

[REDACTED]

From: Ian Angus
Sent: Sunday, 11 July 2021 3:09 pm
To: Media
Cc: [REDACTED]
Subject: Baby orca stranded at Plimmerton

Just heading out now.
Ian

Sent from Workspace ONE Boxer

From: [REDACTED]
To: [REDACTED]
Cc: [Jack Mace](#); [Angus Hulme-Moir](#)
Subject: Plimmerton Orca Stranding
Date: Sunday, 11 July 2021 9:26:07 pm
Attachments: [image001.jpg](#)

Morning All,

In case you haven't heard, we've been responding to a stranded juvenile orca since Sunday afternoon. Attempts by Project Jonah and Whale-Rescue to refloat the little guy have been unsuccessful to date.

[REDACTED] on Standby) has been leading DOC's response admirably with brilliant support from Ian Angus and [REDACTED] on the beach, and [REDACTED] in the water. [REDACTED] has been deftly managing the media and just generally being incredibly helpful.

As you can imagine, this is a raw, emotional event with complex partnership issues to negotiate as we all try to act in the whale's best interests.

The Plan from here?

- [REDACTED] will be our presence beside the whale on Monday, supported by [REDACTED] on the water, if needed.
- Ian and [REDACTED] will continue to provide expert advice and we expect Jack to be onsite at some point tomorrow to assess the situation.
- [REDACTED] will liaise with Ngati Toa and [REDACTED] will continue to front any media work. I'll rely heavily on [REDACTED] advice about the need to go to a SIMS structured response during the day.

Please lend a hand to support your colleagues wherever possible so we can help get this little guy back with his pod...or humanely put down, if that's what it comes to.

Thanks all,

[REDACTED]
(Acting Ops Manager)

PS. Angus is back on Wednesday morning at 8:37AM

[REDACTED] | Senior Ranger, Recreation & Historic
Department of Conservation *Te Papa Atawhai*
Kapiti Wellington | [REDACTED]

From: [REDACTED]
Sent: Sunday, July 11, 2021, 19:31
To: Ian Angus; [REDACTED]
Cc: Media
Subject: RE: Whale, Plimmerton

Thanks for chatting with me – updated statement below

Please attribute to DOC Marine Species Manager, Ian Angus:

The Department of Conservation (DOC), Whale-Rescue.org and Project Jonah have been on site at Plimmerton beach this evening to assist in the stranding of a juvenile orca.

Whale-rescue.org is leading the response and the DOC marine team is on hand to support and supply technical advice.

This evening we, alongside the rescue team had attempted to locate the baby orcas pod to return it safely to its family. Unfortunately we were not successful in locating the pod.

Overnight, to keep the calf safe, the rescue team have loaded the calf onto a trailer where it will be kept onshore, actively monitored by Whale-rescue.org and kept moist and cool overnight. This is a common practice for beached orcas separated from their pod. The method allows a safer and more active monitoring of the calf overnight.

DOC will reconvene with the search team tomorrow morning to continue to monitor the calf, ensure it is safe and help locate their pod. To assist us in finding their pod DOC is asking anyone in the Wellington region, who are out enjoying the moana to please report any sightings of orcas directly to 0800 DOC HOT.

Ngā mihi nui,

Marketing Communications Advisor | Kaitohutohu Whakapātairanga
Department of Conservation | *Te Papa Atawhai*

M:

Tāmaki Makaurau/Auckland Office

Bledisloe House, 24 Wellesley Street, Auckland 1010

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After Hours Media Support: Phone: +64 4 496 1911 / media@doc.govt.nz



[REDACTED]

From: Jack Mace
Sent: Monday, 12 July 2021 8:51 am
To: Michael Slater
Cc: Ian Angus; [REDACTED]
Subject: Stranded orca calf

Kia ora Mike

As mentioned last night. [Hunt for stranded orca's family off Wellington coast | Stuff.co.nz](#)

Yesterday an orca calf separated from its pod and stranded near Plimmerton, Porirua. Project Jonah, Whale Rescue, and DOC staff responded. An initial attempt was made to reunite the calf (in a private boat, with DOC boat Mataara II in support) with its pod but they could not be located by the time dusk fell and the calf was returned to shore.

The calf was supported overnight by Whale Rescue volunteers under the supervision of Ingrid Visser. As of this morning it is back in the water supported by volunteers and appears well. We have [REDACTED] our marine ranger present. Mataara II is on the water searching for the pod and we have Kapiti Heliworx and the local aero club undertaking an aerial search for the pod. If we can find it today we will support WR to reunite them.

Ian has offered to be spokesperson for media enquiries and his team will work with the media team and our local office under acting Ops Mgr [REDACTED]

I'll let you know anything critical that comes up otherwise everything under control at this stage.

Cheers

Jack Mace

Kaihautu Matarautaki – Ki Te Araroa ki te raki, ki Te Upoko o Te Ika ki te tonga, ki Turakina awa ki te hauauru, ki Rekohu/Chathams/Wharekauri ki te rawhiti
Director Operations – Lower North Island
Te Papa Atawhai | Department of Conservation

[REDACTED]

From: [REDACTED]
Sent: Monday, 12 July 2021 3:47 pm
To: [REDACTED]; Ian Angus;
Cc: Angus Hulme-Moir
Subject: CIMS meeting notes

Kia ora all,

Here are the minutes I captured from the meeting. For future meetings does it work for everyone that I capture action points, rather than the discussions surrounding these?

I will tidy these notes when I can, but thought it best to get them out as soon as possible

[REDACTED]

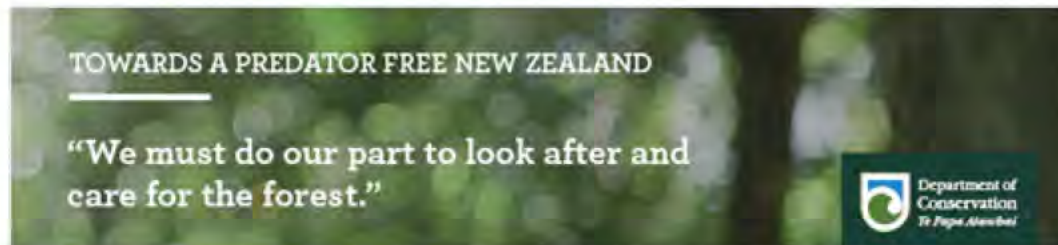
Ngā mihi,

[REDACTED]
Business Support Officer | Āpiha Ūmanga Āwhina
Department of Conservation | Te Papa Atawhai

[REDACTED]

Kapiti Wellington Office
13B Wall Place, Porirua, 5022
PO Box 5086, Wellington, 6140

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CIMS juvenile orca meeting – KW District

Time: 2:00pm

Location KW office/Teams

Present:

[REDACTED], Ian Angus, [REDACTED]

Introductions:

- [REDACTED] – KW team, media
- [REDACTED] – KW team, treaty
- [REDACTED] – KW team
- [REDACTED] – KW team
- [REDACTED] – marine technical advisory
- [REDACTED] – marine species team
- Ian – manager of marine species team, at scene yesterday – spokesperson
- [REDACTED] – comms advisor in HWT – in to help out/take over from Tamara
- [REDACTED] – Down at scene
- [REDACTED] – Auckland comms advisor – on media duty when this happened but handing over to [REDACTED] this afternoon
- [REDACTED] – National comms team lead, supporting [REDACTED]
- [REDACTED] Currently acting ops manager

Run through cims structure:

- Currently Whale Rescue group, no one from Project Jonah present
- Number 1 priority is to locate pod to reintegrate juvenile

Goal:

- Reintegrate it with pod – what then?
- To decide and act on the best approach for the welfare of this animal

Timeframe for when we should consider euthanasia? Or worth considering releasing the animal – an attempt was made yesterday but they weren't willing to release it without finding the pod.

It should be considered that just because a calf could survive 2 weeks, doesn't mean that it should be left for that long

Roles/responsibilities:

- Who best for planning/intelligence role?
- Media phone line isn't monitored – use inbox media@doc.govt.nz
- [REDACTED] – key contact with iwi – he has formally informed them at 9am this morning but hasn't since then, and has 2 people on hand available for karakia if euthanasia is needed

What's happening at site ([REDACTED]):

- [REDACTED] went down there @7:30am this morning to be the DOC presence at site

- He's had contact from RNZ and gave them a quick answer based on info from [REDACTED]
- Been a key contact for Ingrid Visser
- Calls about sighting of orcas at Ngati Toa domain – skipper [REDACTED] has gone to look
- Vets will be there 4/4:30pm to give it some electrolytes
- Approx. 100 people there and only [REDACTED] there so looks more like Whale Rescue is running the show. Jack showed up and reminded Ingrid that [REDACTED] is the officer in charge
- The pod that showed up are unlikely to still be in the area
- Status of orca: Condition and behaviour has changed – skin drying out and more lethargic, but currently in water. Any plans to put it back on trailer? No – will put a fence out around boat ramp and hold it there overnight. Will people be with it overnight – yes still planning on having people in water with it. Do people need to be in the water? – Would need technical advice on that – dangers to being in the water at night, especially due to cold and visibility.

Need to make sure we have people as back up as there will be people going in and out of the structure due to leave/breaks being needed. It's important to make sure there are people ready to take over who have the right background knowledge.

Expenditure being directed to DOC KW marine code (code to be found)

NO will absorb cost as it is, but will charge to a code if one is created. [REDACTED] to put it into general marine mammal code.

Any reference documents to be entered into CIMS document

If the current sightings of pod are the correct pod – what's next? If it's not the pod, how long do we keep searching for the correct pod?

Decisions go through incident controller to the teams, and then get fed back.

If we are to involve Whale Rescue, then we should agree to a time and meet at that time and keep it as streamlined as possible. We need to make it clear that we are in charge of making decisions.

When do we bring iwi into the structure? We will need to keep this in mind if this process continues for a while.

How long are we willing to let this go on for? The longer we leave it the more compromised the welfare of the animal is – [REDACTED] and TAG team to come up with an answer and provide best advice to [REDACTED]. It would be good to get independent experts to consult as well so it's not solely a DOC decision.

If we go down the line of euthanasia, what options do we have and do we need to start thinking about who/what that may be. We need to make sure we've lined up what's needed to have this conversation and make the decision. It will be important to have independent advice to help with the decision making. [REDACTED] has been made aware of the situation and that he may be needed for advice – should have them as part of ops team and clear it with their manager that they can be involved.

Have we had conversations with iwi in regards to euthanasia and necropsy if needed (Massey have expressed availability to do so) – [REDACTED] to have conversations beforehand

Add into document where you can – [REDACTED] to send out minutes.

We should have these meetings daily at the moment – update in the morning about overnight and then one in the middle of the afternoon to look at what's next as media will need to keep on top of the game. Set times for updates – will need to be agreed on with Whale Rescue and need to be communicated so people know when to expect update.

People safety – how do we ensure our people stay safe when they're out. [REDACTED] is to check that Whale Rescue have a health and safety plan, our staff will adhere to our health and safety plan. Worth being aware they may have different health and safety standards.

We need to make it clear to the public that we are in charge/the ones responsible.

Decision needs to be made on whether people will be with the whale overnight, and it shouldn't be communicated by [REDACTED] alone. Need reports on whether orca is able to swim freely on its own or whether it needs people with it. [REDACTED] can ask vet for feedback on animal being on its own overnight.

Onlookers – how do we keep general public back slightly? The area could be closed off.

We need to support [REDACTED] on the ground – he will be needing to leave soon and we need to manage that transition.

We need to make a decision on what happens tonight and communicate this to Whale Rescue. We could get a security firm in to help with the general public. These decisions need to be made soon so we can get these in place. Security firm would need to be well briefed/given key messages.

If vets are going to do rehydration can we please get an update straight after that for a media update.

Next meeting: Tomorrow 2pm. Media will want something for morning news cycle – [REDACTED] will update [REDACTED] @8am if possible.

From: David Hunt
Sent: Tuesday, 13 July 2021 11:17 am
To: Jack Mace
Subject: Emailing: Incident Status Summary for Orca TGA 2016, IAP Orca calf 30th July 9am - 31st July 9am
Attachments: Incident Status Summary for Orca TGA 2016.docx; IAP Orca calf 30th July 9am - 31st July 9am.docx

Hi Jack

Orca material from Tauranga Orca incident 2016.

Key point - get someone with compliance skills to watch the Orca contractors especially for breach of permissions and H&S requirements

All the best

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

| E-Mail: dhunt@doc.govt.nz

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<https://apc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.doc.govt.nz%2F&data=04%7C01%7Cjmace%40doc.govt.nz%7Cdfc0b97a8add4154714f08d9458b22fb%7Cf0cbb24fa2f6498fb5366eb9a13a357c%7C0%7C0%7C637617286497507531%7CUnknown%7CTWFPbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ik1haWwiLCJXVCi6Mn0%3D%7C1000∓reserved=0>

Incident Name Tauranga Harbour Orca Calf Separation		Date Sun 31 July 2016	Time 1600	INCIDENT STATUS SUMMARY
Incident Controller	[REDACTED]			
Location	Tauranga	Started Date/Time	Fri n29 July 2016	
Probable Cause	Separation of orca calf from its pod	Estimated Area Involved	Ongere Point, Tauranga Harbour	
Percent Controlled	40% - tipping point	Containment expected (Date/Time)	Tue 2 July	
Current threat	Orca Trust not complying with DOC and iwi decisions Orca Trust not complying with HSE directives Death of orca calf blamed on DOC	Control problems	Ensuring relationship with <ul style="list-style-type: none"> • Iwi • Orca Trust • Tauranga community • National media • International scientific community 	
Estimated Loss		Estimated Savings		
Current Weather		Predicted Weather		
Estimated Cost to Date	\$46,500	Estimated Total Cost (including another 4 days)	\$90,000	
Resources Deployed				
	<i>Number</i>	<i>Item</i>	<i>Number</i>	
Incident Management Team	1	Members of an IMT drawn from the NI	10	
Crews	1	Shore observation	1	
Boats	2	Orca Trust & DOC boat	3 DOC 5 Orca Trust	

Co-operating agencies

Iwi ([REDACTED])

Orca Trust (lead by Ingrid Visser and [REDACTED])

Remarks**Scenario**

- The calf will eventually tire and strand somewhere in the harbour
- The calf moves from its current location to whereabouts unknown
- The pod returns and is reunited with adult orca

Prepared by:

Dave Hunt

Date/Time:**Approved for Release by:****Date/Time:**

Situation Report

3. Location Tauranga Harbour	4. Vegetation	5. NZ Topo50 Grid Ref.
<ul style="list-style-type: none">• DOC staff have been monitoring an Orca calf in the Tauranga Harbour for the past week, since 19th July. The calf has either been lost or abandoned by its pod, the whereabouts of the whale's family pod remains unknown and the young whale is still swimming freely near the buoy in Tauranga harbor off Ognare Point.• It's condition is deteriorating, showing signs of dehydration, malnutrition and becoming tired. Iw do not want the calf to be euthanasing, but left to natural causes.• DOC is closely working with iwi and the Orca Trust in the management of the orca calf with a meeting this afternoon (Sun 31 July).• Ingrid Visser (Orca Research Trust) has been on site since Sunday 24th July and was seen trying to feed the orca calf at noon today.• DOC Tauranga held a meeting on Fri 29 July with relevant local iwi, a community representative and marine mammal scientists, including Dr Ingrid Visser and [REDACTED], to determine the best path forward regarding the Orca.• An agreed outcome from the meeting was to form a "Orca Tactical Planning Group" group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and American orca specialist [REDACTED] - and key community stakeholders.• The Group met immediately after this to begin discussing an action plan, which was then presented to Jeff Milham, District Operations Manager on Fri 29 July.• Jeff has approved the first stage of intervention- taking blood and breath samples from the Orca to determine its health and to do DNA testing. Ingrid and [REDACTED] will undertake these actions over the weekend, weather permitting.• The Tactical Planning Group will continue working on the next stages of the plan for presenting to the IC for approval.• Any further intervention will require more discussion and [REDACTED] approval.• The Tactical Planning Group is now under DOC's CIMS structure and will work to DOC prescribed Health and Safety standards.• Media interest continues to be high- refer to [REDACTED] 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 organisations (Massey University/US researchers) to encourage their presence in coverage.		
<p>Prep by Dave Hunt – 31/7/2016</p>		

IAP Cover Sheet

Tauranga Harbour Orca Calf

INCIDENT ACTION PLAN

The items checked below are included in the incident Action Plan

- SITUATION REPORT**
- INCIDENT OBJECTIVES & STRATEGIES**
- ORGANISATIONAL LIST**
- SECTOR/CREW ASSIGNMENT**
- DIVISIONAL ASSIGNMENT**
- COMMUNICATION PLAN**
- SAFETY PLAN**
- MEDICAL PLAN**
- WEATHER FORECAST AND MAP**
- FACILITIES LAYOUT PLAN**
-
-

Approved by Incident Controller:



Signed

Date/Time

30th July 2016

1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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Situation Report

3. Location Tauranga Harbour	4. Vegetation Forest/Scrub/Grass/Slash/ Other:	5. NZ Topo50 Grid Ref.
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- DOC staff have been monitoring an Orca calf in the Tauranga Harbour for the past week, since 19th July. The calf has either been lost or abandoned by its pod, the whereabouts of the whale’s family pod remains unknown and the young whale is still swimming freely near the buoy in Tauranga harbor off Ognare Point.
- It’s condition is beginning to deteriorate, showing signs of dehydration and malnutrition.
- Ingrid Visser (Orca Research Trust) has been on site since Sunday 24th July.
- DOC Tauranga held a meeting yesterday (29 July) with relevant local iwi, a community representative and marine mammal scientists, including Dr Ingrid Visser and [REDACTED], to determine the best path forward regarding the Orca.
- An agreed outcome from the meeting was to form a tactical group with representatives from DOC, local iwi, the Orca Research Trust - Dr Ingrid Visser and American orca specialist [REDACTED] - and key community stakeholders.
- The tactical group met immediately after this to begin discussing an action plan, which was then presented to Jeff Milham, District Operations Manager yesterday afternoon (29 July).
- [REDACTED] has approved the first stage of intervention- taking blood and breath samples from the Orca to determine its health and to do DNA testing. Ingrid and [REDACTED] will undertake these actions over the weekend, weather permitting.
- In the interim the tactical team will continue working on the next stages of the plan for presenting to the IC for approval.
- Any further intervention will require more discussion and [REDACTED] 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 [REDACTED] 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/US researchers) to encourage their presence in coverage.

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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7. Action taken

- Orca Trust (Ingrid Visser and [REDACTED] + extras) onsite with whale taking respiratory samples and monitoring the whales condition with [REDACTED] as DOC observer
- DOC crew in place at Ongare Point Road end ([REDACTED])
- DOC Boat crew deployed ([REDACTED] skipper + [REDACTED] (Bowentown Coastguard) in Mateva) to provide on water presence
- DOC land and boat crews primary responsibilities to provide H & S, CLE and provide on site communication with ICC, Orca Trust, Community and Iwi
- BOPRC Harbourmaster on standby with boat
- Standby response crew to respond to potential stranding incident will currently be made up from existing crews
- **PM actions**

8. Factors

Time critical – the calf is deteriorating, showing signs of dehydration and malnutrition and must feed or will become weak.

Iwi interest is very high.

This is a unique situation – there are risks that are still being quantified were possible

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.

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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9. Predicted Incident Development

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

Scenario

- The calf will eventually tire and strand somewhere in the harbour
- The calf moves from its current location to whereabouts unknown
- The pod return and is reunited with adult orca

Incident Objectives

RF202

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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<p>3. Overall Incident Objectives</p> <ol style="list-style-type: none"> 1. <u>Provide for public and responder safety</u> 2. Working with and giving effect to the interests of Iwi 3. Identify key stakeholders, partners , experts and work with them 4. To keep the community informed 5. Prevent harassment, unnecessary disturbance and any activity which will cause undue stress to the orca 6. To evaluate the practicality, justification and ethics of intervention to sustain the natural life of the orca 7. To undertake all operations in accordance with the principles of Te Tiriti o Waitangi – participation, protection and partnership. 8. To undertake all operations in accordance with Department’s best practice and SOPs for marine Mammals <p>Intervention confirmed during meeting on Friday 29th July, tactical nature of intervention to be developed and approved during Saturday 30th July</p>
<p>4. Objectives for specified Operational Period</p> <ul style="list-style-type: none"> • Orca Trust to respiratory samples and monitoring the whales condition • Onsite presence to be maintained on land at Ongare Point and at sea in the DOC vessel Mateva • Decision point on Saturday to develop and approve intervention tactics

Prepared by: ██████████	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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Organisation List

RF203

3. Incident Control		Cell Phone	Radio Ch
Incident Controller	Jeff Milham	[REDACTED]	
Deputy IC			
Information Officer	[REDACTED]	[REDACTED]	
Safety Officer	[REDACTED]		
Iwi Liaison Officer	[REDACTED]	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	[REDACTED] (BOPRC harbour master)		
Agency	Bowentown Coastguard		
Agency			
Agency			
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	[REDACTED]	[REDACTED]	
Situations Unit			
Resources Unit			
Management Support Unit			
Information Unit	[REDACTED]	[REDACTED]	
Advance Planning Unit			
Technical Specialists Unit	Ian Angus	[REDACTED]	
6. Logistics Section		Cell Phone	Radio Ch

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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Logistics Manager	Helen Neale	[REDACTED]	
Supply Unit			
Catering Unit			
Facilities Unit			
Finance Unit			
Communications Unit			
Medical Unit			
Ground Support Unit			

7. Operations Section	Cell Phone	Radio Ch
Operations Manager	[REDACTED]	[REDACTED]
Deputy Operations Manager		
External Technical advice	Ingrid Visser + 4	
Sector 1 Supervisor		
Sector 2 Supervisor		
Sector 3 Supervisor		
Sector 4 Supervisor		
Crew Leader		
DOC Technical Advice	TBA	
Sector E Supervisor		
Sector F Supervisor		

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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Sector G Supervisor			
Sector H Supervisor			
Air Division Commander			
Air Attack Supervisor			
Air Support Supervisor			
Marine Mammal Medics			

Crew Assignment

RF204

3. Sector 1	4. Description Boat Operations			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>

Prepared by: ██████████	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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██████████					
██████████					
██████████					

8. Sector Assignment / Special Instructions

Rotorua vehicle & boat Mateva. Launch Bowentown. Drop ██████ off on Orca Trust boat as H&S observer & to provide comm's.

Mateva to moor nearby & enforce 50m exclusion zone with public. To provide backup to Orca Trust.

Return at own discretion late in day or if deteriorating weather conditions dictate. Pick up ██████ on way home.

Sit rep to be provided on arrival & at two hourly intervals

9. Sector Communications

	<i>Phone</i>	<i>Radio Ch</i>
Division/Division Cmdr		
Air Attack Supervisor		
Safety Officer		

Prepared by: ██████████	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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Crew Assignment

RF204a

3. Sector 2		4. Description Ongare Point Rd	
6. Sector Supervisor [REDACTED]	Affiliation DOC	Cellphone	Radio
6. Resources Assigned this Period			
<i>Sector</i>	<i>Supervisor</i>	<i>Crews</i>	<i>Radio Ch</i>
[REDACTED]	Team leader		
[REDACTED]			
<p>7. Set up vehicle base on waters edge at Ongare Point. Provide community contact point & enforce 50m exclusion zone for any public wishing to access orca site from land.</p> <p>Sit rep to be provided on arrival & at two hourly intervals</p>			
8. Sector Communications Operations Manager		<i>Phone</i>	<i>Radio Ch</i>
Air Division Commander			

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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Crew Assignment

RF204

3. Sector 1	4. Description Orca Trust			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>
Ingrid Visser					
[REDACTED]					
+ Extras					
8. Sector Assignment / Special Instructions Onsite with whale taking respiratory samples and monitoring the whales condition					
9. Sector Communications				<i>Phone</i>	<i>Radio Ch</i>
Division/Division Cmdr _____					
Air Attack Supervisor _____					
Safety Officer _____					

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30 th July 9am – Sunday 31 st July 9am
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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>
Sector 1	Command	3		VHF
Sector 2	Command	3		VHF
Sector 3	Command	3		VHF
Sector 4	Command	3		VHF
Coastguard	Marine	83		VHF
Project Jonah	Marine	no		VHF
4. Telephone				
<i>Assigned To</i>	<i>Landline</i>	<i>Cell phone</i>	<i>Fax</i>	<i>Comments</i>
Jeff Milham		██████████		
██████████		██████████		
6. Other (e.g. email, Satphone, etc)				

Prepared by: ██████████	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am
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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.	
--	----	--

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

Prepared by: ██████████	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30 th July 9am – Sunday 31 st July 9am
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1. Incident Name Tauranga Harbour Orca		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>			
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 <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>
Tauranga Hospital		829 Cameron Rd		5798000		45 min		5	Yes

Prepared by: [REDACTED]	Date: 30/7/2016	Time: 1500
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1. Incident Name Tauranga Harbour Orca Calf	2. Operational Period – Saturday 30 th July 9am – Sunday 31 st July 9am
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6. Special Emergency Procedures

7. Prepared By: Helen Neale	Date/Time 1500hrs
8. Reviewed by Safety Advisor:	Date/Time

Weather Forecast

Coastal Marine (Metservice)

Forecast

***** GALE WARNING IN FORCE *****

Southwest 20 knots, becoming northwest 25 knots this morning, rising to 35 knots early this evening. Changing southwest 35 knots late this evening. Sea becoming very rough. Northwest swell 3 metres at times offshore. Poor visibility in rain this evening with possible thunderstorms west of Whakatane.

Tide times and height (Omokoroa)

High: 03:58 1.8m
 Low: 10:17 0.2m
 High: 16:39 1.8m
 Low: 22:48 0.3m

Region forecast

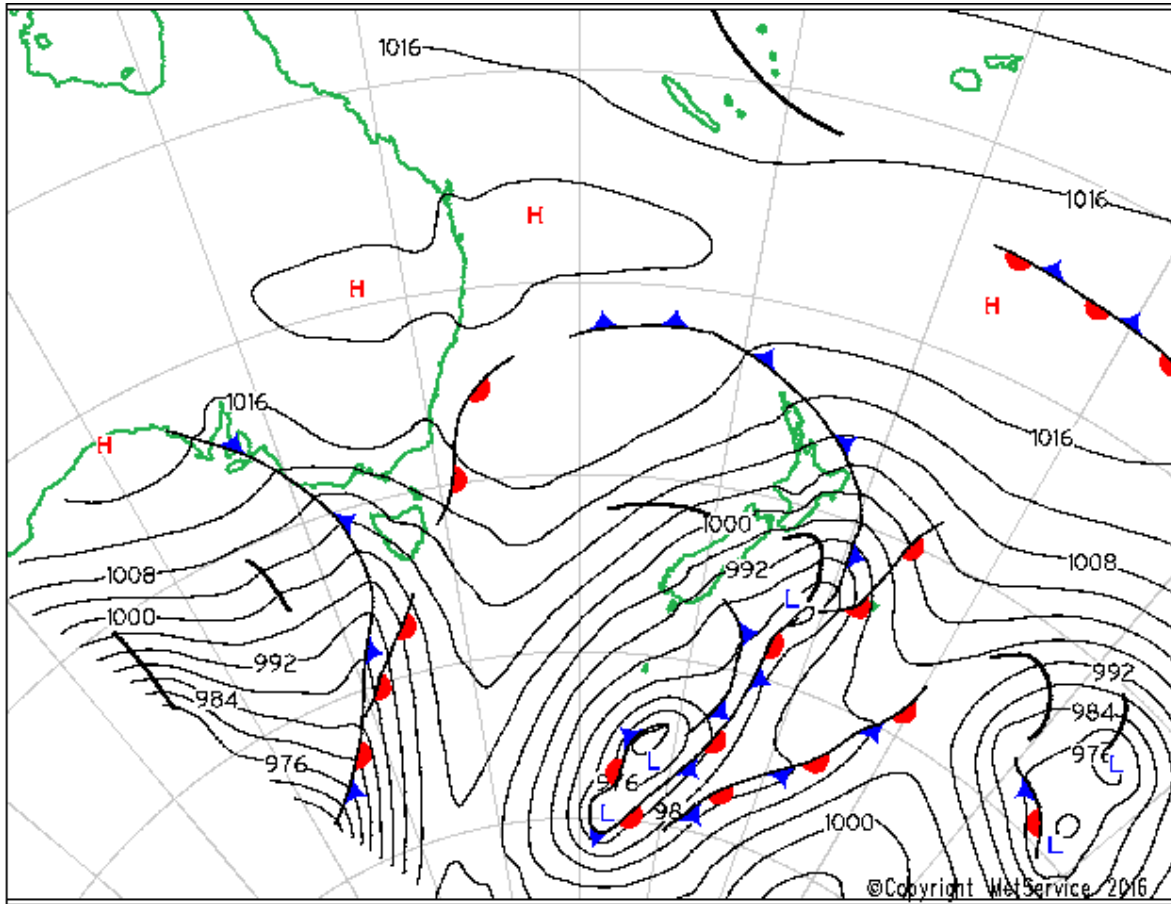
Mostly cloudy. Rain spreading from the west this afternoon, with some heavy falls, and possible thunderstorms about the eastern ranges this evening. Rain clearing tonight. Westerlies rising to gale gusting 90 km/h in exposed places this evening.

Issued: 11:25am 30 Jul

Prepared by: ██████████	Date: 30/7/2016	Time: 1500
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1. Incident Name
Tauranga Harbour
Orca Calf

2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am



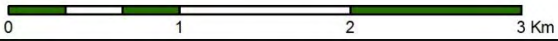
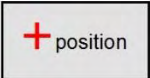

Prepared by: [REDACTED]

Date: 30/7/2016

Time: 1500

<p>1. Incident Name Tauranga Harbour Orca Calf</p>	<p>2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am</p>
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<p>Orca calf location</p> 	
<p><small>This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.</small></p>	<p style="text-align: center;">1:35,000 NZTM Projection, GD 2000</p>  <p style="text-align: center;">Department of Conservation <i>Te Papa Atawhai</i> Te Kāwanatanga o Aotearoa</p>

SOFTWARE: ArcMap 10.0
FILE: S:\Orca Calf\NAP Map.mxd

Department of Conservation, 99 Sala Street, Rotorua
Information Management Unit (mslimin), 30/07/2016

<p>Prepared by: ██████████</p>	<p>Date: 30/7/2016</p>	<p>Time: 1500</p>
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1. Incident Name
 Tauranga Harbour
 Orca Calf

2. Operational Period – Saturday 30th July 9am – Sunday 31st July 9am



Prepared by: [REDACTED]

Date: 30/7/2016

Time: 1500

[REDACTED]

From: Kevin OConnor
Sent: Thursday, 15 July 2021 1:20 pm
To: Michael Slater
Cc: Elizabeth Heeg; [REDACTED]
Subject: FW: Orca DDG discussion upcoming

Mike fyi and [REDACTED] will organise a call for you, Elizabeth and me latter in the day
Regards
Kevin

Kevin O'Connor
Deputy Director General | Biodiversity & Engagement
Department of Conservation | Te Papa Atawhai
Phone: [REDACTED]

Conservation House Wellington | Whare Kaupapa Atawhai
Level 3, 18 - 32 Manners St | PO Box 10 420, Wellington 6143

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From: Elizabeth Heeg <eheeg@doc.govt.nz>
Sent: Thursday, 15 July 2021 7:19 am
To: Kevin OConnor <koconnor@doc.govt.nz>
Cc: Ian Angus <iangus@doc.govt.nz>
Subject: Orca DDG discussion upcoming

Morena from Dunedin!
I've just been texting with Ian about the situation with the orca.

Jack Mace is teeing up a critical discussion between DDGs. Orca looking stable but no sign of pod. The calf could stay in current pen for around another week.

Beyond that we need decide whether we are prepared to move to a more substantial pen. Considerations include ethics, logistics and significant costs. A longer term pen might cost around \$1m to set up plus \$0.5m a year to run. Might need to run for 6 months until calf weaned.

Ian thinks, and I agree that this is not a decision for the CIMS structure and we should look to set up a working group outside CIMS with some marine mammal, veterinary and animal welfare expertise. Our advice is that CIMS should focus on management as site and relocation effort.

Kevin could you please discuss with Mike? Happy to support.

Thanks
Elizabeth

Sent from Workspace ONE Boxer

From: [REDACTED]
Sent: Tuesday, 13 July 2021 9:40 pm
To: Jack Mace
Subject: RE: Info to help for your Orca incident - oops i forgot 2 names

Kia ora Jack – Sorry bit of novel, yellow is key tips, at the end of the phone if you need an ear to chew and you can share this with Dave Hunt if you land him. Cheers [REDACTED]


1. Good catching up, the context you shared informed me (using the CIMS hat) you are applying the right level of thinking for this incident. As we discussed part of this challenge is ensuring that you are in the right role (over the incident – governance) and that you have others fulfilling the key roles (in the incident doing the work – controller and IMT). With this work a combination of social processes and CIMS will help in how to get the job done. Here is the link to the CIMS green book - <https://www.civildefence.govt.nz/assets/Uploads/CIMS-3rd-edition/CIMS-3rd-edition-FINAL-Aug-2019.pdf>.
2. CIMS purpose - to enable people to respond effectively to incidents through appropriate coordination.
3. The Incident Situation Day 3 Summary – Incident classification of LE3↑
Juvenile orca separated from mother/pod, located within a small bay near Wellington. High level of interest, local hapū/iwi and community involved and has shifted from local focus to national/international interests represented by not for profit organisations such as Sea shepherd conservation society, Orca research trust- Ingrid Visser. You have clarified with those involved mandate sits with DOC as per the Marine Mammal Protection act. Your local/regional team are managing incident in my humble opinion using CIMS (Table 5) incident classification sits at LE3 (a major local response) and escalating. We discussed what could be done to stabilize and reduce this incident.
4. A great thing you have activated is speaking directly with all involved and setting a couple of response objectives for the incident. These need to be captured and agreed to by all who are participating in this incident (social process). The agreed response objectives is loaded into the Incident action plan and should govern everyone's efforts in the response. Here are ones I used for Tauranga orca incident (page 10 in the CIMS book has others):
 - Preserve life - public, staff and responder safety comes first at all times
 - Maintain law and order
 - Provide animal relief in accordance with the Marine Mammal Stranding Response Plan
5. The CIMS roles – The green book has all the technical jargon and role clarity cards can be found on the website too, there are 9 roles and you can scale it up or down dependant on your incident – you do not need all the roles the controller makes those judgements, most often I find and you are finding not too many people are experts

in these roles or understand how they connect so **having a coach in the background makes a big**

Function	Colour	Responsibilities
Control	White	Controls and coordinates the response.
	Red	Controller's Support
Safety	Green	Advises on measures to minimise risks to response personnel.
Intelligence	Dark blue	Collects and analyses information and produces intelligence related to context, impacts, consequences and forecasts.
Planning	Pink	Plans for response activities and resource needs.
Operations	Orange	Tasks, coordinates and tracks execution of the Action Plan.
Logistics	Yellow	Provides personnel, equipment, supplies, facilities and services to support response activities.
Public Information Management	Purple	Develops and delivers messages to the public and liaises with the impacted community. Develops messaging for Governance when Strategic Communications is not activated.
Welfare	Light blue	Ensures planned, coordinated and effective delivery of welfare services to affected individuals, families/whānau and communities, including animals.
Recovery	Grey	Starts the recovery management process during the initial response phase and ensures the recovery process is integrated with the response.

difference.

6. People – As discussed we **still have some very capable staff** that can be called on to help out, and we all need the live incidents to further grow our competency, capability and appetite to be successfully in these situations. I would advise once you are clear on your circumstances **specifically request key staff (for 4 days) via the Directors** and then get agreement from the other Directors a level of comfort with further requests. People I know close to you, I trust due to doing this work with them on real incidents and are still in DOC are [REDACTED] Sorry I forgot [REDACTED]



From: Lou Sanson
Sent: Tuesday, 13 July 2021 5:12 am
To: Ingrid Visser
Subject: Thank You

Hi Ingrid

Sincere thanks for your support with the baby Orca stranding over weekend.

Pleased we could all help here.

Now the challenge to find the parent.

Cheers

Lou

Lou Sanson (he/him)
Director-General
Department of Conservation

[REDACTED]

From: Jack Mace
Sent: Thursday, 15 July 2021 7:37 pm
To: Michael Slater; Kevin OConnor; Elizabeth Heeg; Bronwyn Saunders
Subject: Fwd: Plimmerton Orca - Summary update 15 July 2021 DH-JM

FYI only. Dave Smith confident going into the evening. Will touch base again tomorrow after IMT morning SITREP/briefing.

Cheers
Jack

Sent from Workspace ONE Boxer

----- Forwarded message -----

From: David Hunt <dhunt@doc.govt.nz>
Date: 15/07/2021 4:50 pm
Subject: Plimmerton Orca - Summary update 15 July 2021 DH-JM
To: Jack Mace <jmace@doc.govt.nz>
Cc: Dave Smith <dwsmith@doc.govt.nz>
Hi Jack

On behalf of Dave Smith

Summary update 1

1. All going well on site and the relationships are good
2. Putting in place temporary holding pool for Toa in case storm threatens current pen in harbour and to minimise risk to volunteers with Toa. Seas may break over the hard apron into the pen. May be international expert adverse comment. Time in pool will be minimum needed. Possible move will be made tonight.
3. Site will not be available to the public at night during the storm. If pool is used the whole site will be closed due to added stress to Toa from the public.
4. Key need at the moment is longer-term options. What happens if we haven't connected Toa to a pod by the end of next week? Believe this should sit outside current CIMS planning given significant potential costs, ethics; iwi, public and expert views

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

[REDACTED] | E-Mail: dhunt@doc.govt.nz

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To work with others to increase the value of conservation for New Zealanders.**

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[REDACTED]

From: David Hunt
Sent: Friday, 16 July 2021 3:50 pm
To: [REDACTED] Dave Smith; [REDACTED]; Angus Hulme-Moir; Ian Angus; [REDACTED]
Cc: Jack Mace; Safe; [REDACTED]
Subject: IAP 2 Plimmerton Orca Recovery 16 July 2021 - DOC-6723483 DH-IMT Team Smith
Attachments: IAP 2 Plimmerton Orca Recovery 16 July 2021 - DOC-6723483.docx

Hi everyone

Attached is the Action Plan for Sat-Sun (17-18 July)

Thanks for your input today

Note I have not identified the Security Team in the structure yet. [REDACTED] will be providing Security support

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

[REDACTED] | E-Mail: dhunt@doc.govt.nz

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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.
--

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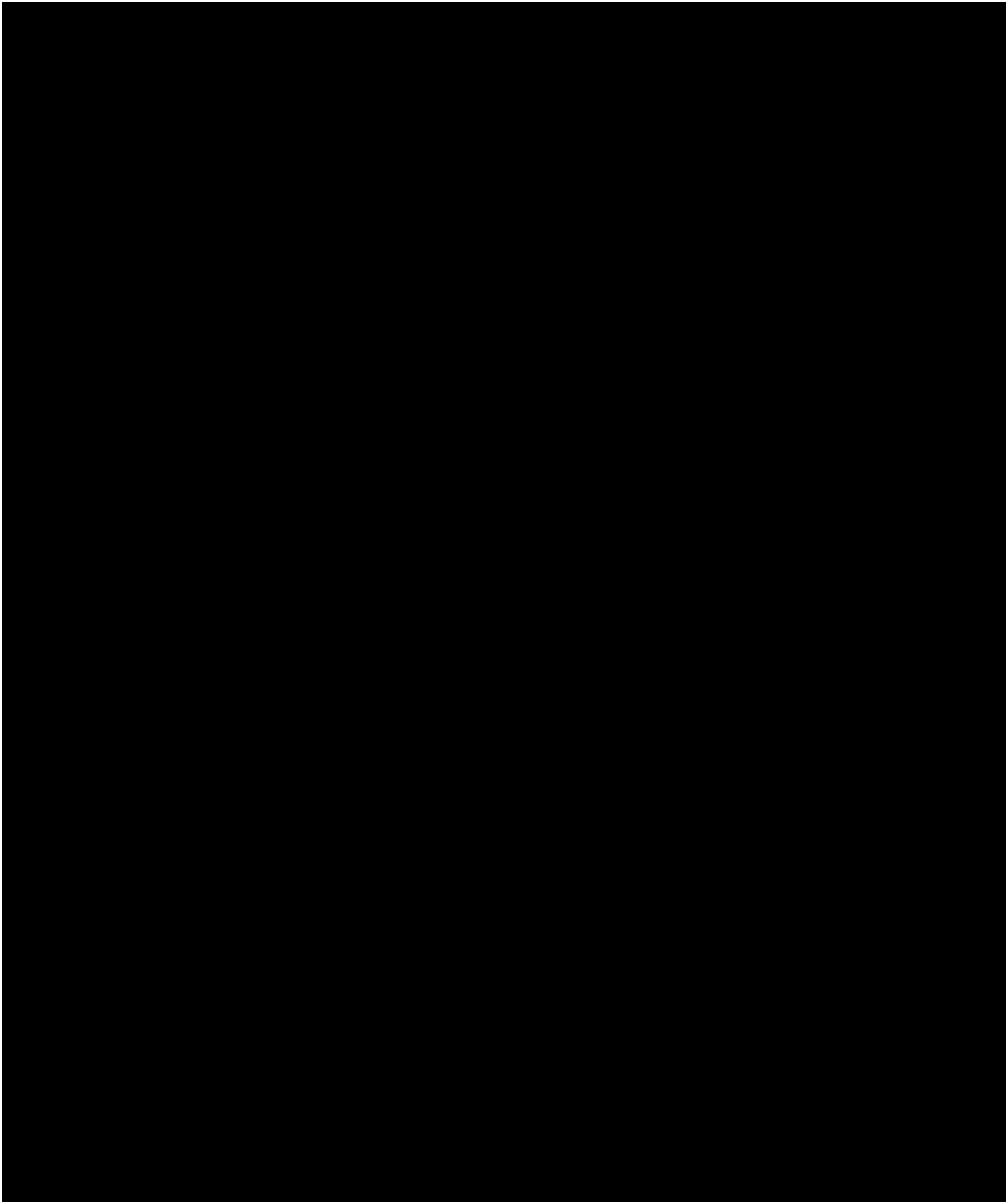
Prepared by: Ian Angus	Date: 16 July	Time: 1600
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Incident Objectives

RF202

4. Objectives for specified Operational Period Purpose: To achieve the best practical outcome for “Toa” the orca calf Objectives: <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> <div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> <div style="background-color: black; width: 100px; height: 15px;"></div> </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	<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> <div style="background-color: black; width: 100px; height: 15px;"></div>																
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Management of the pen area	Ingrid Visser																																		
Management of Volunteers	<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> <div style="background-color: black; width: 100px; height: 15px;"></div>																																		
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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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 RecoveryRecovery	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.

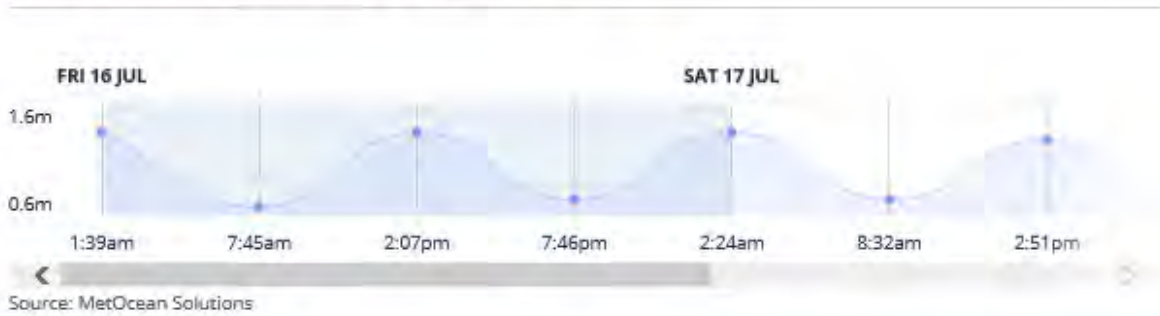
Monday: Easing to southerly 15 knots early. Often cloudy. A few morning showers. For the South Coast and Palliser Bay: Southerly swell rising to 1.5 metres. For Castlepoint: Southerly swell rising to 1.5 metres. Northeast swell 2 metres, dying out.

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.

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

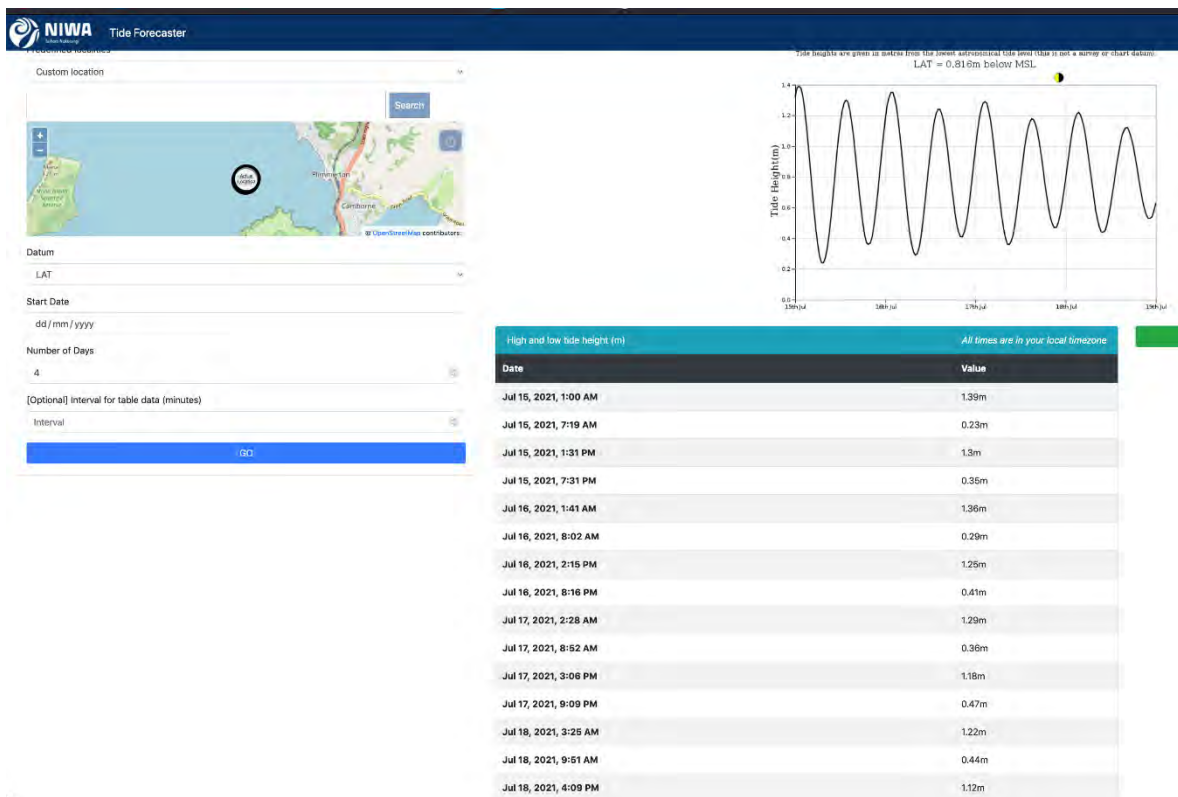
1. Incident Name
Plimmerton Orca
RecoveryRecovery

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.

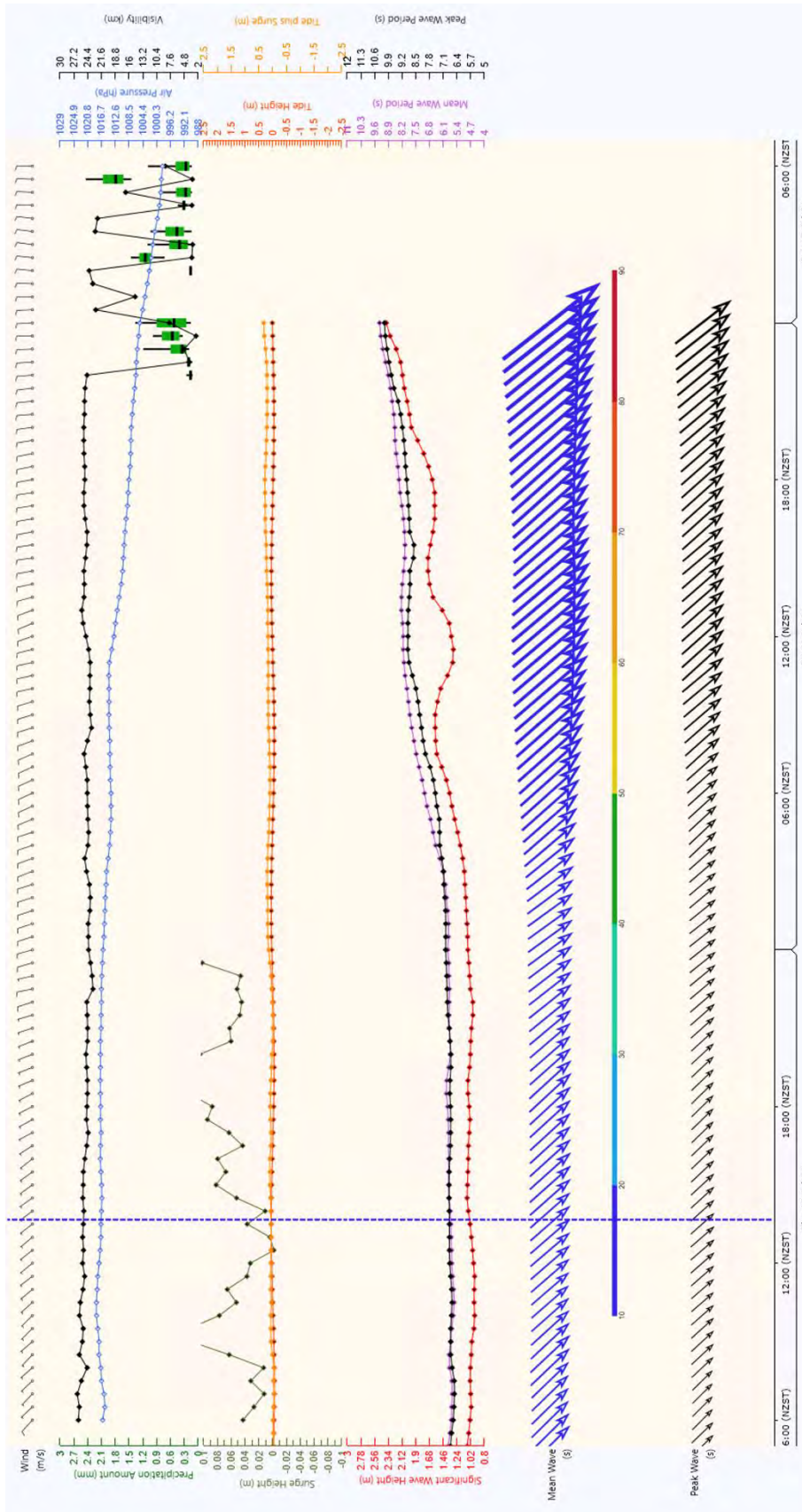
NIWA tide forecast at 1400 15 July



1. Incident Name
**Plimmerton Orca
 Recovery**

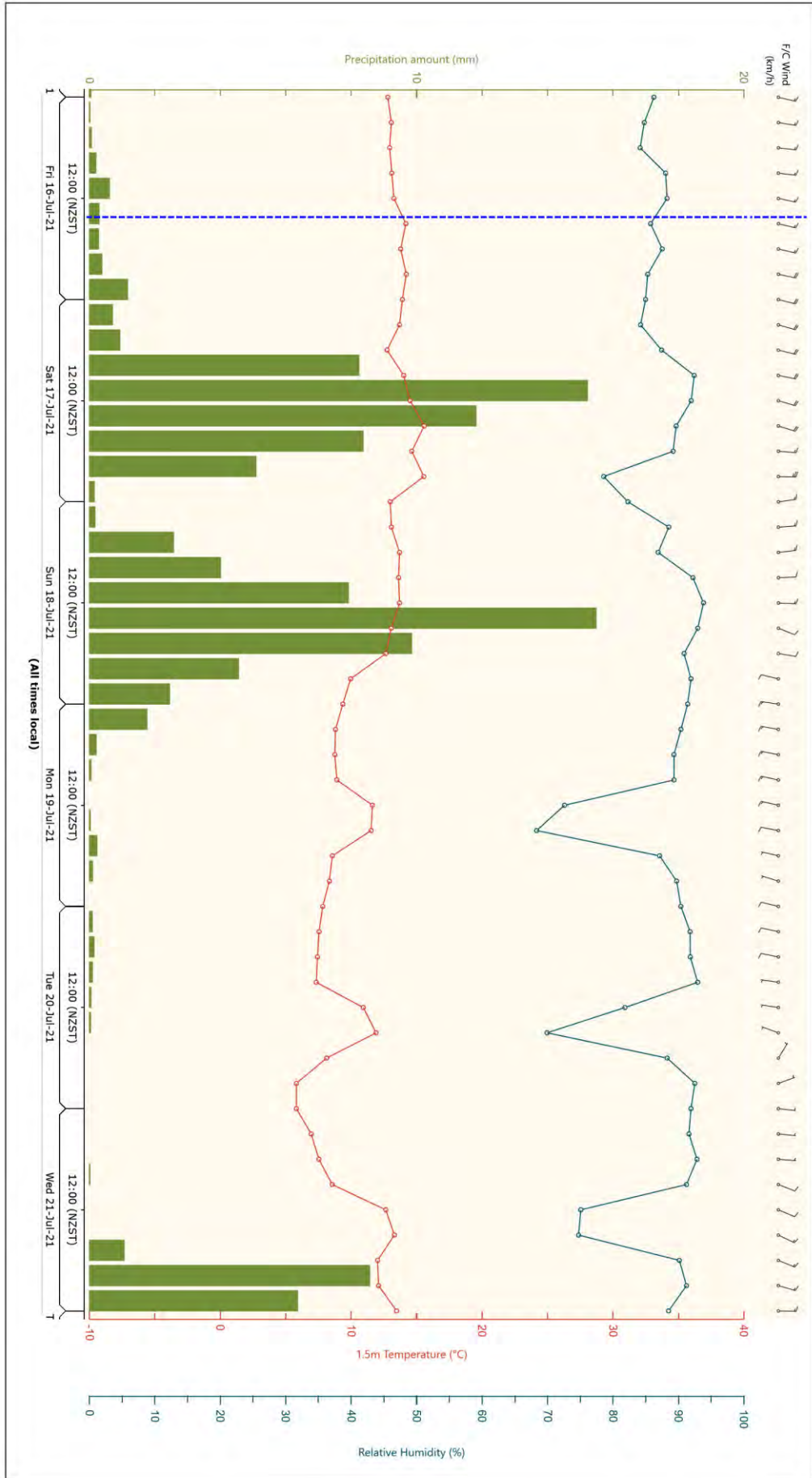
2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July

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



Porirua, 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.

[REDACTED]

From: Jack Mace
Sent: Friday, 16 July 2021 10:36 am
To: L\Operations Directors; Michael Slater
Cc: Elizabeth Heeg; Bronwyn Saunders; Dave Smith
Subject: Orca incident management

Follow Up Flag: Follow up
Flag Status: Flagged

Kia ora team

A quick update on our situation with the orca at Plimmerton. Please do not circulate this email further as we will run all wider comms via the IMT structure.

On Sunday a young male orca calf beached on the rocks near Hongoeka Marae, Plimmerton, at the northern entrance to Porirua Harbour. Initial attempts to reunite it with the pod were unsuccessful and it was moved into a temporary holding facility (fenced off boat ramp) at Plimmerton Boating Club. With severe weather incoming the decision was made last night by the IC to move the orca to a temporary holding pool where it could continue to be looked after without putting it, staff, or volunteers at risk from storm surge and gale-force winds.

The nature of the response has required us to run a multi-agency operational team, which to date has worked well. DOC (local Operations, media, marine team), Whale Rescue/Orca Research Trust, Ngati Toa/Hongoeka tangata whenua, and FENZ have all spent the week managing the site and the orca's welfare, with support from vets, international experts, animal welfare agencies, volunteers, and the wider community (who have been absolutely superb).

Media interest both nationally and internationally has been high. Public interest has also been very high with hundreds of members of the public coming to see the orca calf.

Yesterday I stood up a formal IMT with Dave Smith as Incident Controller, ably supported by [REDACTED] [REDACTED] Dave Hunt, Ian Angus, [REDACTED], and local district staff. Huge thanks to those directors and managers who were able to support at very short notice.

Dave and team have the site and situation in hand, and this team will continue to manage the situation through the weekend while we undertake planning for next steps.

The accountability line for the incident is Lou-> Mike -> Jack Mace (SPA) -> Dave Smith (IC), with Elizabeth Heeg (Director Aquatic) and Bronwyn Saunders (Media) in support/close consultation with me. All media enquiries are being managed via the media team with a dedicated media liaison sitting within the IMT.

The IMT will spend today working through what resource they will need next week, particularly to replace staff who are currently working on the incident.

I have asked Dave Smith to directly shoulder-tap specific staff and I would ask you all to do what you can to enable them to attend and support this incident.

I know this is a busy time and school holidays are taxing capacity but it is important that we keep this situation well-run by a small but very competent crew so I appreciate what you can do to help.

Any questions give me a call.

Cheers all.

Jack Mace

**Kaihautu Matarautaki – Ki Te Araroa ki te raki, ki Te Upoko o Te Ika ki te tonga, ki Turakina awa ki te hauauru, ki
Rekohu/Chathams/Wharekauri ki te rawhiti**

Director Operations – Lower North Island

Te Papa Atawhai | Department of Conservation

[REDACTED]

From: [REDACTED]
Sent: Friday, 16 July 2021 1:53 pm
To: [REDACTED]
Subject: Orca recovery mission - NZ

Importance: High

Hi there,

I am with the Department of Conservation we are handling the response to the stranded orca calf that you may have heard about.

I am coordinating possible sightings of the pod and trying to validate them.

We have bad weather this weekend but I am wondering if you would be interested in trying to help us locate the pod by satellite..

Would need high res, frequently refreshed data..

Please get in touch urgently if this is something you can assist with? Any time of day or night

Thanks

Kind regards,

[REDACTED]
Bycatch Programme Coordinator | Kaimātanga Takutaimoana
Department of Conservation | Te Papa Atawhai
[REDACTED]

Whare Kaupapa Atawhai | Conservation House Wellington
18 Manners St | PO Box 10 420, Wellington 6143
T: +64 4 471 0726

[REDACTED]

From: David Hunt
Sent: Friday, 16 July 2021 12:46 pm
To: [REDACTED]
Cc: Ian Angus
Subject: FW: Sighting Management DH [REDACTED]
Attachments: Sighting Management.docx

CFYI

Via Ian Angus

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

[REDACTED] | E-Mail: dhunt@doc.govt.nz

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To work with others to increase the value of conservation for New Zealanders.

www.doc.govt.nz



From: David Hunt
Sent: Friday, 16 July 2021 12:31 pm
To: [REDACTED]
Subject: Sighting Management DH [REDACTED]

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”

[REDACTED]

From: [REDACTED]
Sent: Friday, 16 July 2021 1:12 pm
To: [REDACTED]
Subject: Urgent orca sightings tasks

Importance: High

Hey [REDACTED]

A few tasks I'm going to need from you on this orca sightings stuff:

1. I'm sure you'll have seen Ian's email, but it looks like they'll need you from tomorrow. Ian also suggested that you get in touch with Dave Hunt for further details.
2. Could you get in touch with [REDACTED] (below) asap and follow up on whether this is a possibility.

Thanks!

[REDACTED]

PS – we'll also have to have a chat later today about what (if anything) CSP paperwork you might need to hand over to people – I'm hoping we can pull [REDACTED] in to help with that!

[REDACTED]
Acting Manager – Marine Species Team
Whare Kaupapa Atawhai | Conservation House
Phone: [REDACTED]

From: [REDACTED]
Sent: Friday, 16 July 2021 11:08 am
To: [REDACTED]
Subject: Call centre contact - response required

Hi [REDACTED]

I just had a call from [REDACTED] who was asking for Ian Angus in relation to locating an orca pod. He says he has a method of locating a pod via real-time image satellite technology which he'd like to discuss. Are you able to please give him a call back?

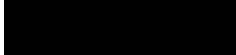
Many thanks

[REDACTED]
Business Support Officer | **Āpiha Ūmanga Āwhina**
Department of Conservation | Te Papa Atawhai

Ōtautahi | Christchurch Office
161 Cashel Street, Christchurch 8011 | Private Bag 4715, Christchurch 8140

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From: Kevin O'Connor
Sent: Saturday, 17 July 2021 4:20 pm
To: Elizabeth Heeg; Jack Mace
Cc: Michael Slater; Lou Sanson
Subject: Baby orca

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Elizabeth and Jack

I have just spent a few hours on site at Plimerton and everything is going really well. Dave Smith as IC and Ian Angus supporting with Kirsty Knowles just taking over from Ian are doing a great job. Ingrid Visser representing the various community and NGO's is saying this is the first time in her 30 years of working with DOC that she and her teams feel part of the team and really valued. Ngatoto Toa are also happy with where things are at and are clear about the options which they support etc.

The scenario planning is well advanced and Jack will be the decision maker on any significant decisions required. Absolutely horrible day out there but the Plimmerton boat club and the local FENZ volunteer brigade have been great support which is helping make it all work smoothly. Animal welfare, human safety and public interest management are still key to the work. Ian, Kirsty and Elizabeth have international advice available if/when it is required and we have vets on site monitoring the health of Toa. Toa is now thought to be younger than first estimated and this is now being factored into the considerations.

Well done to all involved

Regards

Kevin

Get [Outlook for iOS](#)

[REDACTED]

From: David Hunt
Sent: Saturday, 17 July 2021 1:44 pm
To: [REDACTED]
Cc: Dave Smith; [REDACTED]; Jack Mace; Angus Hulme-Moir
Subject: DRAFT IAP 3 Plimmerton Orca Recovery 18 July 2021 - DOC-6723483 DH-IMT
Attachments: IAP 3 Plimmerton Orca Recovery 18 July 2021 - DOC-6723483.docx

Hi team

I have started a new IAP No 3 for Monday. Can this be updated on Sunday with what you intend to do on Monday

I have added today's forecast (Sat 17 July) - See pages 9, 10 & 13 [REDACTED] can print them out, just email her at [REDACTED]

I will order another NIWA marine forecast for tomorrow, out for 3 days.

All the best

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

[REDACTED] | E-Mail: dhunt@doc.govt.nz

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IAP Cover Sheet

Plimmerton Orca Calf

DRAFT 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**
- 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 RecoveryRecovery	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"> • WHAT DID YOU DO?? <p>Processes have been established for</p> <ol style="list-style-type: none"> 1. Safely managing the return of Toa to the open sea environment (██████████ TO LOOK AT) 2. 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>

<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 ██████████ ██████████)

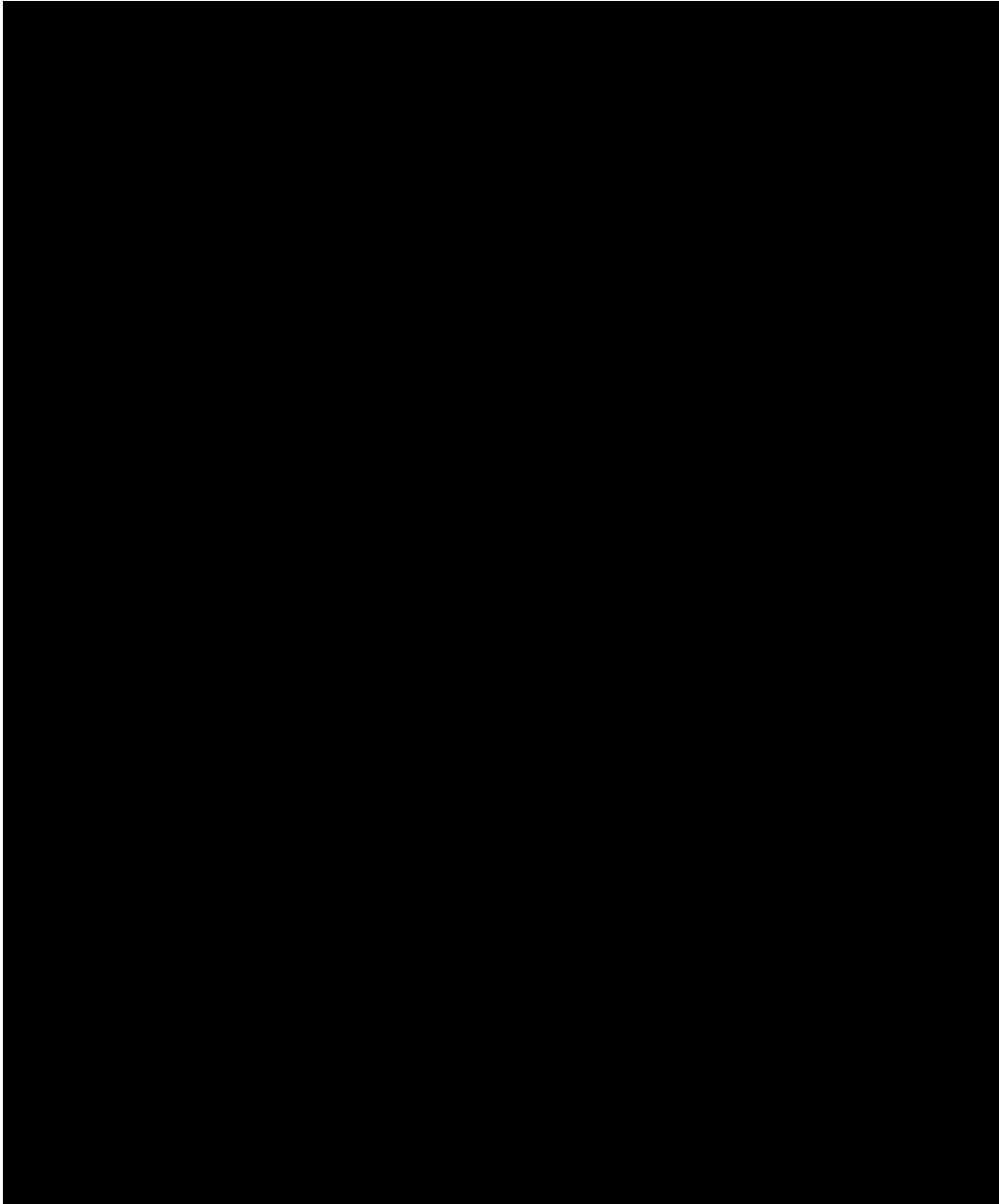
Prepared by: Ian Angus	Date: 16 July	Time: 1600
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Incident Objectives

RF202

4. Objectives for specified Operational Period Purpose: To achieve the best practical outcome for “Toa” the orca calf Objectives: <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 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>██████████ ██████████</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: ██████████		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																							
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"><i>Resource/Crew</i></th> <th style="width: 15%;"><i>Leader</i></th> <th style="width: 15%;"><i># Persons</i></th> <th style="width: 15%;"><i>Transport Required</i></th> <th style="width: 15%;"><i>Drop-off Point/time</i></th> <th style="width: 15%;"><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 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	
<ul style="list-style-type: none"> • Hypothermia – wet suits if in water • Accumulative fatigue • Disease & pathogens • Whale activity 	
Human affects	
<ul style="list-style-type: none"> • 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: ██████████	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 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>Burn Unit</i> <i>Heli Pad</i>	
Wellington Hospital						45 min 5	
Hutt Hosital							
6. Special Emergency Procedures							
7. Prepared By: XXXXXXXXXX				Date/Time 1500hrs			
8. Reviewed by Safety Advisor:				Date/Time			

Weather Forecast

Coastal Marine (Metservice)

Forecast

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Forecast As at 12:49 Sat 17 July

<https://www.metservice.com/marine/coastal/locations/cook>

Cook Coastal Forecast



Storm warning

Today: Northerly 50 knots, easing to northwest 40 knots this afternoon. High sea easing. Long period southerly swell 1 metre. North of Cape Terawhiti: Northwest swell rising to 4 metres. Poor visibility in periods of rain turning showers this evening with possible thunderstorms.

Sunday: Northwest 40 knots easing to 30 knots in the morning and to 15 knots early afternoon. Changing southerly 15 knots late afternoon, then rising to 25 knots in the evening. Very rough sea easing. Long period southerly swell 1 metre. North of Cape Terawhiti: Northwest swell 4 metres easing. Fair visibility in rain from afternoon.

Monday: Southerly 25 knots easing to 15 knots early. Rough sea easing. Moderate northwest swell in the north easing. Moderate southerly swell developing.

Tuesday: Variable 10 knots but northerly 15 knots developing late. Moderate southerly swell easing.

Wednesday: Northerly 15 knots rising to 25 knots. Sea becoming rough.

Issued: 12:49pm Saturday 17 Jul 2021

New issues of this forecast are made available on this site at or before:

4:45am, 1pm, 4:45pm, 11:30pm

Updates and amendments may be issued at any time.

Funded by NZ Government

Note

50 kt = 92 km

40 kt = 78 km

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Tides <https://www.metservice.com/marine/regions/kapiti-wellington/tides/locations/mana>

As at 1:18 17 July

Mana / Porirua Harbour 3 Day Tides



Mana / Porirua Harbour Tides Timetable

DATE	HIGH	LOW	HIGH	LOW	HIGH
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

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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I WILL GET A NEW FORECAST ON SUNDAY INTO MIDDLE OF NEXT WEEK

NIWA created an animation of the wave and wind forecast (download here:

<https://drive.google.com/file/d/1xniFZwR90sm01DRuGoETkL0pJ6wmswA5/view?usp=sharing>).

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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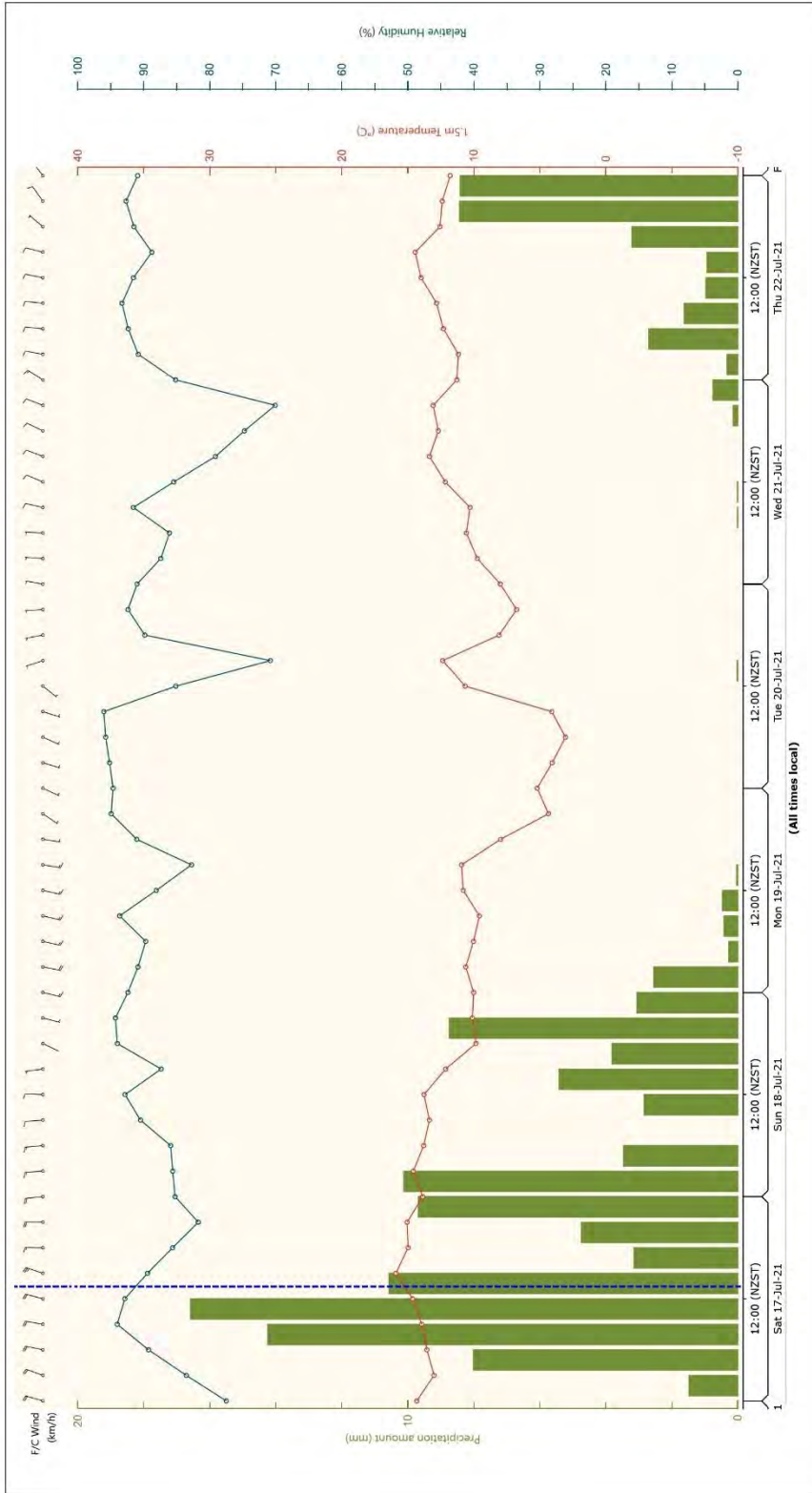
NIWA Forecast for Plimmerton-Mana at XX Sun 18 July

I WILL GET A NEW FORECAST ON SUNDAY INTO MIDDLE OF NEXT WEEK

1. Incident Name
Plimmerton Orca
RecoveryRecovery

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

Porirua 6 day forecast 17 July 2021 1:28 pm



Porirua, Elsdon Park Aws; 6-day forecast weather
(Printed 17-Jul-2021 13:26)

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
--	---

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.

[REDACTED]

From: David Hunt
Sent: Monday, 19 July 2021 11:48 am
To: Dave Smith; Sarah Owen; [REDACTED]; Brent Swanson; [REDACTED]; [REDACTED]; Ian Angus
Cc: Angus Hulme-Moir; Jack Mace; Kirstie Knowles
Subject: IAP 3 Plimmerton Orca Recovery 18 July 2021 - DOC-6723483 DH-IMT
Attachments: IAP 3 Plimmerton Orca Recovery 18 July 2021 - DOC-6723483.docx

Hi Team

IAP for today

Dave Hunt

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
--

<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])

Prepared by: Ian Angus	Date: 16 July	Time: 1600
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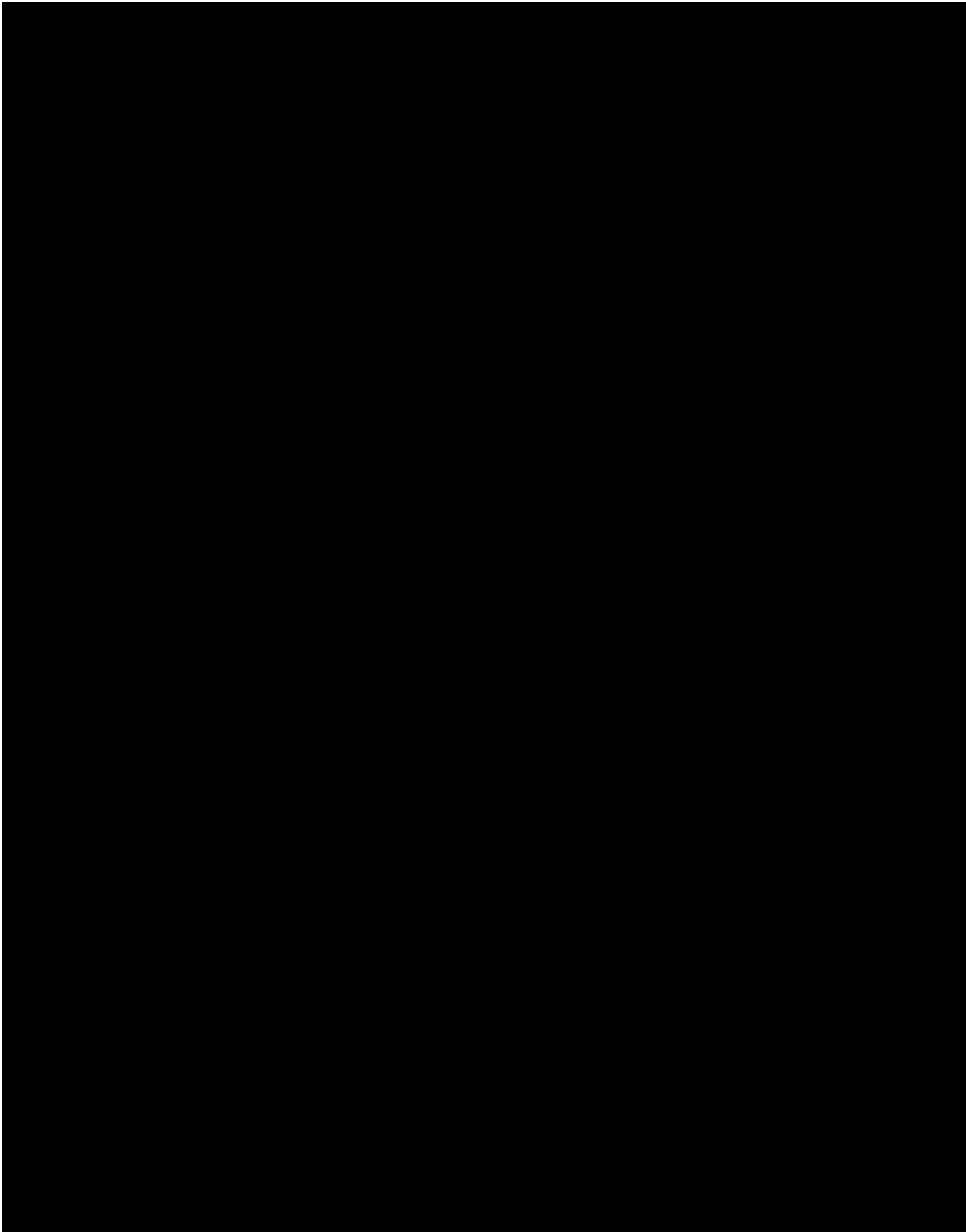
1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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Incident 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	Ingrid Visser																																		
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>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; color: black;">[REDACTED]</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mike Ogle Boat Operations (to be set up)</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]					Mike Ogle Boat Operations (to be set up)											
<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 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	<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> (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: <div style="background-color: black; width: 100px; height: 15px;"></div>			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	[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)					
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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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	
<ul style="list-style-type: none"> • Hypothermia – wet suits if in water • Accumulative fatigue • Disease & pathogens • Whale activity 	
Human affects	
<ul style="list-style-type: none"> • Emotional impacts 	
<p>Had discussions with Whale Rescue regarding the Health & Safety management of volunteers in the water. Protocols to be strengthened.</p>	
<p>Site now secure with limited access for the public</p>	
<p>Plimmerton Boat Club open to members this afternoon.</p>	
<p>Poor weather continuing until Sunday evening-Monday morning</p>	
<p>DOC Security team (safe@doc.govt.nz) will be checking social media for threats over the weekend</p>	
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>Air</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 Recovery	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



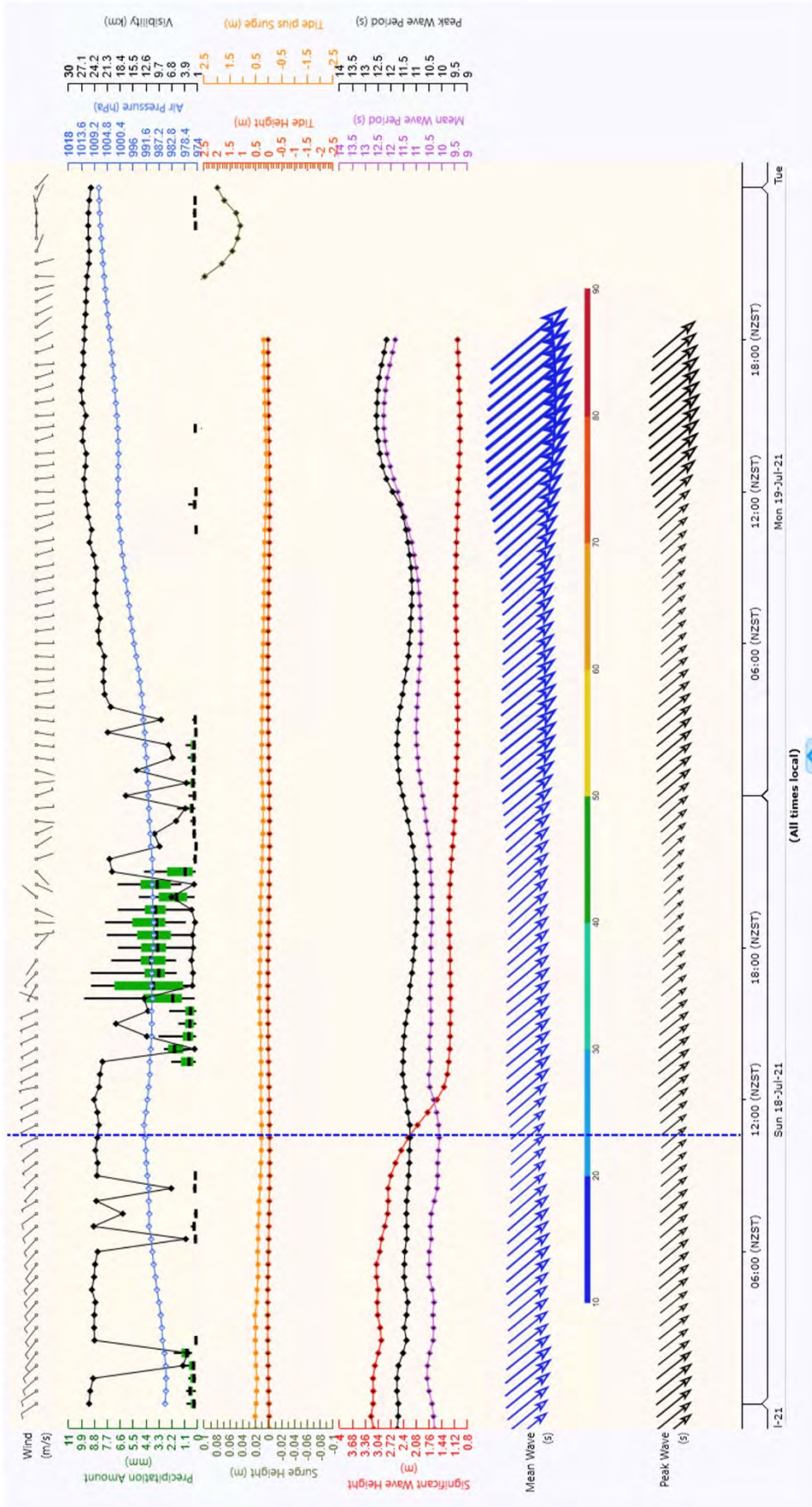
Mana / Porirua Harbour Tides Timetable

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

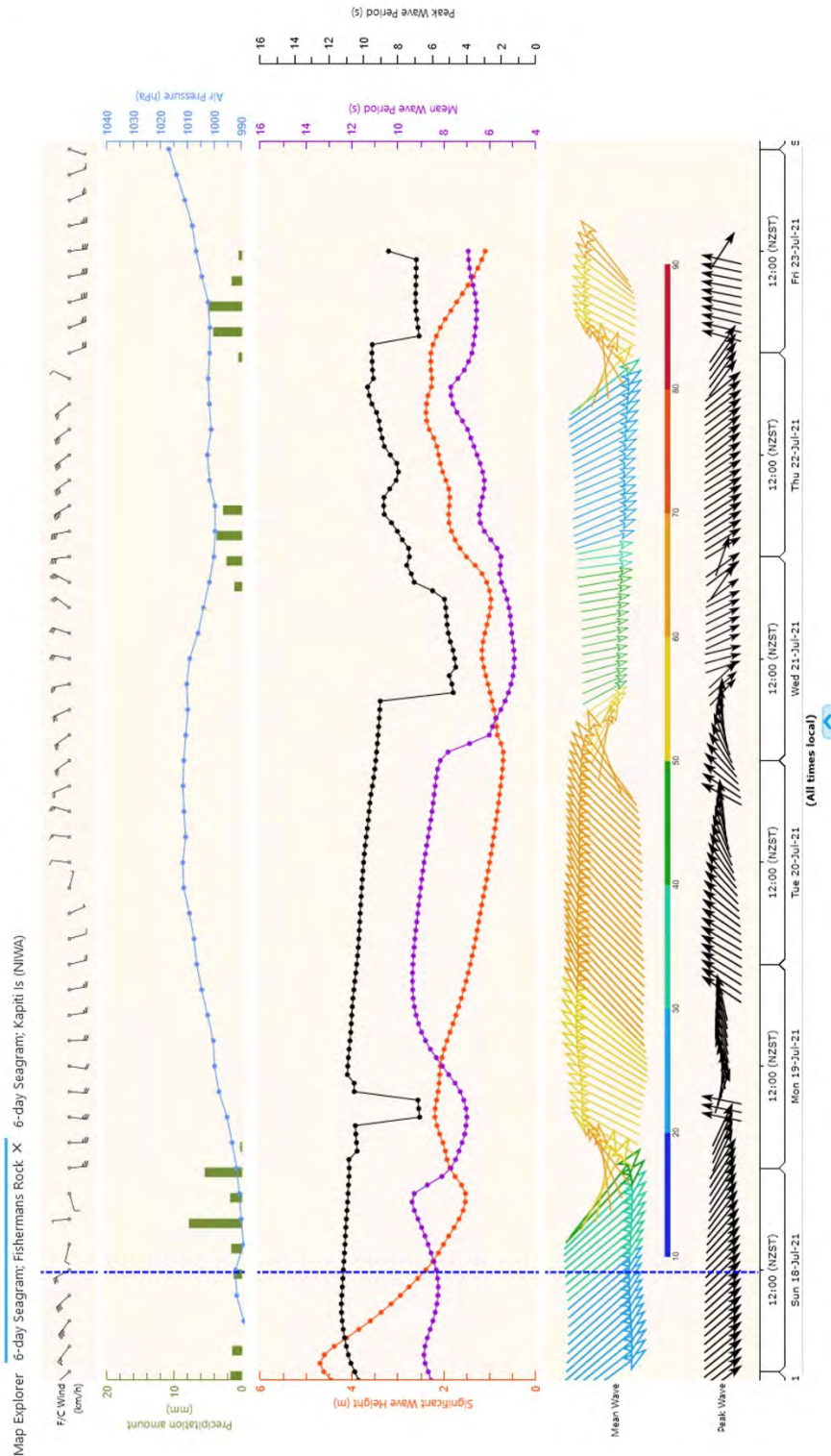


1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

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

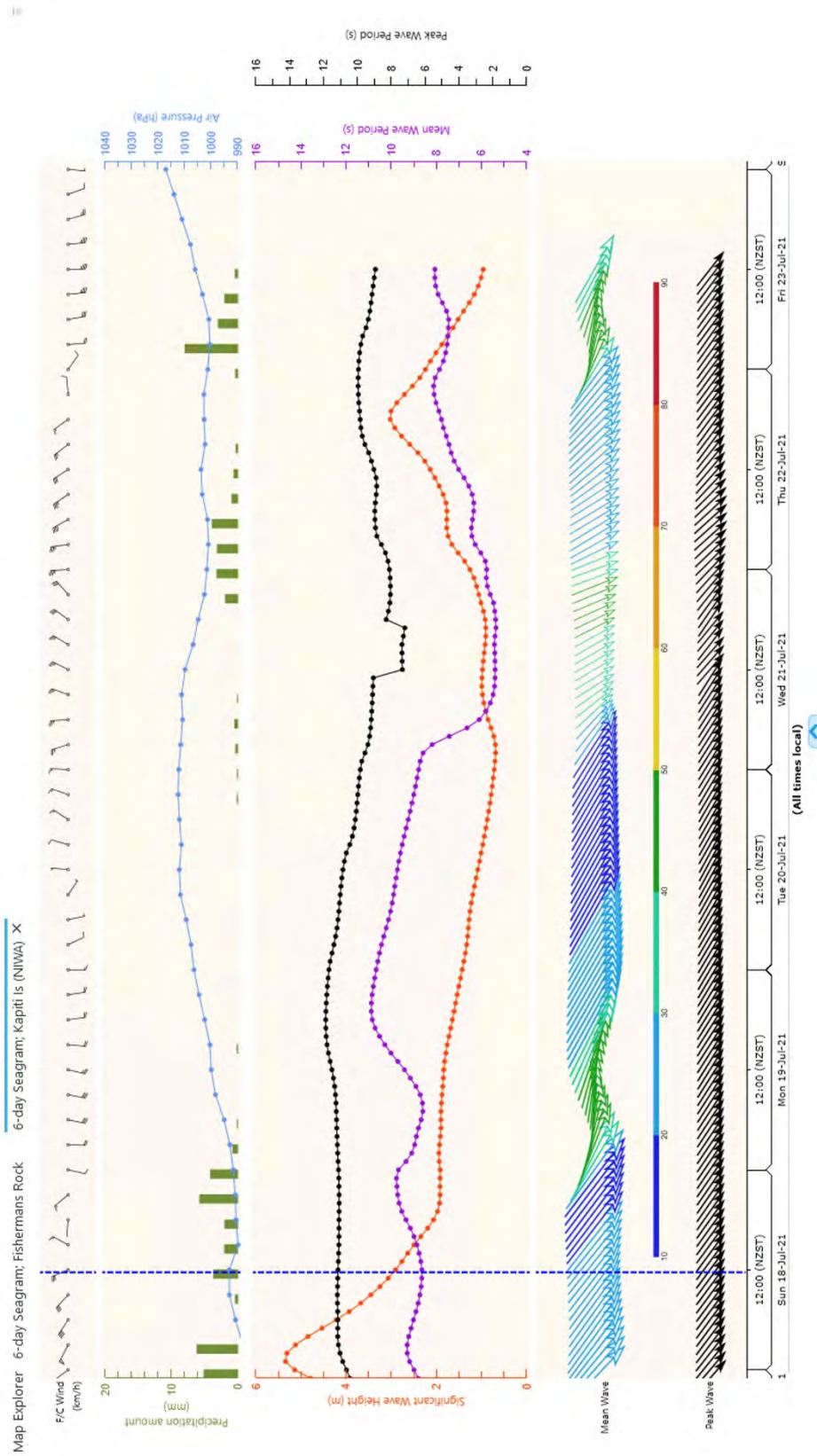
Seagrams

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 appliance/s

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

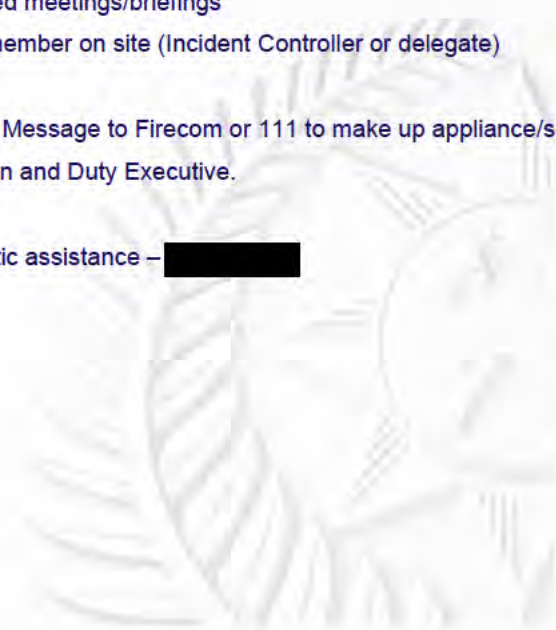
Rosters:

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:		
	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										

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 Sat 17 – 1700 Sun 18 July
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14) Managing visitors, volunteers and NGO's		Work in pairs, avoid confrontation, discretion	
Operations Manager: [REDACTED]		Safety: Brent Swanson	Date / Time: 18 July 2020

[REDACTED]

From: [REDACTED]
Sent: Sunday, 18 July 2021 11:02 am
To: Kirstie Knowles
Subject: Key talking points for sightings

- Heaps of people out sighting today from shore, thanks for this effort, please keep warm and dry
- Sightings are coming through to 0800 DOC HOT, if you can't get through this is a good thing- will mean others are calling in, so do keep trying
- Limited ability to respond to sightings today due to the weather
- Sightings today are really helpful to track movement as we move towards finer weather tomorrow?

[REDACTED]

From: David Hunt
Sent: Monday, 19 July 2021 5:18 pm
To: Dave Smith; [REDACTED] Ian Angus; Kirstie Knowles; Michael McCarthy; [REDACTED]
Cc: Jack Mace; Angus Hulme-Moir
Subject: IAP 4 Plimmerton Orca Recovery 20 July 2021 - DOC-6723483 Rev 15 DH-IMT
Attachments: IAP 4 Plimmerton Orca Recovery 20 July 2021 - DOC-6723483.docx

Follow Up Flag: FollowUp
Flag Status: Flagged

Hi Team

IAP for Tue 20 July

Please provide updates for met by 1400 Tue 20 July

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

| E-Mail: dhunt@doc.govt.nz

Kia piki te oranga o te ao tūroa, i roto i te ngātahitanga, ki Aotearoa.
To work with others to increase the value of conservation for New Zealanders.

www.doc.govt.nz



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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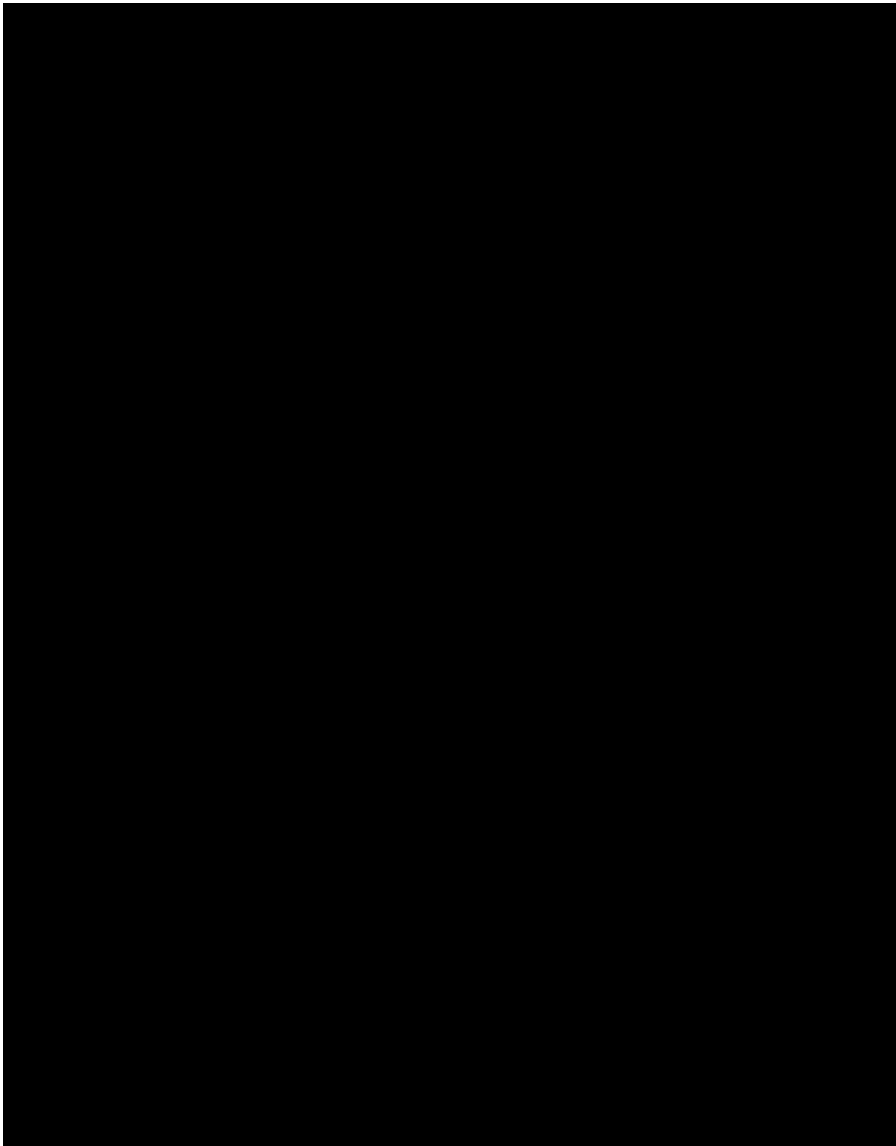
<p>7. Predicted Incident Development</p> <p>What are the likely future outcomes so we can plan for that</p> <p>Scenario</p> <ul style="list-style-type: none"> • See rehabilitation scenarios below Initial approach is to maintain Toa until a local pod with a lactating female is identified, the weather 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]) 		
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	[REDACTED]	
Information Officer	[REDACTED]	[REDACTED]	
Safety Officer	[REDACTED] Michael McCarthy	[REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED] [REDACTED] [REDACTED]	[REDACTED] [REDACTED]	
Agency	FENZ [REDACTED]		
Agency			
Agency			
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	[REDACTED]	[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 Tue 20 July
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7. Operations Section	Cell Phone	Radio Ch
Operations Manager	██████████	
Deputy Operations Manager	██████████ (DOC) night watch	██████████
Division One Commander		
Sector A Supervisor	Ingrid Visser	
Sector B Supervisor	██████████	██████████
Sector C Supervisor	██████████	██████████
Sector D Supervisor		

1. Incident Name Plimmerton Orca Recovery	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	<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> (DOC)																						
7. Resources Assigned this period																							
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"><i>Resource/Crew</i></th> <th style="width: 15%;"><i>Leader</i></th> <th style="width: 15%;"><i># Persons</i></th> <th style="width: 15%;"><i>Transport Required</i></th> <th style="width: 10%;"><i>Drop-off Point/time</i></th> <th style="width: 20%;"><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 sightings from the public (See below for call receiving protocols)																							
Prepared by: <div style="background-color: black; width: 100px; height: 15px; display: inline-block;"></div>			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					
8. Sector Assignment / Special Instructions Manage the boats sector (see Boat Plan below) 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]					
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: ██████████			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	██████████	DOC	██████████	

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

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, ██████████
 SPA x1
 Safety x1
 Ngati Toa x1

8. Prepared By: ██████████	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

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

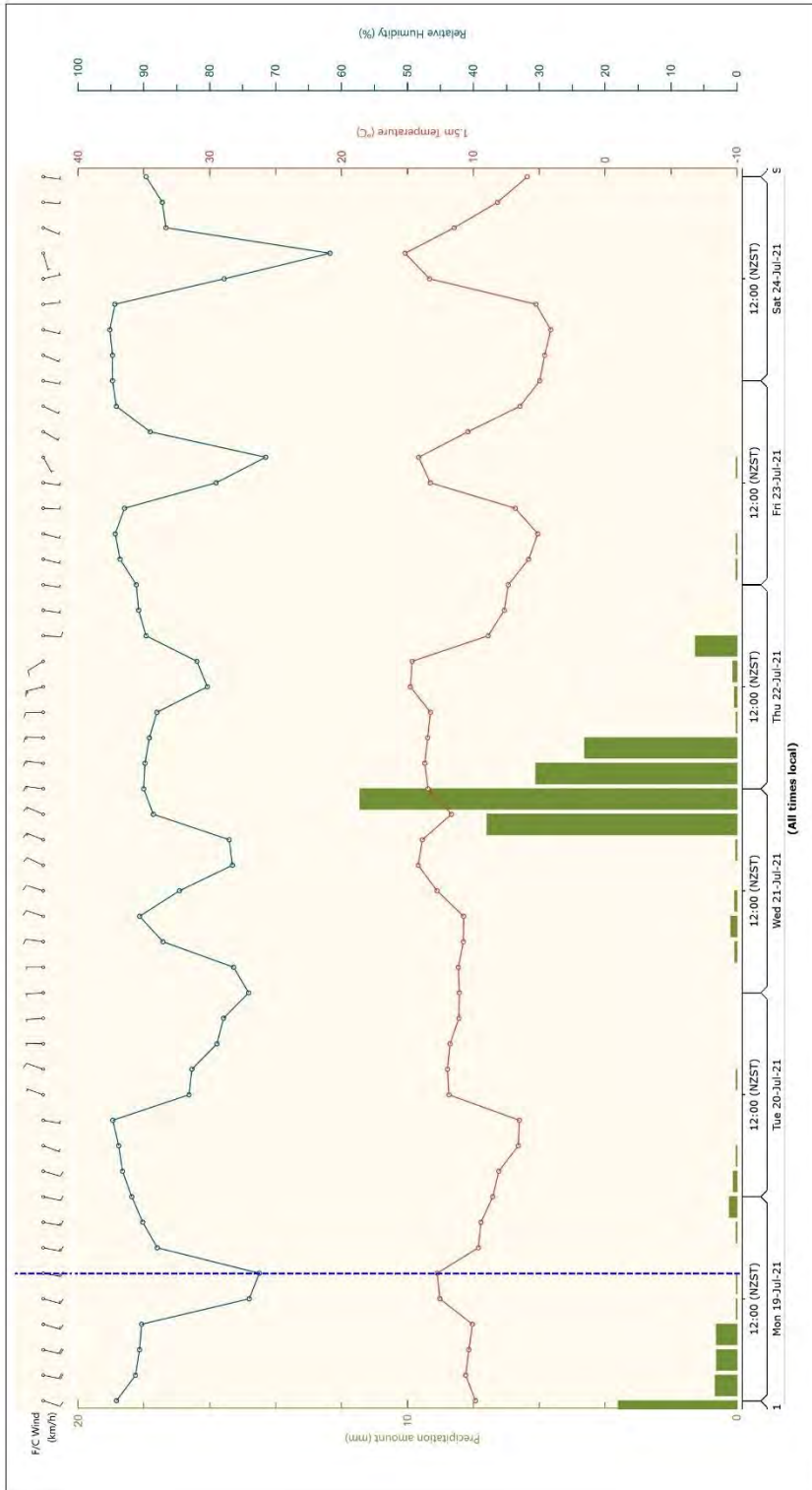
Rain: Dry conditions likely.

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

Swell: NW wave direction with height 0.5 m.

1. Incident Name
 Plimmerton Orca
 RecoveryRecovery

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



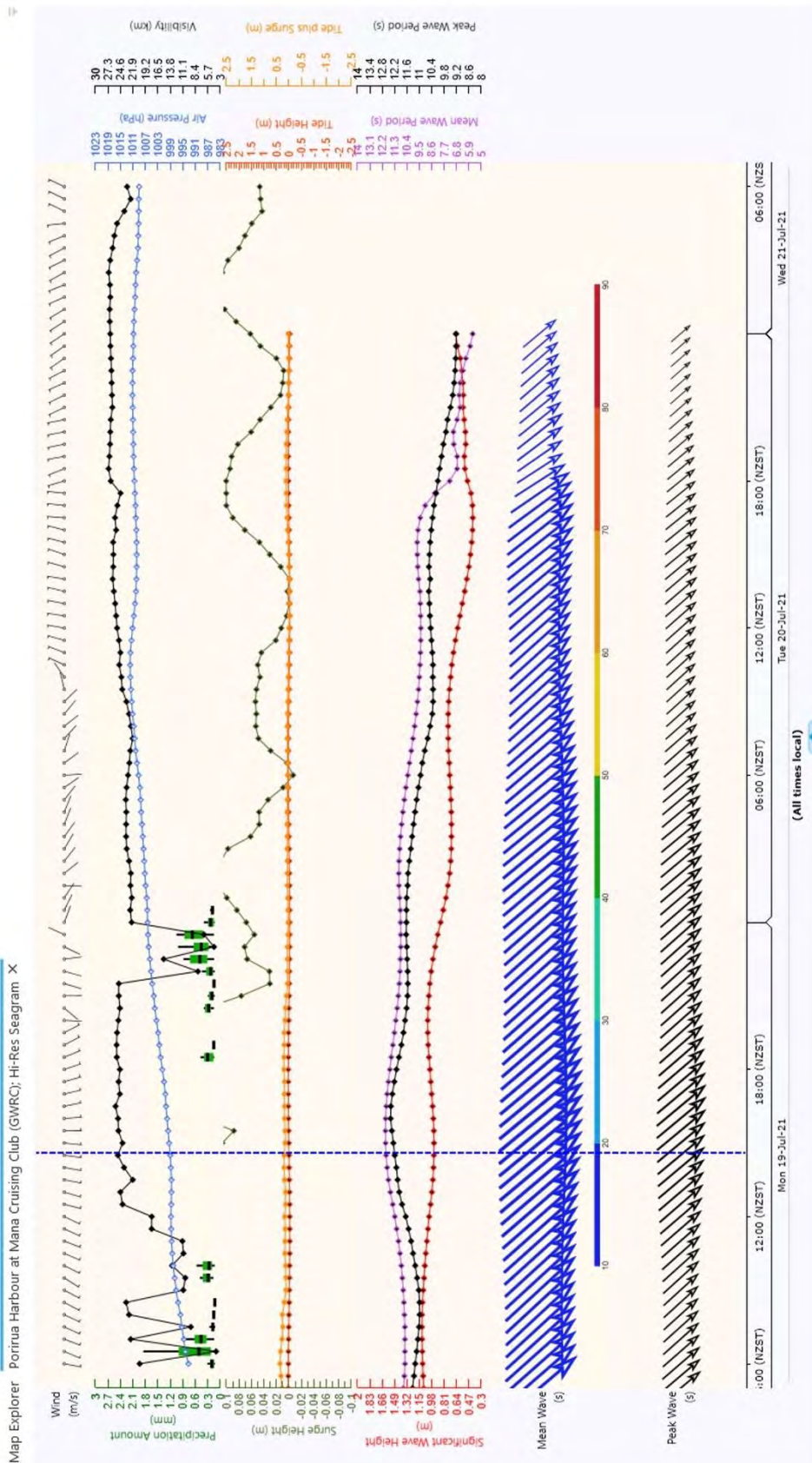
Mana / Porirua Harbour Tides Timetable

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

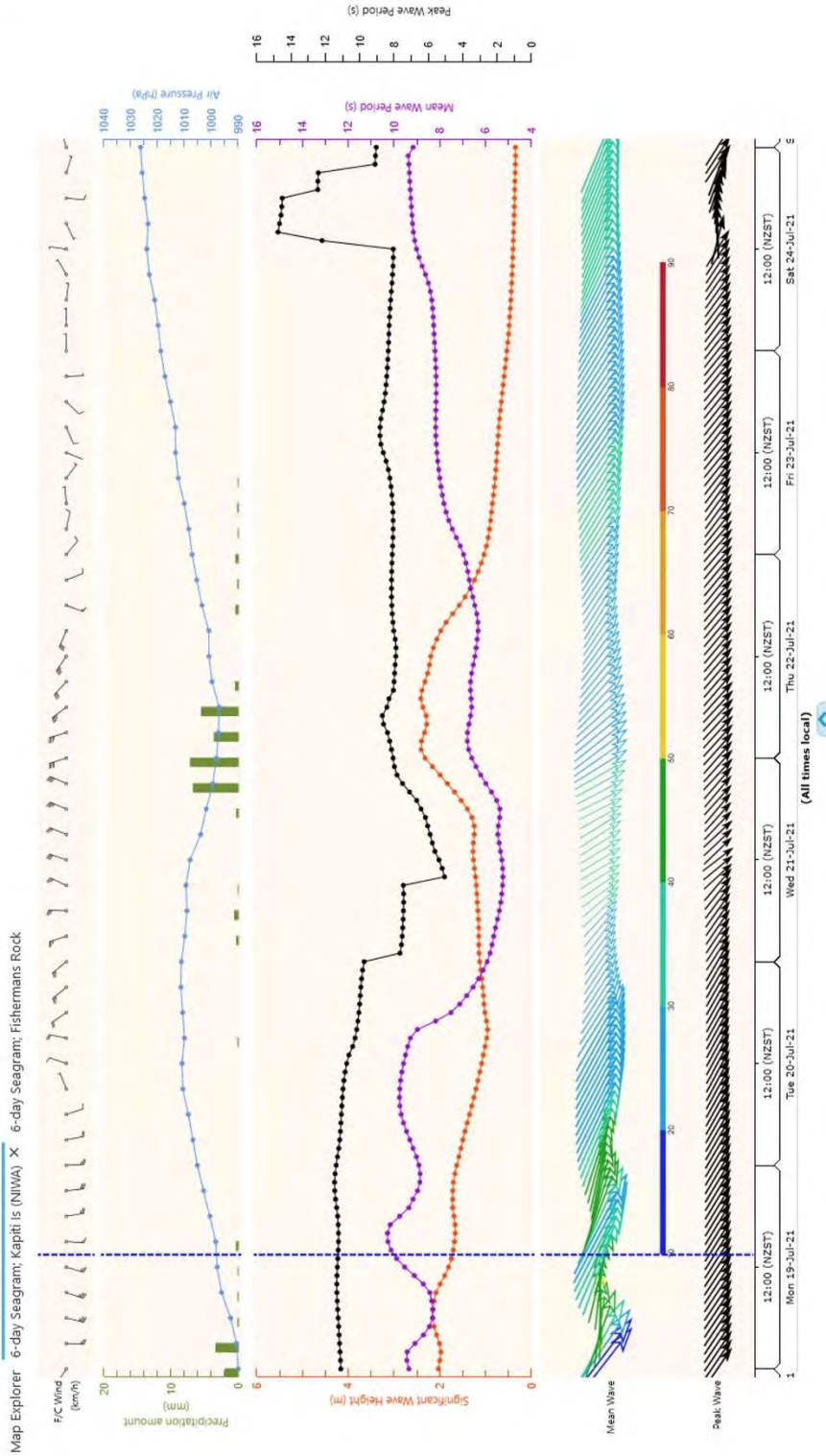


1. Incident Name
**Plimmerton Orca
 RecoveryRecovery**

2. Operational Period – 0800 Tue 20 July

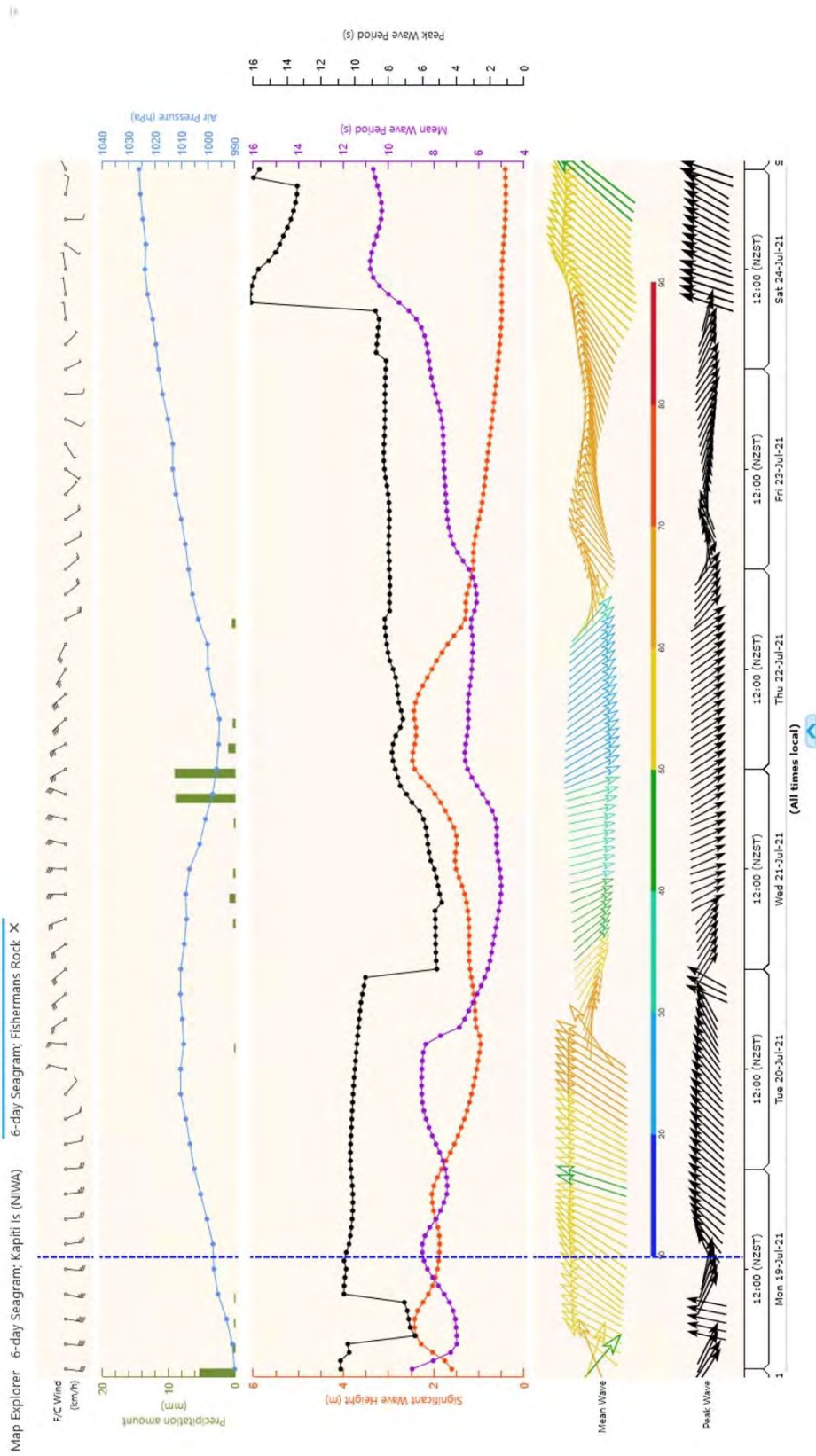
Seagrams

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 Recovery	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 appliance/s
 For non-urgent resource escalation, Page CFO Plimmerton and Duty Executive.

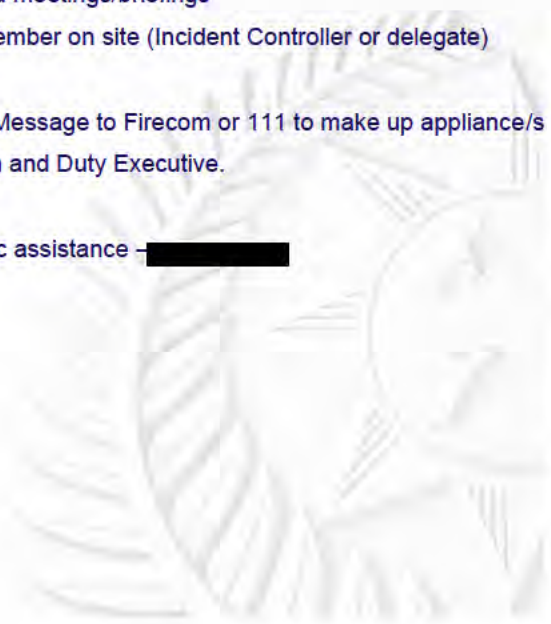
Rosters:

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:				
	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												

1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 Tue 20 July
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14) Managing visitors, volunteers and NGO's	<table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																						Work in pairs, avoid confrontation, discretion	
Operations Manager: ██████████	Safety: Brent Swanson	Date / Time: 18 July 2020																						

[REDACTED]

From: [REDACTED]
Sent: Monday, 19 July 2021 12:52 pm
To: David Hayes
Subject: RE: Orca sighting verification required asap

Now at Tory Channel entrance apparently

From: David Hayes <dhayes@doc.govt.nz>
Sent: Monday, 19 July 2021 11:17 am
To: [REDACTED]
Subject: RE: Orca sighting verification required asap

Hi [REDACTED],
Sorry, Spark phones have been out since Sat morning but have just come back on. [REDACTED] will give you a ring. We will be able to get photos for you.

Cheers
Dave

From: [REDACTED]
Sent: Monday, 19 July 2021 11:02 a.m.
To: David Hayes <dhayes@doc.govt.nz>; Picton <picton@doc.govt.nz>
Subject: Orca sighting verification required asap

Hi Dave,

I cant seem to get through to you, we need a vessel in Tory Channel to get photos and video of a pod asap.

Give me a buzz,

Kind regards,

[REDACTED] | Bycatch Programme Coordinator | Department of Conservation | Te Papa Atawhai | [REDACTED]

www.doc.govt.nz

[REDACTED]

From: [REDACTED]
Sent: Monday, 19 July 2021 2:46 pm
To: Kirstie Knowles
Subject: RE: Sightings summary

Report back from Aero club- no sightings after two hours at air

From: [REDACTED]
Sent: Monday, 19 July 2021 2:10 pm
To: Kirstie Knowles <kknowles@doc.govt.nz>
Subject: Sightings summary

- Multiple reports of sightings of a pod from the entrance of Tory Channel to Erie Bay over the past 24 hours.
- Great video footage (see attached) that has been reviewed by Ingrid and whale rescue team.
- Not Toa's pod but a pod that is known to closely associate with his pod. Large male and mother and calf evident in the pod.
- DOC vessel aiming to get better photos of eye patches that will assist in ID of individuals
- Aeroplane sweep of Kapiti Coast at 1pm, not yet back to base

[REDACTED]

From: Ian Angus
Sent: Monday, 19 July 2021 6:20 pm
To: [REDACTED]; Kirstie Knowles
Subject: Orca update 19/7 1820hrs

Plan remains to try for a relocation if we find pod, subject to safety, wellbeing and logistical feasibility.

Orca stable. Vets and feeding assessments to continue. Daily reports to be shared.

Some pod sightings, but need to follow up on these.

CIMS decision not to move orca to sea pen at site today as water polluted following storm.


TAG met and Kirstie has progressed some further work on scenarios following this. We should meet to discuss next steps. Dave can you discuss with Kirstie on when and how to have a DOC only technical discussion just so we can regroup?

MOC attended today to thank all.

Key tasks for us as I see it:

- Progress TAG process – Dave, perhaps supported by Kirstie and [REDACTED] outside CIMS but reporting into
- Line up sightings system (thanks you [REDACTED] for your work) into CIMS decision process – [REDACTED] and Ian, into CIMS
- Improve planning for boat transfer – [REDACTED], into CIMS
Improve plan for scenario if orca in water but not taken up by pod – [REDACTED], into CIMS

Forecast for Tue: poor water quality at site means I doubt we will move the orca to the sea pen at site. This enables us to improve planning and progress scenario planning.



From: Jack Mace
Sent: Monday, 19 July 2021 5:31 pm
To: Bronwyn Saunders; Elizabeth Heeg; Kevin OConnor; Kirstie Knowles; Sarah Owen
Subject: Re: Establish decision making and advice lines around d Orca Response

Kia ora team

Following the weekend and a site visit. We need to meet as I would like to reshape the framework for advice and decision making around the orca response, including

- Operational/CIMS
- Technical advice/scenarios
- Media
- Minister/SLT

Can you please make yourselves available if possible, or suggest an alternate time on Tuesday if unavailable.

Cheers
Jack

Sent from Workspace ONE Boxer

[Redacted]

From: [Redacted]
Sent: Monday, 19 July 2021 8:21 am
To: Angus Hulme-Moir; Kirstie Knowles; Ian Angus
Subject: Safety Plan
Attachments: Safety Plan 20590 Plimmerton Orca stranding response.pdf

Hi All –

I have started a safety plan in risk manager for the snorkelling component of the Orca release. Its pretty high level at the moment because I am unsure of the exact approach that is going to be taken, so please add any additional detail you think should be in there. A PDF version is attached, and you can also find it on Risk Manager under ID 20590.

Cheers, [Redacted]

[Redacted]
Science Advisor, Marine | Kaitohu Pūtaiao-Ahumaona
Conservation House | Whare Kaupapa Atawhai
Phone: [Redacted]
www.doc.govt.nz



Mon	Tues	Wed	Thurs	Fri
✓	✓	🏠	✓	🏠

✓ = In the office; 🏠 = Working remotely

20590 - Plimmerton Orca stranding response

Business Area:	Operations: Ops Lower NI: Wellington	Site:		Location:	Kapiti Wellington
Person Responsible:	Angus Hulme-Moir	Start Date:	12 Jul 2021	Review Date:	31 Aug 2021
Description of Work:	In-water aspects of responding to marine mammal. This may involve handling of live marine mammals or marine animals. This plan generally excludes hazards in regards to boats, marine mammal biopsy, public management; in case those tasks are applicable a separate plan needs to be created covering those hazards.				

General Comments on Safety Plan	Other Person/PCBU Responsibilities comments
This safety plan is to support the deployment to snorkelers to assist with the release of a stranded Orca calf. Anyone entering the water must be a competent snorkeler and medically fit, and will be equipped with suitable exposure protection, mask, fins and snorkel and a quick release weight belt. Each snorkeler in the water will have a dedicated lookout, and there will be unobstructed exit points allowing snorkelers to quickly exit the water. A maximum of four snorkelers will enter the water at a time, with a fifth snorkeler onboard a support vessel to provide support if required. A dive flag will be flown at all times, and surface support will have available first aid equipment, throwing quoits/throw lines, flotation devices and an airhorn. There will be in place an agreed emergency recall system for snorkelers. Snorkelling will only occur during daylight hours.	lwi organisations Ingrid Visser

Emergency Plan	Emergency Contacts
<p>If an emergency situation arises relating to the safety of the vessel, we will follow the vessel's emergency plan.</p> <p>The following general steps will be followed in the event of an emergency.</p> <p>Assess if the incident requires immediate contact with mainland New Zealand.</p> <p>If NO - take local action (for example, treat injury). Inform Kenepuru of the incident during daily sched and in all cases write an incident report.</p> <p>If YES - phone 111 if necessary, and Jack Mace [REDACTED]</p> <p>If injury, care for patient, ensure danger has been removed and all personnel are safe.</p> <p>If phone contact is not possible, use the vessel's radio: a. VHF channel 83 (listening channel) b. Mountain Radio Organisation 3261. c. International marine distress frequency 2182, 4125, 6215, 8291. d. Taupo Marine Radio 2207, 4146, 6224, 8297. e. Any other likely sources of aid.</p> <p>Use a MAYDAY or PANPAN VHF call on channel 16 if you think there may be vessels in the area that may be able to assist. This must be used in conjunction with contacting the mainland.</p> <p>If unable to make contact by phone or satellite, activate vessel's Emergency Position Indicating Beacon (EPIRB).</p> <p>FOR MEDICAL ADVICE, contact the Department's medical advisor in Christchurch, who will provide phone advice. Explain to the call recipient that you have an agreement for the provision of phone advice and ask to speak with a doctor urgently: 1) [REDACTED], Medical Advisor [REDACTED]</p> <p>2) [REDACTED].</p> <p><u>SPECIAL EMERGENCY PROCEDURES RELATING TO SNORKELLING:</u></p> <p>A. Special procedures for lost SNORKELLER situation:</p> <ul style="list-style-type: none"> If one of the dive team members cannot be seen by others in the team while in the water, the remaining members will stay together watching out for the lost snorkeller. 	<p>111 POLICE, AMBULANCE, FIRE</p> <p>Jack Mace [REDACTED]</p> <p>Ian Angus [REDACTED]</p>

- The dive coordinator will appoint spotters to keep a lookout for the snorkeller from the river bank.
- If the lost snorkeller is not found within 30 minutes of the search being initiated, the emergency procedures as detailed above will be implemented.

B. Special procedures for injuries such as hypothermia, barotrauma or shallow-water blackout:

- 1. The patient will be transferred to shore/boat, and the appropriate medical treatment will be initiated.

C. Conscious Snorkeller Requiring Assistance at the Surface:

- 1. Snorkeller to signal for support.
- 2. Most importantly, never endanger yourself to assist or rescue another snorkeller.
- 3. Extend anything to the snorkeller that will allow you to pull him/her to safety OR
- 4. Throw something to the snorkeller to provide flotation OR
- 5. Approach the snorkeller in the water, using the trained method appropriate to the situation (e.g. from underwater, in front or behind)
- 6. Establish contact with the snorkeller and establish buoyancy.
- 7. Tow the snorkeller to safety.

D. Unconscious Snorkeller Requiring Assistance at the Surface:

- 1. Call or signal for help as you establish buoyancy and turn the victim face up.
- 2. Drop the victims weights.
- 3. Remove the victims mask and snorkel.
- 4. Begin rescue breathing (if required) as you tow the victim to the shore. Note that CPR cannot be performed in the water.

E. Unconscious Snorkeller Requiring Assistance Underwater:

- 1. Quickly note the snorkelers position, whether he/she has the snorkel in his/her mouth, whether he/she is wearing a mask and other clues about the accident.
- 2. Get the victim to the surface immediately, establish positive buoyancy for both of you and signal team members for assistance;
- 3. Get the victim on their back, remove their mask and snorkel, blow on their face/eyes, stimulate the face with a few gentle taps and vocalise encouragement to breathe. This should stimulate breathing;
- 4. Get the victim to land/boat ASAP and begin rescue breathing if required.

F. Arranging for emergency evacuation and medical care.

- Ring 111 and inform the operator of the signs / symptoms exhibited by snorkeller and time of onset and duration
 - current treatment (e.g. administration of oxygen)
 - any known medical conditions
 - your location
 - any other information requested
- Prepare airstrip / helipad if required. Prepare patient for evacuation by putting a lifejacket on him/her.
- Possibly handover oxygen system to accompany patient during transit.

Notify:

- Next of kin
- Area Manager / Conservator

- HR Advisor (re: accident in the workplace)
- OSH, as soon as possible, but in writing within 7 days of the accident.

Worker Engagement

Feedback via staff meeting. And also individual review.

WorkSafe Notifiable Work (if applicable)

Permit to Work (if applicable)

Approval Signatures

Person Responsible : Angus Hulme-Moir

Signed :

Date:

Manager XXXXXXXXXX

Signed :

Date:

Other Person/PCBU Responsible :

Signed :

Date:

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
1644	Aggressive animals	Attack from animal, bites, lacerations etc resulting in serious injury	<p>Management Controls: Staff are aware of procedures and safe working practices</p> <p>Minimum Competencies: Competent person</p> <p>Work Instructions: Assess degree of threat from animal and withdraw if necessary. Remain calm and still. If you say anything speak calmly and firmly. Try to stay still until the animal leaves or back away slowly until the animal is out of sight. Don't turn and run. If you fall or are knocked to the ground curl into a ball with your hands over your head and neck. Protect your face. Avoid eye contact with any dog, treat any free-running dog as potentially dangerous and don't crouch down to an unfamiliar dog as it brings your face too close to theirs.</p> <p>PPE: As directed by Team leader</p>	
1598	Diving - hazardous marine life (excl sharks and stingrays)	Hazards due to marine life other than sharks (see Hazard 1599) and stingrays (Hazard 34078), including jellyfishes, anemone, corals, cone shells, urchins, crown of thorns starfish, poisonous fishes and sea snakes. Hazards can occur due to inappropriate response or acts due to panic and/or stress. Risks include: cuts, puncture wounds, exsanguination, envenomation, anaphylaxis and secondary infection.	<p>Management Controls: Dive Proposals (DOC-2546826) must identify any species of hazardous marine life commonly occurring in the area of operation and the dive team must be familiar with the identification, habitat and behaviour of the hazardous marine life, and appropriate First Aid treatment.</p> <p>Minimum Competencies: All divers should be able to identify any species of marine life commonly occurring in the area of operation and be familiar with or have timely access to information on appropriate First Aid.</p> <p>Work Instructions: Do not actively attract or provoke animals and maintain safe distances. Leave area/site if animals appear distressed, excited or threatening. Avoid handling venomous marine life, particularly cone shells, crown of thorns starfish, <i>Diadema</i> urchins, scorpion fishes (Family Scorpaenidae), stingrays and sea snakes. Maintain constant awareness of your surroundings particularly when working on or near the bottom, beneath overhangs in caves, or in areas of high surge where you may inadvertently rest upon or be swept onto urchins or other venomous species.</p> <p>PPE: Wear appropriate protective clothing such as a full wetsuit or dry suit or a 'stinger suit' as well as boots and gloves.</p>	Marine mammal expert to be onsite to assess Orac behaviour and recall snorkelers if aggressive behaviour observed. Snorkelers to remain clear of flukes and pod behaviour to be assessed before putting snorkelers in the water.

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
1599	Diving - Shark Encounter	Inappropriate response or actions in the presence of sharks due to panic and/or stress resulting in unprovoked or provoked shark bite and soft tissue injuries, lacerations, bleeding, serious wounds, broken bones.	<p>Management Controls: Dive proposals (DOC-2546826) must identify any potentially hazardous species of shark commonly occurring in the area of operation and appropriate response and actions. Have the dive boat or tender follow you throughout the dive. Avoid diving in areas where burley offal or rubbish is being discharged into the water; areas where other boats are fishing; areas where large numbers of fish sea birds and cetaceans are actively feeding; and in open water around large seal colonies and haul-outs. If you have to dive near a seal colony avoid long surface swims and spending time floating at the surface. If possible, enter and exit the water as close to shore or rocks as practical. Avoid diving around whale carcasses or offshore of whale strandings. Avoid night diving in areas where large sharks are abundant or have been seen during the day. Ensure that dive suits and equipment are not contaminated by fish bait, blood or offal and avoid strongly contrasting highly reflective or brightly coloured dive equipment.</p> <p>Minimum Competencies: All divers should be able to identify any potentially hazardous species of shark commonly occurring in the area of operation and be familiar with procedures for terminating a dive in the presence of a potentially hazardous species of shark.</p> <p>Work Instructions: If sharks are encountered underwater remain calm and try to identify the species and assess their behaviour. If you cannot determine the species treat any shark over 1.8m as potentially dangerous. Do not behave aggressively towards sharks that are behaving normally or just being curious as this could precipitate a defensive attack. Behaviours to avoid include swimming directly at a shark; persistent close following; suddenly accelerating toward a shark; attempting to grab punch or wound a shark; cornering or otherwise impeding the movement of any species of shark. If confronted by an aggressive shark attempt to keep it in view descend to the bottom and seek shelter or retreat to shallow water. Avoid panicked or jerky movements wait until confident the shark has left the area and warn other members of dive team as soon as it is safe to do so. Move out of the area while remaining in or close to cover for as long as possible; if possible avoid ascending through open water by yourself; if possible locate your dive buddy/other dive team members and exit the water in a tight group. If you encounter an aggressive shark/s in mid water or are followed off the bottom by an aggressive shark/s slow your ascent and if necessary stop and confront it; pair up and defend your dive buddy's back; use any equipment you may have to defend yourself; respond as aggressively as you can if a shark makes any attempt to contact or bite you; if by yourself swimming directly and purposefully at a shark may deter it long enough to allow you to get into a boat or climb out of the water. In the event of an attack or violent physical contact with a shark use any object you have to defend yourself. Focus defensive blows on the shark's eyes and gills. Once on the surface call for assistance and exit the water as soon as possible.</p> <p>PPE: Consider use of shark shields depending upon the species of shark.</p>	<p>All team members to be vigilant for shark sightings and unusual sea life behaviour.</p> <p>Avoid diving during dawn and dusk "bite time"</p>

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
2422 4	Dividing - Use of restricted or inexperienced divers	The use of inexperienced divers working beyond their training and experience can increase the likelihood of accident or injury including decompression sickness and fatality. Consequences depend on the circumstances but may include diver confusion, lost diver, diver stress, diver panic, diver separation or lost diver exceeding nDLs.	<p>Management Controls: Dive Proposals (DOC-2546826) must indicate team experience and restricted diver to CoC diver ratios. Pre-dive briefings must identify the roles and responsibilities of each dive team member, who buddy pairs are, and lost diver procedures and protocols. Restricted divers must not dive deeper than 18 m, not act as a standby diver or dive leader, not use lift bags, not undertake tethered diving, and must dive under the direct supervision of another diver who holds a certificate of competence (CoC), where direct supervision means within reach or visual contact to ensure immediate assistance can be provided in the event of an emergency, including from the time they enter the water to the time they exit the water.</p> <p>Minimum Competencies: All inexperienced or restricted divers must dive under the direct supervision of a diver who holds a certificate of competence (CoC) and is experienced with the diving environment and task.</p> <p>Work Instructions: A diver who holds a certificate of competence may not supervise more than one restricted diver at a time. Ensure all divers are given the opportunity to refuse to dive or terminate a dive at any stage if they feel the dive activities are beyond their capability or experience. Check prior to field trip that divers have the necessary skills and experience to conduct the task(s) being undertaken. Use training dives / skills dives in a controlled environment to demonstrate and test equipment before using it for tasks.</p> <p>PPE: As per the Departments Diving and Snorkelling Technical Document (DOC-2524396).</p>	
1594	Dividing & Snorkelling - General	Inappropriate response or actions due to panic, stress or insufficient training. Consequences include inhalation of liquid (salt-water aspiration) or eardrum stretch and/or rupture due to pressure changes during diving and snorkelling.	<p>Management Controls: Compliance with 'Diving and Snorkelling Technical Document at all times. Before conducting any diving or snorkelling operations the Dive Coordinator for a proposed operation must formulate a dive proposal (DOC-2546826) that identifies the qualifications and experience of all participants in diving or snorkelling activities. The Dive Proposal must be approved by the Dive Safety Officer (divesafetyofficer@doc.govt.nz) and relevant Operations Manager(s).</p> <p>Minimum Competencies: All scientific divers are to hold a current scientific diving COC, occupational medical clearance, and first aid & O2 provisioning certifications. All restricted divers must hold a rescue diver qualification, an occupational medical clearance, first aid & O2 provisioning certifications and dive under the direct supervision of a scientific diver. All snorkelers must have a current dive medical and first aid certificate. All divers and snorkelers must have completed an annual emergency skills assessment. Ensure divers and snorkelers receive ongoing training to maintain their skill levels and competencies.</p> <p>Work Instructions: The swimming skills and fitness of all personnel undertaking in-water activities must be identified. Divers should not use decongestants prior to or during dives. Ears should be equalized early and often during the descent before the stretching is painful. Divers and snorkelers should check if the ears will clear on the surface as a precondition for diving.</p> <p>PPE: Surface support must have floatation devices, throw ropes and lifejackets available. Emergency first aid and oxygen equipment sufficient to provide oxygen to breathing or non-breathing patient for any foreseeable emergency should be available until emergency services arrive.</p>	

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
2423 0	Diving and Snorkelling - Coldwater diving/snorkelling	Loss of body heat to the water or other surroundings resulting in reduced core temperature, shivering, loss of strength, reduced level of consciousness, loss of consciousness, hypothermia and eventually death. Evaporative cooling on the surface is also an effective mechanism of heat loss and can affect divers in wet diving suits while travelling on boats.	<p>Management Controls: Dive Proposals (DOC-2546826) must outline the temperature of water at the site and the thermal protection to be provided that will allow divers/snorkelers to maintain a comfortable temperature for the duration of the work. A briefing must be given before the work identify hazards and controls associated with working in cold water and evaporative cooling.</p> <p>Minimum Competencies: All divers and snorkellers must be trained and experienced in the use of wetsuits and/or drysuits and be able to recognize and treat the onset of hypothermia.</p> <p>Work Instructions: Monitor forecasts prior to the field trip and pay careful attention to predicted conditions. Monitor all divers/snorkellers for signs of thermal stress. Wear appropriate exposure protection and terminate work if cold. Rotate divers/snorkelers if possible and maintain core temperature with warm fluids during surface intervals if applicable. All divers/snorkelers must be given the opportunity to refuse to dive or terminate a dive at any stage if they become too cold.</p> <p>PPE: Thermal protection for working in cold water, including wetsuits, hoods, gloves, booties and drysuits. Protection from evaporative cooling, including hats, jackets, gloves, warm showers and hot drinks/soups.</p>	skipper and dive coordinator will be mindful of the teams well being at all times. Food and hot drinks will be available on the vessel. Weather conditions will constantly be monitored. Dive coordinator will assess individual divers condition at the completion of each dive.
2423 4	Diving and Snorkelling - Entanglement	Diving/snorkelling around nets lines wrecks giant kelp forests or debris or laying transect lines can present entanglement or snagging risks increasing the chances of serious harm or death. Diver/snorkeler trapped underwater. Divers may exceed nDLs or run out of breathing gas and drown. Inappropriate response due to panic is also possible.	<p>Management Controls: Divers/snorkellers must dive in buddy pairs, maintain effective communication with each other and be able to provide immediate assistance if required. There must also be a Safety Diver on standby.</p> <p>Minimum Competencies: All divers must have successfully deployed an SMB during their annual emergency skills assessment, and be able to access and use their cutting device.</p> <p>Work Instructions: Ensure that divers/snorkelers are streamlined and have no dangling equipment. If divers become snagged or entangled and it is safe to do so they should deploy their SMB to let surface support know their location and that they require assistance.</p> <p>PPE: Divers/snorkelers should carry knives or other cutting devices so in the event they become tangled they can free themselves. Divers should also carry SMBs and be proficient in their deployment from depth.</p>	Identify any surface markers indicating fishing gear/mooring lines prior to divers entering the water. All dive team members must carry a personal diver knife.

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
2422 9	Diving and Snorkelling - From boats	Boat strike of divers or snorkelers on or near the surface can occur during diver pickup or in areas where boat traffic is present. Boat strike can result in fractures, soft tissue injuries, lacerations, bleeding, confusion, diver disorientation or death. Divers can be separated from boat due to poor visibility at surface or strong underwater currents or inaccurate check by boat crew. Diver separation from a boat resulting in greater risk of exposure, drowning and dehydration.	<p>Management Controls: The dive/snorkel team must include an attendant that maintains a constant lookout during diving activities. A clear system of communication must be used between skippers crew and persons in the water including acknowledgment that the receiver of the message has heard and understood the instructions. Ensure appropriate signalling devices are used (i.e. dive flags and floats) to warn other vessels divers are in the water and that divers remain close to such devices. Consider using surface floats and live boating surface tenders in areas of high vessel traffic. Boat crew must use a positive check system (such as the daily dive log) to identify that each diver is on board after a dive.</p> <p>Minimum Competencies: All divers and snorkelers must have successfully deployed an SMB during their annual emergency skills assessment and must be trained in lost diver procedures. Skippers must be appropriately licensed and competent, and able to respond to the skippering requirements for any diving emergency that may develop.</p> <p>Work Instructions: Operators of vessels must ensure that swimmers snorkelers and divers are well clear of propellers before engaging them and proceed with extreme caution where swimmers, divers and snorkelers may be close to vessels. Approach equipment / divers at low speed from downwind. Be prepared to abort and try again. Have divers approach the vessel rather than getting the vessel too close and ensure there is communication between the skipper and divers. Place engine into neutral when retrieving equipment / divers.</p> <p>PPE: A dive flag (at least 600 mm x 600 mm) must be displayed prominently whenever diving and snorkelling is conducted. Divers/snorkelers should use SMBs, surface floats and/or whistles to inform surface support of their location. Divers may carry a personal submersible EPIRB or VHF radio. Surface support should have a throwing quoit and trail line available to help assist divers return to the boat.</p>	
2422 8	Diving and Snorkelling - From shore	Walking across uneven or slippery surfaces while carrying scuba or snorkelling gear can result in sprains soft tissue injuries fractures lacerations bleeding. Inability to exit the water due to changed surface conditions along the shore resulting in lost diver, diver separation, hypothermia, drowning.	<p>Management Controls: Use safe entry / exit points, do not enter the water via surf zones / areas with breaking waves. Have alternative entry / exit points identified if surface conditions change. Do not enter the water via surf zones / areas with breaking waves. Where practical, surface support should assist divers entering and exiting the water.</p> <p>Minimum Competencies: All dive team members must be trained and competent in undertaking site and task-specific risk assessment and the selection of appropriate risk control measures.</p> <p>Work Instructions: Ensure that divers/snorkelers are streamlined and have no dangling equipment. Divers must dive in buddy pairs.</p> <p>PPE: Divers/snorkelers should use SMBs, surface floats, safety sausages, and whistles to inform surface support of their location. Divers/snorkelers may carry a personal submersible EPIRB or VHF radio. Surface support should have available a throwing quoit to help assist divers exiting the water.</p>	

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
2423 3	Dividing and Snorkelling - Strong currents or tides	Strong water movement creating so much drag on the diver that progress upcurrent is severely restricted resulting in diver/snorkeler fatigue or stress increasing the chances of serious harm or death. Can also result in diver/snorkeler separation or lost divers/snorkelers. Consequences depend on the circumstances but can result in increased air consumption, impaired judgement, stress, exceeding NDLs, increased risk of decompression illness, abandonment at the surface, lost diver/snorkeler.	<p>Management Controls: Where possible eliminate, otherwise plan for changing conditions and appropriate responses to increased water movement. Avoid diving in areas of high current / tidal stream or plan dives around slack tide. Stay in buddy pairs at all times. Be prepared to terminate work if conditions / currents are stronger than expected. Ensure all divers/snorkelers are given the opportunity to refuse to work or terminate a work at any stage if they feel the conditions are beyond their ability or training. If divers are caught in a current deploy your SMB from depth so that surface support can track your position.</p> <p>Minimum Competencies: All divers must have successfully deployed an SMB during their annual emergency skills assessment and must be trained in lost diver procedures.</p> <p>Work Instructions: 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.</p> <p>PPE: Divers should carry an SMB and be proficient in its deployment from depth. Divers may also carry reef hooks. Divers and snorkelers must carry a safety sausage and a whistle to attract attention and may carry a personal submersible EPIRB or VHF radio.</p>	Additional attendants could be appointed if the skipper deems it necessary due to changes in visibility and sea conditions.
1474 1	Dividing and Snorkelling: Boat traffic	Diving in areas where boat traffic is present can increase the likelihood of boat strike (or the inability to surface from a dive due to overhead boat traffic) resulting in fractures soft tissue injuries lacerations bleeding confusion diver disorientation or death.	<p>Management Controls: The dive team must include a divers attendant that maintains a constant lookout during diving activities. Surface support should use dive flags, hand signals and VHF radio to inform passing vessels of diver activity. A dive flag (at least 600 mm x 600 mm) must be displayed prominently whenever diving and snorkelling is conducted.</p> <p>Minimum Competencies: Surface support should include at least one person trained and competent in the use of VHF radios. All divers must have successfully deployed an SMB during their annual emergency skills assessment.</p> <p>Work Instructions: Be aware the flying of a dive flag does not prohibit boats from driving over a diver or snorkeler. A good look out should be kept at all times. An announcement should be made on marine VHF using any channel used commonly by local boats. If possible be prepared to intervene either by flag and/or arm waving to protect the divers.</p> <p>PPE: Divers should use SMBs, surface floats, and/or whistles to inform surface support and vessels of their location.</p>	Follow emergency procedure outlined in this plan.
485	Manual handling	Sprains and strains. Crushing. Slips, twisting, compression.	<p>Management Controls: Seek alternatives to manual lifting/handling. Make sure staff are suited to the tasks and do not have serious disabilities. Familiar with principles of the Code of Practice for Manual Handling. View the First Move videos.</p> <p>Minimum Competencies: Manual handling training recommended. View the First Move videos.</p> <p>Work Instructions: Minimise the need for lifting heavy loads by choice of equipment, position of equipment. Seek assistance when lifting heavy or awkward loads. Do not twist while lifting and use your legs to provide lift rather than your back. Items are stored securely and will not fall. Undertake JSA</p> <p>PPE: Whatever is appropriate/required for the specific task and/or as directed by the Team Leader.</p>	<p>Also applies to volunteers All staff should request assistance from other staff to assist with handling heavy or awkward loads.</p> <p>ALWAYS use a trolley for moving heavy objects. Adequately brief event staff prior to commencing work. Advise staff to seek assistance if needed.</p>

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
4003	Marine mammals: sea conditions & tidal currents	<p>Crushing by swell rolling whale. Tidal flow dragging people out to sea.</p> <p>Crushing of body parts or person by whale causing severe injury or death. Tidal flow dragging people out to sea causing drowning.</p>	<p>Management Controls: Staff awareness of sea condition. Marine Mammal training and coaching from experienced staff. Staff fit and wearing appropriate footwear and clothing for working in sea conditions.</p> <p>Minimum Competencies: Experience with refloating marine mammals</p> <p>Work Instructions: Determine that sea conditions are safe to refloat the whale at the stranded location. Consider moving. Keep watch on sea conditions and how they are moving the marine mammal. Monitor the tidal flow and ensure staff let go of the whale in a timely manner so they can still get back to shore.</p> <p>PPE: Wet suit (if needed) and booties as situation requires</p>	<p>Seek local knowledge from residents about potentially dangerous local sea conditions. Check tides, monitor weather conditions and swell forecast. Be aware of storm surge.</p>
1596	Snorkelling - Surface, unweighted or weighted breath-hold	<p>Inhalation of water due to poor airway management. Loss of consciousness caused by cerebral hypoxia. Snorkelers can inhale water due to poor airway management and may not be able to return to the surface if inappropriately weighted resulting in unconsciousness or drowning. Physiological responses to contaminants in the lung due to inhalation of liquid. Loss of consciousness caused by cerebral hypoxia towards the end of a breath-hold dive in water typically shallower than five metres resulting in shallow water blackout. Secondary drowning which can take place up to 72 hours after a near drowning incident and may lead to a serious condition or death.</p>	<p>Management Controls: Snorkelers must operate in buddy pairs, and when breath-hold diving must use the one-down one-up rule with constant visual contact. The minimum surface interval between breath-hold dives must be twice the duration of the dive time and the buddy should maintain close direct supervision of the diver for a minimum of 30 sec once they have returned to the surface.</p> <p>Minimum Competencies: All snorkelers must have a current dive medical and first aid certificate and must complete the shallow water black-out training during the annual emergency skills assessment.</p> <p>Work Instructions: In the event of a shallow-water blackout get the victim to surface immediately. Establish positive buoyancy for the both of you. Remove mask and snorkel, blow on the face-eyes, stimulate face with a few taps, vocalize encouragement to breathe. Get the victim to land or a boat ASAP and begin rescue breathing if required.</p> <p>PPE: Mask, snorkel, fins, a quick release weight system, thermal protection and a knife.</p>	

Hazard Management

ID	Hazard Title	Hazard Description	Master Controls	Local Controls (plan specific)
1288 0	Stranded marine mammals	Stranded marine mammals pose a risk to potential rescuers through direct physical harm (i.e. struck with tail) and through the transfer of disease. Recently refloated animals can become aggressive and "mouth" people on the rare occasion.	<p>Management Controls: Follow Marine Mammal Incident Readiness and Response SOP and local Operational Plan. Consider taking a Project Jonah marine mammal medic course. Brief all staff and volunteers prior to work starting on animals. Have team leads for specific animals or groups of animals depending on size of stranding that manages safety of volunteers.</p> <p>Minimum Competencies: All staff and volunteers should be briefed about the hazards associated with marine mammals and marine mammal rescue when they 'check in'. Staff should consider a Project Jonah marine mammal medic course. At least one staff member (at a minimum) should be familiar with refloating protocols and information in the SOP and Operational Plan.</p> <p>Work Instructions: Use caution when working around marine mammals. Keep clear of the tail area, being especially mindful not to step over the tail at any time - Whales can roll and crush people - Be especially cautious when refloating in the surf as whales can roll on top of and pin people under the water. Keep away from mouth and teeth. Wash hands before eating or drinking. Avoid touching animals if you have exposed wounds. Avoid contact with blood or other bodily fluids from marine mammals (urine and faeces can pool around animals). Avoid breathing air expelled from animals, keep face clear of blow hole. Supervise children around animals at all times (be aware of faeces in pools of water around animals that kids might play in) - be aware of other hazards associated with marine mammals such as Drowning, Injury caused by manual lifting, use of machinery and hand tools, hypo/hyperthermia and sunburn, emotional trauma, presence of stingrays and sharks etc. If refloated animals show signs of aggression, move back and give them space to re-socialise - try not to rush them. Get advice from more experienced staff in other regions, head office, or Project Jonah if required.</p> <p>PPE: Wear appropriate PPE (including gloves) when handling dead or sick animals. Cover open wounds. If sampling or participating in post mortem, consider if wearing hazmat suites and protective glasses is appropriate.</p>	Only provide assistance where safe to do so and when wearing appropriate PPE.
572	Vehicle use - general	Loose control of vehicle, collision. Driving into water at speed, brake failure. Fatigue, which can also be caused by hay fever. Goods moving inside the vehicle causing injury. Operating in smoke hazard during/at a fire and/or with lights and siren. All could lead to a crash causing injuries/fatalities to driver & other occupants of the vehicle, pedestrians or occupants of another vehicle.	<p>Management Controls: All vehicle drivers must be complete the driver authorisation process outlined in Sections 2.1.1.(DOC staff), 2.1.2 (Volunteers), 2.1.3 (Contractors) and 2.1.4 (Contractors) of Department's Motor Vehicle Use and Safe Driving Policy DOC-2601221.</p> <p>For staff, once their license is verified and the terms of the SOP are accepted in DOCLearn, they have 2 months to complete this process in which they have a provisional approval to drive. If the process is not completed within that period, they are no longer permitted to drive DOC vehicles.</p> <p>Drivers must be briefed/inducted, including handling characteristics, of different vehicles they may be driving (e.g. car, ute, 4WD on-road). they will be driving. Identify and provide specialist driver training needs.</p> <p>Review authorisation to drive after a driver has had an accident, been issued with an infringement notice when driving a DOC vehicle or developed a medical condition which may affect their ability to drive.</p> <p>Monitor & manage work schedules to address driver fatigue, incl those who are susceptible to hay fever. Staff to be briefed on driver fatigue using the Driver Fatigue PowerPoint DOC-2704606 & the ACC Fatigue Calculator DOC-2602171.</p> <p>Where practical, vehicles to be fitted or carry with appropriate comms (fitted or handheld radio, cell-phone) and safety equipment (First Aid kit, reflective vest, torch with spare batteries, emergency triangle).</p> <p>Ensure staff are aware of DOC radio channels of different areas they may be travelling through.</p>	Applies to DOC staff with DOC vehicles attending the event only Check warrant of fitness for being current; road user charges (diesel) up to date, vehicle license current. Check oil, water, and brake fluid levels before use and refill if low. Check tyre pressure and ensure tyre is well inflated (at least 30 psi per tyre). Brief staff on traffic and any issues. Elect a lead for traffic management to oversee helping staff and any issues. Ensure adequate signage is clear and visible. No vehicles to drive over 5km per hour.

Monthly vehicle inspections take place.

Minimum Competencies: Hold a current and appropriate driver's license for the type of vehicle being driven. Have completed the relevant process outlined in the Department's Motor Vehicle Use and Safe Driving Policy unless, in the case of staff, they are within the 2 month provisional period allowed to complete the process.

Recommended Advanced Driver Training (anti skid training) where it may be appropriate.

Those driving under lights and siren are appropriately trained.

Work Instructions: Five minute vehicle safety check completed prior to use.

Drivers must fob on.

Driving factored into safety planning of work. Ensure potential for fatigue (including the effects of any prescribed or over-the-counter medication) is managed by recognising fatigue and observing safe driving hours. Share driving with others where possible.

Drivers must take regular breaks must be taken while driving: a 10-minute break every 2 hours and a 30-minute break every 4 hours. Drivers must not spend more than 11 hours driving in a 24 hour period.

Complete JSA/Toolbox Talk completed where practical.

Drive to traffic & weather conditions (refer to road condition reports if in doubt) and within speed limits. Notify intentions and schedule times as appropriate. Watch out for sun strike when driving.

If the vehicle does not have a fitted radio, consider carrying a handheld if travelling through areas of limited cell phone coverage. Pull over to use radio or cell-phone or use hands-free.

Secure loose gear inside the vehicle or tie down on vehicle deck. Animals not to be transported without Manager approval and not inside vehicles unless contained & secured in a carry box or portable kennel.

No persons to ride on the rear deck of a ute at any time.

Smoke chasers to be emptied of water when not being used for fire fighting purposes.

Fire extinguisher to be carried if the vehicle is carrying flammable goods.

Ensure wheel nuts are tightened using a torque wrench (e.g. at local garage) as soon as possible after changing a tyre.

Be aware of 'summer ice' on roads - rain on recent dry road mixed with grime creates slippery conditions

PPE: Seat belt

From: David Hunt
Sent: Monday, 19 July 2021 4:12 pm
To: Dave Smith
Subject: Update for Jack for Mon 19 July

Key points

- TAG met this morning, and the international experts advised the best option is to find the pod it came from. Current approach is to relocate the calf, weather and health dependant. There are still risks with the other scenarios currently under discussion
- The minister visited the site and spoke with DOC staff in the IMT
- A decision not to move the orca calf back to the sea pen was made in the afternoon.

Mon 19 July from Sit Rip

- Sea pen restored and reinforced
- Planning for Orca calf to be transported from pool to the sea pen
- Preparation for transport of orc 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

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

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[REDACTED]

From: [REDACTED]
Sent: Tuesday, 20 July 2021 12:37 pm
To: Jack Mace; Sarah Owen; Bronwyn Saunders; Kirstie Knowles; Elizabeth Heeg
Subject: RE: Mgmt structure photo for addition to notes - orca response
Attachments: Draft notes from meeting.docx

Here are the DRAFT notes

From: Jack Mace <jmace@doc.govt.nz>
Sent: Tuesday, 20 July 2021 12:01 pm
To: [REDACTED]; Sarah Owen <sarahowen@doc.govt.nz>; Bronwyn Saunders <bsaunders@doc.govt.nz>; Kirstie Knowles <kknowles@doc.govt.nz>; Elizabeth Heeg <eheeg@doc.govt.nz>
Subject: Mgmt structure photo for addition to notes - orca response

Sent from Workspace ONE Boxer

Draft notes from meeting: Establish Decision Making and Advice Lines around orca response meeting 20/7 10.30am

Present: Jack Mace, Elizabeth Hegg, Kirstie Knowles, Bronwyn Saunders, Sarah Owen, [REDACTED] [REDACTED] (notes)

Purpose: Need to reframe the incident response to assist with decision making and operational planning

Context: On site team have emotional attachment to animal and are getting tired. Need to move decision making away from site. There are a lot of opinions and experts on site with varying advice – this needs to be coordinated and fed to DOC for decisions.

DOC need to be able to take on board a wide range of information and make decisions based on technical, science, ethical and legal advice.

Roles – Strategic Leadership Team

Jack Mace – SPA, lead, decision maker. Below team feeds directly to Jack

Elizabeth Hegg – Technical Advice lead, taking in TAG and legal

Bronwyn Saunders – Media, comms and information : management of the public face of the information including external comms plan and internal comms and forward planning of public perception, on site media and MOC updates. Getting people prepared for scenarios. Manages the flow of information and how this works.

Sarah Owen – ‘Chief of staff’ for Jack - provides oversight, support , risk analysis and prompts for SPA. Ensure Jack has the information needed for decisions. Ensure decisions are logged, decisions are planned for days in advance and stocktake the decisions that need to be made.

Kirsty Prior – Incident controller on site. Manages the site including review of protocols and implementation of them, animal welfare, relocation [REDACTED] Security, Liaison (Ian) and iwi

Other roles (not reporting to SPA)

Ian Angus – stakeholder management on site, provides recommendations to Elizabeth.

[REDACTED] - logistics planning for relocation

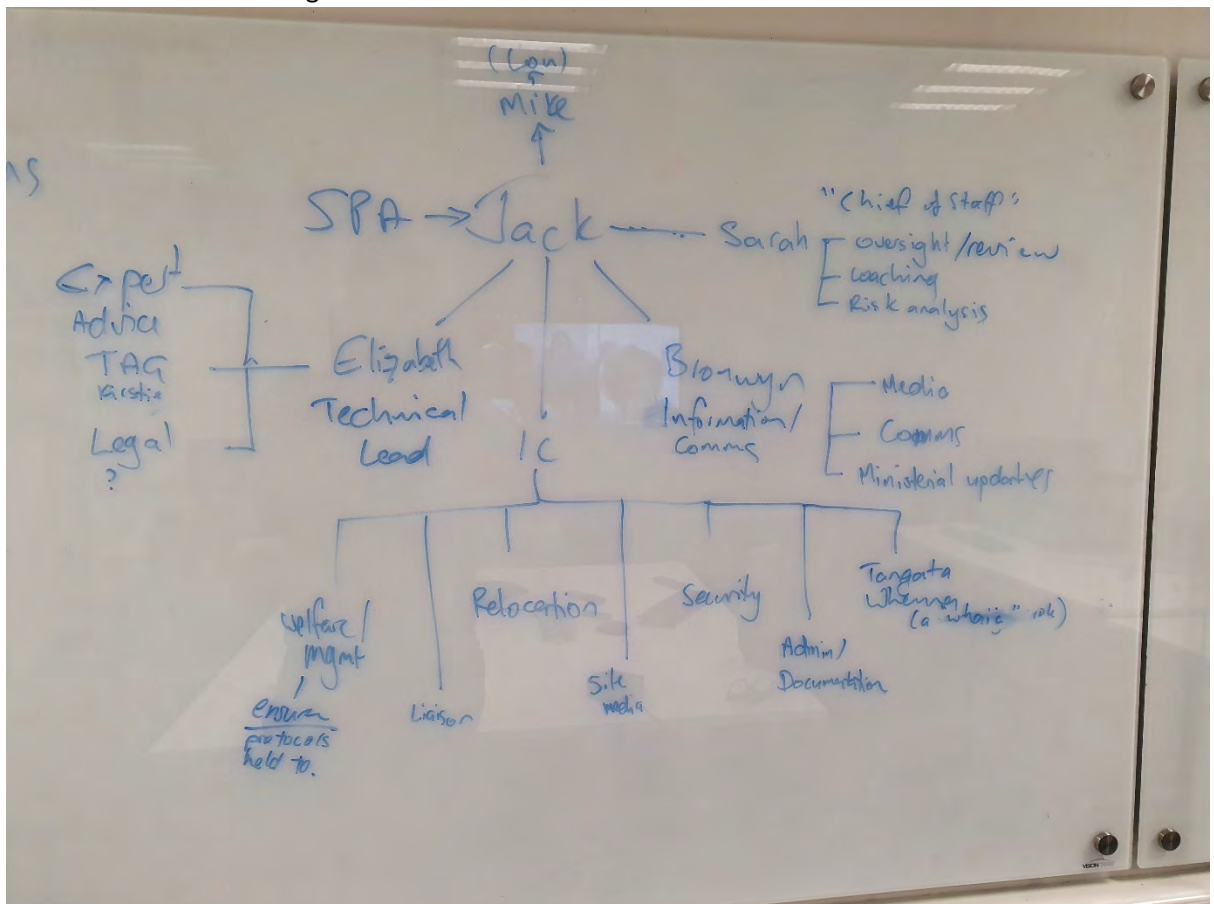
Task – due Friday 25/7

Strategic Leadership Team to provide SPA with decision making framework and advice based on scenarios including options for all ‘what if ’planning and logistics and success / fail options. EH to include technical, ethics and legal risks. BS to include public perception risk and planning. IC to include relocation and stakeholder options.

Other actions

- Request legal advice on tap as part of Tech Advise Team - Elizabeth
- Get EA support for Jack – Sarah
- Get independent science expert – Kirsty for Bronwyn
- Iwi liaison – who?
- Ensure comms are looped into all meetings
- Insert vet into media voice
- EH to share tech advice table with BS
- 5pm “Jacks Team” meeting daily with vet report
- Resolution agreed by end of week (25/7)
- Agree onwards media spokesperson (SPA to lead on explaining decision making / complexity of project)

Whiteboard from meeting



[REDACTED]

From: David Hunt
Sent: Tuesday, 20 July 2021 5:58 pm
To: Dave Smith; [REDACTED]; Michael McCarthy; [REDACTED]; [REDACTED]; Ian Angus; [REDACTED]
[REDACTED]@wwf.org.nz
Cc: Angus Hulme-Moir; Jack Mace
Subject: IAP 5 Plimmerton Orca Recovery 20 July 2021 - DOC-6723483 DH-IMT
Attachments: IAP 5 Plimmerton Orca Recovery 20 July 2021 - DOC-6723483.docx

Hi everyone

IAP for Wed 21 July

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

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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])

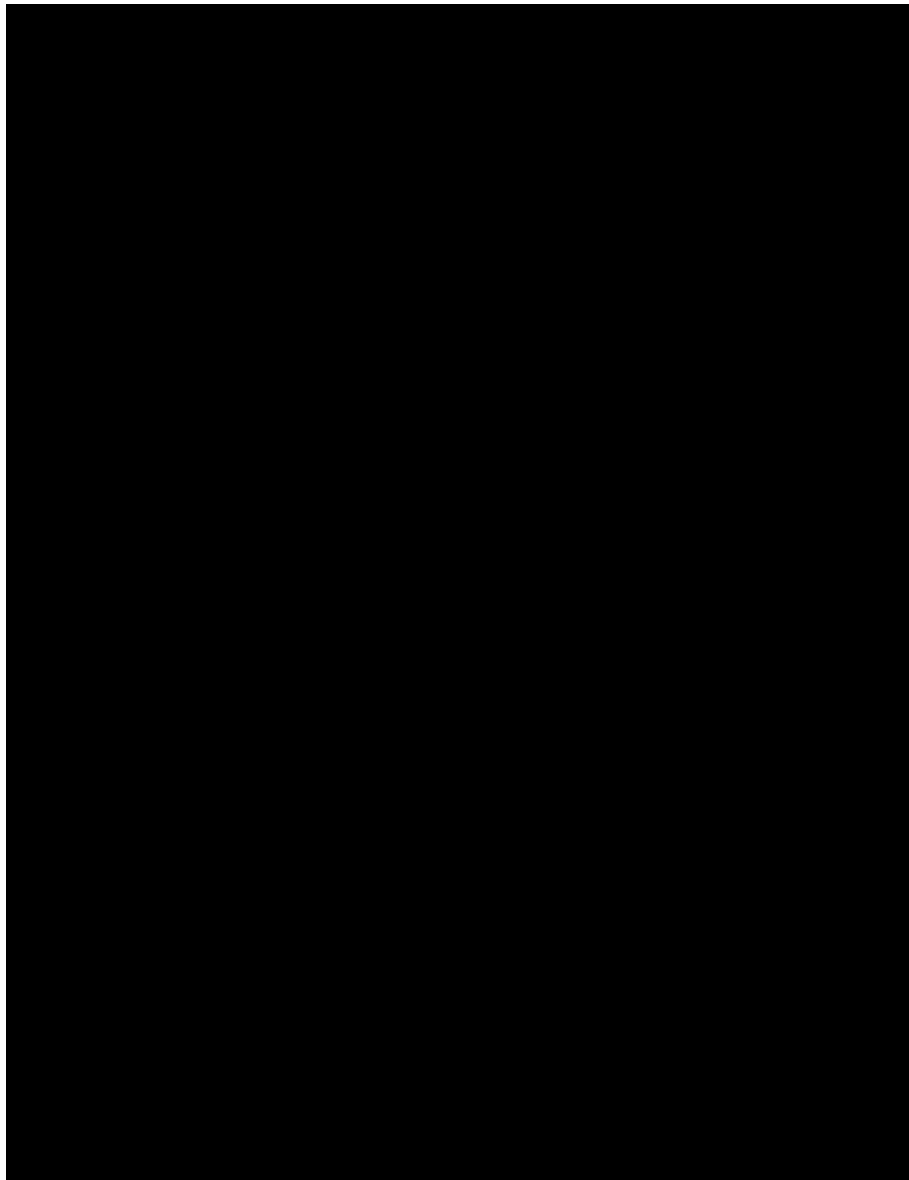
Prepared by: Ian Angus	Date: 20 July	Time: 1600
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Wed 21 July
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Incident Objectives

RF202

4. Objectives for specified Operational Period Purpose: To achieve the best practical outcome for “Toa” the orca calf Objectives: <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	██████████	
Shadow IC	██████████	██████████	
Information Officer	██████████	██████████	
Safety Officer	██████████	██████████	
	Michael McCarthy (Support)	██████████	
	██████████	██████████	
Liaison Officer	Angus Holme-Moir	██████████	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi ██████████	██████████	
	Back up ██████████	██████████	
	██████████		
Agency	FENZ ██████████	██████████	
	██████████	██████████	
Agency	WWF ██████████	██████████	
Agency	Orca Research Trust	0800SEEORCA	
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	██████████	██████████	
Facilities Unit	██████████	██████████	
Plimmerton Boating Club	██████████		
	██████████		

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	██████████	██████████	
Deputy Operations Manager	██████████ (DOC) night watch	██████████	
Pump Staff (day)	██████████ ██████████	██████████ ██████████	
Pump staff (night)	██████████ ██████████	██████████ 0 ██████████	
Sector A Supervisor	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	██████████	██████████	
Sector C Supervisor	██████████	██████████	
Prepared by: ██████████		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	[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: 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	██████████ (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 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
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3. Personnel and Communications				
Position	Name	Affiliation	Phone	Radio Chan
Sector Supervisor	██████████	DOC	██████████	

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

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, ██████████
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 ██████████

8. Prepared By: ██████████	Date/Time Mon 20 July 1200
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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 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>		<u><i>Travel Time</i></u> <i>Road</i>		<i>Air</i>	<i>Burn Unit</i>	<i>Heli 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 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

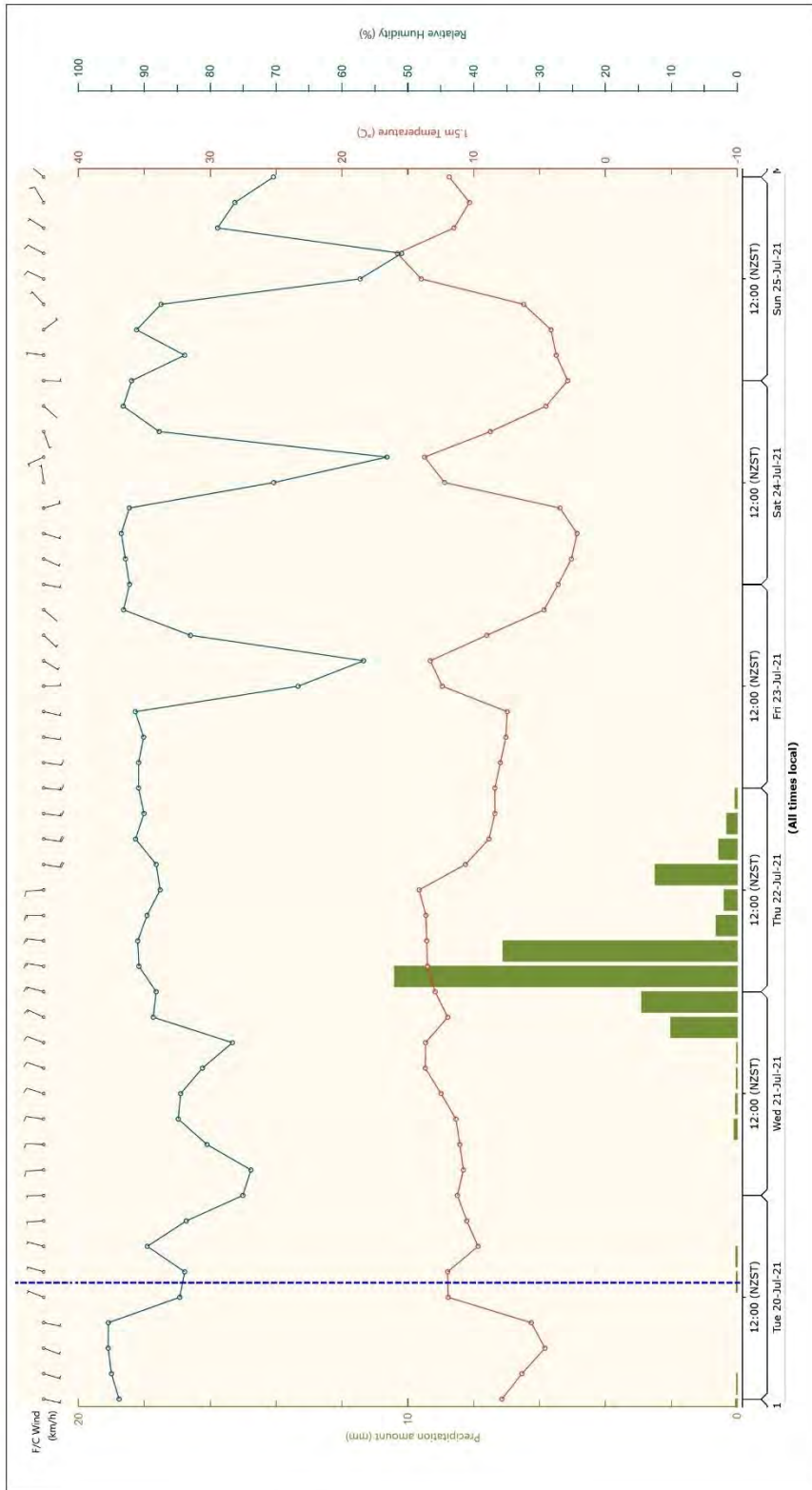
Rain: Dry conditions possible.

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



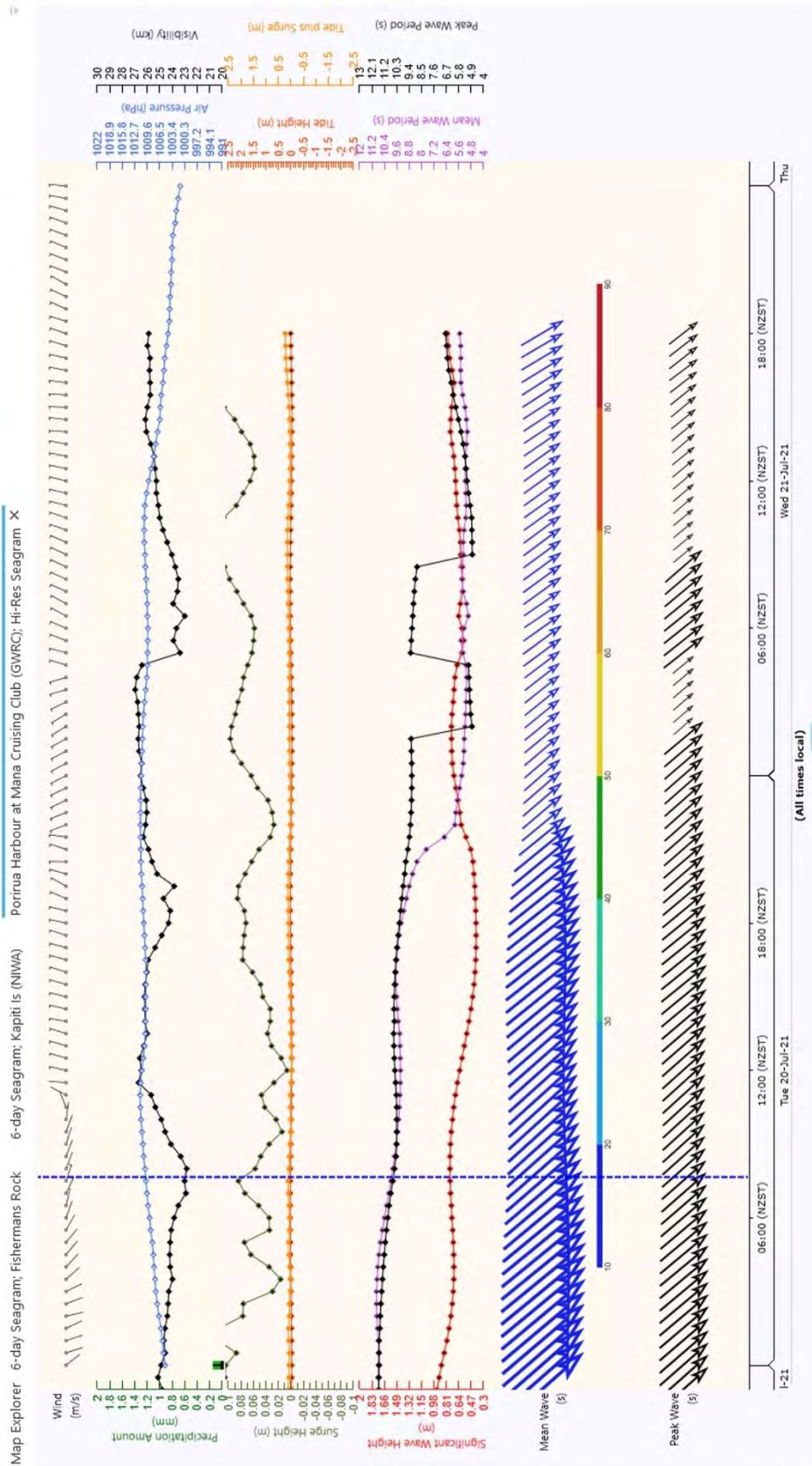
Mana / Porirua Harbour Tides Timetable

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

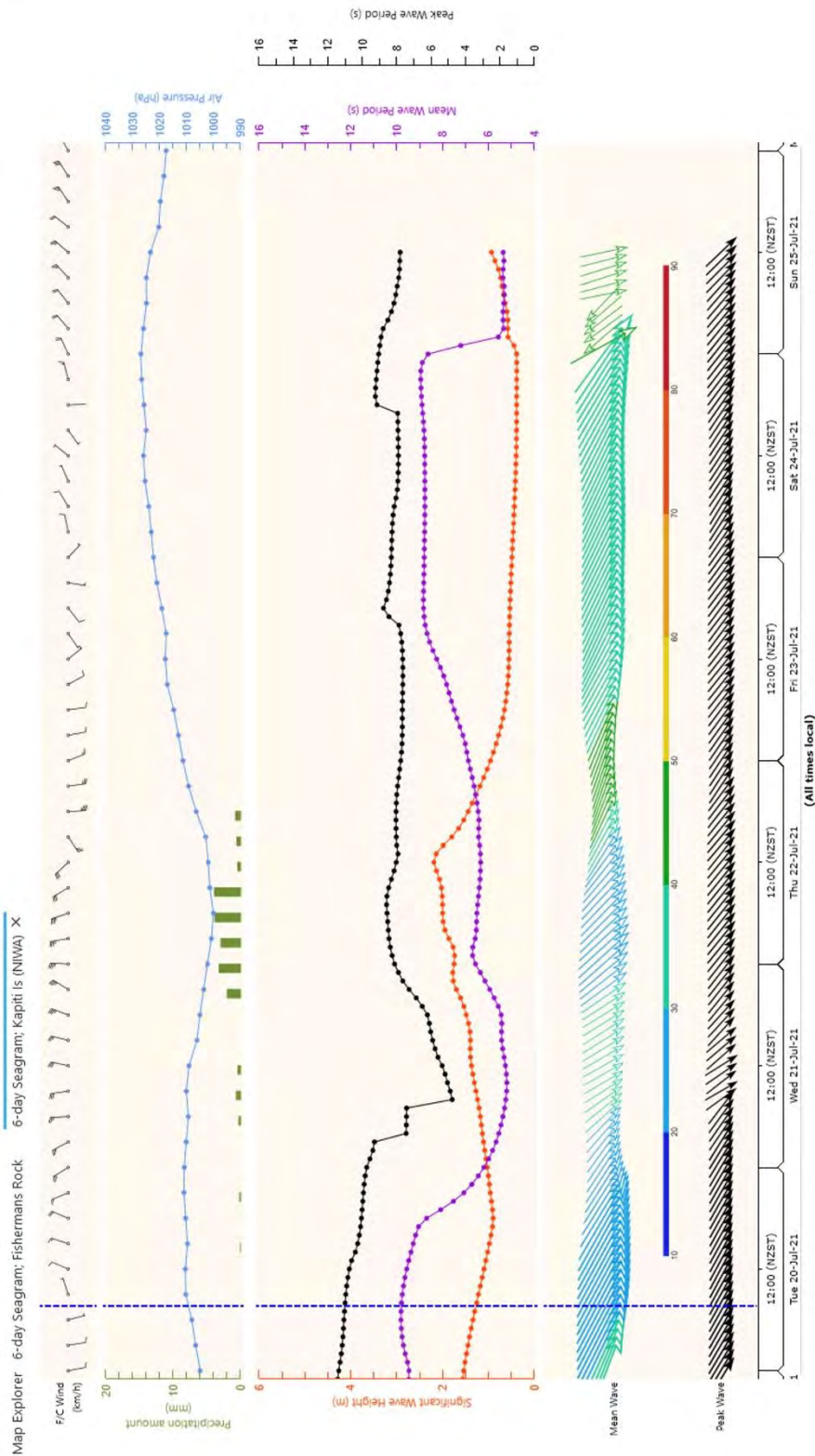


1. Incident Name
**Plimmerton Orca
 Recovery**

2. Operational Period – 0800 - 1800 Wed 21 July

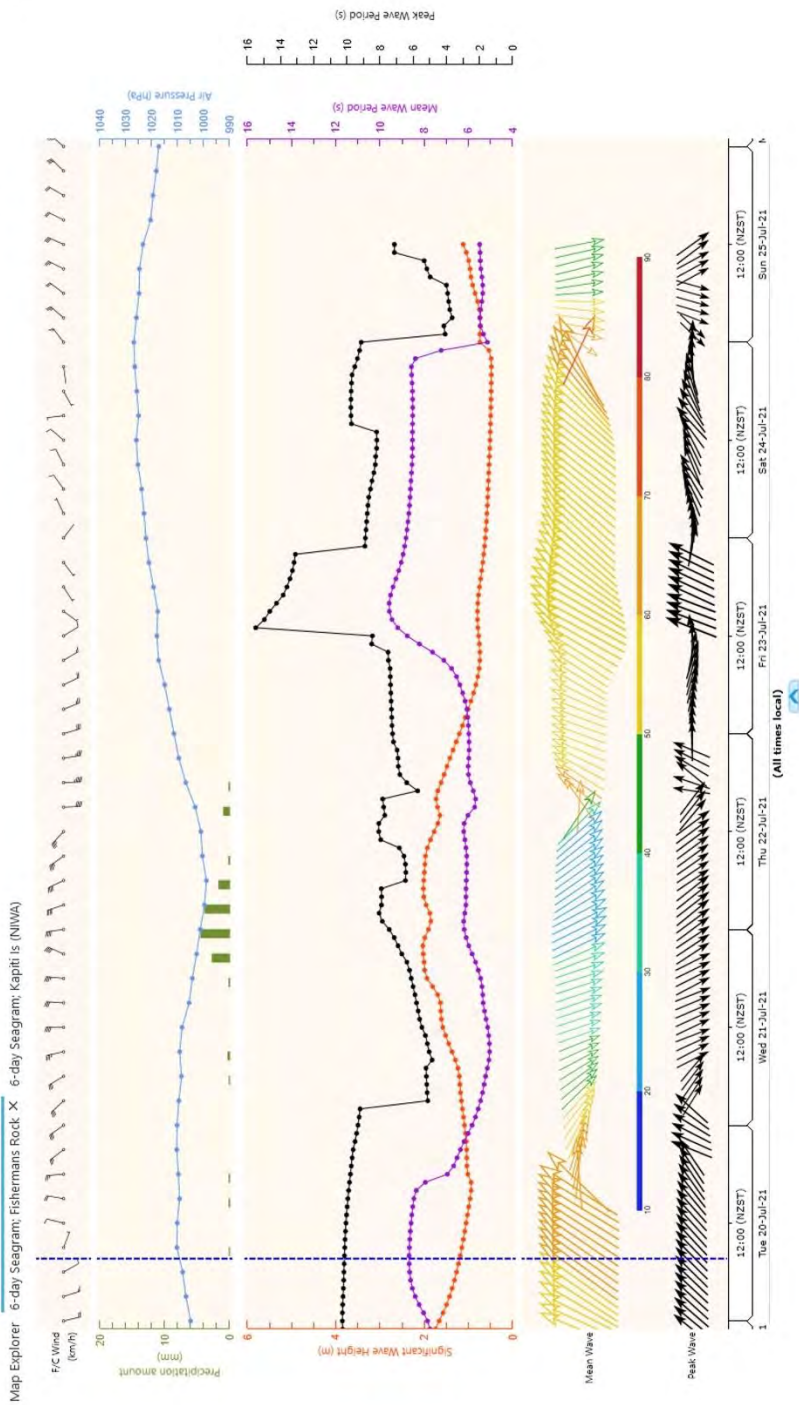
Seagrams

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
 RecoveryRecovery

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)

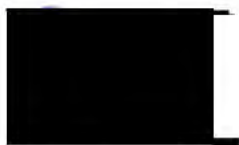
Incident escalation:

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

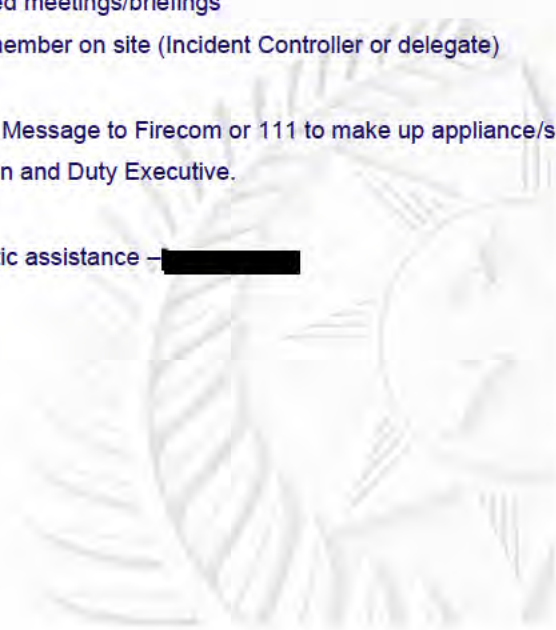
Rosters:

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:		
	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										

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Wed 21 July
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14) Managing visitors, volunteers and NGO's		Work in pairs, avoid confrontation, discretion	
Operations Manager: ██████████	Safety: Brent Swanson	Date / Time: 18 July 2020	

[REDACTED]

From: Jack Mace
Sent: Tuesday, 20 July 2021 1:58 pm
To: [REDACTED] Brent Swanson
Subject: RE: Operation Orca Mana Observations

Follow Up Flag: Follow up
Flag Status: Flagged

Thanks [REDACTED] - I have asked for a review tomorrow that can be implemented by incoming IC, would aim to this promptly in the morning alongside the handover. You should feed in to this

Jack

Sent from Workspace ONE Boxer

On 20/07/2021 1:55 pm, [REDACTED] wrote:

Thanks Brent, I agree with all of those points. We are very light on the ground here and need to bring some order to this situation.

From: Brent Swanson <bswanson@doc.govt.nz>

Sent: Tuesday, 20 July 2021 1:37 pm

To: [REDACTED] Jack Mace [REDACTED]

Subject: FW: Operation Orca Mana Observations

Hi

I spoke at length with Jack at length last night and these are the main suggestions I made and tried to get implemented during my time there

Swanny

From: Brent Swanson

Sent: Tuesday, 20 July 2021 1:35 p.m.

To: Jack Mace <jmace@doc.govt.nz>

Cc: Sarah Owen <sarahowen@doc.govt.nz>

Subject: Operation Orca Mana Observations

Hi Jack

I thought I'd chuck this out now while it's fresh in my brain. These are the majority of the suggestions that I made while I was there.

Incident Controller

They need to take a more overview and stand back from the weeds, the following structural changes will allow them to manage the incident while allowing for staff to complete their tasks

The safety advisor and Iwi liaison and media liaison/Comms and Security Advisor would report directly to the IC

Planning Intel

- Needs a leader who can manage and oversee the preparation of plans, document decisions etc

- The Marine Bio team should be a sub group of this working on the options and plans for the Orca. Operations should be liaising around the how To process
- All information should be filtered through Intel and the dispersed to the other working groups.
- A small team should be working with [REDACTED] on the tracking and include a search specialist to track the potential Pods (The airforce should have been considered as a legitimate resource here)

This team could easily be working off site

Operations

- Should be the main team insite. An Ops manager assisted by the a team including a marine advisor who liaises with the NGO's and Ingrid.
- This team of minimum of four would manage the site, security.
- They would prepare and initiate any plans and include a boat specialist and the shooter.
- An onsite radio log keeper to ensure all activities are being captured

Logistics/Resources

- Needs a team lead and at one staff member on site.
- A roster and staffing plan should be high on the priority including a night shift

General

- I would suggest the main team meet twice a day , 8.00am and 4.00pm
- The individual sectors would meet as a team at least twice a day separately
- The IC , his direct reports, Ops manager , Logistics and planning lead meet separately twice a day.
- The Director (You would meet attend one if the main meetings once a day

Health safety

We were relying on Fenz to manage the site with a hazards board and reporting process , We assisted the NGO's to prepare a Health and safety plan for the Volunteers. With the departure of Fenz we should have pre planned for this (My failure)

The first 24 hours of any incident is reactionary , and then it moves into a planned phase , we are still in a reactionary pahase in large part for this operation.

Swanny

[REDACTED]

From: Dave Smith
Sent: Tuesday, 20 July 2021 6:37 pm
To: Jack Mace; David Hunt
Subject: Update for Jack - 20 July DH-JM

Hi Jack

One more I forgot - we have agreement in principle on the swimmers in the water need and safety, still need to turn it into documented version. ([REDACTED] leading discussion for us, with Ingrid)

Regards
Dave

Sent from Workspace ONE Boxer

On 20/07/2021 5:53 pm, David Hunt <dhunt@doc.govt.nz> wrote:

Hi Jack

Relationships remain sound on site.

Activities from the day

Tue 20 July

- 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

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

[REDACTED] | E-Mail: dhunt@doc.govt.nz

**Kia piki te oranga o te ao tūroa, i roto i te ngātahitanga, ki Aotearoa.
To work with others to increase the value of conservation for New Zealanders.**

www.doc.govt.nz

[REDACTED]

From: David Hunt
Sent: Wednesday, 21 July 2021 5:23 pm
To: Dave Smith; [REDACTED] Michael McCarthy; [REDACTED]
[REDACTED]; Ian Angus; [REDACTED] @wwf.org.nz;
Media; Kirsty Prior; [REDACTED]
Cc: Angus Hulme-Moir; Jack Mace
Subject: IAP 6 Plimmerton Orca Recovery 22 July 2021 - DOC-6723483 DH-IMT
Attachments: IAP 6 Plimmerton Orca Recovery 22 July 2021 - DOC-6723483.docx

Hi everyone

IAP for tomorrow Thu 22nd July

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

E-Mail: dhunt@doc.govt.nz

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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. 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 –
 - 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])

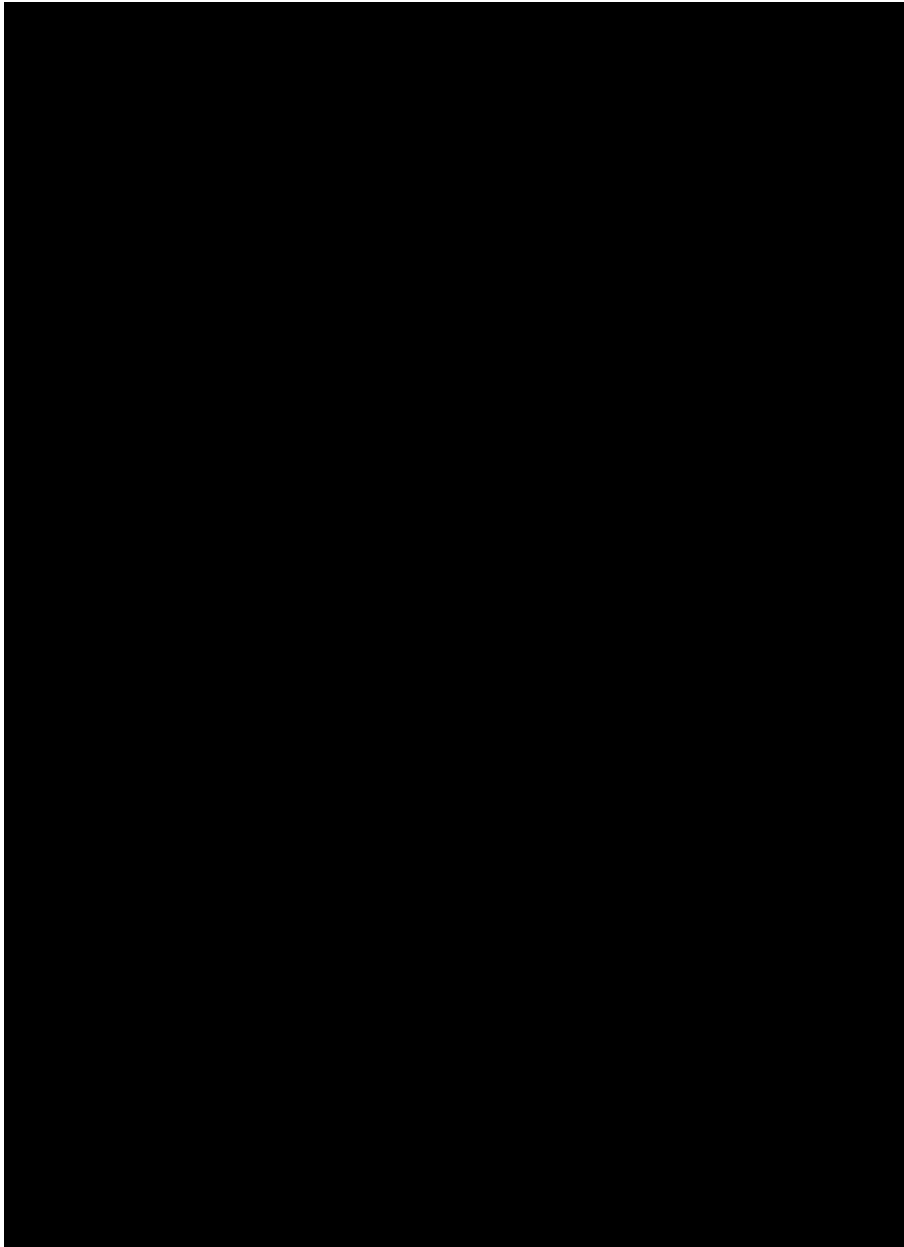
Prepared by: Ian Angus	Date: 21 July	Time: 1600
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1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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Incident Objectives

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 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 - 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] Michael McCarthy (Support) Bridget Kibble	[REDACTED] [REDACTED] [REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED] Back up [REDACTED] [REDACTED]	[REDACTED] [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 Plimmerton Boating Club	[REDACTED] [REDACTED]	[REDACTED] [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	██████████	██████████	
Deputy Operations Manager	██████████ (DOC) night watch	██████████	
Pump Staff (day)	██████████ ██████████	██████████ ██████████	
Pump staff (night)	██████████ ██████████	██████████ ██████████	
Sector A Supervisor	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	██████████	██████████	
Spotting management	██████████	██████████	
Reunification planning	██████████	██████████	
Prepared by: ██████████	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					
<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 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: 			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	[REDACTED]	027 203 4852																					
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>[REDACTED] (DOC)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Reunification Plan</td> <td>[REDACTED]</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	[REDACTED] (DOC)					Reunification Plan	[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>																		
Spotting management	[REDACTED] (DOC)																						
Reunification Plan	[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 on standby for possible Orca transportation 																							
Prepared by: [REDACTED]			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	Mike Ogle	DOC	0272025006	

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

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

6. Safety Notes / Hazards / Radio Coverage Limitations

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
 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

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>Road</i> <i>Air</i>		<i>Burn Unit</i>	<i>Heli 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 RecoveryRecovery	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

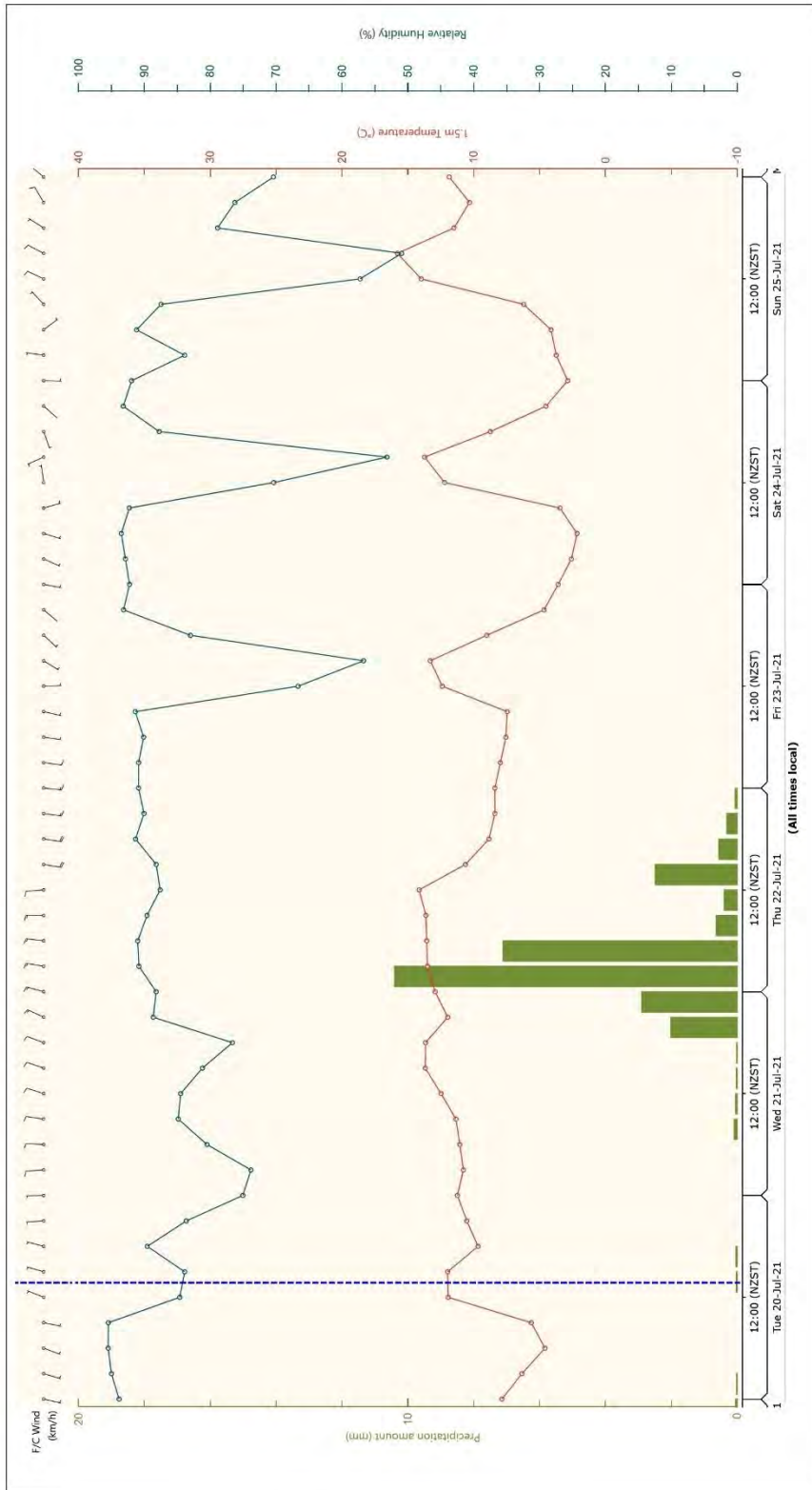
Rain: Dry conditions possible.

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



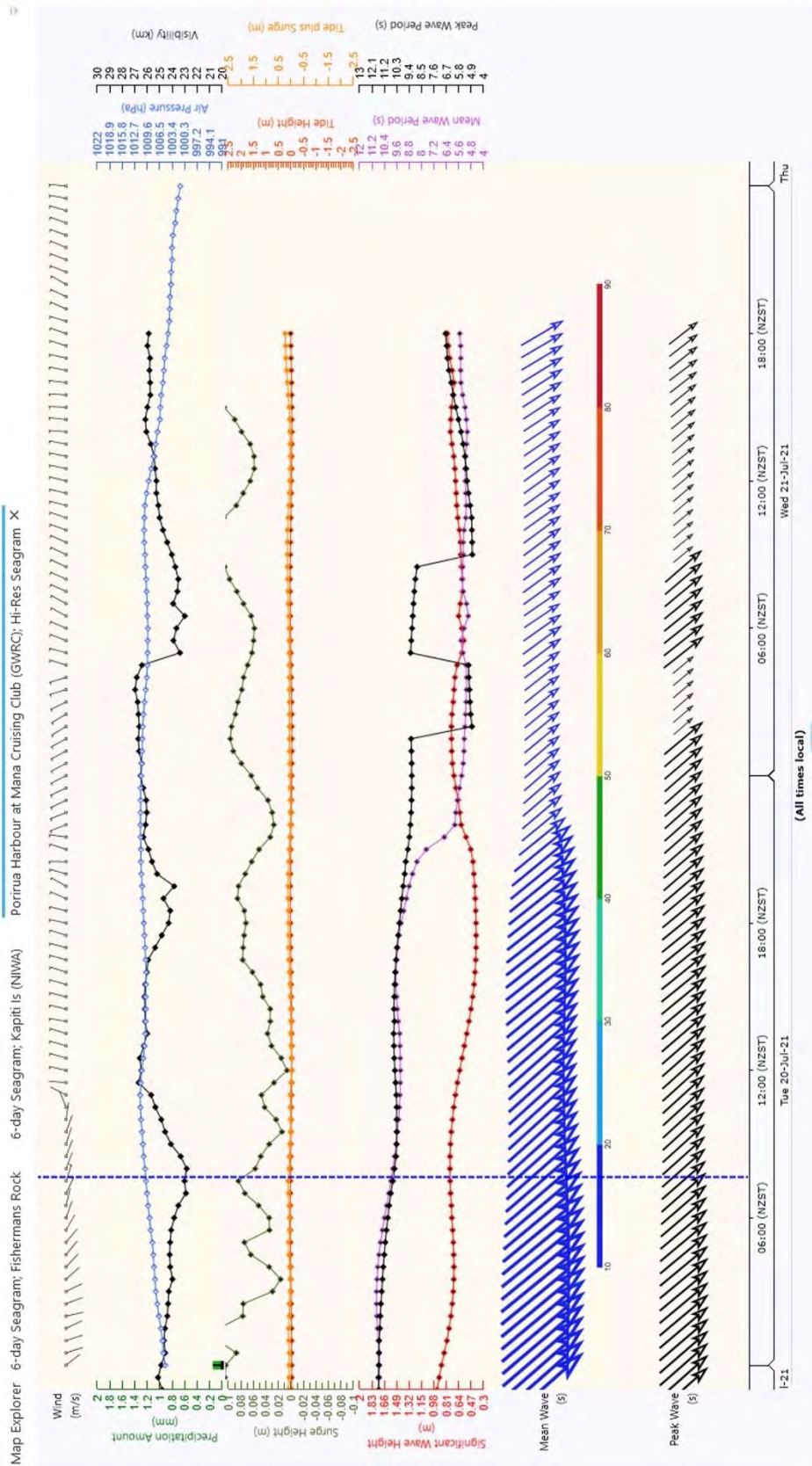
Mana / Porirua Harbour Tides Timetable

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

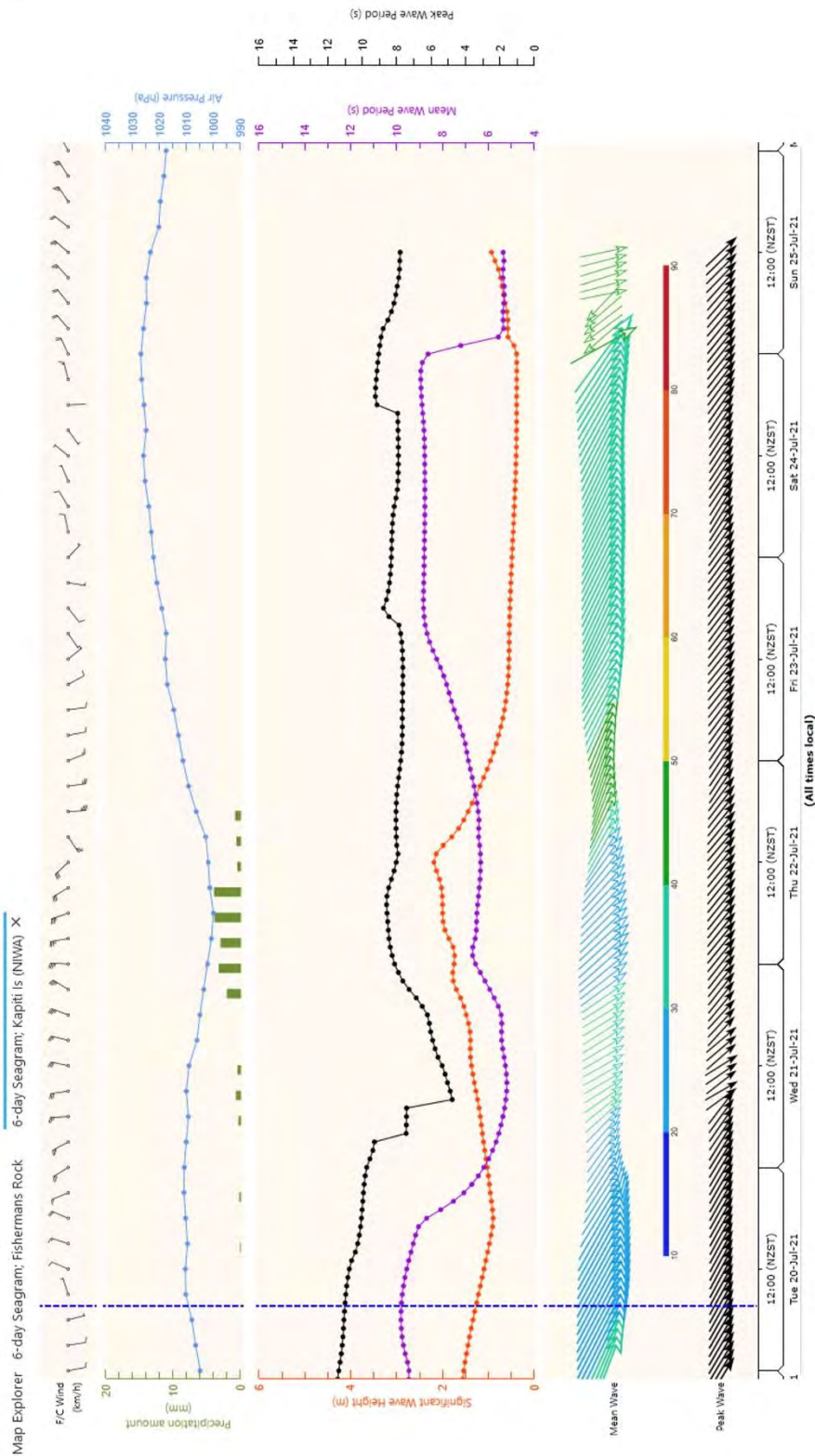


1. Incident Name
Plimmerton Orca
RecoveryRecovery

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

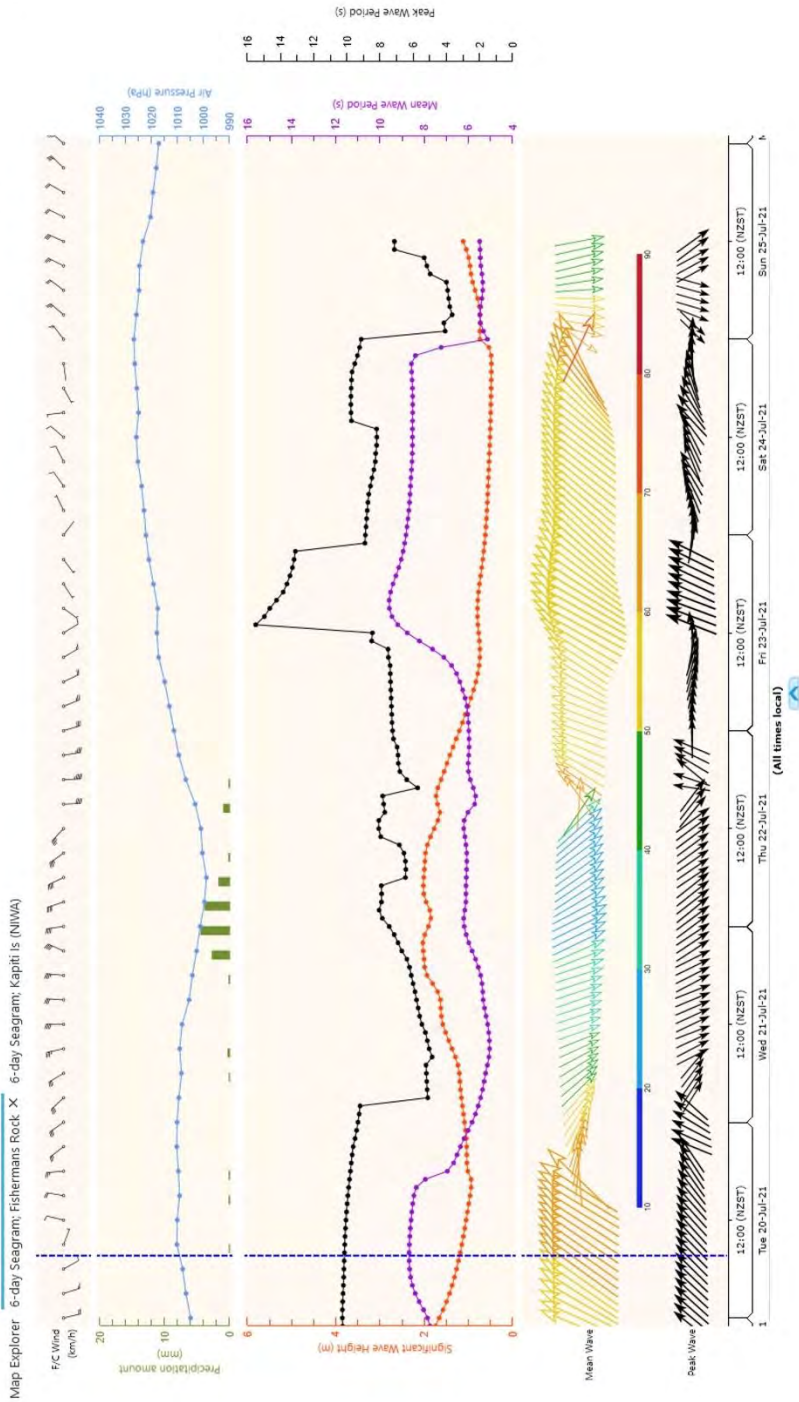
Seagrams

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 Recovery	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 appliance/s

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

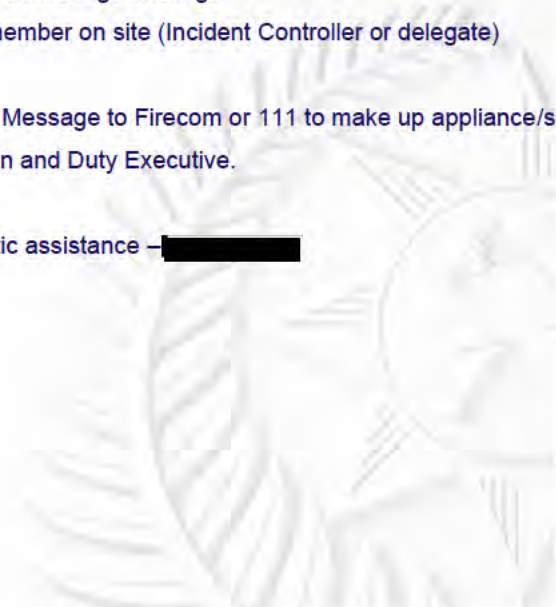
Rosters:

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:				
	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												

1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Thu 22 21 July 2021
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14) Managing visitors, volunteers and NGO's	<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>															Work in pairs, avoid confrontation, discretion	
Operations Manager: XXXXXXXXXX	Safety: Brent Swanson	Date / Time: 18 July 2020															



From: Dave Smith
Sent: Wednesday, 21 July 2021 10:21 pm
To: Kirsty Prior
Cc: Jack Mace; David Hunt
Subject: Plimmerton orca handover notes - DS - 21 July 2021
Attachments: Plimmerton orca handover notes - DS - 21 July 2021.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Kirsty

Some handover notes.
(Dave these could be linked in the IAP tomorrow?)

Free to contact me 24/7 for anything more.

Regards
Dave

Handover notes

IC Dave Smith, 10pm 21 July

Incident: Plimmerton Orca Calf (July 2021)

Core factual information about the incident is available in the series of IAPs to date and not repeated here. I have been incident controller since the morning of Thursday 15 July, taking over from Jack Mace.

The last seven days have had many challenges and unexpected events. It has been hard to get a solid footing for considered longer term planning while at the time weathering storms or getting ready for any immediate natal pod re-unification. Space today – with little chance of a re-unification and a structure refresh – has corrected this. Hopefully logistics planning and site procedures are better set to go forward from today.

Incident objectives

- The first two objectives have remained consistent over the event – maintain human health and safety; and maintain orca welfare.
- The third objective – scenario planning – could be eliminated. It was transferred to a new location in the revised structure as of today.

IMT structure

Initial structure was reviewed over yesterday and today

- incident control based out of the Plimmerton Boating Club has managed the situation to date, however the incident has grown in a number of ways as scenario planning, public interest and complex ethical/legal/social considerations have deepened.
- This has outgrown the traditional operational-logistic focus of a traditional low-medium level CIMS structure
- It is now appropriate to subsume the operation component into a higher level structure based offsite
- Within the site, the re-unification / boating planning has become more of a focus, while the situation on the boat club site has stabilised. It is now appropriate to split the operations role into two sectors – offsite (re-unification, boat, air searches) and onsite (pool, sea-pen , pumping etc at the boat club)

CIMS style

- style to date has had some unexpected elements, primarily in the interests of maintaining the good relationships and emotions amongst many parties on site. Many of these parties are not used to, and may not be comfortable with the line-based, command/control style more familiar to government agencies
- The style to date has been open and inclusive of all parties on site.
- A number of entities without formal roles have been welcomed to IMT meetings and invited to contribute.
- Decisions are tested and socialised with the on-site community rather than issued
- Symbols like bibs, closed meetings or huddles, 'instructive' communication have been minimised or eliminated
- Flow of information and thinking has been deliberately transparent, open and in good faith

CIMS functioning

- Been good to have largely 'soft hands' personalities to date
- IMT transitions have worked particularly well, with staggered changes over several days and typically 4-8 hour handover periods

Resourcing

- As often happens we have played catch-up on staff numbers on site, attempting to bring in staff after the demand has risen.
- Expectations of a high level of documentation, internal comms, tracking, assurance etc have been difficult to meet, and we may not have been aggressive enough in getting staff resources on site. Risk in continually thinking the resource demand has peaked.

Authorities

- Regional director has asked to be contacted before opex reaches \$50k. Expenditure to date is around \$30k – includes an estimate of unknown minor costs yet to be recorded
- If a serious and terminal health decline occurs and death is imminent, as determined by the on-site vets, please contact the Director. If the Director is uncontactable you have the authority to arrange euthanasia
- Get authority from the director prior to any reunification attempt

Forward risks

- Maintaining relationships – have been good to date amongst NGO entities that DOC has a variable history with. Recommend maintain high personal connection to key entities on site (iwi, Orca Trust, Plimmerton BC, Huha, FENZ etc), checking health of relationship
- need to ensure local re-unification planning maintains strong connection to scenario planning elsewhere in the new structure e.g. advance planning or not planning logistics for scenarios that may have come or off the table
- recommend an onsite media/comms role is retained in the local structure and not pulled back into the new larger structure. Key information for messaging is better absorbed on site, and there is a need to start getting better messaging amongst the community on site (e.g. posting news in volunteer base) rather than have the onsite community interpret media, external expert comments, and social media 'news'.
- First signs today of elevated interest, at the security gate, on social media, and in messaging to the onsite community, from pro- and anti- euthanasia views. Need to be ready to transition to a more secure controlled environment at the site.
- Volunteer management and behaviour around orca. This had had light involvement to date from DOC and high trust in the on-site community. The 'rules' or guidelines around numbers and behaviour in and around the pool have been challenged and it is unclear how they were derived, and whether they are rigid or flexible. Formal veterinary and behaviourist advice due tomorrow should allow this to get onto a better footing.

I am available 24/7 over the coming days for any further handover advice or information.

All yours ...

From: David Hunt
Sent: Wednesday, 21 July 2021 5:15 pm
To: Jack Mace
Cc: Dave Smith; Kirsty Prior
Subject: Plimmerton Orca Update for Jack 21 July 2021 DH-JM

Hi Jack

Relationships good

Wed 21 July

- 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
- OPEX is at least \$30,000

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

| E-Mail: dhunt@doc.govt.nz

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From: [REDACTED]
To: [Michael McCarthy](#)
Subject: RE: RE: [EXTERNAL] Query from DOC re stranded orca - Plimmerton Beach
Date: Wednesday, 21 July 2021 4:00:00 pm
Attachments: [REDACTED]

Hi Mike,

Thanks for that, beaut photos ta.

Here's a list of spec to confirm (I've prefilled in red the bits I've heard already, but if these can be checked that would be great):

Item	Spec
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.	1.5 hrs
Can dock at Plimmerton Boat Club to transfer Toa.	Yes/no?
Can dock at Mana Marina to transfer Toa.	Yes/no?
Have enough life jackets for crew and orca handlers? (or we need to bring more?)	

Please also state skippers qualifications and provide copy of Certificate of Survey.

Cheers,

[REDACTED]

From: Michael McCarthy <mmccarthy@doc.govt.nz>
Sent: Wednesday, 21 July 2021 11:49 am
To: [REDACTED]
Subject: Fwd: RE: [EXTERNAL] Query from DOC re stranded orca - Plimmerton Beach

Hi Mike

Initial photos and brief info re the Lady Liz Police launch. There are some specs on the maritime unit website for the vessel itself.

Once you have had a gander, please let me know of specific information required to complete the boat planning.

Cheers Mike M

Sent from Workspace ONE Boxer

----- Forwarded message -----

From: [REDACTED] <[REDACTED]@police.govt.nz>

Date: 21/07/2021 10:56 am

Subject: RE: [EXTERNAL] Query from DOC re stranded orca - Plimmerton Beach

To: Michael McCarthy <mmccarthy@doc.govt.nz>

Cc:

Kia ora Mike

Apologies, I can see that I hadn't replied to this email from Monday night. A few photos attached showing the aft deck. The tender cradle shown with the inflatable boat lowers into the water enough to launch and recover. As mentioned on the phone, we could load 300kg without any problem but it would have to be a distributed load as the deck is only 3mm thick and will bend with heavy enough point loads.

Ka kite

[REDACTED]

[REDACTED]
Wellington Maritime/SAR/Airport

[REDACTED]
E [REDACTED] <[\[REDACTED\]@police.govt.nz](mailto:[REDACTED]@police.govt.nz)>



From: Michael McCarthy <mmccarthy@doc.govt.nz>

Sent: Monday, 19 July 2021 9:03 PM

To: [REDACTED] <[\[REDACTED\]@police.govt.nz](mailto:[REDACTED]@police.govt.nz)>; [REDACTED]
[REDACTED] <[\[REDACTED\]@police.govt.nz](mailto:[REDACTED]@police.govt.nz)>

Subject: [EXTERNAL] Query from DOC re stranded orca - Plimmerton Beach

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening [REDACTED]

I hope this finds you well.

I am currently working as part of the DOC team considering options with regard to the stranded orca at Plimmerton Beach (Plimmerton Boating Club).

I had a discussion earlier this evening with [REDACTED] (thanks for your approach and the catch up) canvassing the possibility of the assistance of the Police Maritime Unit to transport the orca should that be an option (ideally to its own/another pod or potentially set 'free').

I'm sending this as a brief follow up from our discussion and so that you have my contact details.

I understand that significant more detail and planning would be required, and that approval would then be sought post that information. My initial query essentially related to the feasibility.

I should know more early-mid morning tomorrow once the experts have considered the options available to them. I understand at the moment that the animal remains in good health so many options are still 'on the table'. I will follow up tomorrow post the morning briefing/expert's report.

Best wishes

Mike

Mike McCarthy

Senior Security System Advisor
Department of Conservation | Te Papa Atawhai



Conservation House Wellington | Whare Kaupapa Atawhai
18 Manners St | PO Box 10 420, Wellington 6143



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=====

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Also note, the views expressed in this message may not necessarily reflect those of the New Zealand Police. If you have received this message in error, please email or telephone the sender immediately

From: Jack Mace
Sent: Wednesday, 21 July 2021 7:54 am
To: Sarah Owen
Subject: some structure

Follow Up Flag: Follow up
Flag Status: Flagged

Thanks Sarah. Really helpful. I've spoken to Kirsty P this morning. Will do a walk around with her and Dave S this AM and talk through this, then task it through to Kirsty and Dave H via email afterwards.

Cheets
Jack

Sent from Workspace ONE Boxer

On 20/07/2021 7:24 pm, Sarah Owen <sarahowen@doc.govt.nz> wrote:

Kia ora Jack

In the IAP they have this section – I have updated for what the objectives are on site

4. Objectives for specified Operational Period

Purpose: To achieve the best practical outcome for the orca calf

Objectives:

1. Maintain human life and safety – workers, volunteers and public onsite
2. Maintain animal welfare
3. Provide a draft logistical run sheet (including critical issues) for movement of calf – to sea pen, to marina for pod reintegration, to Wellington for pod reintegration

The IC (you) will set up the following structure (most things should sit under the Operations – but all that work is tasked)

Operations Sector lead – Kirsty Prior reports to you as IC

Support for Ops Sector - Have Dave Hunt as her recorder of all tasks etc, updates etc – can use the IAP for some of these

Operations site management

Health and Safety site

Volunteers site

Logistics site

Technical advice on site

Cultural support on site

Boat sector

– providing the run sheet for moving the calf (Objective 3)

Planning and intel is not based onsite

Comms sector

Strategic Comms – Bronwyn

Comms on site – collates info reports to Bronwyn

Your request to Operations on site

Daily IAP needs to include what the critical issues that need to be solved by you from the site

Site management plan – provided by Operations (includes health and safety)

Logistics planning – who is on site now, who is coming on site (for the roles of the team) – each day can be in IAP (the briefings of each shift change need to be recorded by one to the other then put into IAP)

Draft of run sheet for moving calf – to sea pen, to marina, to Wellington – this will include all resources, travel plan, personnel required, timings and any critical issues that need to be solved

A review – Dave H to collate asap

Feedback from all those that have been onsite on the team

How long were you on the team and what was your role?

Were you from out of the district?

What worked well?

What could be improved? (currently and something to implement in this operation)

What critical issues were unresolved?

What learnings can we take away to improve in the future (more future focused rather than this operation)

Feedback from all those currently on site

What is your role?

Do you reside in the district?

If not are you familiar with the area?

What is working well?

What could be improved?

What current critical issues do you have?

Sarah Owen (she/her)

Director – Integrated Change | People

Department of Conservation | Te Papa Atawhai

Mobile [REDACTED]

Email: sarahowen@doc.govt.nz

Conservation House Wellington | Whare Kaupapa Atawhai

Level 3, 18 - 32 Manners St | PO Box 10 420, Wellington 6143

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From: Sarah Owen
Sent: Wednesday, 21 July 2021 8:08 pm
To: Jack Mace
Subject: whiteboard

Follow Up Flag: Follow up
Flag Status: Flagged

Tuesday 20 July

Convene strategic group – escalated incident level and established EOC at Conservation House
Pulled planning and tech side out for option planning and technical analysis
SLT discussion on appropriate decision maker – decision maker Kevin?

Wednesday 21 July

Initiated handover and structural review of IMT operational arm
Draft options paper prepared and established decision making framework with tangata whenua
Process going forward -

1. Socialise options

Papers with players

Technical – Kirsty, Elizabet plus only small group from each group

(i) Whale rescue

(ii) Ngati Toa

(iii) Wellington Zoo

(iv) IMT

Outcome informed and understanding and feedback on options and timing

2. Tell media about this process and describe timing and ethics complications
3. Talk to Ngati Toa around likely options and timelines
4. Keep/Develop clear documentation around steps and documentation prior to socialisation
5. Boat plan to be worked out and documented – clarity no recapture viable option available

Sarah Owen (she/her)

Director – Integrated Change | People

Department of Conservation | Te Papa Atawhai

Mobile [REDACTED]

Email: sarahowen@doc.govt.nz

Conservation House Wellington | Whare Kaupapa Atawhai

Level 3, 18 - 32 Manners St | PO Box 10 420, Wellington 6143

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From: David Hunt
Sent: Thursday, 22 July 2021 5:41 pm
To: [redacted]; Michael McCarthy; [redacted] Ian Angus; [redacted]; [redacted]; Media; Kirsty Prior; Michael Sparrow; [redacted]; [redacted]@wwf.org.nz
Cc: Angus Hulme-Moir; Jack Mace; Reg Kemper
Subject: IAP 7 Plimmerton Orca Recovery 23 July 2021 - DOC-6723483 DH-IMT
Attachments: IAP 7 Plimmerton Orca Recovery 23 July 2021 - DOC-6723483.docx

Good evening

IAP for tomorrow Friday 23 July

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

| E-Mail: dhunt@doc.govt.nz

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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. 		

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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

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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.

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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.

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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]) 		
Prepared by: Ian Angus	Date: 22 July	Time: 1600

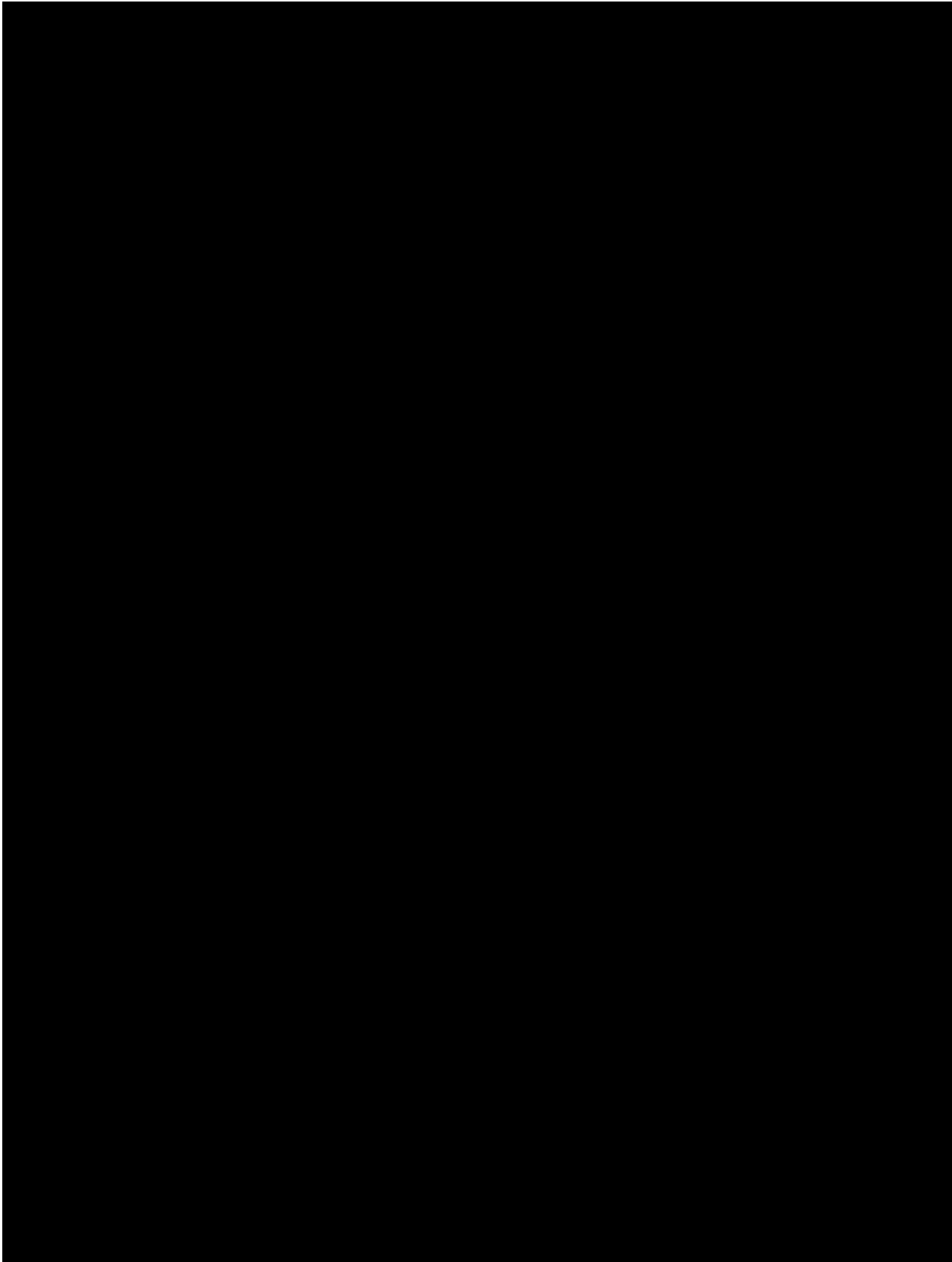
Incident Objectives

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 RecoveryRecovery	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)-	██████████	
Information Officer	████████████████████ ████████████████████	██████████ ██████████	
Safety Officer	██████████ ██████████	██████████ ██████████	
Liaison Officer	Angus Holme-Moir	██████████	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi ██████████ Back up ██████████ ████████████████████ ██████████	██████████ ██████████	
Agency	FENZ ██████████ II ██████████	██████████ ██████████	
Agency	WWF ██████████	██████████	
Agency	Orca Research Trust	0800SEEORCA	
5. Planning/Intell Section		Cell Phone	Radio Ch
Planning/Intell Manager	Dave Hunt	██████████	
Situations Unit	Ian Angus	██████████	
Security (Social)	Michael McCarthy (Support) ██████████	██████████ ██████████	
6. Logistics Section		Cell Phone	Radio Ch
"Procurements and Contacts ██████████			
Logistics Manager	██████████	██████████	
Supply Unit	Mike Sparrow	██████████	
Facilities Unit	██████████	██████████	
Plimmerton Boating Club	████████████████████ ██████████		









1. Incident Name Plimmerton Orca Recovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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7. Operations Section		Cell Phone	Radio Ch
Operations Manager	██████ (on call for night)	██████████	
Deputy Operations Manager			
Pump Staff (day)	██████████ ██████████ ██████████ (NZDF) Filtration support	██████████ ██████████ ██████████	
Pump staff (night)	██████████ ██████	██████████ ██████████	
Sector A Supervisor	Ingrid Visser	0800SEEORCA	
Sector B Supervisor	██████████	██████████	
Spotting management	██████████	██████████	
Reunification planning	██████████	██████████	
Sector C Supervisor	Recon Security	██████████████████ ██████████████████	
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																																			
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>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>   </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 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: 			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 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> (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					
<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” 																							
Prepared by:	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 C	4. Description Security			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>
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: ██					
Prepared by: ██████████			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

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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, [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 makes 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 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>Road</i>		<i>Air</i>	<i>Burn Unit</i>	<i>Heli 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 Contact Safety Advisor for any known hazards and incidents									
7. Prepared By: Michael Sparrow					Date/Time 22 July 1500hrs				
8. Reviewed by Safety Advisor: XXXXXXXXXX					Date/Time 22 July 1600				

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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

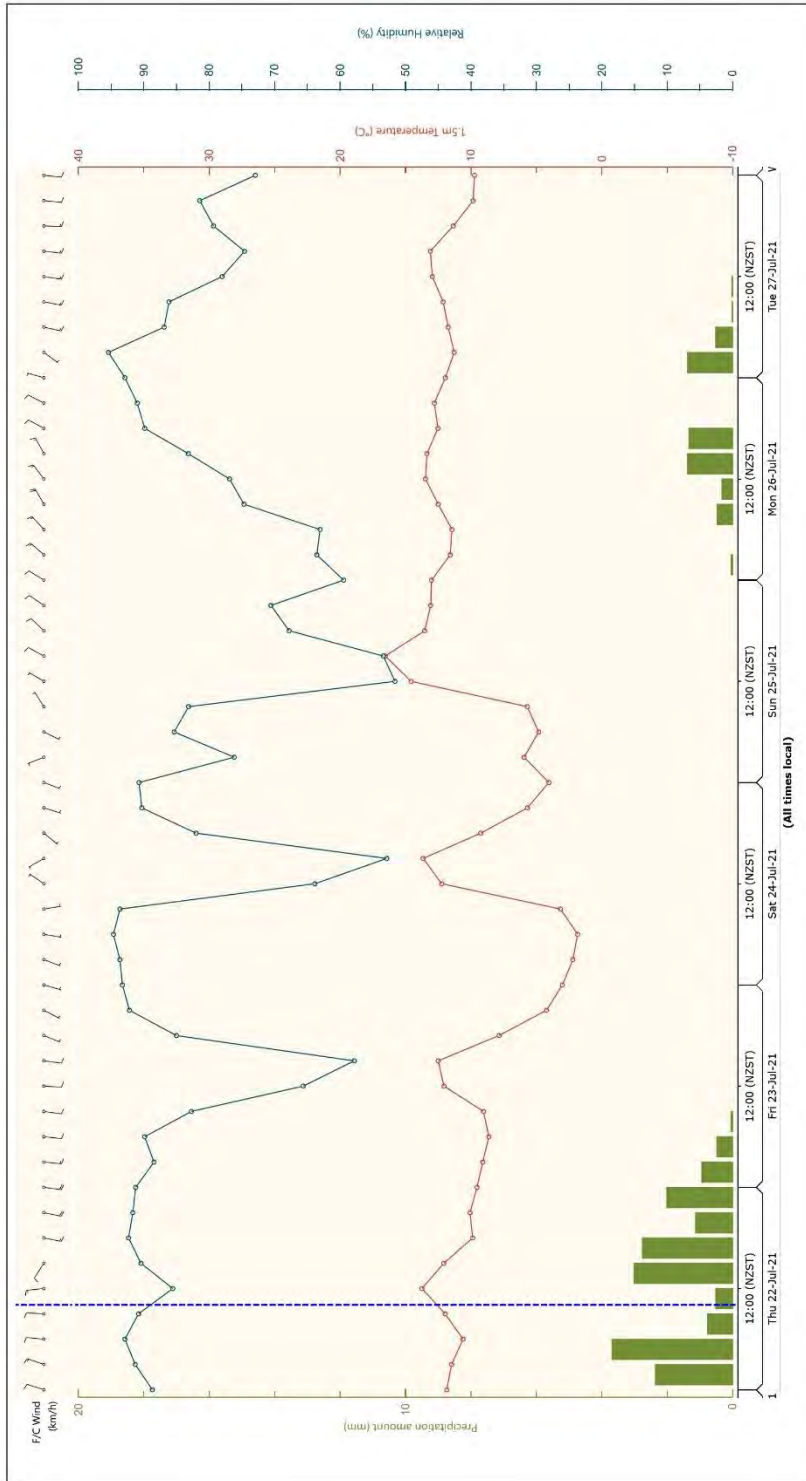
Rain: Showers possible.

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
 Recovery**

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

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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



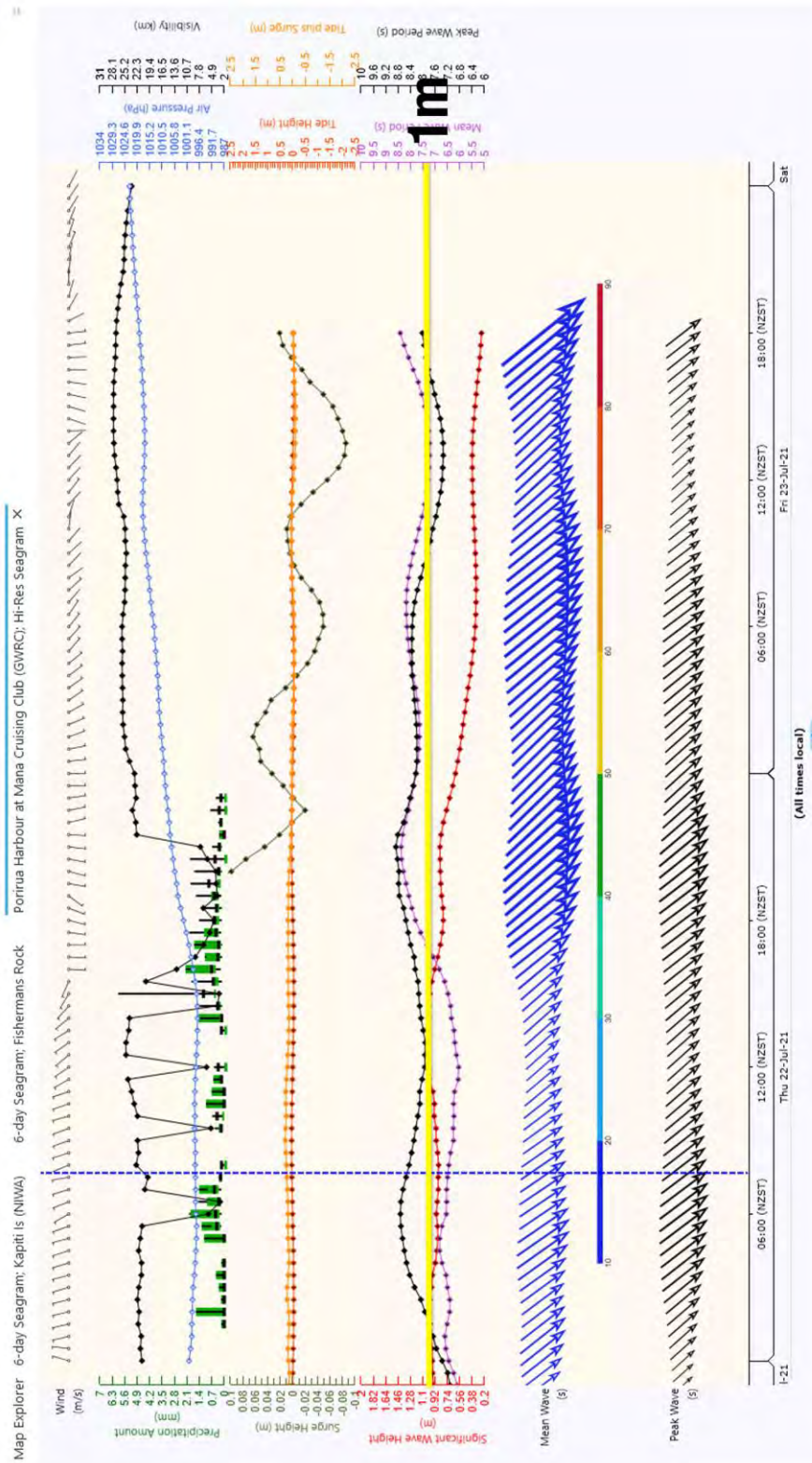
Mana / Porirua Harbour Tides Timetable

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
RecoveryRecovery

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

NIWA Forecast 48 hour high resolution model

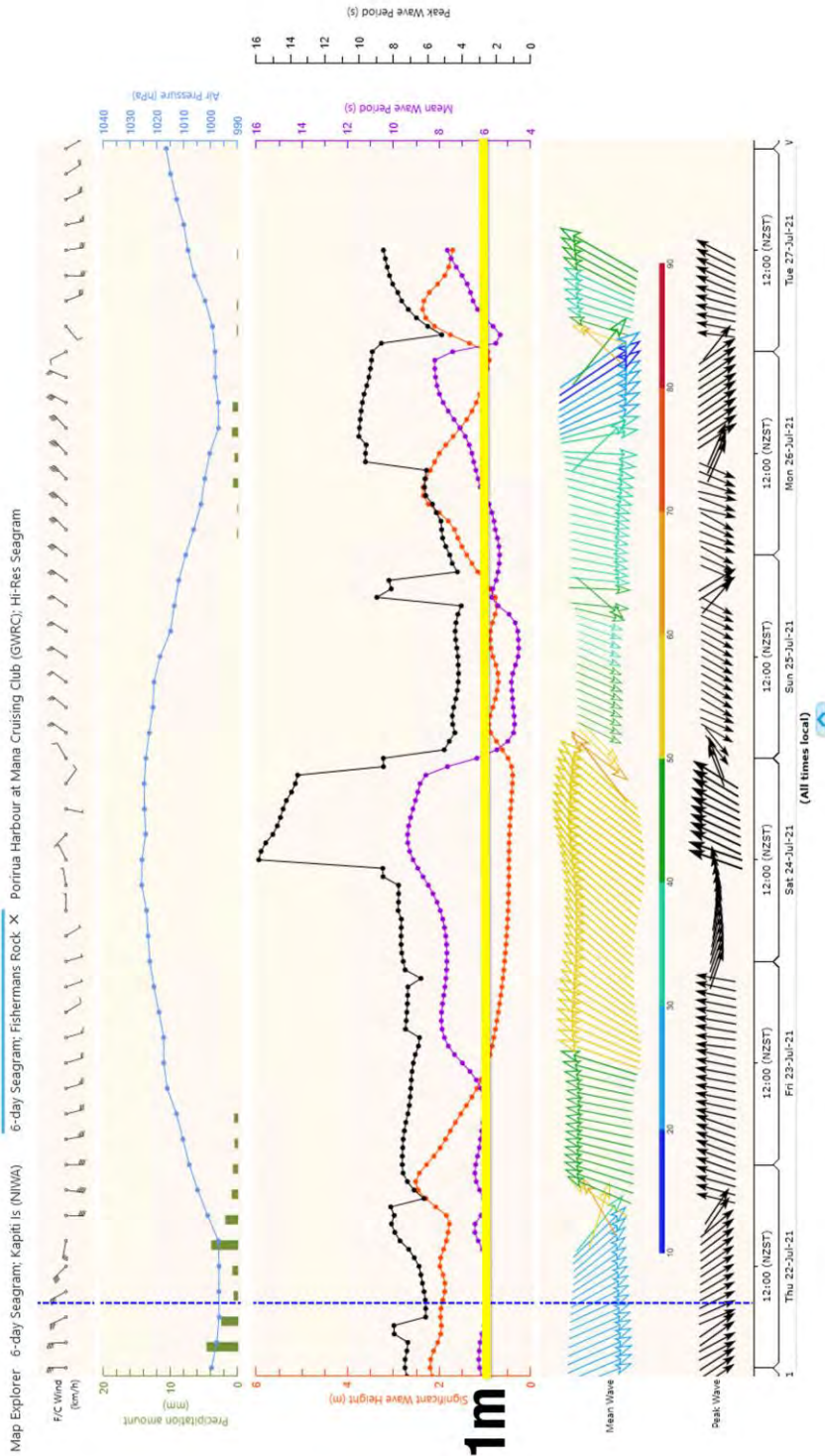


1. Incident Name
**Plimmerton Orca
 Recovery**

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

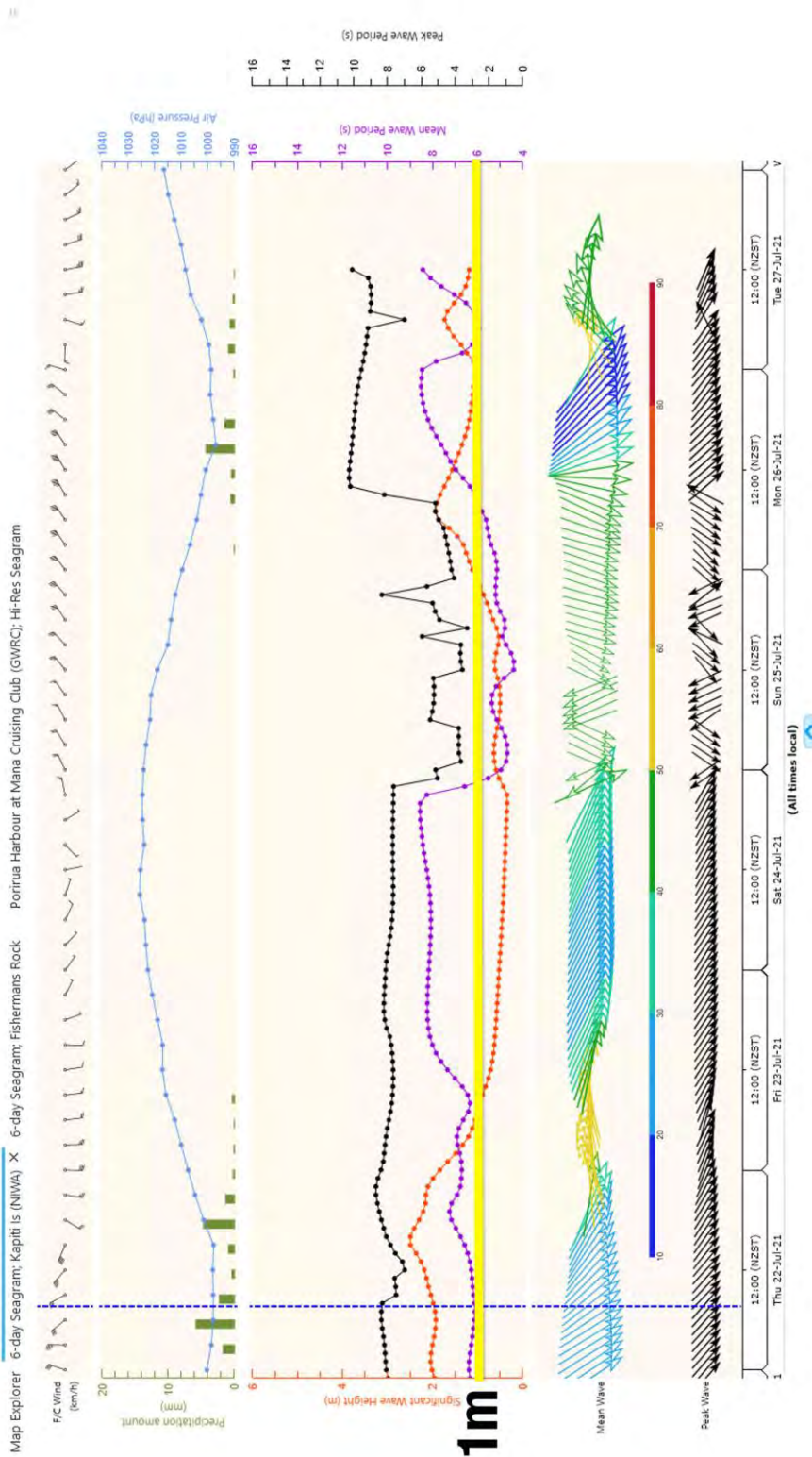
Seagrams

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 Recovery	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 appliance/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	

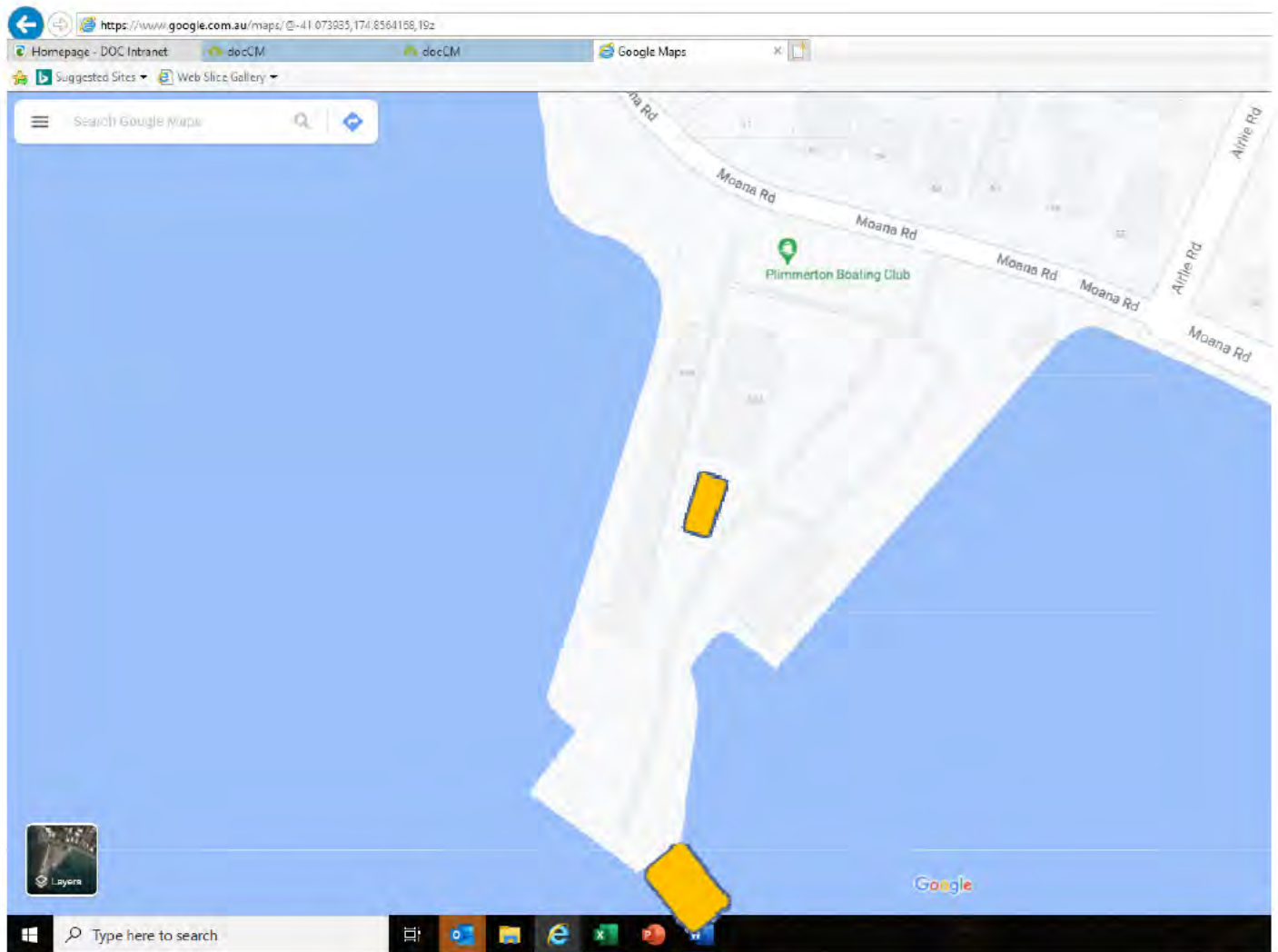
1. Incident Name Plimmerton Orca RecoveryRecovery	2. Operational Period – 0800 - 1800 Fri 23 July 2021
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[Redacted]

From: Kirstie Knowles
Sent: Thursday, 22 July 2021 11:40 am
To: [Redacted]
Cc: Kris Ramm; [Redacted]; Elizabeth Heeg
Subject: Orca pool location

Pool and sea pen location.

Ian just told me they might move the calf to the sea pen today.



Kirstie Knowles (she/her)

Manager Marine Ecosystems – Kaimātanga Mātai Ahu Moana

Aquatic Unit, Biodiversity Group – Kāhui Kanorau Koiora

Department of Conservation – Te Papa Atawhai

Focal point for: IUCN-WCPA, Local Gov Coastal-SIG, Sustainable Seas Challenge, NZ Marine Sciences Society

[Redacted]

Mon	Tues	Wed	Thurs	Fri
✓	🏠	✓	✓	🏠

✓ = In the office; 🏠 = Working remotely; X = Not at work

Papatūānuku Thrives

Te ora o Papatūānuku
Te ora o te Hapori
Te hunga Atawhai



Healthy nature
Thriving communities
People who care

From: David Hunt
Sent: Thursday, 22 July 2021 9:24 am
To: Sarah Owen; Jack Mace
Cc: Kirsty Prior
Subject: Plimmerton Orca Management Structure DH-SO
Attachments: Plimmerton Orca Management.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sarah

Thanks for you diagram last night. I have prepared version 2 for your consideration. My initial version was providing support around the current IMT, hence the language I used.

For a IMT ongoing, the following should be a good start and modify as required.

Key points

- Get the Roles identified,
- Establish how the roles relate to one and other,
- Set up the processes you will use,
- Get onto the problem solving.

Too often we end up building the processes at the same time as problem solving which can cause issues.

I have had my 2 day workshop next week postponed and would be available to assist.

Ngā mihi

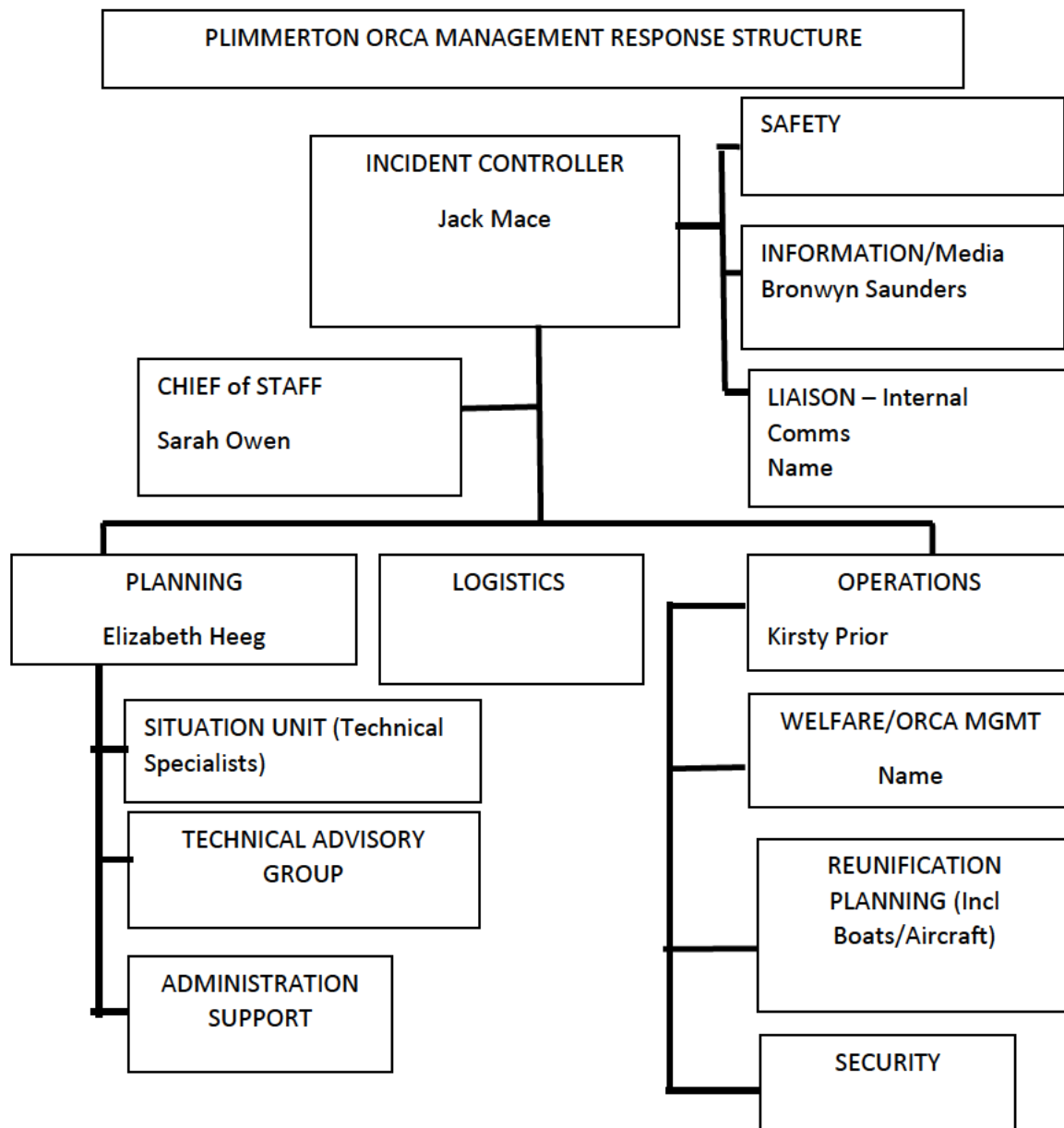
Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

| E-Mail: dhunt@doc.govt.nz

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Roles –

Safety is required due to ongoing operations

Logistics required to support Operations with staff, transport and equipment

Planning manages the specialists, TAG and Admin support

Operations could have 3 Sectors Orca Welfare, Reunification Planning and implementation, and Security

[REDACTED]

From: [REDACTED]
Sent: Thursday, 22 July 2021 11:29 am
To: [REDACTED]
Subject: Request for assistance for Lady liz
Attachments: Reunification Plan.docx

Hi [REDACTED]

Attached Reunification plan to guide thinking around a "Request for Assistance".

Briefly request is for use of lady Liz to carry Toa so we can attempt a reunification. Are would be coast south of wellington (as we have Christa Maria for Mana coast).

Cheers

[REDACTED]
Technical Adviser Marine (secondment, Marine Species Team)
Department of Conservation—*Te Papa Atawhai*
62 Commercial St | PO BOX 166
Takaka

[REDACTED]

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Reunification Plan

1 Purpose

The purpose of this document is to describe the tasks and roles to transport Toa from the holding pool, to a boat and attempt a reunification with Toa's natal pod (or at a later date possibly another pod).

2 Introduction

There are multiple possible scenarios for reunification, one of the main factors to consider will be location. This will impact transport from 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: nearby, medium distance and long distance. Nearby scenario includes anywhere within 10 minutes drive. In this scenario Toa can be transported on a *horse?* trailer (or back of ute with long deck *see if Kapiti Office has ute with 2.4m deck*). Medium distance scenario is with road transport of more than around 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. The long distance scenario will require a helicopter with sufficient internal cargo space for Toa (body length 2.12m). The "Reunification Plan" preparation and carrying out is the responsibility of the Sector B Supervisor (██████████)

3 Nearby Scenario

Overview:

- Step 1: Lift Toa from pool onto *horse? trailer or ute?*.
- Step 2: Drive from Plimmerton Boat Club to nearby wharf e.g. Mana Marina.
- Step 3: Lift Toa from truck or trailer onto vessel Christa Maria.
- Step 4: Lift Toa from vessel into sea.

3.1 Step 1: Lift from pool onto trailer (30-40 minutes)

No.	Task	Who
1	Phone Rough Transport, ██████████ (back up ██████████) ask for Hi-Ab truck to lift orca. Remind to bring scales (<i>and spreader bars?</i>).	Reunification planning ██████████
2	Prepare DOC ute and boat club trailer to receive Toa. Arrange mattresses (six blue in plastic, leave in plastic, behind roller door at west end of boat club main building)	<i>TBC – check with planning what role could be spare a person</i>
3	Clear area around pool to allow lifting vehicle to operate.	<i>TBC – check with planning what role could be spare a person.</i>

4	Lifting equipment out of shed and placed by side of pool: <ul style="list-style-type: none"> - Red sling - Other 	<i>TBC – check with planning what role could be spare a person.</i>
5	Prepare Toa for transport: <ul style="list-style-type: none"> - Check with Ingrid – sedation, final feed, final health checks???? - Place sling under Toa 	Sector A Supervisor (<i>Ingrid Visser</i>)
5	Lift Toa from pool onto trailer	Hi-Ab operator

3.2 Step 2: Drive to nearby wharf e.g. Mana Marina

3.3 Step 3: Lift from trailer onto vessel

3.4 Step 3: Lift from vessel and attempt reunification with pod.

Document	Note	Link
20590 - Plimmerton Orca stranding response (safety plan, in water aspects)	Check has max no. of people in water and max distance from boat.	

Resources

Item	Where-Who	Note
Hi-Ab truck	Rough Terrain Transport ██████████	
Christa Maria (vessel)	Mana Marina ████████████████████	
Naiad Plimmerton Boat Club	██████████ (PB Club, Ngati Toa)	
Lady Liz		

4 Vessel Specifications:

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

Item	Spec
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	
Can dock at Plimmerton Boat Club	Yes/no?
Can dock at Mana Marina	Yes/no?



Christa Maria

Item	Spec
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	██████████	First Draft

[REDACTED]

From: [REDACTED]
Sent: Thursday, 22 July 2021 1:03 pm
To: [REDACTED]
Cc: [REDACTED]
Subject: task - orca

Hi [REDACTED]

Please introduce yourself by phone to [REDACTED], O/C Maritime Police.

He controls police vessel Lady Elizabeth (Liz).

There are some gaps in the "reunification plan" that need filling, get tis info from [REDACTED]

[REDACTED] is preparing "Request for Assisance" for use of this vessel, but we already have a verbal all good. The "request for Assisance" will formalise this agreement.

Initial request is for use along coast south of Wellington. Later we may want to extentd this request to include Marlborough Sounds.

Cheers

[REDACTED]
Technical Adviser Marine (secondment, Marine Species Team)
Department of Conservation—*Te Papa Atawhai*
62 Commercial St | PO BOX 166
Takaka

[REDACTED]

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From: David Hunt
Sent: Thursday, 22 July 2021 5:14 pm
To: Reg Kemper
Cc: Kirsty Prior; Jack Mace
Subject: Update on Plimmerton Orca Management - 22 July 2021 DH-RK

Hi Reg

Relationships were a little strained today through some misunderstandings. These are being resolved.

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.

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

| E-Mail: dhunt@doc.govt.nz

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[REDACTED]

From: David Hunt
Sent: Friday, 23 July 2021 7:21 pm
To: Kirsty Prior; [REDACTED]@wwf.org.nz;
Kristopher Ramm; [REDACTED]; Michael McCarthy; Michael Sparrow; [REDACTED]
[REDACTED]
Cc: Angus Hulme-Moir; Jack Mace; Reg Kemper
Subject: CORRECTION IAP 8 Plimmerton Orca Recovery 24 July 2021 - Rev 25 DOC-6723483
Attachments: IAP 8 Plimmerton Orca Recovery 24 July 2021 - DOC-6723483.docx

Hi

I did not have the correct phone number for [REDACTED]. This Revision 25 has it

[REDACTED]
Team Lead Communications
[REDACTED]

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

[REDACTED] | E-Mail: dhunt@doc.govt.nz

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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])

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

RF202

4. Objectives for specified Operational Period

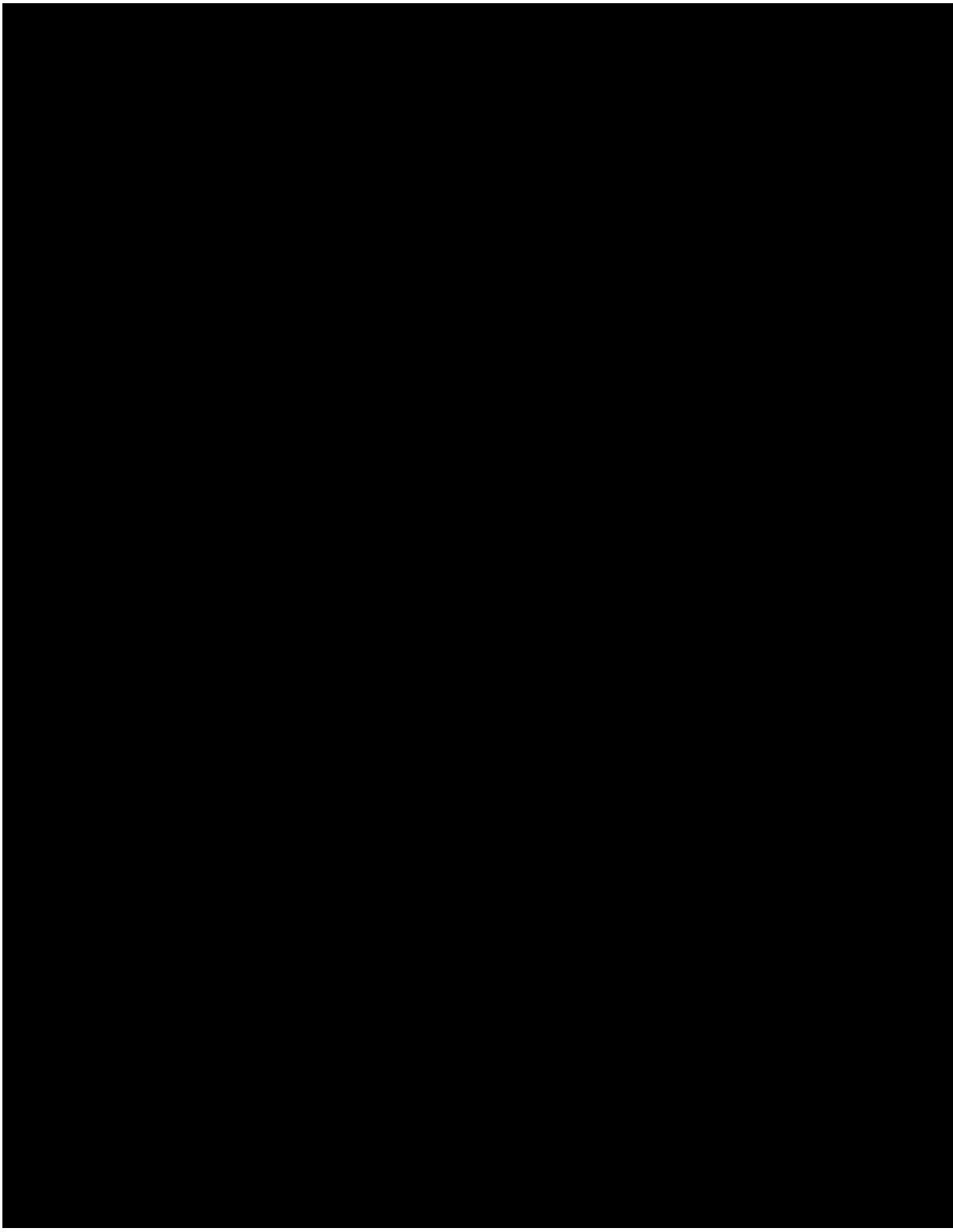
Purpose: To achieve the best practical outcome for “Toa” the orca calf

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	0274049837	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED] Back up [REDACTED] [REDACTED]	[REDACTED] [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] [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]	[REDACTED]	
Deputy Operations Manager	[REDACTED] (FENZ)	[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	[REDACTED]	[REDACTED]	
Reunification planning	[REDACTED]	[REDACTED]	
Sector C Supervisor	Recon Security	[REDACTED]	
	[REDACTED]	[REDACTED]	
Prepared by: Mike Sparrow	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 A	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] • 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 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: 			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		027 203 4852																					
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; color: black;">[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> </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	[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>																		
Recon Security	[REDACTED]																						
8. Sector Assignment / Special Instructions <ul style="list-style-type: none"> Provide security services to the Plimmerton Boating Club site RECON Security MOB: [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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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: XXXXXXXXXX			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
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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]		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, [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 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 [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 23 July 1500hrs				
8. Reviewed by Safety Advisor: [REDACTED]			Date/Time 23 July 1600				

1. Incident Name Plimmerton Orca Recovery	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

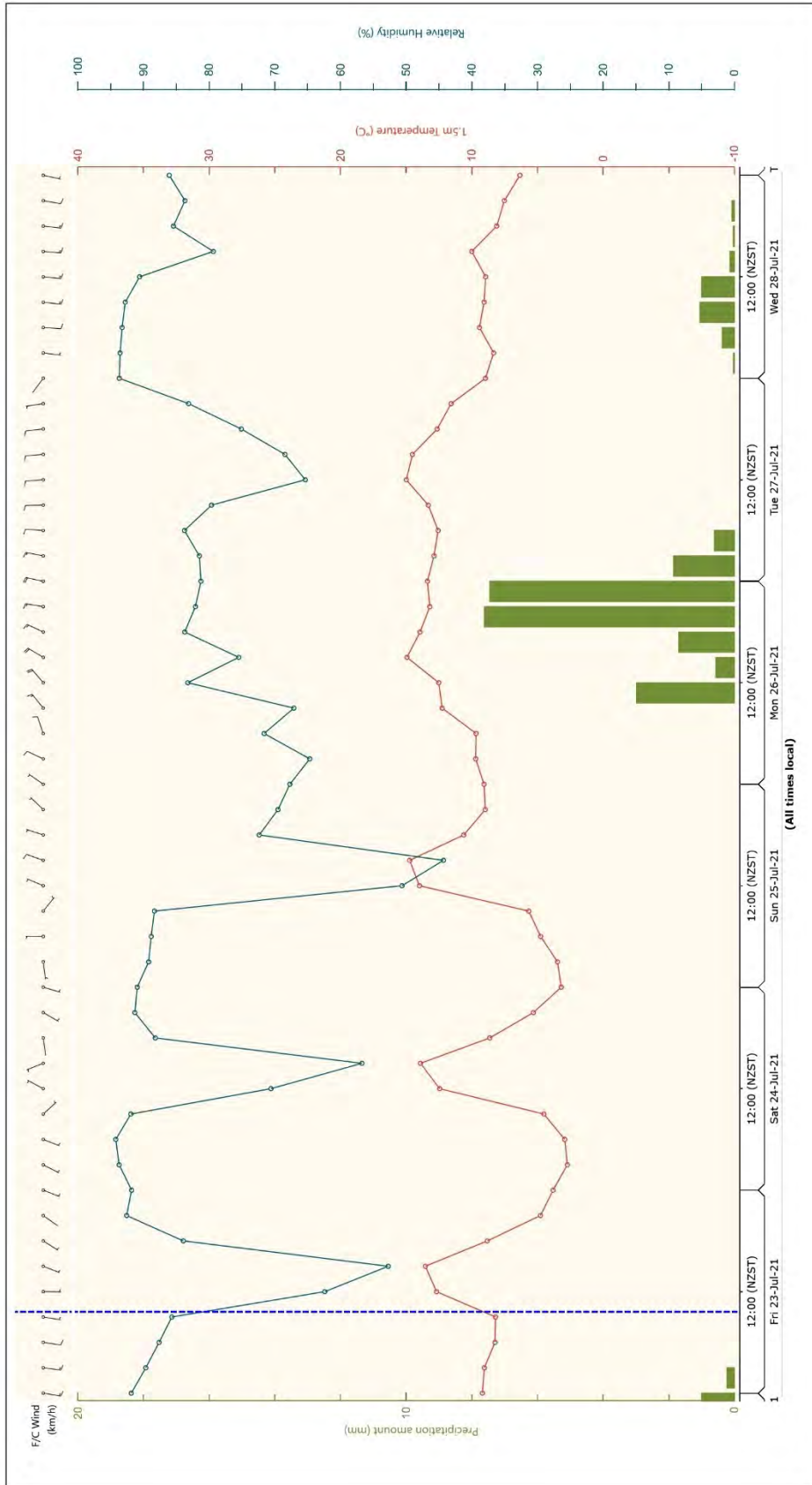
Rain: Scattered showers possible.

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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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



Source: MetOcean Solutions

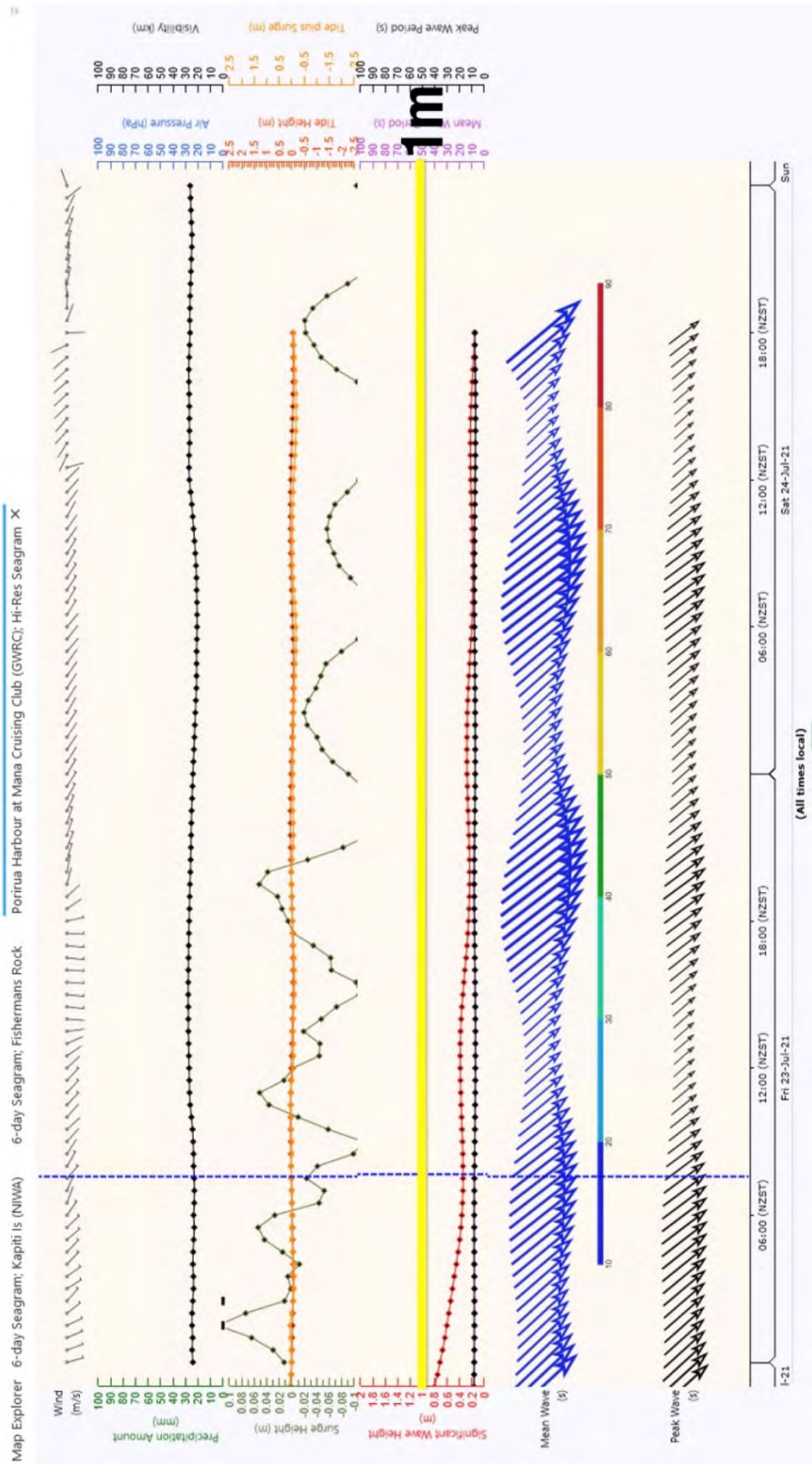
Mana / Porirua Harbour Tides Timetable

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**

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

NIWA Forecast 48 hour high resolution model

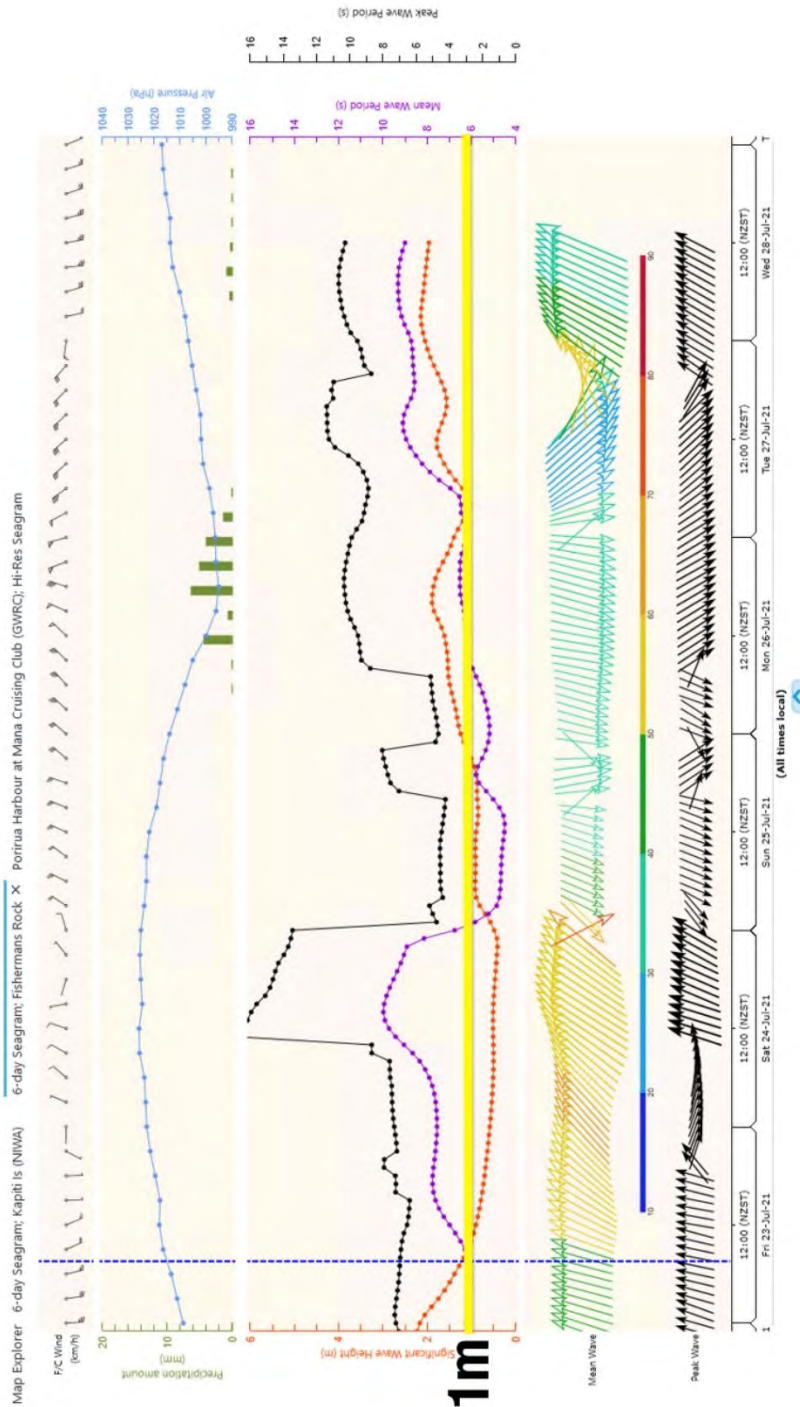


1. Incident Name
**Plimmerton Orca
 Recovery**

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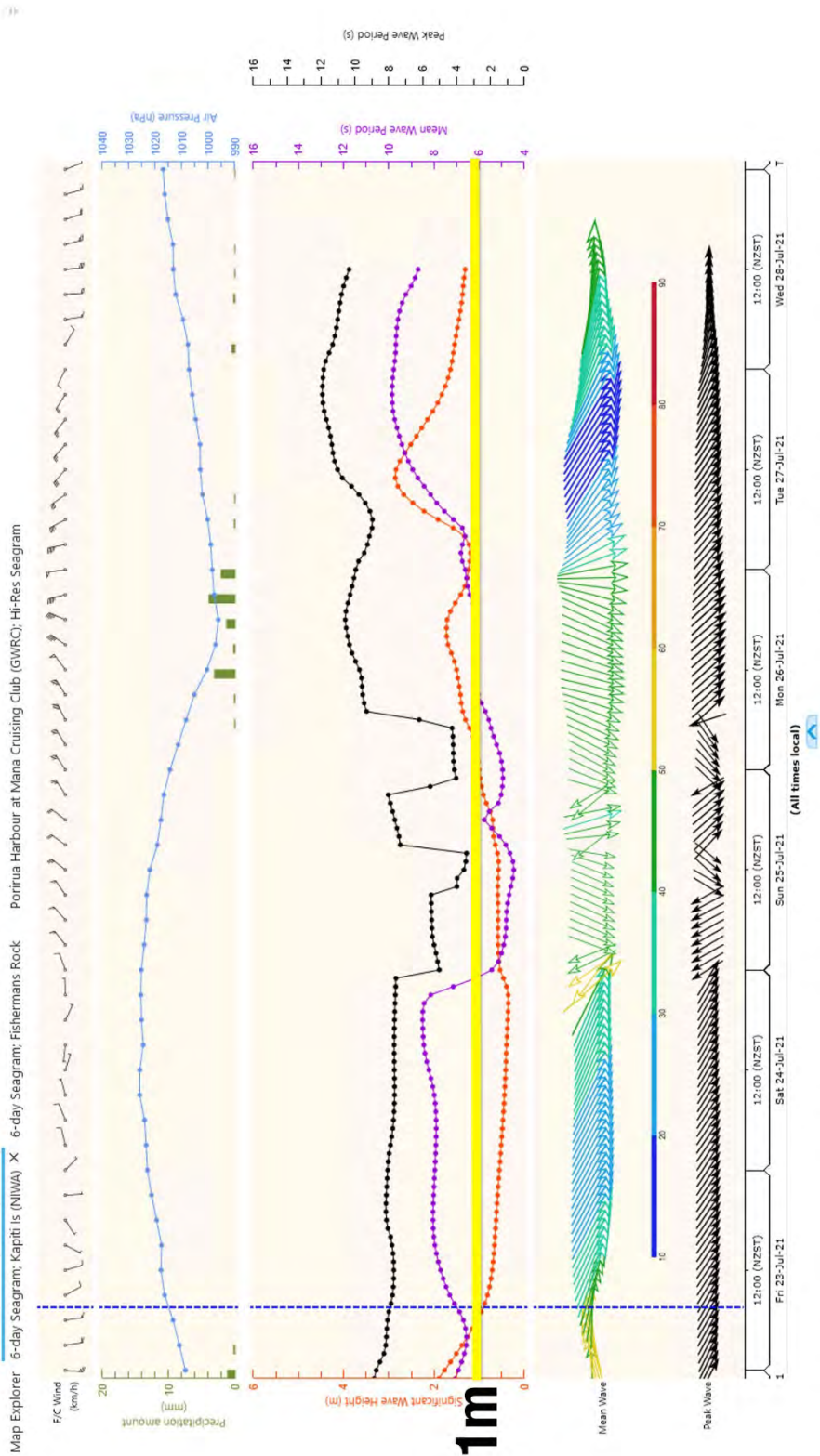
Seagrams

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
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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:

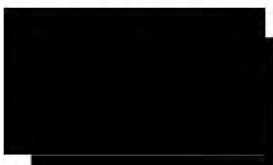
For emergency event or urgent pumping capacity, Priority Message to Firecom or 111 to make up appliance/s

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

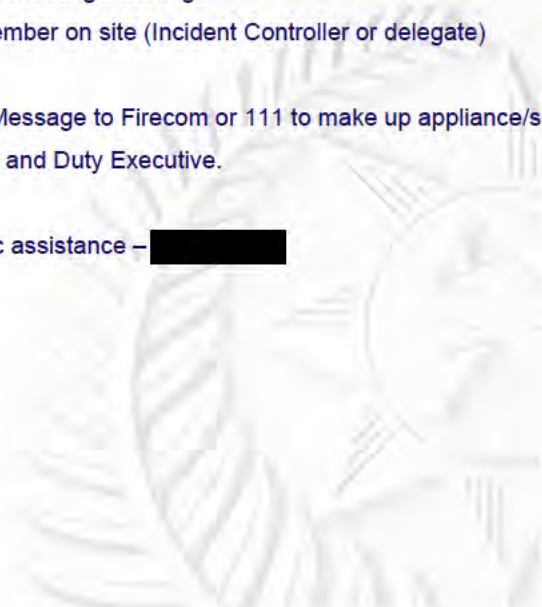
Rosters:

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
--	---

[REDACTED]

From: Kirsty Prior
Sent: Friday, 23 July 2021 6:53 am
To: Ian Angus; Jack Mace; Sarah Owen; [REDACTED]; Bronwyn Saunders; Elizabeth Heeg; [REDACTED]
[REDACTED] (@Parliament)
Subject: Fwd: Wastewater sewage

Hi team,

We investigated last night at the leak and spoke with the engineer at the leak site. It was considered very minor with no health risk to people (or animal) at our location. The leak had stopped before 11.30pm and have been assured it is fixed.

We will initiate a better alert system with the council today. And we'll re-introduce or check washing protocols at site.

Cheers,

Kirsty
Operations Manager Aotea

On 22/07/2021 10:12 pm, Bronwyn Saunders <bsaunders@doc.govt.nz> wrote:
Fyi.

Cheers
Bronwyn

----- Forwarded message -----

From: [REDACTED] >
Date: 22/07/2021 9:22 pm
Subject: Wastewater sewage
To: [REDACTED]@rnz.co.nz>,Media <Media@doc.govt.nz>
Cc:

> Hi [REDACTED],
> We've been working with the council all week who have been monitoring water quality following the storm.
> I'll be in touch tomorrow if there are any further updates
>
> Sent from Workspace ONE Boxer
>
> On 22/07/2021 8:08 PM, [REDACTED]@rnz.co.nz> wrote:
> Kia ora,
>
> I'm writing to just ask if you know of the pipe burst in Porirua which is sending sewage into the harbour?
>
> I was wanting to see if this will impact on your plans to re-introduce Toa back into his sea pen?
>
> Are you able to send me a quick comment on whether this is affecting you at all?
>
> Many thanks,
> [REDACTED]
>
> [REDACTED]
>

> Radio New Zealand | Level 2 | 155 The Terrace

>

> PO Box 123 | Wellington | New Zealand 6140

>

> Mob.: [REDACTED]

>

> [REDACTED]

>

>

>

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[REDACTED]

From: [REDACTED]
Sent: Friday, 23 July 2021 4:41 pm
To: [REDACTED]
Subject: FW: handover
Attachments: Orca Sighting Plan_23 July 2021.docx

A few more things to add to the following list:

- There is a new sighting plan now (attached) and sightings within and outside core operational area is to be validated differently [REDACTED]
- [REDACTED] has now replaced [REDACTED] and should be consulted re boat deployment for validating sightings in and around Wellington. For validating sightings in Marlborough sounds please contact [REDACTED].

From: [REDACTED]
Sent: Tuesday, 20 July 2021 5:29 pm
To: [REDACTED]
Subject: handover

Hey [REDACTED]

Ok so when you get here tomorrow come into the building (the boat club) and head into the office on the ground floor, this is the DOC HQ.

First meeting of the day is 8.30 am daily and there are 4 meetings throughout the day.

You'll see the charts of the Wellington area on the desk with a pencil and ruler etc for marking sightings as they come in. These are yours.

How to process sightings:

1. All sightings need to come through DOC HOT, these arrive as emails to the marinemammals@doc email.
2. These details need to be entered into the sightings spreadsheet here: [REDACTED]
3. Most important part of your job will be getting Ingrid and [REDACTED] from Whale rescue to quickly review a photo or video for them to ID the individuals.
4. Liaise with [REDACTED] on if a vessel or plane should be deployed to confirm a sighting of orca and to gather better images/video.
5. Priority right now is to find his pod, it may be later in the week priority shifts to any pod.

On the second tab of the spreadsheet there's lots of info around what questions to ask and main points of contact for you. Save [REDACTED] number on your phone too so you can always contact him to work together.

Give [REDACTED] from the aero club a call to introduce yourself, they are running flights up to 3 times daily looking for sightings.

Potential sighting at 4.30pm 20/07/21 at Island Bay and the boy ([REDACTED]) is going to send through photos. Too late in the day to do anything safely about a sighting like this.

Orca Sighting Plan

Date: 23/07/21

- Toa, a baby coastal orca, estimated to be only a few months old got stranded on rocks at Hongoeka north of Plimmerton mid-afternoon on Sunday 11 July, 2021
- Given orcas can swim over 160 km per day, Toa's pod can be anywhere now.
- We are on Day13 of the Orca response and are now ramping up sighting efforts
- In the past Toa's pod had been sighted between Kaikoura in South Island to Bay of Islands in North Island. So based on expert knowledge we are encouraging sighting records from all around North Island and to Kaikoura in South Island which will also be our coarse operational area
- Given daily distance of 160km, a 3 day weather window, gives us an active search area of 320km (allowing 1 day for reunification). So we will also be looking actively for any sighting from south of Taranaki and Napier in North to Kaikoura in South.
- Based on logistics, our core operational area remains within 30 nautical miles around Hongoeka.
- Given daily distance of 160km, a 3 day weather window, gives us an active search area of 320km (allowing 1 day for reunification).



From: Michael Slater
Sent: Friday, 23 July 2021 3:05 pm
To: Hilary Aikman
Subject: Fwd: Personnel for IMT at Plimmerton Boat Club with Toa the Orca

Sent from Workspace ONE Boxer

----- Forwarded message -----

From: Reg Kemper <rkemper@doc.govt.nz>
Date: 23/07/2021 2:51 pm
Subject: Fwd: Personnel for IMT at Plimmerton Boat Club with Toa the Orca
To: Michael Slater <m Slater@doc.govt.nz>
Cc: Kevin OConnor <koconnor@doc.govt.nz>, Kirsty Prior <kprior@doc.govt.nz>

Mike

Here is the list of staff resources required to support the Toa Orca IMT.

Note the date required including 2 safety officers, PIM (coms) and security office tomorrow at 8am.
REG

Sent from Workspace ONE Boxer

----- Forwarded message -----

From: Michael Sparrow <msparrow@doc.govt.nz>
Date: 23/07/2021 2:44 pm
Subject: Personnel for IMT at Plimmerton Boat Club with Toa the Orca
To: Reg Kemper <rkemper@doc.govt.nz>

Cc:

Hi Reg,

As well as some emergency management/CIMS experience below are the roles and skills needed:

Role	Skills	Required at
Safety Officer x 2	Operational safety experience Attention to detail Safety systems experience Example – supervisor, senior ranger	1 starting Saturday 24 th 8am 1 starting Monday 26 th 12pm
Operations	Relationship Manager Excellent organisation skills Multi-tasker Example – supervisor, senior ranger, operations manager	Monday 26 th 8am
Logistics Manager	Organisational skills Works well under pressure Good communicator Multi-tasker Example – senior ranger, supervisor, advisor, coordinator	Sunday 25 th 12pm
Logistics (accomm, transport, finance)	Organisational skills Works well under pressure Good communicator	Monday 26 th 12pm

	Multi-tasker Example – senior ranger, supervisor, advisor, coordinator	
Media Liaison	Skills dealing with media outlets Comms skills Preparing media releases Example – community ranger	Monday 26 th 8am
PIM	Ensuring good internal comms Pulling together paperwork Example – community ranger	Saturday 24 th 8am
Security officer	Threat assessments Security debriefs Social media scanning	Saturday 24 th 8am

Michael Sparrow

Issues Manager, Operations Issues and Programmes | Pou Whakatika Kāhui Matarautaki

Conservation House | Whare Kaupapa Atawhai

Phone: [REDACTED]

www.doc.govt.nz



From: Kirstie Knowles
Sent: Friday, 23 July 2021 11:58 am
To: Jack Mace; Reg Kemper; Kirsty Prior; Elizabeth Heeg; Sarah Owen; Bronwyn Saunders
Cc: David Hunt; Ian Angus; Kristopher Ramm
Subject: RE: Mgmt structure photo for addition to notes - orca response

Follow Up Flag: Follow up
Flag Status: Flagged

Thoughts from David Hunt below on the Orca Response CIMS structure.....

Kirstie Knowles ([she/her](#))

Manager Marine Ecosystems – *Kaimātanga Mātai Ahu Moana*
Aquatic Unit, Biodiversity Group – *Kāhui Kanorau Koiora*
Department of Conservation – *Te Papa Atawhai*
[Focal point for: IUCN-WCPA, Local Gov Coastal-SIG, Sustainable Seas Challenge, NZ Marine Sciences Society](#)



Mon	Tues	Wed	Thurs	Fri
✓	🏠	✓	✓	🏠

✓ = In the office; 🏠 = Working remotely; ✗ = Not at work



From: David Hunt <dhunt@doc.govt.nz>
Sent: Friday, 23 July 2021 11:49 am
To: Kirstie Knowles <kknowles@doc.govt.nz>
Subject: RE: Mgmt structure photo for addition to notes - orca response

Thanks Kirstie

I think it needs to have a “Safety Advisor” and “Logistics” Roles added. There are essentially two levels

The “Response IMT” to manage the operation at the PBC

A “Coordination” team above.

We are currently running a full time Safety Advisor and 2 Logistics staff who have been pushed quite hard.

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

Kia piki te oranga o te ao tūroa, i roto i te ngātahitanga, ki Aotearoa.
To work with others to increase the value of conservation for New Zealanders.

www.doc.govt.nz



From: Kirstie Knowles <kknowles@doc.govt.nz>
Sent: Friday, 23 July 2021 11:11 am
To: David Hunt <dhunt@doc.govt.nz>
Subject: FW: Mgmt structure photo for addition to notes - orca response

Elizabeth Heeg asked me to pass on the new governance structure.

Essentially 3 key groups:

- IC – Kirsty P (on site) (note there is some debate about calling this IC or Operations Manager)
 - Comms – Bronwyn
 - Technical - Elizabeth Heeg
- Chief of staff – Sarah Owen

Kirstie Knowles (she/her)

Manager Marine Ecosystems – *Kaimātanga Mātai Ahu Moana*

Aquatic Unit, Biodiversity Group – *Kāhui Kanorau Koiora*

Department of Conservation – *Te Papa Atawhai*

Focal point for: IUCN-WCPA, Local Gov Coastal-SIG, Sustainable Seas Challenge, NZ Marine Sciences Society



Mon	Tues	Wed	Thurs	Fri
✓	🏠	✓	✓	🏠

✓ = In the office; 🏠 = Working remotely; X = Not at work

Papatūānuku Thrives

Te ora o Papatūānuku
Te ora o te Hapori
Te hunga Atawhai



Healthy nature
Thriving communities
People who care

From: Jack Mace <jmace@doc.govt.nz>

Sent: Tuesday, 20 July 2021 12:01 pm

To: [REDACTED] Sarah Owen <sarahowen@doc.govt.nz>; Bronwyn Saunders <bsaunders@doc.govt.nz>; Kirstie Knowles <kknowles@doc.govt.nz>; Elizabeth Heeg <eheeg@doc.govt.nz>

Subject: Mgmt structure photo for addition to notes - orca response

Sent from Workspace ONE Boxer

[REDACTED]

From: [REDACTED]
Sent: Friday, 23 July 2021 7:28 pm
To: [REDACTED]; Kirsty Prior
Cc: Kristopher Ramm; Reg Kemper; David Hunt; Michael McCarthy
Subject: Security Situation Report 23 July 2021

Kia Ora Team,

Please see the Security Situation Report [REDACTED].

The report includes details on:

- Site security
- Police contact details
- Trespass information
- Security incidents to date
- Highlighted security risks
- Specific security risks for movement of the orca/opposition to a DOC decision

Kris Ramm is going to talk to [REDACTED] tomorrow about authority for DOC to trespass on behalf of the Plimmerton Boat Club. Thanks Kris.

The Security Team will continue to search open-source social media over the weekend and report any concerning or threatening information related to the orca response.

Mike McCarthy, Chief Security Officer is on call for the weekend. Contact [REDACTED]

Hope you all get a chance to have a break this weekend.

Thanks,

[REDACTED]
Security Programme Coordinator | Corporate Services
Department of Conservation | Te Papa Atawhai

[REDACTED]

Conservation House Wellington | Whare Kaupapa Atawhai
18 Manners St | PO Box 10 420, Wellington 6143



Security Situation Report

Plimmerton Orca Stranding

Location: Plimmerton Boat Club

66 Moana Road, Plimmerton, Karehana Bay 5026

Date: 1400hrs 23 July 2021

Introduction

1. On Sunday 11 July, an orca calf was found stranded on the rocks in Hongoeka Bay and was transported to the Plimmerton Boat club by local iwi with the aim of re-floating the calf with its pod, still circulating the area at time.
2. Department of Conservation (DOC) established an Incident Management Team (IMT) at the Plimmerton Boat Club on Thursday 15 July to manage the welfare of the calf, and search for the pod to return the calf to its family.
3. The orca calf was transferred from a sea pen to a temporary pool setup in the Plimmerton Boat Club carpark on Friday 16 July due to the severe weather forecast for the weekend
4. The orca calf was transferred back to the sea pen from the swimming pool on Thursday 22 July.
5. There is significant media interest in the current situation, and multiple opinion pieces and ethical debates have surfaced on traditional and social media channels. Recent media coverage has focussed on strategic long-term options for the orca calf including euthanasia.
6. The very high public interest has raised security concerns associated with public opposition to the current management of the orca calf including potential protests, unauthorised entry to the operational area and social media threat, abuse or harassment. There are also many comments opposing the option of euthanasia.

Operational Profile

7. The orca calf is currently being held in a sea pen at the Plimmerton Boat Club. The boat club is located at 66 Moana Road. The site includes a large carpark with multiple cars and boats, the main club building, and an array of boat sheds. The road continues for a further kilometre past the boat club and road traffic is light although the road is a popular walking track.
8. The site is a busy environment with numerous personnel from various agencies and interest groups contributing to the care and re-floating effort. Personnel on site include:
 - DOC Incident Management Team (15-20 staff)
 - Whale Rescue volunteers (working to a shift/roster system)
 - Local volunteers (providing catering, towels etc)
 - Vets and vet nurses
 - FENZ
 - Ngati Toa
 - Boat Club Members (and visitors during functions)
 - Contractors (including catering, equipment delivery etc)

Site Security

9. There are two roadside entrances to the boat club from Moana Road, the main entrance remains open and the second entrance is closed, protected by a locked gate. DOC has contracted two security personnel, placed at the main entrance, to control access to the operational area within the Plimmerton Boat Club. The DOC Security Team has provided on site security staff with a written briefing including key responsibilities, contacts and information to relay to curious members of the public ([DOC-6729008](#), see Appendix B).
10. Security at the remainder of the site is somewhat porous where multiple temporary fences and danger tape act as the only other physical barriers to unauthorised entry. This temporary fencing could be easily breached by a motivated individual, particularly at low tide when multiple approach options to the Boat Club are available from the adjoining beachfront.
11. Appendix A provides a layout of the site and existing security measures as at 1600hrs 23 July 2021. Note this layout will possibly change as operational requirements dictate

Police

12. The DOC Security Team have liaised with Police to inform them of potential calls for service associated with the orca stranding. Requests for Police assistance should reference the Police event number **P047264417**.

Key police contacts:

1. In the event of an emergency dial 111 immediately
2. [REDACTED]
Police local contact - Porirua Community Section
[REDACTED]
3. Local Police resources - Wellington District Command Centre 24/7
04 381 2008
4. National Command and Control Centre (NCCC) can be contacted 24/7
04 817 0248
5. [REDACTED]
Police Maritime Unit
[REDACTED]
6. Police Maritime Unit (24/7)
04 472 0150

Trespass

13. Trespass is an important tool to mitigate issues with unauthorised personnel on site. Trespass notices have been prepared for the Plimmerton Boat Club and surrounding public land by DOC's Legal Team.
14. The boat club building and carpark (including the area where the orca calf was held in a swimming pool) is privately owned by the Plimmerton Boating Club Inc at 66 Moana Road, Plimmerton. DOC require authorisation from the Plimmerton Boat Club to trespass individuals from the club building and carpark ([REDACTED] 'Authorisation by Owner/Lawful Occupier to Department of Conservation Employees to Issue Trespass Notices'). [REDACTED] (Club Manager) is the boat club liaison person for any trespass situation on private/club property.
15. A copy of the private land Trespass Notice is available at [REDACTED]
16. The boat ramps and the area currently being used as a 'sea-pen' for the orca calf is a beach/coastal marine area and therefore a public place. NZ Police can assist with trespass in this area.

Security Incident Reporting

17. To date DOC's Security Team has received limited incident reporting in relation to the Plimmerton orca calf.
18. A woman has stood outside the main to the boat club for multiple nights 'in support of the orca'. She has been denied entry into the operational area by security, but her behaviour to date is not considered threatening or concerning. Staff on site should continue to monitor this individual's movements at the site and report any concerning changes in behaviour.
19. On 23 July an individual posed to site security staff as a club member to gain unauthorised entry into the boat club, and then yelled abuse towards the sea pen area. This individual then left the scene and has not been identified.
20. Information received from the DOC Call Centre in Christchurch indicates as at 22 July 2021 ten calls had been received in relation to orcas; two with orca sightings and eight regarding the Plimmerton orca calf in particular (including seeking information and offers to volunteer/donate). On 21 July 2021 the ESI Call Centre reported a difficult phone conversation with an individual seeking information on the situation who continued to interrupt the call taker and was critical of the response effort. The call taker reported this call made them feel uncomfortable though not threatened.
21. Staff should report all security incidents, concerns, and any suspicious activity at the operational area to safe@doc.govt.nz and to Police in an emergency. For more information on the security incident reporting process see [REDACTED]

Social Media Monitoring

22. The DOC Security Team will continue to scan open-source social media pages daily for threatening discussions related to the orca response. Threatening content includes (but is not limited to): 'naming and shaming' specific individuals associated with the response, potential protests and violent or inciting comments.

Security Risks

- Temporary fencing provides only a deterrent to members of the public. Security guards do not have visibility over all entrance ways to the sea pen. Willing

IN CONFIDENCE

individuals will be able to breach temporary security fencing. Trespass notices should be utilised should unauthorised persons refuse to leave the operational area, and Police contacted if required.

- Iwi, public, media and political interest in this situation is very high. Recent media coverage has focussed on strategic options for the orca including euthanasia. This has raised public concern and the potential for protest on site.
- The Plimmerton Boat Club remains open. There are functions scheduled at the boat club bar for Friday and Saturday nights (23-24 July). This will significantly increase the number of people on site and increase the risk of unauthorised access to operational and sea pen areas. It is also possible individuals with a strong interest in the orca calf situation will present at the Club and pretend to be members or function goers to gain access to the operational area.
- There is increased tension amongst boat club members wanting to use the facilities and launch boats.

Security risks for movement of the orca/opposition to DOC decision

Most likely scenarios for risk mitigation:

1. On water threatening activity
In the event boat or water related threatening activity where Police assistance is required, the Police launch (Lady Liz) is available for support. Phone O/C Maritime Unit, [REDACTED] or the 24/7 Maritime Unit 04 4720150. If impractical to call the unit directly and the threat is imminent or urgent, call 111
2. Individuals refusing access to the sea pen and/or creating an unsafe situation
3. Individuals preventing movement of orca to boat ramp/vehicle.
4. Individuals preventing movement from boat ramp, through to Moana Road.
5. Individuals preventing movement from boat club entrance to desired location via road.
6. Individuals blockade access e.g. use of vehicle.

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Actions:








1. Clear communication of proposed plan and expectations to all parties.
2. Reiteration of expectations if desired behaviour not met.
3. Confirmation of DOC's role as Incident Controller and authority under the Marine Mammals Protection Act 1978.
4. Decision to move the orca, contact the Wellington Police District Command Centre (DCC) on 04 3812008. Note: the DCC deploys resources.
5. Advise of any specific risks or threats identified at the time and the degree of urgency as determined by the incident controller (this will impact the deployment decision).
6. Police may be requested to be available near the boating club or if deemed necessary to support escalating behaviour or threats of violence, they may be required within the boat club premises. Refer Police Event Number [REDACTED]
7. Police may assist with enforcing of the law, including the Marine Mammal Protection Act 1978 and relevant behavioural offences such as trespass or disorder.
8. Police may assist to clear any access points to allow for vehicle or people movement.
9. Police may assist with road closures at relevant points on Moana Road or other relevant roads.
10. Contact Mike McCarthy , Chief Security Officer for any further support/advice or for Police liaison if required - [REDACTED]

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Appendix A



ICONS

-  Security Guard
-  Temporary Fence
-  Permanent Gate
-  Security tape
-  Holding pool
-  Sea pen
-  Volunteer caravan

Plimmerton Boat Club – Plimmerton Orca Recovery

23 July 2021



Plimmerton Orca Recovery – Security Guard Briefing

Key responsibilities:

- Control personnel entering the Plimmerton Boat Club
- Record all individuals entering and leaving the premises on the sign in sheet provided by DOC Security. Record date, time in, name and organisation. Names of boat club members are not required to be logged – simply record as ‘member’.
- Record all individuals leaving the Plimmerton Boat Club premises in the time out section of the sign-in sheet.
- Verify new volunteers with the volunteer coordinator before allowing entry to the site. Use the DOC radio to contact the volunteer coordinator in the blue caravan. They can confirm rostered individuals.
- At the end of your shift, return the radio to the DOC Team, replace it for a radio on the charging station and hand the new radio to the next guard on duty. Radios are in the downstairs room of the boat club, opposite the toilets. A grey box is left open on the floor under the coffee machine with radios charging inside. Replace for a charged radio. The radios are already dialled onto the correct channel. You will only need to turn it on.

Information for curious members of the public:

- The Plimmerton Boat Club has been closed to the public by the Department of Conservation to maintain the welfare of the stranded orca calf.
- The calf remains in the care of the Department of Conservation as the search continues for the pod.

Key contacts:

1. **Emergency**
Dial 111 immediately
2. **Police assistance in a non-emergency (e.g. gathering protestors) 24/7**
Wellington District Command Centre 04 3812008
3. **DOC Security Team contact**
Chief Security Officer Mike McCarthy [REDACTED]

Ensure oncoming shifts are briefed on the above information.



[REDACTED]

From: David Hunt
Sent: Friday, 23 July 2021 4:43 pm
To: Reg Kemper
Cc: Jack Mace; Kirsty Prior
Subject: Situation Report for 23 July 2021 DH-RK

Hi Reg

Today the relations were fine.

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.

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420, Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

[REDACTED] | E-Mail: dhunt@doc.govt.nz

**Kia piki te oranga o te ao tūroa, i roto i te ngātahitanga, ki Aotearoa.
To work with others to increase the value of conservation for New Zealanders.**

www.doc.govt.nz

[REDACTED]

From: David Hunt
Sent: Saturday, 24 July 2021 3:29 pm
To: Kirsty Prior; [REDACTED]@wwf.org.nz;
Kristopher Ramm; [REDACTED] Michael McCarthy; [REDACTED];
[REDACTED]; [REDACTED]; Ian Angus
Cc: Angus Hulme-Moir; Jack Mace; Reg Kemper; [REDACTED]; Hilary Aikman; Dave Smith; [REDACTED]
Subject: IAP 9 Close out Plimmerton Orca Recovery 24 July 2021 - Rev 29 DOC-6723483 DH-IMT
Attachments: IAP 9 Close out Plimmerton Orca Recovery 24 July 2021 - DOC-6723483.docx

Hi

Copy of today's IAP with close out material added. ICP "Hot debrief" notes from Sat 24 July link to be added

Thankyou all for the support

Ngā mihi

Dave Hunt

Issues Manager Operations (Kaiwhiri Ruruku ā Motu) Operations | Department of Conservation | PO Box 10-420,
Wellington - 6143 | 18-32 Manners Street, Wellington - 6011

| E-Mail: dhunt@doc.govt.nz

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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.
- [REDACTED] checked at 1615 – agreed the animal needed supporting as unable to maintain bouyancy. Elected to order “pool noodles” (Ingrid recommendation, supported by [REDACTED] – 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

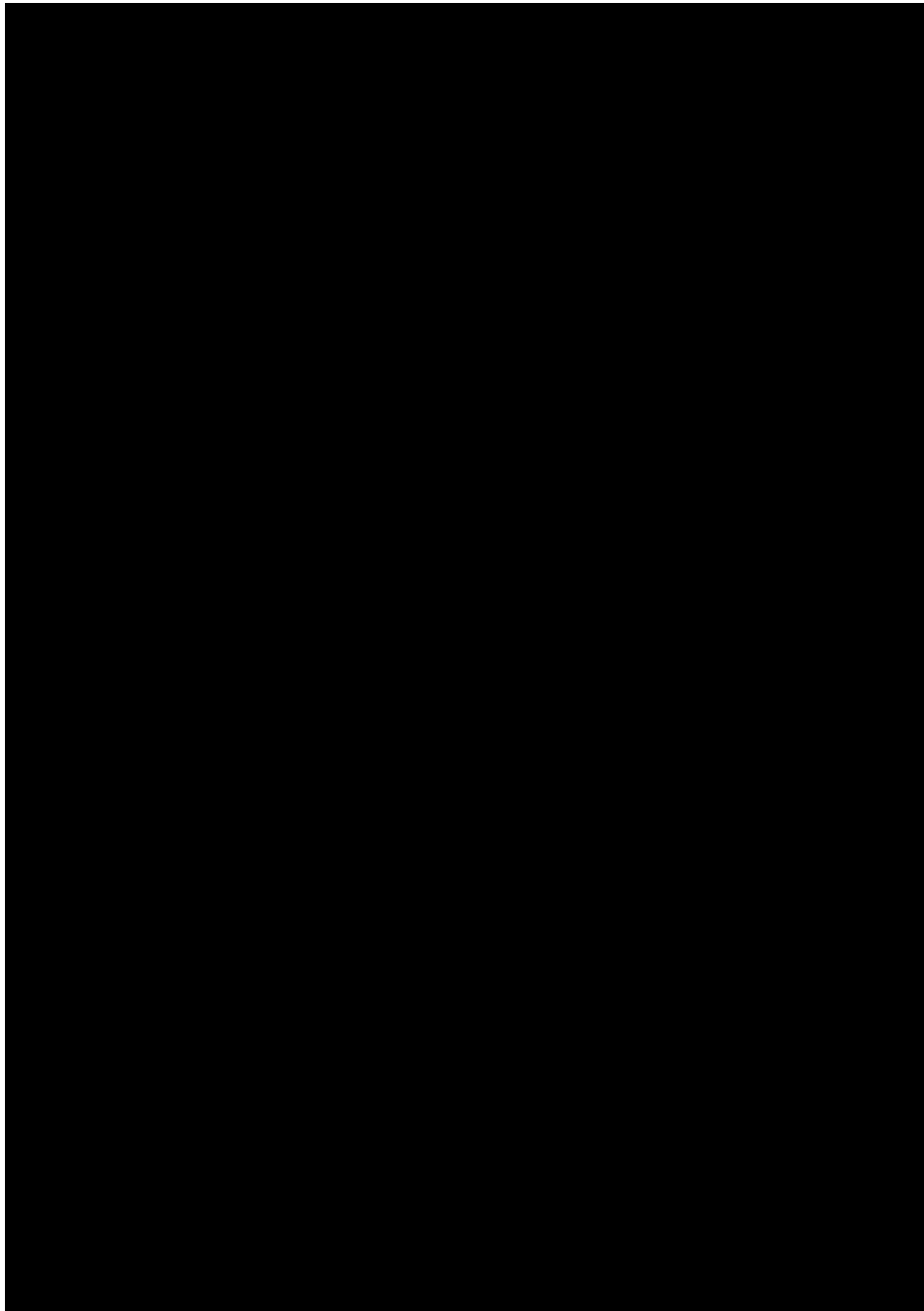
Purpose: To demobilise the ICP and restore the Plimmerton Boating Club site to normal operations

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	[REDACTED]	[REDACTED]	
Liaison Officer	Angus Holme-Moir	[REDACTED]	
4. Agency Representative		Cell Phone	Radio Ch
Lead Agency	Iwi [REDACTED] [REDACTED] [REDACTED] [REDACTED]	[REDACTED] [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] [REDACTED]	
Security (Social)	Michael McCarthy (Support) [REDACTED]	[REDACTED] [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] [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 Recovery	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																																			
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: ██████████		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]@police.govt.nz Backup - Maritime Unit (24/7)	Lady Elizabeth	[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, [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] – [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

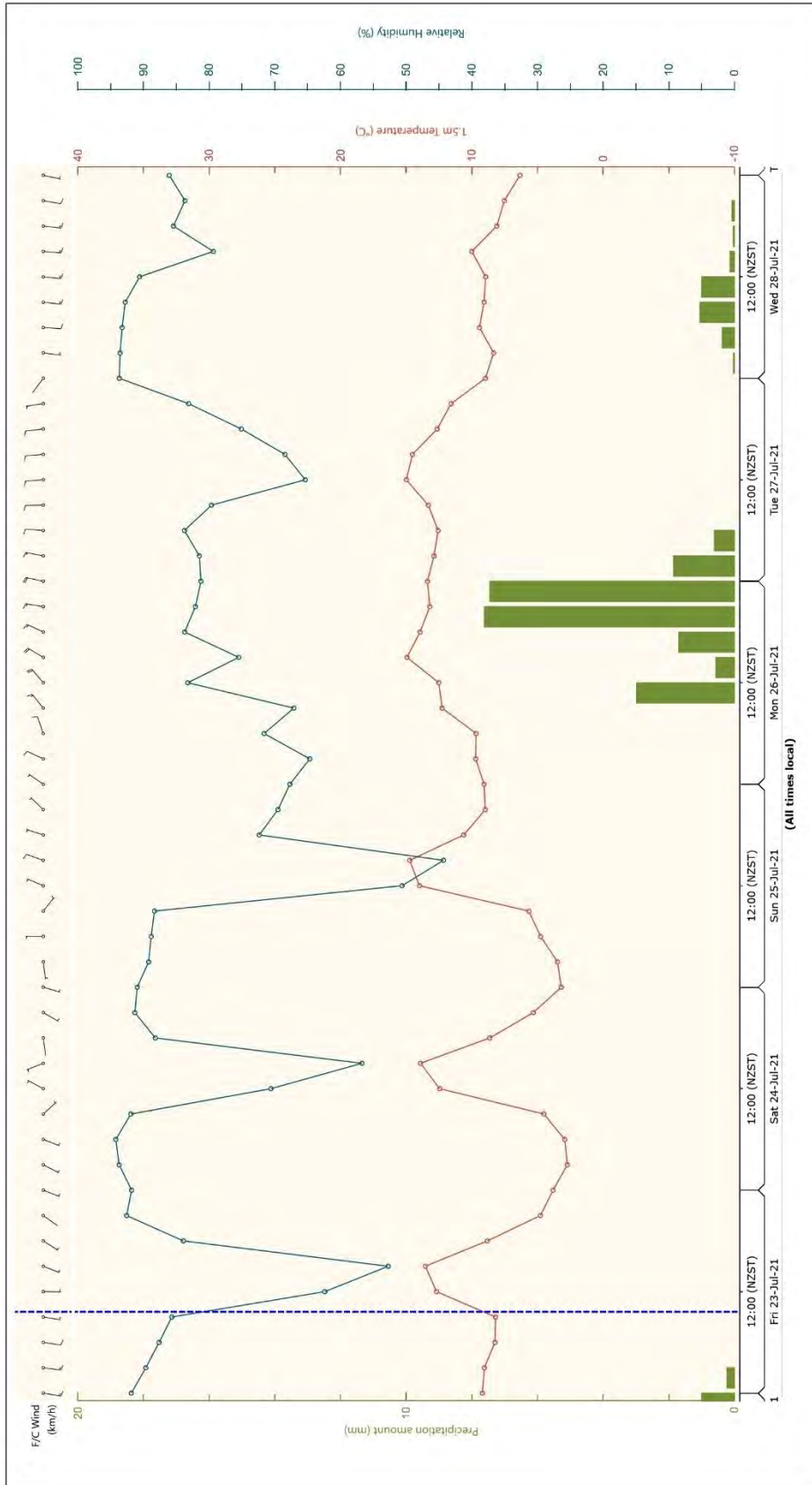
Rain: Scattered showers possible.

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
 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
RecoveryRecovery

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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

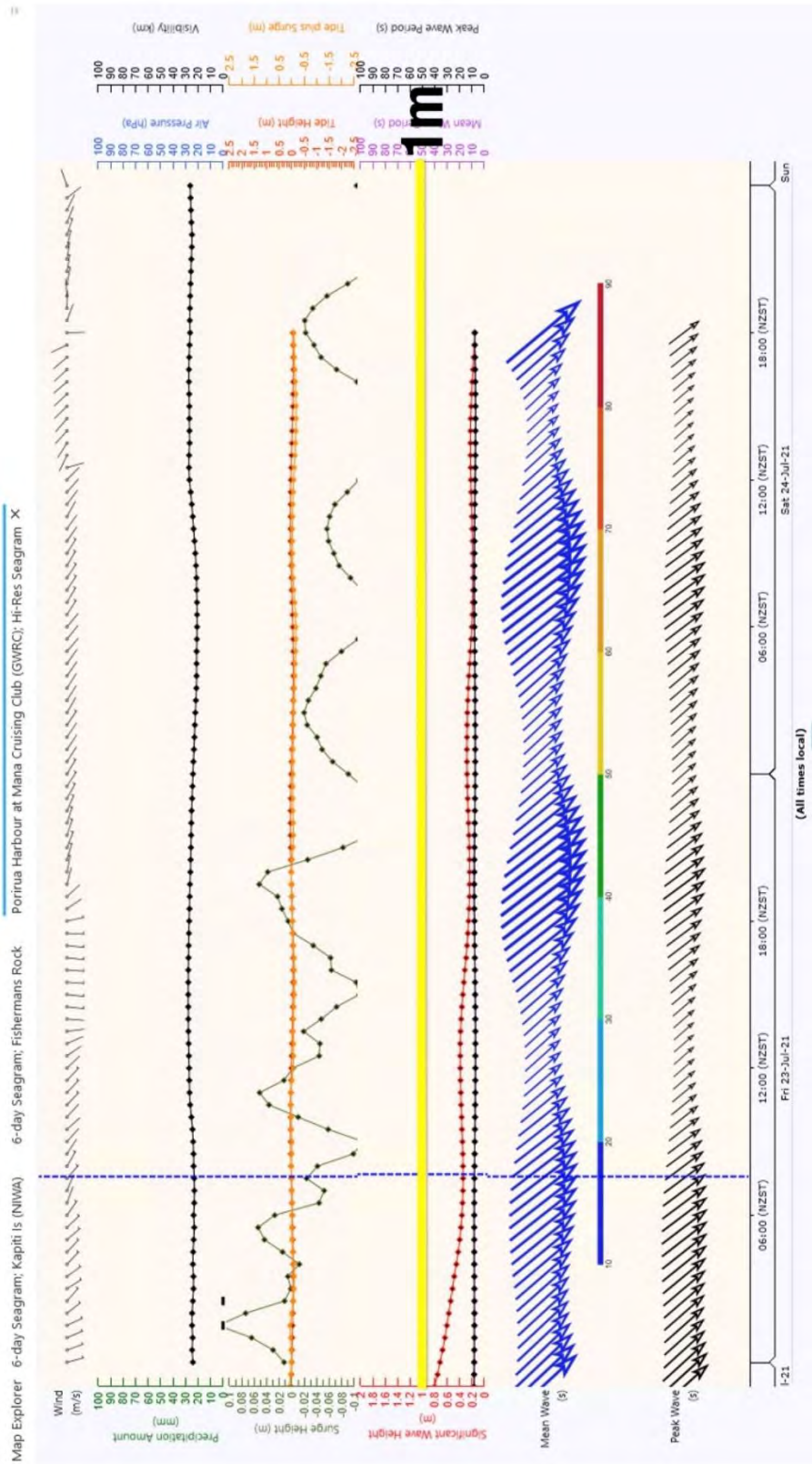
Mana / Porirua Harbour Tides Timetable

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**

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

NIWA Forecast 48 hour high resolution model

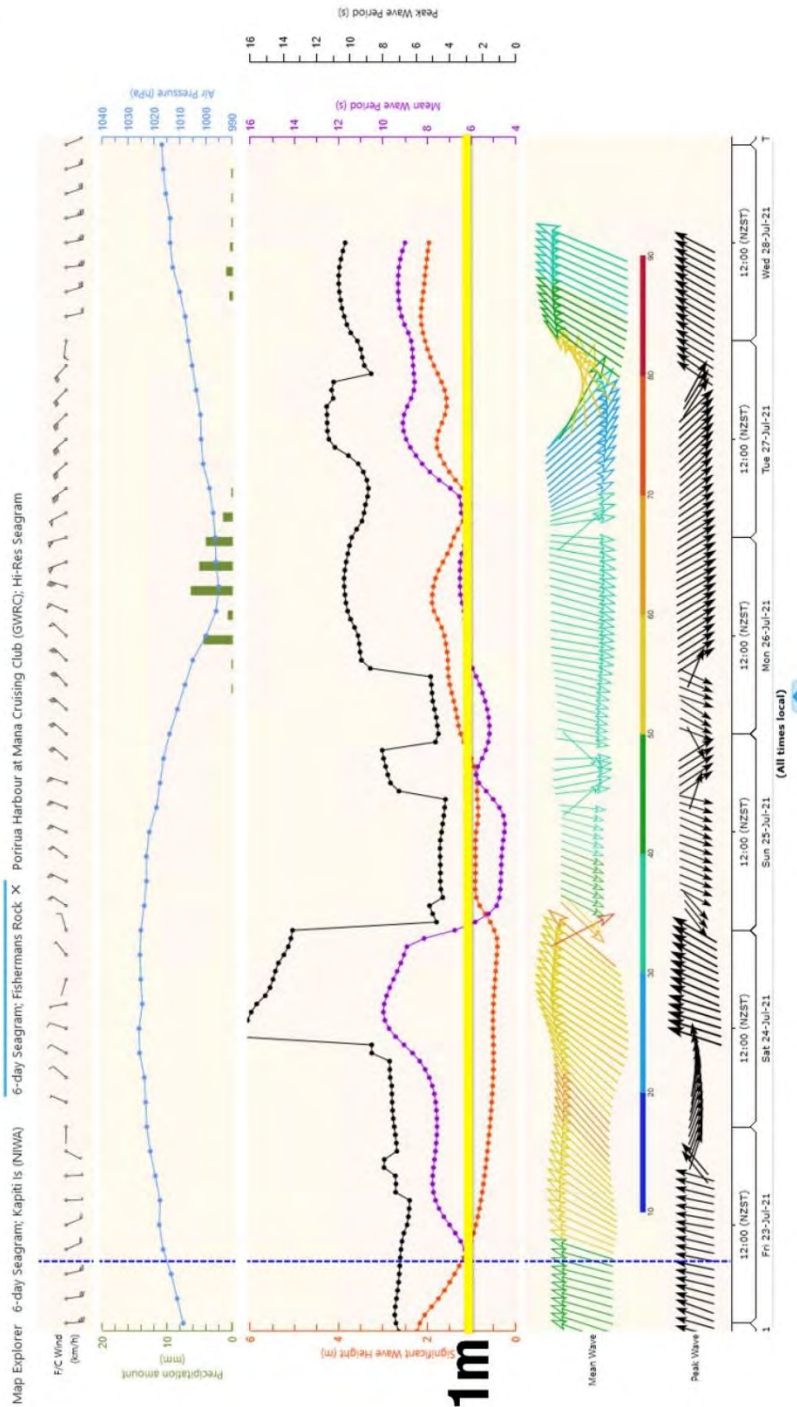


1. Incident Name
Plimmerton Orca Recovery

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

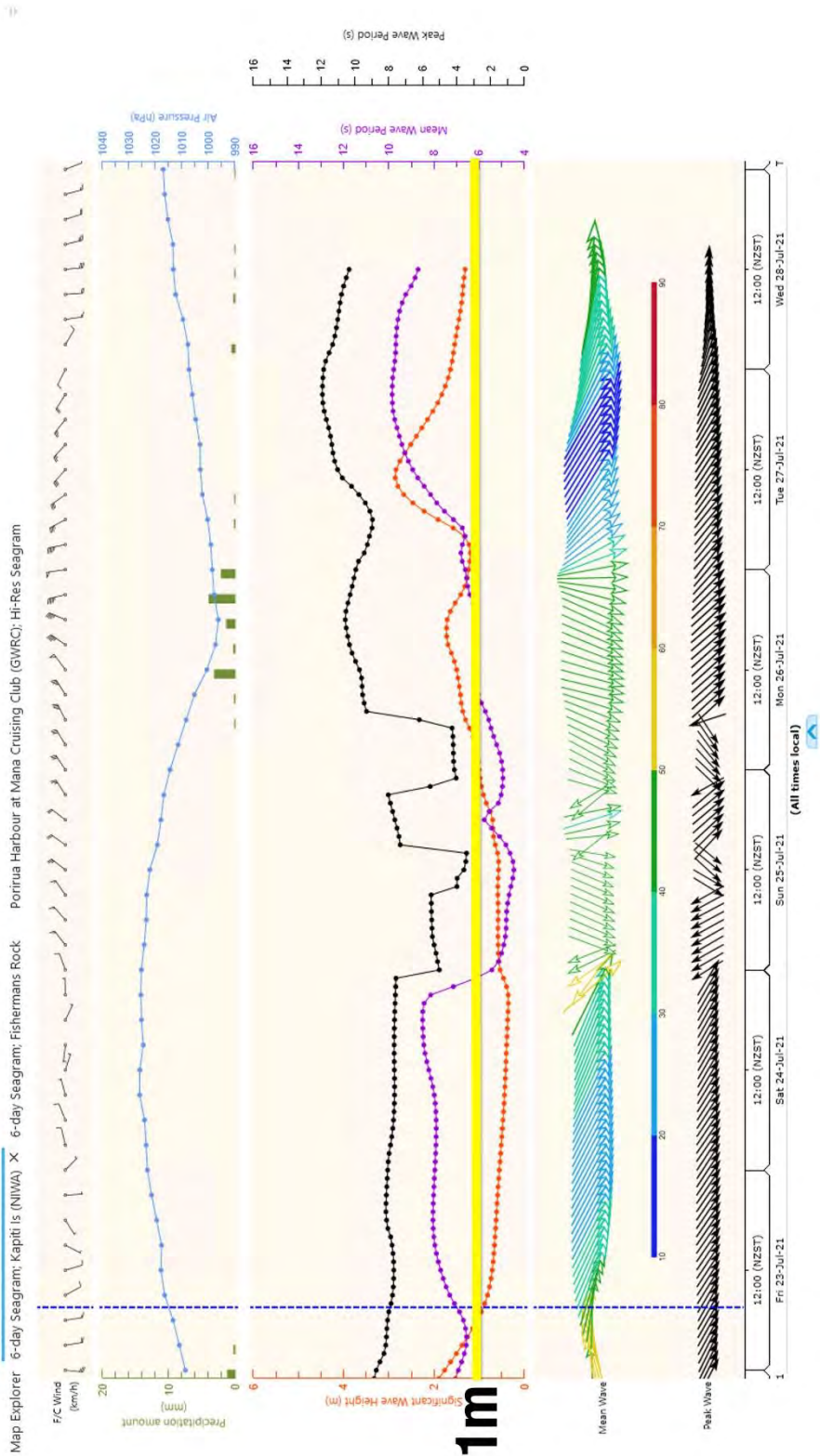
Seagrams

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.

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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.

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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 appliance/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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[REDACTED]

From: Kevin OConnor
Sent: Friday, 23 July 2021 9:34 pm
To: Elizabeth Heeg; L\Biodiversity Group Aquatic Unit
Cc: L\Biodiversity Group SLT
Subject: Re: Toa has passed

Kia ora everyone and what an impressive effort so many of you have made. Many thanks and very much appreciated , please try and relax now and enjoy the weekend
Nga mihi
Kevin

Get [Outlook for iOS](#)

From: Elizabeth Heeg <eheeg@doc.govt.nz>
Sent: Friday, July 23, 2021 9:29:47 PM
To: L\Biodiversity Group Aquatic Unit <BiodiversityGroupAquaticUnit@doc.govt.nz>
Cc: Kevin OConnor <koconnor@doc.govt.nz>; L\Biodiversity Group SLT <BiodiversityGroupSLT@doc.govt.nz>
Subject: Toa has passed

Kia ora te whanau
Sadly Toa the orca calf has passed. Thank you to everyone who helped out with the response and arohanui, his stranding was a tragedy.

We'll be doing some work in the coming weeks as follow up to the response.

Again, arohanui.

Ngā mihi
Elizabeth

Sent from Workspace ONE Boxer

[REDACTED]

From: Lou Sanson
Sent: Saturday, 24 July 2021 9:46 am
To: Jack Mace; Sarah Owen; Reg Kemper; Elizabeth Heeg; Ian Angus; Ingrid Visser; Kirstie Knowles; Dave Smith; [REDACTED]; Bronwyn Saunders
Cc: Kevin OConnor; Ginny Baddeley; Michael Slater
Subject: Toa Passing Away

Kia Ora

Sincere thanks for all your collective effort to save Toa. You all captured the hearts and minds of New Zealanders right across the nation to the wonder of mature and this young Orca.

We tried everything we could and in the end nature decided its course of action.

You have made us very proud to work for DOC in close relationship with Orca Research Trust .

We appreciate all your hard work and disappointment over the last 10 days.

Sincere thanks

Nga Mihi

Lou

Lou Sanson (he/him)
Director-General
Department of Conservation