACTED]
-

Directives

- A site induction protocol has been prepared and is mandatory for any new staff or visitors that come onto the site.
- All H&S incidents are to be reported to the H&S Manager and logged into the system (Risk manager).
-

Concerns raised

- Electrical draw on external power needs to be monitored

National/Local Police Contacts

- The National Command and Control Centre (NCCC) can be contacted 24/7 on 04 817 0248.
- For local Police resources (Wellington/Porirua Police), they are deployed via the Wellington District Command Centre (DCC) – 24/7 on 04 381 2008.
- [REDACTED] – has been operating as the local contact (Porirua Community Section). If you couldn’t get hold of [REDACTED] or there was some urgent(ish) request for assistance, then it is best to call the DCC.

7. Prepared By: [REDACTED]	Date/Time 23 July 1500hrs
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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1. Incident Name Plimmerton Orca Recovery	2. Operational Period Date Time	MEDICAL PLAN RF206					
3. First Aid Station Name	Location	Phone/Radio Channel	Paramedics available at Station				
Plimmerton Medical Centre	10 Steyne Avenue, Plimmerton, Porirua 5026	(04) 233 8015					
Mana Medical Centre	107 Mana Esplanade Wellington	04-233 8019					
Pacific Health Service Porirua	Cannons Creek	04-237 9824					
4. Transportation Ambulance Service	Address	Phone/Radio Channel	Paramedics available with Ambulance				
St Johns		111	Yes				
5. Hospitals	Hospital Name	Address	Phone	Travel Time		Burn Unit	Heli Pad
				Road	Air		
Kenepuru	16 Hospital Drive, Kenepuru, Porirua 5022	04-385 5999	20 min				
Wellington Hospital	49 Riddiford Street, Newtown, Wellington 6021	04-385 5999	35 min	15			Yes
Hutt Hosital	638 High Street, Boulcott, Lower Hutt 5010	04-566 6999	38 min	15			
6. Special Emergency Procedures Contact Safety Advisor for any known hazards and incidents							
7. Prepared By: Michael Sparrow			Date/Time 24 July 1500hrs				
8. Reviewed by Safety Advisor: [REDACTED]			Date/Time 24 July 1500				

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Weather Forecast

Coastal Marine (Metservice)

NIWA Forecast for Plimmerton Prepared 0800 pm Fri 23 July 2021

Friday

Rain: Dry conditions.

Wind: Light south-southeasterly winds 5-10 km/h gusting up to 25 km/h.

Swell: NW wave direction with height decreasing to 0.5 m.

Saturday

Rain: Dry conditions.

Wind: Light and variable winds up to 10 km/h.

Swell: NW wave direction with height around 0.5 m.

Sunday

Rain: Dry conditions.

Wind: NE winds 10-20 km/h gusting to 30 km/h.

Swell: NNW wave direction with height increasing from 0.5 to 1.0 m.

Monday

Rain: Periods of rain likely.

Wind: NE winds 20-30 km/h gusting up to 60-70 km/h for a time.

Swell: NNW wave direction with height 1.5-2.0 m.

Tuesday

Rain: Scattered showers possible.

Wind: Westerly winds 10-20 km/h gusting to 40-50 km/h.

Swell: NW wave direction with height around 2.0 m.

Wednesday

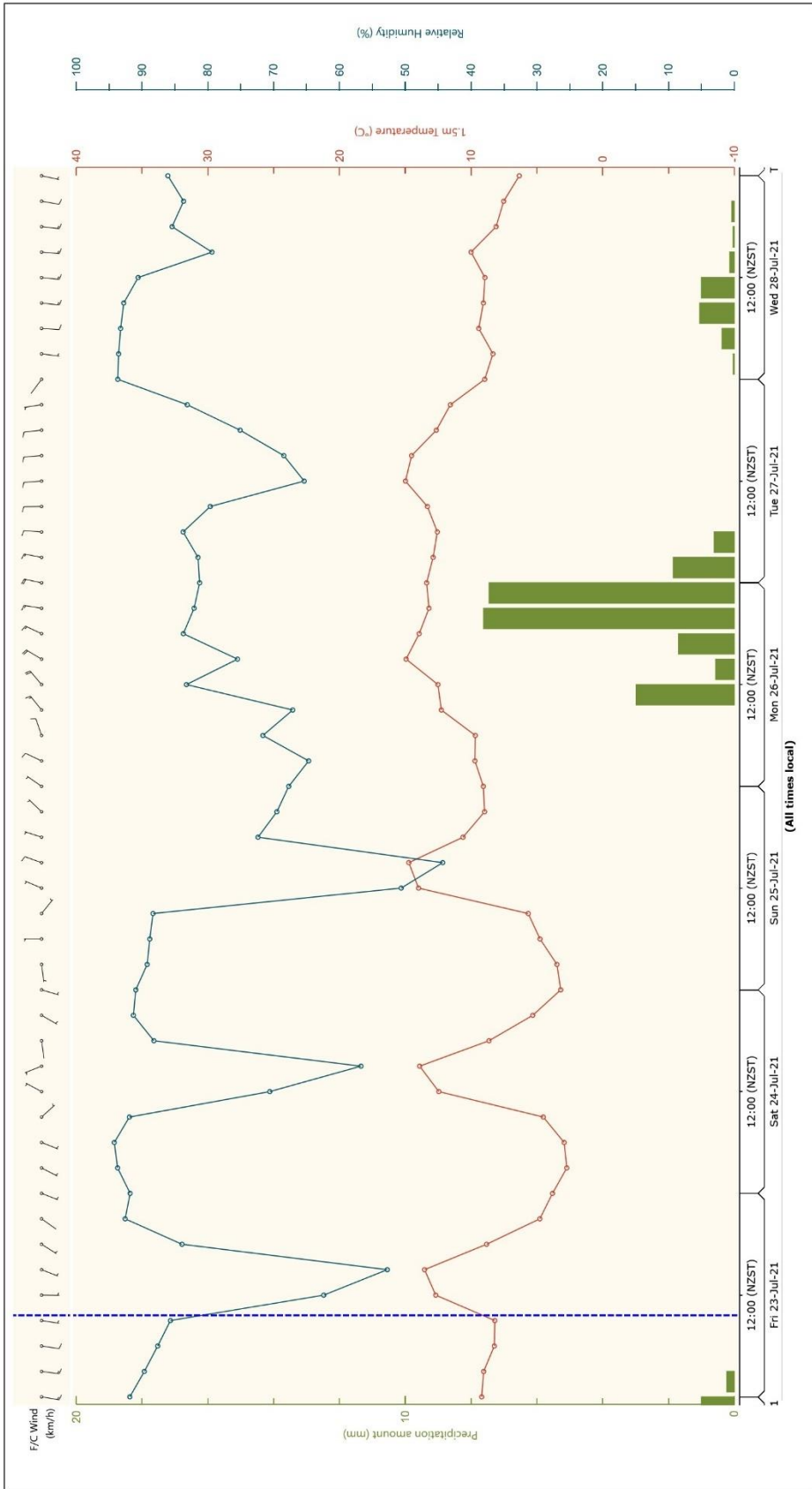
Rain: Scattered showers possible.

Wind: Westerly winds 10-15 km/h gusting to 35 km/h.

Swell: NW wave direction with height 1.0-1.5 m.

1. Incident Name
 Plimmerton Orca
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Portirua, Elsdon Park Aws; 6-day forecast weather
 (Printed 23-Jul-2021 09:37)

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Met Service Tide tables for Mana <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

Mana / Porirua Harbour 3 Day Tides



Source: MetOcean Solutions

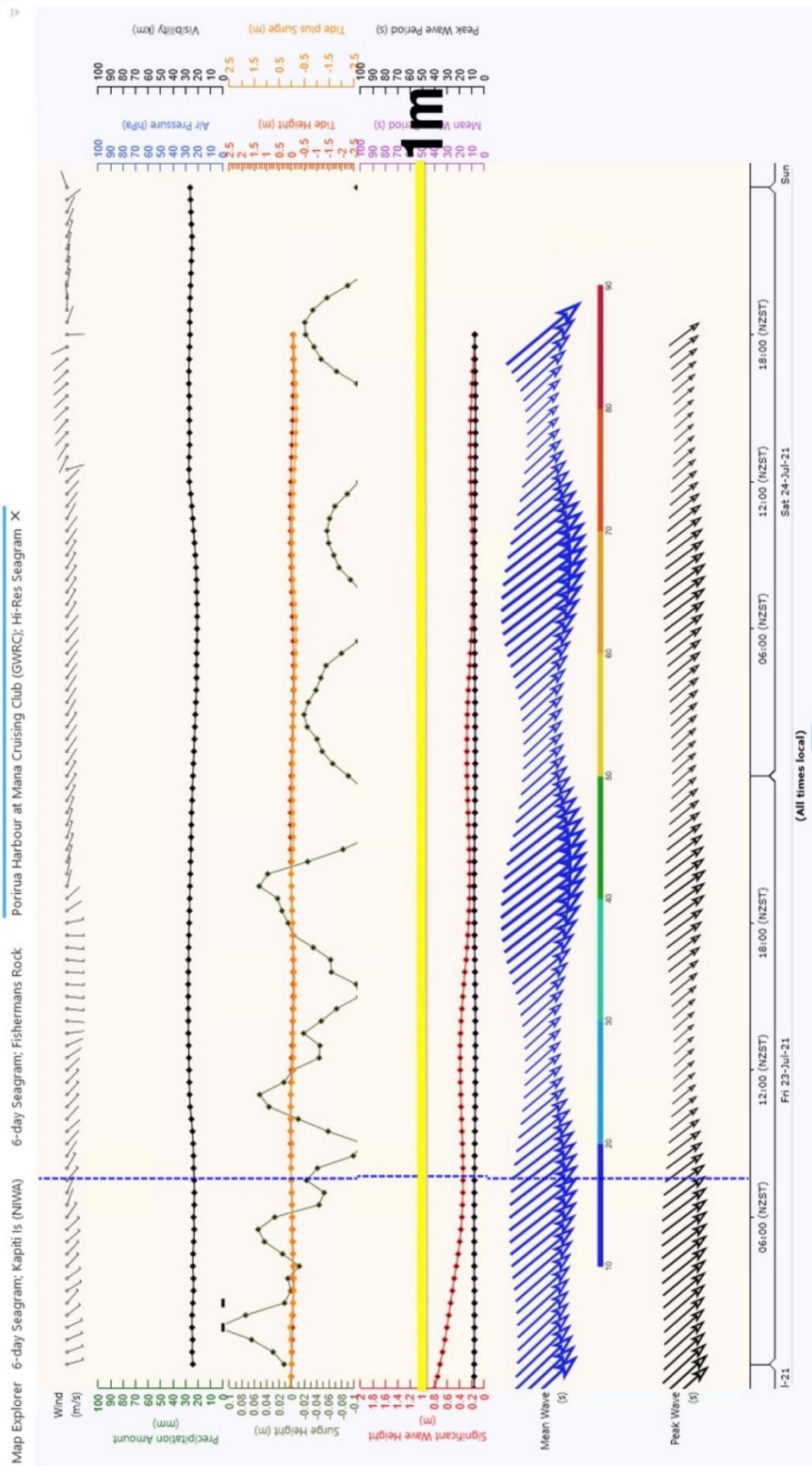
Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
FRI 23 JUL	-	02:56 0.7m	09:12 1.5m	15:40 0.7m	21:39 1.6m
SAT 24 JUL	-	03:42 0.6m	10:04 1.6m	16:27 0.7m	22:22 1.7m
SUN 25 JUL	-	04:23 0.6m	10:51 1.6m	17:06 0.6m	23:01 1.8m
MON 26 JUL	-	05:01 0.6m	11:33 1.6m	17:40 0.6m	23:38 1.8m
TUE 27 JUL	-	05:35 0.6m	12:12 1.6m	18:11 0.6m	-
WED 28 JUL	00:13 1.7m	06:06 0.6m	12:48 1.6m	18:39 0.6m	-

1. Incident Name
**Plimmerton Orca
 Recovery**

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NIWA Forecast 48 hour high resolution model

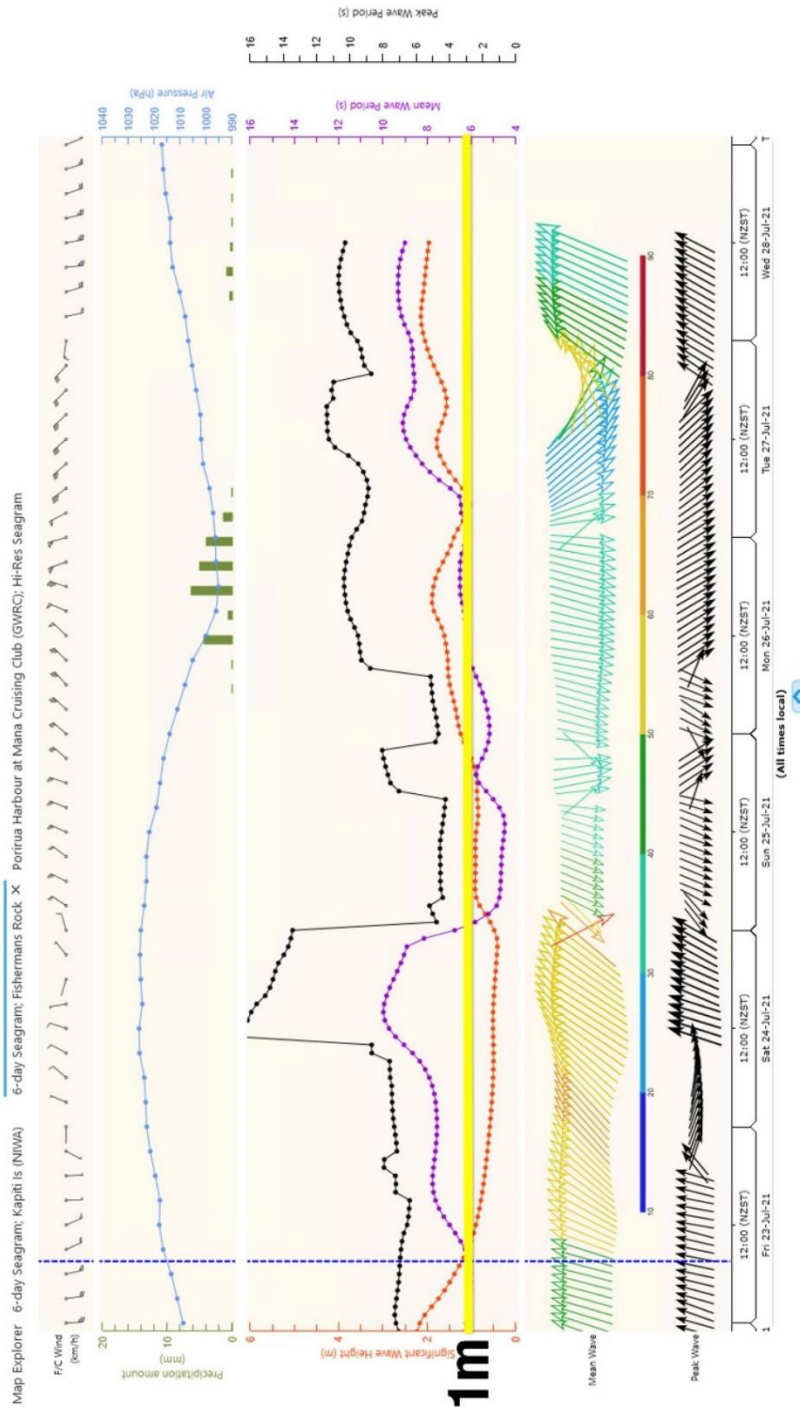


1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Sat 24 July 2021

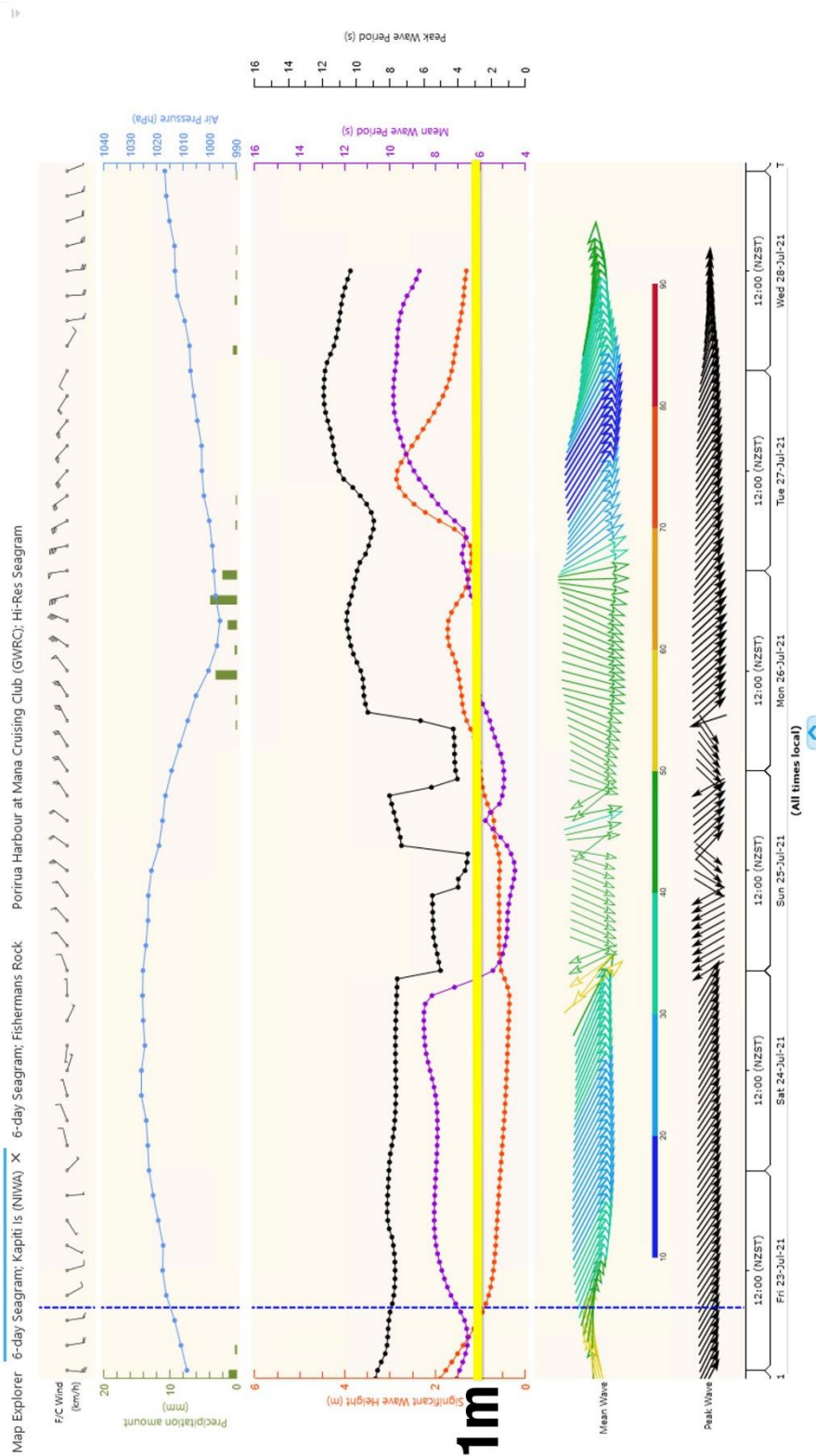
Seagrams

No 6-day seagram for Porirua proper have ones for Kapiti Island off to the north as well as Fishermans Rock, an exposed point out at sea. The Kapiti Island seagram should give you a good idea of the day-to-day variability of the wave patterns but overall is probably a little higher than what you'd expect to experience near Plimmerton. The Fishermans Rock location is exposed, so also somewhat higher than what you'd have at Plimmerton.



1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Sat 24 July 2021



1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Sighting Management

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Need to analyse these reports and check if one or many sightings of the same orca. Can get “ghost sightings”

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Health and Safety Protocols

Handling Orca

- Do not touch the head, eyes, blowhole, pectoral or dorsal fins
- Stay away from the tail in case whale puts on a burst of speed. Movement can be up and down as well as sideways.
- If you need to turn whale, use your body and knees before using your hands on his rostrum or chin to coax him around.
- Only interact with the whale if he initiates it.
- Do not hug whale, hold him, box him in or similar.
- Form a large circle around the perimeter to prevent whale from hitting edges and fences.
- Keep whale swimming. He must swim to keep warm and prevent muscle cramps.
- If whale circles one way for a long time, change his direction to the other way.

EQUIPMENT

- Volunteers must have own wetsuit and booties (min 5mm).
- No rings, watches or large zips that could scratch whale.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Volunteers must be wearing mask and gloves to prevent disease transfer.
- Sterile pad must be stepped on with both feet when entering and exiting the water.
- Use the wharf for support as ramp is slippery.
- Be careful of flimsy ladder.
- No GoPro, snorkels or masks.
- Poo scooper is hanging on right side for collecting.
- Dispose of masks and gloves in bin.

General

- Volunteers must be 18yrs or over.
- Speak up if you are cold.
- Identify all trip hazards.
- Watch for hazards when exiting.
- Sign out at timefiler before leaving.
- Shower straight after swim.

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Environment

Weather - Work in good weather forecasting periods, appropriate PPE

Tide / Swell - Check Tides/weather / swell

Working at/in the water

Never work alone- minimum of two people within sight of each other. Comms to be carried if out of sight. PLB to be carried. Beware of hidden hazards such as rubbish, sewage seepage.

Transport

Helicopters - Pilots must give briefing. For flying over water the pilot is to cover ditching and escape procedures. Pilot's instructions to be followed at all times. Hearing protection must be worn. High Vis vest should be worn when travelling in or working around helicopters, Eye protection worn if required. Loose items must be secured or packed away. Never reach up to chase items blown away. Ensure appropriate communications are in place prior to an operation. Use of Boarding Pass is mandatory for Team Leader. No Robinsons.

Snorkelling /

Diving - Divers should carry an SMB and be proficient in its deployment from depth. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio. Ensure everyone understands their role and actions to take in a lost diver/snorkeler situation. If buddy contact is lost between divers search underwater for no longer than one minute then surface ascending at a safe rate to continue search. If missing diver/snorkeler does not surface or is not located then call EMS assistance.

Boats - Safety briefing to be provided by the vessel's crew when new passengers embarked. Briefing to include: alarms and actions to be taken, safety equipment locations and correct usage if appropriate, prohibited areas, additional hazards. Passengers to be informed of risk of seasickness and advised to self-medicate if prone to condition. In rough weather follow the directions of the Skipper.

Hiab's / Trucks - Only Approved drivers and operators, wearing appropriate PPE. Ensure loads are secure and maintain an escape route.

Equipment

Generators - Only approved operators following guides. Class 4 hearing protection to be worn. Use isolating transformer or circuit breaker / RCD. Never use in a confined space. Maintain correct electrical equipment. Take care of cranking engines and handle may come free. Use filling techniques.

Human Factors

Fatigue - Supervisors ensure staff and volunteers are fresh and do not have exceeded their own capabilities. Have breaks that allow for 7-8 hours sleep. Make alternative arrangements to driving home e.g. shuttle or accommodation. Ensure regular breaks, or rotate who is working in demanding (mentally or physically) or monotonous roles. Familiarise staff and volunteers with fatigue calculator, assessment tool and guidelines.

Compliance

Volunteers /NGOs- Work in pairs, avoid confrontation, exercise discretion.

General

Safety - Job Safety Assessment to be completed for all tasks.

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Operation Toa

FENZ Operational Orders – Land Based Pool Phase

Role and Strategy:

FENZ will maintain salt, and mixed salt/fresh water supply to the Orca Pool. Water flow needs to re-cycle the whole pool every 4 to 6 hours.

FENZ will provide immediate co-responder first aid response on site.

FENZ will provide lighting and general scene safety support.

Tactics:

Direct sea water supply from boat ramp to pool via Portable pump.

Pool water removal by syphon & B Type ejector.

Safety & Hazard Management :

- Any person on site working within 10m of Sea on the Western site of eth club house MUST wear Life jacket (PFD) and operate in pairs or greater.
- No level 2 PPE to be worn. Wear L1 and storm wet weather gear.
- Be aware of electrical and hose trip hazards.
- Take regular sheltered breaks

Command and Control:

Senior or Nominated FENZ member on shift will be OIC FENZ.

OIC FENZ is responsible for:

- Briefing each crew on these Orders
- Monitoring FENZ crew safety & Operations
- Liaising with other agencies & attending scheduled meetings/briefings

OIC FENZ is responsible to (reports to) the Senior DOC member on site (Incident Controller or delegate)

Incident escalation:

For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliances/s
 For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

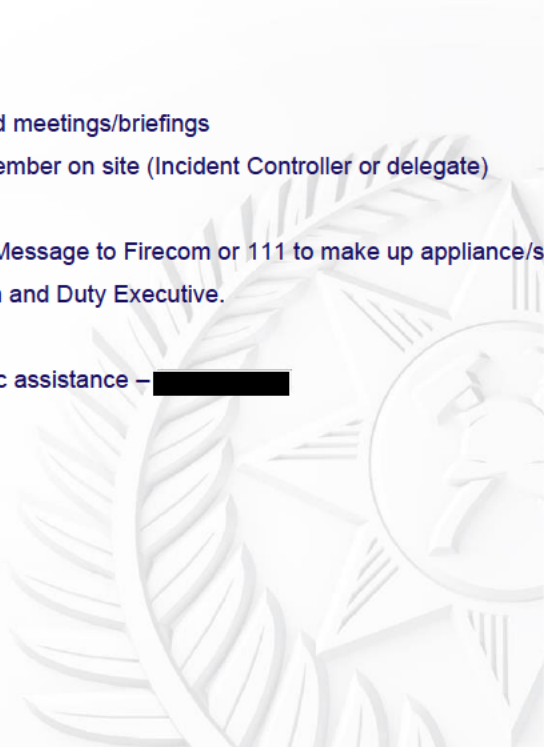
Rosters:

SSO [redacted] be contacted or Roster and Logistic assistance – [redacted]

Issued 12:00 Saturday 17 July 2021



Carl Mills
Chief Fire Officer



Action Plan Safety Analysis	Operational Period:								Name of Event: Project Orca Calf Mana	
Analysis of Tactical Applications & other Risk Analysis	Location (by Sector/Div)								other Risk Mitigations and Special Instructions: Sector A; Reunification, Sector B Orca Management, Sector C Security, M is "Management"	
	A	B	C	D	E		M			
ENVIROMENT										
1) Weather	X	X					X			Work in good weather forecasting periods, appropriate PPE
2) Tide	X	X								Check Tides/weather
3) Swell	X	X								Job Safety Assessment,
OPERATIONS										
5) Handling Orca	X	X								Health & Safety Plan, Job Safety Assessment,
6) 24 hours operation	X	X								Health & Safety Plan, Job Safety Assessment,
7) Working at in the water	X	X								Health & Safety Plan, Job Safety Assessment,
TRANSPORT										
8) Helicopters	X									Health & Safety Plan, Job Safety Assessment, Pilot Briefing
9) Snorkelling/Diving	X	X								Health & Safety Plan, Job Safety Assessment,
10) Boats	X									Health & Safety Plan, Job Safety Assessment, Standard Fiordland boat procedures
11) Hiab's/Trucks	X	X								Approved drivers and operators, appropriate PPE
EQUIPMENT										
12) Generators, pumps heaters, pools		X								Approved operators guides & Standard Operating Procedures, Health & Safety Plan, Job Safety Assessment,
HUMAN FACTORS										
13) Tiredness/Fatigue	X	X					X			Supervisors ensure staff and volunteers are fresh and do not have exceeded there own capabilities, Health & Safety Plan, well fed, appropriate PPE
COMPLIANCE										
14) Managing visitors, volunteers and NGO's	X	X	X							Work in pairs, avoid confrontation, discretion, Security on site
Operations Manager: [REDACTED]								Safety: [REDACTED] Date / Time: 22 July 2020		

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Sat 24 July 2021
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Documents referred to in the Incident Action Plans

Orca Calf (Toa) Reunification Plan

Final version at close of incident 24/7/21

First section scenario 1 ready to go.

Rest of document needed work.



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1 Purpose

The purpose of this document is to describe (following identification of a pod suitable for which to attempt reunification with) the tasks and roles to transport Toa from the holding pool or seapen at Plimmerton Boat Club (PCB), to a boat and attempt the reunification of Toa's with the pod.

2 Introduction

The decision to attempt a reunification sits with the Incident Controller, Ingrid Visser and Governance. This is based on a range of factors including -

- Pod Confirmation
- Weather conditions / Other safety considerations
- Resourcing availability

- Timing

Current cut off time for any release from the boat is 4pm. Working back from this will be determined by distance and vessel. The initial focus is local reunification with natal pod in the local Wellington vicinity.

The “Reunification Plan” preparation and carrying out of tasks in it is the responsibility of the Sector A Supervisor role as per the CIMS Incident Action Plan.

There are multiple possible scenarios for reunification, one of the main factors to consider will be location. This will impact transport from seapen/pool and vessel choice. Weather is a simpler factor in that either conditions are suitable or not.

Three scenarios (based on distance of road travel) are considered:

- Scenario 1 – Short - anywhere within a 10 minute drive. Toa can be transported on a trailer.
- Scenario 2 - Medium distance scenario is with road transport of more than 10 minutes and about around 2 hours. For this there will need to be an enclosed deck with the ability to rewet Toa during the journey.
- Scenario 3 – Long distance scenario will require a helicopter with sufficient internal cargo space for Toa (body length 2.12m, weight 200kg+-50kg).

3 Immediate Action

In any scenario, the initial critical action following confirmation a pod has been selected for a reunification attempt is to have the pod followed by boat or plane (as appropriate for location and conditions) to monitor the pods location. This is necessary as the location of the pod will determine which road transport action is used and which vessels.

4 Incident Comms Channel

DOC Radio Channel 8 Kapiti Repeater
--

5 Scenario 1 - Short Distance

Process Overview:

Karakia & Orca Tag

Phase 1: Lift Toa from sea pen onto horse trailer at site (20 mins).

Phase 2: Drive to the Mana Cruising Club Wharf and Christa Maria Boat (20 mins).

Phase 3: Lift Toa from horse trailer onto vessel Christa Maria (20 mins).

Phase 4: Lift Toa from vessel into sea and attempt reunification with pod.

5.1 Phase 1: Lift Toa from pool onto horse trailer

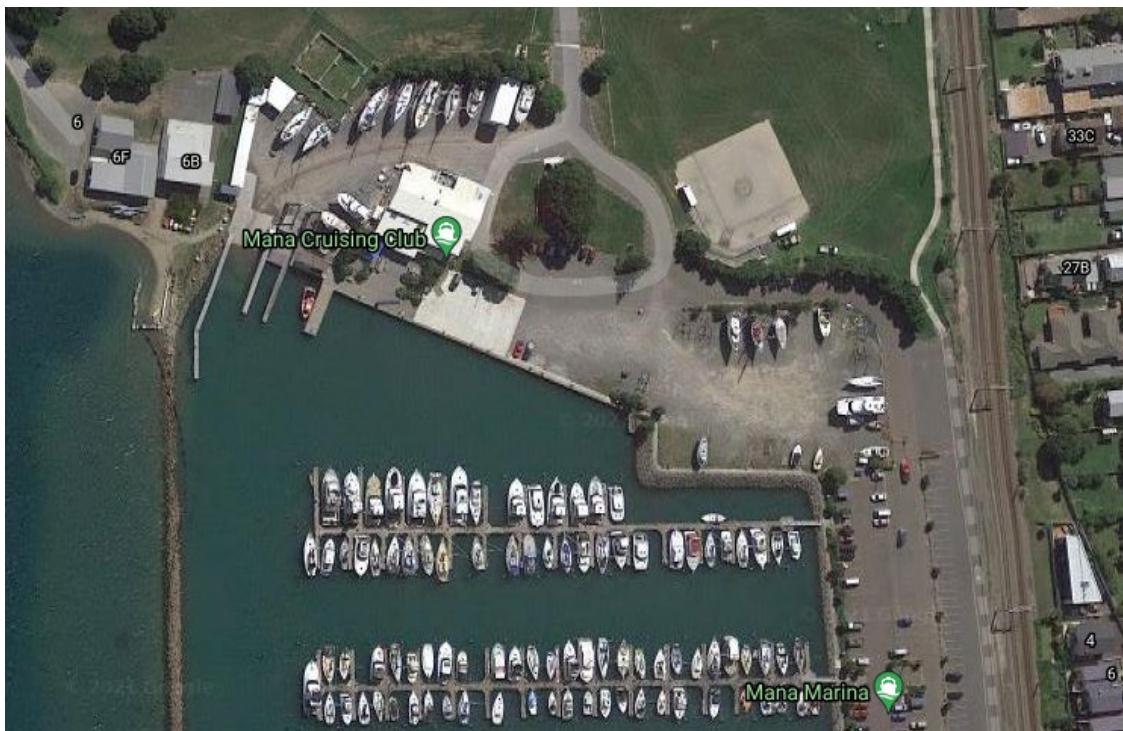
No.	Task	Who Key Contacts (role as per IAP8)
1.	Phone police and advise we will be transporting Toa by road.	Sector A Supervisor Police contact - [REDACTED] [Police Event Number – [REDACTED]]

2.	Phone Rough Terrain Transport to drive to Mana Cruising Club marina. Remind to bring scales, strops and spreader bars.	Sector A Supervisor ██████████ Back up (driver) - ██████████
3.	Phone Crista Maria boat skipper to prep boat and move to Mana Cruising Club wharf.	Sector A Supervisor ██████████ (skipper) – ██████████ (unavailable 24/25 July) Back up ██████████ (owner) – ██████████
4.	Activate 2 Support Boats PBC Niad – ██████████ at PBC DOC Boat – ██████████	Boat 1 - Niad (██████████ (Plimmerton Boat Club) ██████████ (back up Rongoa ██████████) Boat 2 - ██████████
5.	Prepare DOC Ute and horse trailer to receive Toa. - Mattress litter stored in equipment shed.	Sector A Supervisor Ingrid Visser
6.	Clear area around seapen to allow vehicle to back in.	4 persons TBC
7.	Confirm lifting equipment in trailer - - Red sling - 4 10L spray bottles filled with sea water to keep Toa damp - Extra mattresses and - Securing strap	Sector A Supervisor
	<i>If sea pool also need - Hi-ab, 10 carabiners & spacers]</i>	
8.	Karakia	
9.	Prepare Toa for transport: - Ingrid to advise i.e. sedation, final feed, final health check. - Place sling under Toa	Ingrid Visser
10.	Lift Toa from seapen onto horse trailer	Ingrid Visser 6-8 Volunteers

5.2 Phase 2: Drive to Mana Cruising Club Wharf

No.	Task	Who
1.	Drive to Mana Cruising Club Wharf 5 Pascoe Avenue, Paremata, Porirua	DOC Driver & Toa
2.	Toa support team in float. With DOC Radio Channel radio.	Ingrid Visser, Vet? 4 volunteers ?
3.	Short JSA to cover road journey. - Comms between cab and trailer	
4.	All required staff including all boat teams, 6-8 lifting volunteers drive to marina.	Boat staff as per section 4.3 No.2 below and 6-8 Lifting volunteers.

Photo of wharf: Boat will come from mooring to wharf in centre of photo:



5.3 Phase 3: Lift from trailer onto Crista Maria & Boat trip

No.	Task	Who
1.	Man lift Toa from horse trailer to wharf	
2.	Lift Toa from wharf onto Crista Maria using Hi-Ab truck (rather than boat Hi-Ab).	Hi-Ab Driver Christa Maria skipper
2.	Personnel on boat - 13 [Boat PAB 30 people subject to situation] Other personnel decision determined by IC and Sector A Supervisor	3 Boat staff 1 DOC Lead – Sector A Lead 1 Ingrid 4 Divers – [REDACTED], ? 1 Kaumauta 1 DOC Safety 1-2 Media TBC
3.	Equipment on boat	Sling and spreader bar DOC Radio – channel 8 Mattress litter for Toa
4.	JSA On Diver Safety - Diver Safety Plan Key Points - Diver Hazards	DOC Safety Lead

Support Boats –

	Boat	Boat	Passengers
1.	Support Boat 1	PCB Niad [REDACTED] POB 5-6	Skipper DOC Safety Lead TBC
2.	Support Boat 2	DOC Support Boat Maatara	[REDACTED] + spotter (DOC)
3.	Support Boat 3	Lady Liz POB 12	[REDACTED] + 5 Police DOC Media Liasion TBC – media / iwi?

5.4 Phase 4: Lift Toa from vessel into sea and attempt reunification with pod.

No.	Task	Who
1.	Skipper vessel to 1km in front of pod.	Christa Maria skipper
2.	Make decision to place Toa in sea	Ingrid Visser
3.	Lift Toa from vessel into sea	Christa Maria skipper
4.	Make decision to release Toa from sling	Ingrid Visser
5.	Assist Toa in water and ensure safely released from sling	Ingrid +1
6.	Divers into water	Maximum 4 at any time
7.	Christa Maria withdraws to safe distance	Christa Maria
8.	Niad (support boat 1) comes up to support divers	
9.	Make decision to call people out of water	Sector A Supervisor / DOC Safety Lead
10.	Monitor reunification attempt	Ingrid Visser
11.	Pull out time? 1 hour before dark? Or change of conditions	Sector A Supervisor Skipper

6 Recapture

Step 1 – Make decision to attempt recapture

Step 2 – Reverse steps above

7 Scenario 2 - Medium Distance – early draft for further work

Overview:

Phase 1: Lift Toa from pool onto vehicle (30-40mins).

Phase 2: Drive from Plimmerton Boat Club to Seaview Marina Fuel Berth (40 mins).

Phase 3: Lift Toa from trailer onto Police vessel Lady Liz.

Phase 4: Lift Toa from vessel into sea and attempt reunification with pod.

7.1 Phase 1: Lift from pool onto vehicle (30-40 minutes)

No.	Task	Who Key Contacts
1.	Phone police and advise him we will be transporting Toa by road.	Sector B Supervisor Police contact - [REDACTED]
2.	Phone Rough Terrain Transport to request Hi-Ab truck used to lift orca. Remind to bring scales, strops and spreader bars.	Sector B Supervisor Call - [REDACTED] Back up (driver) - [REDACTED]
3.	Phone skipper Lady Liz Crista Maria boat skipper to prep boat. [Located at Seaview Marina Fuel Berth, [REDACTED], Lower Hutt.	Sector B Supervisor Phone [REDACTED] On call number (backup) - [REDACTED]
4.	Prepare vehicle to receive Toa. Arrange Toa's mattress litter.	Sector B Supervisor
5.	Clear area around pool to allow lifting vehicle to operate.	4 persons TBC
6.	Lifting equipment out of shed and placed by side of pool: <ul style="list-style-type: none"> - Red sling - 10 Carabiners - Two wooden spacers 	Sector B Supervisor
7.	Prepare Toa for transport: <ul style="list-style-type: none"> - Ingrid to advise – sedation, final feed, final health checks? - Place sling under Toa 	Sector A Supervisor (<i>Ingrid Visser</i>)
8.	Lift Toa from pool onto vehicle	Hi-Ab operator

7.2 Phase 2: Drive to Seaview Marina Fuel Berth, 100 Port Road Lower Hutt

No.	Task	Who
1.		
2.		

7.3 Phase 3: Lift from trailer onto vessel

No.	Task	Who
1.		
2.		
3.		

7.4 Phase 4: Lift Toa from vessel into sea and attempt reunification with pod.

No.	Task	Who
1.	Skipper vessel to 1km in front of pod.	Lady Liz skipper
2.	Make decision to place Toa in sea	Sector B Supervisor ([REDACTED])
3.	Lift Toa from vessel into sea	Lady Liz skipper
4.	Make decision to release Toa from sling	Ingrid
5.	Assist Toa in water and ensure safely released from sling	Ingrid +1 (but maximum 4 in water at any time)
6.	Wait and see if Toa and pod reunite	Toa
7.	Make decision to call people out of water	Sector B Supervisor
8.	Monitor reunification attempt	

8 Scenario 3 - Long Distance

To come

Key Contacts

Who	Key Contact	Phone
Police		
Police Maritime Unit Police Event Number – [REDACTED]	[REDACTED]	[REDACTED]
Police National Command Centre		04 8170248
Local Contact Police District Command Centre	[REDACTED]	[REDACTED] 04 381 2008
DOC		
DOC Boat Matatura II	[REDACTED]	[REDACTED]
Other		
PBC Boat	[REDACTED]	[REDACTED]

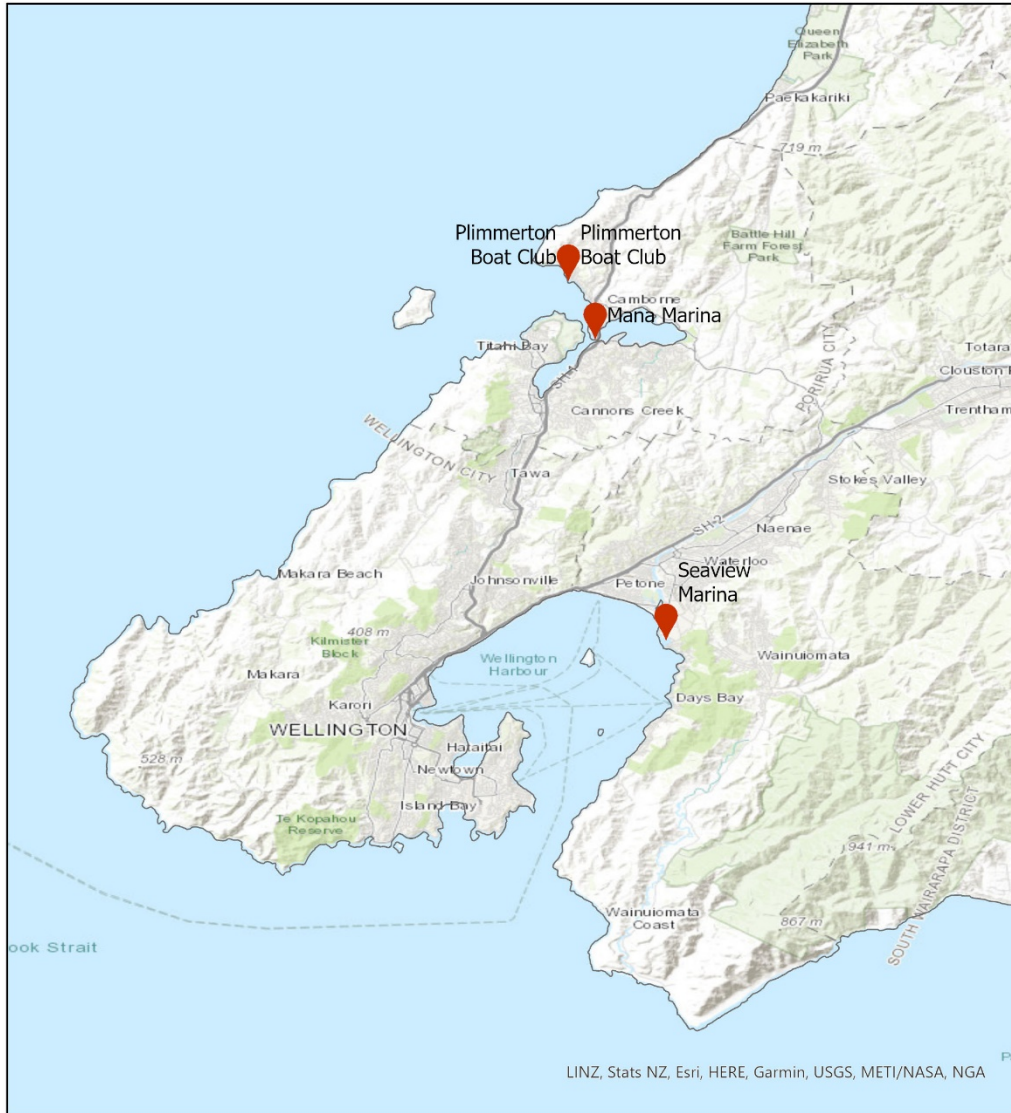
Documents

Document	Note	Link
20590 - Plimmerton Orca Safety Plan	In water safety plan	[REDACTED]
Hazard Register for Divers		[REDACTED]
Christa Maria - Basic Info.docx	Supplied by [REDACTED]	[REDACTED]

Resources

Item	Where-Who	Note
Hi-Ab truck	Rough Terrain Transport [REDACTED]	See vessel specifications below.
Christa Maria (vessel)	Mana Marina [REDACTED]	See vessel specifications below and word file: Christa Maria - Basic Info.docx (see document)
Naiad (Plimmerton Boat Club)	[REDACTED] (PB Club, Ngati Toa)	115hp, approx. 6m
Lady Liz (vessel)		

9 Marina Map



10 Vessel Specifications:

Lady Elizabeth (in red emailed to Mike McCarthy, awaiting reply from police)

Item	Spec
Length	
People	3 or 4 crew, plus 8 orca handlers
Cradle, depth in water at fully lowered	
Area can operate in	
Skippers Qualifications	
Cruising speed	
Travel time Central Wellington to Plimmerton	40 min
Can dock at Plimmerton Boat Club	Yes/no?
Can dock at Mana Marina	Yes/no?



Christa Maria

Item	Spec
Length	14m
People	3 crew, plus 9 orca handlers
Cradle, depth in water at fully lowered	
Area can operate in	
Skippers Qualifications	
Cruising speed	22knots
Travel time Mana to Seatoun	2 hrs
Can dock at Plimmerton Boat Club to transfer Toa	No. <i>But check if possible at high tide, was briefly discussed.</i>
Can dock at Mana Marina	Yes



Document Prepared and Added to by:

Date start	Name	Description
21/7/2021	[REDACTED]	First Draft

DRAFT

Euthanasia Plan

1 Purpose

The purpose of this document is to describe the tasks and roles to transport Toa from the holding pool to the euthanasia site, euthanasia and burial. This plan comes is to be enacted if the decision to proceed with euthanasia has been made by the Director Operations, Lower North Island Region (*Jack Mace*).

2 Introduction

Euthanasia is a highly emotive issue for many people, so needless to say all actions for this task must be done with due consideration of others. The decision to proceed with euthanasia sits with the Director Operations, Lower North Island Region (*Jack Mace*). In this plan where a CIMS role is stated, the name of the person undertaking that role at the time of writing follows in italics.

3 Personnel

In this early phase of the incident there has been one person on site each day, on standby, to undertake euthanasia should the need arise. The person to be delegated with this role might in future be based at their home base if it is thought there will be sufficient time from a decision being made to euthanise and undertaking the task.

Currently there are only four staff in the department with extensive experience in cetacean euthanasia, names below. These names have been provided in confidence to the Incident Controller (*Kirsty Prior*) and Sector B Supervisor (██████████). This list will need to be passed on to their replacements. If this list is required and cannot be located please contact either ██████████ (██████████) or Ian Angus (██████████).

4 Transport

Transport will be **on the 2.4m trailer with cage** that belongs to the Plimmerton Boat Club, and will follow the procedure detailed in the 'Reunification Plan' ([DOCCM link here](#))

5 Euthanasia Site

The euthanasia site is approximately 1.5km north of Plimmerton Boat Club and is located on Ngati Toa land. Road access and use of this land for euthanasia is by permission of Ngati Toa. Closing the private road to the public will be done by Ngati Toa (**contact Rongoa (phone number here)**) The route and site are indicated on the aerial figure below.

6 Euthanasia

Euthanasia will follow that described in described in the guidelines 'District Operational Plan for Marine Mammal Incidents' (██████████). A .308 rifle and 150grain soft nose ammunition has been

provided by Kapiti District Office for this task. At the time of writing this plan the rifle is being held on site by the staff member selected to undertake euthanasia. If, at a later date, the role is moved to being on standby elsewhere, then that person may choose to bring a rifle from their office.

7 Burial

Immediately following euthanasia, Ngati Toa will handle all requirements related to burial. [REDACTED] will be the key contact for DOC staff regarding this. Following euthanasia there is no requirement by DOC to undertake necropsy or tissue sampling.

Document Prepared and Added to by:

Date start	Name	Description
21/7/2021	[REDACTED]	[REDACTED] Draft

H&S Planning meeting 21/07/2021 1.30pm

██████████ (Club Manager PBC)
██████████ - Security
██████████ - H&S M'er
██████████ (Minutes)
██████████ -Ops M'er
██████████ (Whale Rescue Wellington Coordinator)
██████████ - Comms
██████████ (WWF liaison between vets, WR & DOC)

Minutes

Comms:

DOC Security monitor social media for threats.

Whale Rescue (WR) have one person in Australia (██████████) posting and monitoring social media. DOC offers to check WR posts and the impact it has (looking for potential threats to volunteers and the operation).

→ ██████████ to liaise with ██████████ (for gate updates)

How to coordinate messaging across all organisations involved? ██████████ shared contacts with ██████████ for coordination with Whale Rescue.

We need to be consistent with messaging on what's going on.

→ There will be print-offs at the 8.30 meeting that will be shared with everyone including partners for consistent messaging

→ ██████████ to share links of DOC updates with the Boat Club so they can share this on their website

→ We will also look into some more positive messaging in the media

Incidence reports

One local individual caused some conflict with the security gate staff. How to deal with it in the future.

→ Have some news at the gate for the public that try to come in. Give the security staff some updates on the orca that they can pass on to the public.

→ Guidelines for security staff in general

→ Mike McCarthy will be SPA to provide briefing and as contact for security staff. Mike then brings any issues to ██████████

Boat Club Members

Some Boat Club members feel alienated from their own club.

→ Have updates for Boat Club members

→ Decide on viewing times. Reactively share these with iwi and club members if they ask to view Toa.

Major issues to solve

→ Who do non-DOC people speak to especially if things in the plan change?

→ Provide plain drinking water for staff. Where can people fill it up?

Other decisions made

→ Have only one DOC person to contact for partners:

- 1st contact: Ops Manager (██████████)
- 2nd contact: H&S Manager (██████████)

It is the Ops & H&S managers responsibilities to keep them informed in case of role/people change

- ➔ █████ SPA for Boat Club issues (she might take half a day off but will let █████/Ops M'er) know who'll replace her). Second option is █████ is iwi contact.
- ➔ Regular catch-up on H&S with DOC and partners at 10am quite part of the bar.
- ➔ Aubrey to organise a drinking water fountain. Everyone needs to bring their own drinking vessel.
- ➔ Speak-up if you see anything that is not OK e.g. somebody is on for too long
- ➔ Create printed/laminated copies to share with partner leads

Hazards

1.	Hazard mitigation
2. Fatigue	<ul style="list-style-type: none"> • WR: Pulled in some people into the caravan if they have been with the orca several times (there are enough people for the whale but not for the admin). Put a roster in place that allows for adequate rest. • Self-management
3. Weather Cold, storm etc.	<p>Volunteers sign a sheet, have an induction. No one is allowed longer than 1 hrs in the pool. Hot showers on site Adequate PPE (gear list has been provided to volunteers) Until designated shelter arrives feeder to huddle in vet shelter and provide heater</p>
4. Pool as bio-hazard	Volunteers that leave the pool to immediately take a shower and remove soiled water
5. Electrical items	<p>Mats that cover electrical leads. RCDs covering Too many items that use power. Power boards not perfect and if something blows it'll take a while to sort █████ manages high-power consuming devices And make people aware that this is an issue</p>
6. Vehicles	<p>Caravans have been removed Be mindful about moving vehicles Vehicles removed after 4pm</p>
7. Pump noise	<p>Managed through DOC JSA Noise around pool needs to be pre-approved</p>
8. Sea-pen	Talk about when we get there
9. Emergency at site	<p>During the day █████ to lead evacuation. Everyone is responsible to leave the building when alarm sounds. Building warden to make sure that people are out. At night bar staff if there is a function and a DOC warden</p> <p>Around pool: everyone will hear the alarms and will assemble in front of the gate</p>
10. Difficult people	<p>Key points of contact to be directed to Security guards are properly briefed, as well as all the partner leads</p>

H&S catch-up 22/07/2021

██████████ (WR)

WR update: Roster is working better, briefing/handover is working well, very diligent about pool people's H&S, plumbing issue being sorted as we speak.

→ ██████ showing ██████ where to reset the power.

Sparkies have checked the front boat shed and everything was alright there.

Yesterday there was an overload around the caravans.

→ ██████ to recommend sparkies to ██████.

→ ██████ to triple check the power issues

→ ██████ to organise more thingies that go over the cable to prevent trip hazards

→ ██████ to talk to Fire Fighters to be more mindful about fire hoses lying around

██████████ has spoken to the council who bring a rubbish truck to pick up the first mountain of rubbish

→ ██████ to set up recycling options in the bar area

Somebody blocked the doors with a wheelbarrow: **Don't block the doors!**

A Boat Club member was asked to sign-in. ██████ has asked repeatedly for members not having to sign in.

→ ██████ to advise Security Guards again that members do not have to sign in

→ We need to consider making the site layout that you're led directly to Boat House

Once the orca is in the sea pen it will be easier to manage site visitors

Thursday night, Friday night, Saturday all day we can't use the bar. Next week will be a conference on Tuesday, Wednesday with up to 100 attendants. Consider reducing whale people on site.

→ We will have to manage this somehow.

→ ██████ to put up a sign to not use the terrace door in the bar room.

Too many visitors to see the orca. We need to manage this somehow.

→ ██████ to have a think on how to manage this (based on vets' guidelines)

→ ██████ to create DOCCM link with minutes

H&S catch-up 23/07/2021am

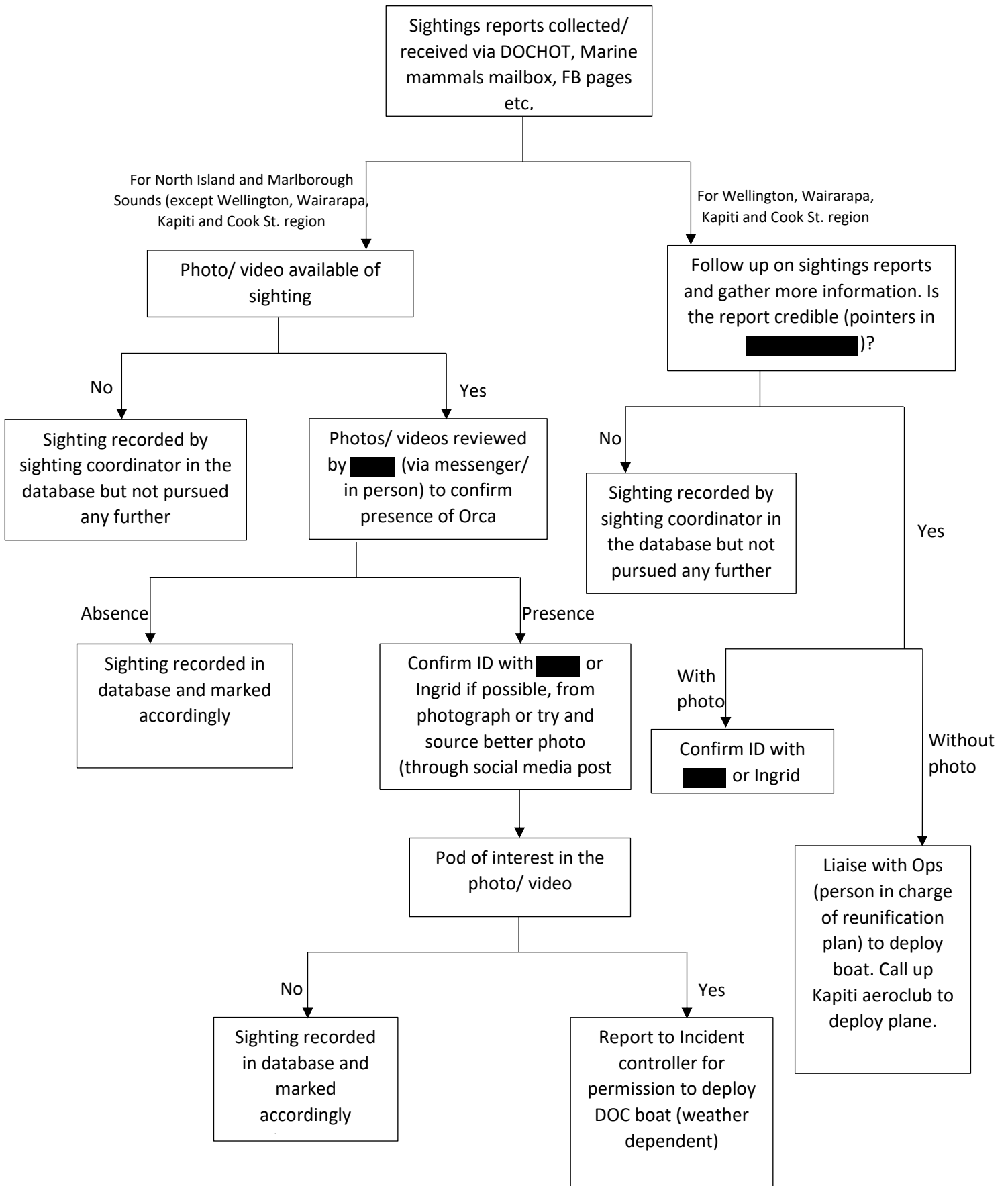
Morning check of Sea pen raised a couple of issues. Cable tie trip hazards removed and ramp astroturf coming from Kenepuru office on the next run.

Volly check in and out being done well.

Shifting of fences to outer area 1.30pm

Hazard	Description	Controls	Risk
Sea conditions	<ul style="list-style-type: none"> - Current - Temperature - Swell - Wind 	<ul style="list-style-type: none"> - Determine conditions before leaving marina - Assess conditions at release site before entry into water 	Medium
People	<ul style="list-style-type: none"> - Competence in water with orca 	<ul style="list-style-type: none"> - PPE <ul style="list-style-type: none"> • Full wetsuit (6mm+)/dry suit • Fins/mask/snorkel • Small weight belt (1-2kg) - Max 4 people in the water. 1 back up diver available - Assessment of pod behaviour before entering water 	Medium
Floating away	<ul style="list-style-type: none"> - Group split up - Cold water cramps/shock - Lost visibility 	<ul style="list-style-type: none"> - Each diver to have a spotter - Dive flag on boat showing - Loud hailer on boat - Throw rope - Air horn to attract attention 	Low
Props/boats	<ul style="list-style-type: none"> - Strike by prop (to people & orca) - Hit by boat - Breaking vis to divers - Duckboard (backing over diver) 	<ul style="list-style-type: none"> - Create cordon of other users - Loud hailer for comms - Ideally have transom for entry/exit - Disengage motor before divers enter water - Experienced skipper 	Medium
Orca	<ul style="list-style-type: none"> - Adult behaviour - Fluke strike 	<ul style="list-style-type: none"> - Stay clear of fluke - Assess pod behaviour before juvenile release 	Low
Marine life	<ul style="list-style-type: none"> - Sharks - Jellyfish 	<ul style="list-style-type: none"> - Spotters looking for fins/signs 	Low
Timing	<ul style="list-style-type: none"> - Dark and unable to see divers - Lost contact visually 	<ul style="list-style-type: none"> - Sunset @ 5:09pm - Assess exit time based on light/cloud/rain 	Medium

Reported Orca Sighting and validation workflow:



Orca sightings database

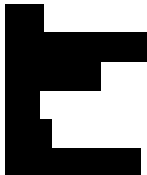

Name	Email	Phone	Sighting date	Sighting time	Location	Latitude	Longitude	Observer location	Weather conditions	Description	No. of DOC notes
[REDACTED]			23/07/2021	16:54	Wellington Harbour				Calm	Orca in Wellington Harbour	No photos, videos or further information possibly available
[REDACTED]			23/07/2021		Wellington Harbour					Called to notify of V.C. Deals post - second hand information	Checked V.C. Deals post - available
[REDACTED]			23/07/2021	15:10	Owhio Bay			Land	Calm	Possible sighting of 2-4 orcas - not 100% certain of sighting - pod traveling towards Island Bay	2-4 Called up - asked for photos
[REDACTED]		9	23/07/2021	15:00	Owhio Bay			Land	Calm	Orca beaching in and out of water - swimming in the same general area	2 DOC followed up and asked for photos - most likely Humpbacks - videos received from [REDACTED]
[REDACTED]		8	23/07/2021	11:19	Kapiti Island	40°51'58.55 S	174°56'26 E	Land	Calm	Spotted pod of orcas on the Rangitikei came ashore on Kapiti Island and captured the video - see 3 films.	4-6 Followed up - received the video - video checked - [REDACTED] and [REDACTED] confirmed as orca - DOC boat and a c. aft saw from 2 miles to see ch the orcas - c. aft saw ched for 500 hours and could not locate the pod.
[REDACTED]			23/07/2021	10:00	Raumati Beach, near Kapiti Island			Land	Calm	Orca swimming off Raumati Beach	2-4 Called and followed up - we fed the orca, asked to keep an eye.
[REDACTED]			23/07/2021	11:35	Pukekaha beach			Land	Calm	Saw orcas on the beach, but concluded seabird diving	0 called and followed up
[REDACTED]			23/07/2021	10:55	Raumati Beach			Land	Calm	Pod of orcas located 150-200m offshore - swimming south	4 Confirmed sighting, DOC boat and a c. aft from Kapiti Ae o Club deployed to see ch the orcas. Volunteers were asked to keep an eye out.
[REDACTED]			23/07/2021	09:35	Greta Point			Land	Calm	Too far away to dent flyspout	2 Called and followed up and asked to keep an eye on the orcas
[REDACTED]			20/07/2021		Tauanga Harbour			Land			7-8 No photos or videos
[REDACTED]			22/07/2021	16:30	Melrose Bay, Melrose Bay, Auckland			Land	Calm, clear	Pod of Orca swimming visible from the pier	3-5 Reported via direct phone call to Sighting coordinator. Was advised to capture a photo/video if possible.
[REDACTED]			22/07/2021	12:40	Off Awahou			Vessel		Reported on behalf of fisherman [REDACTED] - fisherman spotted a gang of whales. 2 less off Awahou - heading north to Bothero Island. 2 med um sized orcas in the pod and one conf med female	6 Told call up the fisherman but unable to get through. Dropped a message to him and contacted the sea club but plane unable to take off due to bad weather. Fisherman later called up and gave details of the pod
[REDACTED]		3	21/07/2021		Pilot Bay, Tauanga			Kayak	Sunny	Called to report sighting - orcas for photos she spotted on Facebook	3 Photo in mammal mailbox
[REDACTED]			21/07/2021	16:45	Campbell Bay, Kaitiaki			Land	Calm	They were traveling north off the coast of Kaitiaki.	2-4 Have photos - but not good quality.
[REDACTED]			18/07/2021	12:21	Melrose Bay, Melrose Bay, Auckland			Land	Sunny	Pod of Orca outside of pier. No ghouls also saw them through telescope	9 Video available. Called up to follow up on the video
[REDACTED]			21/07/2021	13:15	Papamoa beach			Land	Slight swell, overcast	Pod of orcas moving along shore - no hunting sightings	3 No Photos/videos
[REDACTED]		2	21/07/2021	12:01	Maketu, BOP				Overcast, no swell	Pod of 5 orcas swimming north along the coast	No Photos/videos, A member of public reported a sighting on the same orcas at the same time that was followed up by a DOC volunteer
[REDACTED]			21/07/2021	11:30	Newmarket Beach, BOP				Slight swell	Swimming a little bit further from the coast	5 Video available of the sighting
[REDACTED]			21/07/2021	11:00	Pukekaha Beach, BOP					Heading north towards Maketu	No Photos, reported on behalf of [REDACTED]
[REDACTED]			21/07/2021	10:38	Pukekaha Beach, BOP					Playing in the surf 200m off the coast	3 No Photos/videos
[REDACTED]			21/07/2021	13:00	Tauanga Harbour	13.39 3555	176.5 198E	P. Vessel	Light wind flat	Feeding sightings about 5m less up from the pier	6 One caught in the pod. Video uploaded to his YouTube channel
[REDACTED]			20/07/2021	18:30	Waikato Beach, Pelorus Sound			Vessel		Heading towards Cook Strait out of Pelorus Sound	2 Reported via Hecto - Dolphin sighting app. 5 miles away - received in mammal mailbox from [REDACTED] - received images
[REDACTED]			20/07/2021	15:30	Tauanga Point			Land	Calm	200m of Tauanga Point. Hunting Pod	7 No photos or videos.
[REDACTED]			20/07/2021	12:45	Mangere Bay, Auckland				Light showers wind	Orca swimming north by Rothesay Beach Reserve. Confirmed they are orcas	4-5 No photos or video. We waited for the sightings with imagery available for ID of pod.
[REDACTED]			20/07/2021	12:25	Island Bay, Wellington				Calm	Saw a fin just off the rocks from aqua um, saw white and black	1 Contacted [REDACTED] and he sent through footage. We had quality and no blowouts - diving/feeding behaviour so think it's a male
[REDACTED]			20/07/2021	07:40	Fitzroy Bay	41.25 380	174.527387 E	Vessel	Calm	Fishermen called in pod sighting.	7 Please swim coordinates to check but, still had no sightings. Pod called away from location to check, no sightings, pod swimming to Pukekaha Bay, no sightings and returned to base.
[REDACTED]			20/07/2021	07:51	Off Maketu, Wellington			Fe y	Calm	Saw pod heading towards Wellington/Seatoun	7 Trying to get in touch as has potential to get video, footage being sent through. A plane fly by resulted in nothng. Reviewed footage and saw a log.
[REDACTED]			19/07/2021	16:45	Tauanga Harbour				Calm	Pod heading away from pier	5 We gave a my photos but one didn't take. Passed to friend to verify. Fisherman seen in dual. Inq. if says not an orca from the metal pod.
[REDACTED]			19/07/2021	14:45	French Bay, Auckland				Calm	Heading towards Hiko Bay. Will be sending video through	2 We tried to get video from through to me - mammals@doc.govt.nz
[REDACTED]			19/07/2021	15:30-16:00	Mangere Bay, Auckland				Calm	Orca a few orcas in the Mangere Bay - in front of the blockhouse bay car park. She belives they were feeding on the orcas	5 Will be same pod as ment on above
[REDACTED]			19/07/2021	12:15	Toiy Channel entrance			Fe y	Fine	On the ferry to Pukekaha and they were just entering the sounds when they saw a pod of orcas leaving the sounds towards the coast	5 DOC boat responded to try and get eye patch photos. Fisherman sent through but same pod as being reported in Toiy Channel through the coast of the day.
[REDACTED]			19/07/2021	11:10	Ngamahau Bay, Aotearoa Island			Land	Fine	They were out on boat and saw the whale 200m from shore. With her was on the phone he also saw 1:30-2:00 from also while	5 [REDACTED] sent through photos by email. Reviewed with the pod and too low res.
[REDACTED]			19/07/2021	10:35	Opposite Fishermans Bay, Aotearoa Island			Land	Fine	Sighted yesterday and again today, heading into the channel towards Pukekaha. Large bull and mother and calf	5 Called to verify. They will keep an eye out for any other sightings and will try to get video.
[REDACTED]			18/07/2021	15:30-16:30	Toiy Channel			Vessel	Fine	Good video sent through to me - mammals@doc.govt.nz	7-8 Reviewed with the pod and they have identified. Not the pod but a close association. Mother and calf present.
[REDACTED]			18/07/2021		Raumati Beach, near Kapiti Island					Two orcas out by Kapiti Island, she swam away so could not call to tell	2 Reviewed Kapiti Island webcam and cannot verify sighting
[REDACTED]			18/07/2021	13:45	Ngauru Bay, Queen Elizabeth			Cook Strait	Fe y	1 male evident. Seen from distance	4-5 Matches other sightings from today
[REDACTED]			18/07/2021	13:36	Kawau Bay, Toiy Channel					Orca pod seen, low confidence - sighting	3 This bay down to see at suspect it's Kawau Bay and matches with other Toiy Channel sightings today
[REDACTED]			18/07/2021	09:45	Entrance to Toiy Channel				Fine	Heading out on his boat and not called a couple of orcas heading into the Toiy Channel from a few hundred meters away. Definitely a male.	2 Experienced false sighting of ID. Lacking with local DOC staff to see if any vessels in area can get video or photos. Fisherman in sounds so safe conditions.
[REDACTED]			18/07/2021	08:04	Pukekaha Bay				2nd hand info	Apparent sighting at Pukekaha Bay	Phone number incorrect, no other reported sightings to validate the sighting. DOC staff went to location to confirm and nothing sighted.
[REDACTED]			17/07/2021	17:28	Pukekaha Bay				Sto my and da k	Called to see two sets of fins come out of the water which they were confident were from an Orca. They have been popping up every few	2 Will be same pod as ment on above
[REDACTED]			17/07/2021	16:45	Off Paopao Beach, Kapiti Island				Sto my	Video of solo male, can't see them at 16:57	1-4 Sto my weather will shift any time, asking people to watch and follow progress of pod
[REDACTED]			17/07/2021	16:45	Off Paopao Beach, Kapiti Island				Sto my	Heading towards Wellington, just beyond breakers	1 Sto my weather will shift any time, asking people to watch and follow progress of pod

[REDACTED]	[REDACTED]	17/07/2021	16:20	Kap t a ea	Sto my	Saw a pod swim through Kap t a ea by Kap t Island	3	Sto my weather will shift anyve f cat on t p, asking people to watch and follow progress of pod	
[REDACTED]	[REDACTED]	16/07/2021	18:00	Ta ua He bou , Co omandi	2nd hand info	video of pod in Ta ua He bou on Ta ua ch tchat facebook page, mother and calf	3	Shown video to whale rescue- had to determine pod from quality of video	
[REDACTED]	[REDACTED]	15/07/2021	09:00	Head ng out to B ooms Island, Pap apa aunu		Sighted 1 f om wo k	6-7	Sent a doc ang to view from beach, hel copter and DOC boat, see at sweeps by sea club. No photos and no luck finding the pod	
[REDACTED]	[REDACTED]	15/07/2021	11:22	Pa emata B dge		Saw 2 fms but did not see again	2	Checked on site, checked in with other people in the vicinity and no sightings	
[REDACTED]	[REDACTED]	14/07/2021	17:32	Kawa oa Reef, Ta anak		[REDACTED] f ends spotted the oca ea l e th s after noon when lot do ng waka ama. They were headed towards Kawa oa Reef, Ta anak. She said she'd let y have one of the f ends who actually saw them ng in with some more info mat on.	7	Evaluated that getting the e was too far away, no mode of transport	
[REDACTED]	[REDACTED]	14/07/2021	17:30	Po t Ta anak		Saw the Ocas heading up North past Po t Ta anak.	5	Evaluated that getting the e was too far away, no mode of transport. Video footage	
[REDACTED]	[REDACTED]	13/07/2021	16:57	Lya ll Bay - pod by tunnel on Lya ll Bays de, that goes through to a port		Can see pod of sea mammals usually from View Road, Houghton Bay, which looks over the Wellington a port and ha bou .	3-4		
[REDACTED]	[REDACTED]	12/07/2021	09:30	Stent Road, Ta anak	Calm	Sighted a Mum and Calf heading north of Stent Road. Less than 100m from shore	2	Evaluated that getting the e was too far away, no mode of transport. Video footage	
[REDACTED]	[REDACTED]	4/07/2021	09:00	300m mark out from Ngawa lighthouse (near Cape Pallase)	Pvate vessel	Calm	Sighted calf with fish ng, adult su faced bathed boat a short time later and swam around us saw at time before moving off leaving behind a blue nose (marking its head)	2	Suspect the data has been entered in the wrong? May mean 14th?
[REDACTED]	[REDACTED]	29/06/2021	11:45	Gisborne port		Mum and calf in Tu anganu ve	2	Not too relevant at this point, too high to call	
[REDACTED]	[REDACTED]	25/06/2021	12:38	Port Huiawell		Video of pod, could be the pod that the baby oca came from	6	Video name mammals inbox	

Sighting questions

1. What is your phone number?
2. Name of person(s) – can we call you back? What time to call?
3. Where did you see them?
4. When did you see them?
5. Are they still there now?
6. Do you have any photos or videos? If No can you photo/video now?
7. Can you send the video/pictures – email, facebook?
8. What did you see? If you saw breath puffs its possibly an orca
9. Which direction were they travelling in?
10. How many orca?

Sighting verification

- | | | | |
|---------------------|---|---|--|
| 1. Kapiti Aero Club |  |  | to coordinate aerial verification |
| 2. DOC boat | | | to coordinate sea-based verification |
| 3. Kapiti Guardians | | | to place a post on social media Kapiti guardians and Whale watch |
| 4. Drone pilot | | | Happy to come and use a drone to get footage if required |
| 5. Transport boat | | | This is the vessel that will be used to a re-unification mission |
| 6. Police boat | | | Coordinate the police boat Lady Liz based in the harbour to confirm possible sightings |