







CASE STUDY – MV ENCHANTER



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Principal Advisor Training RCCNZ











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20 March 2022

Rescue Coordination Centre New Zealand (RCCNZ)









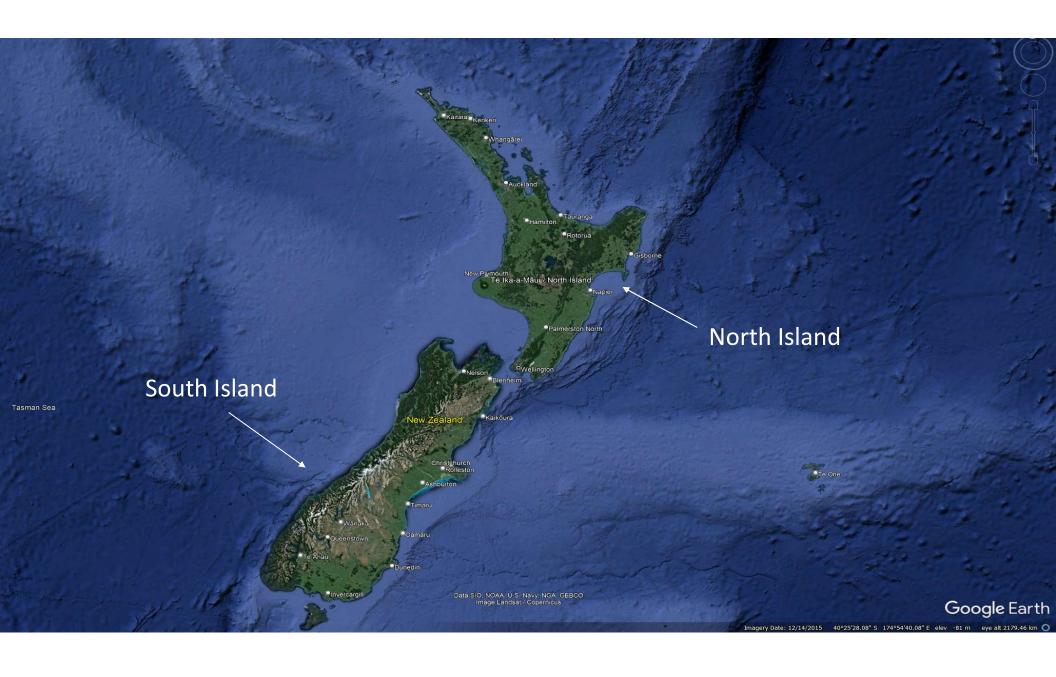
- Incident background / (what happened).
- RCCNZ's response

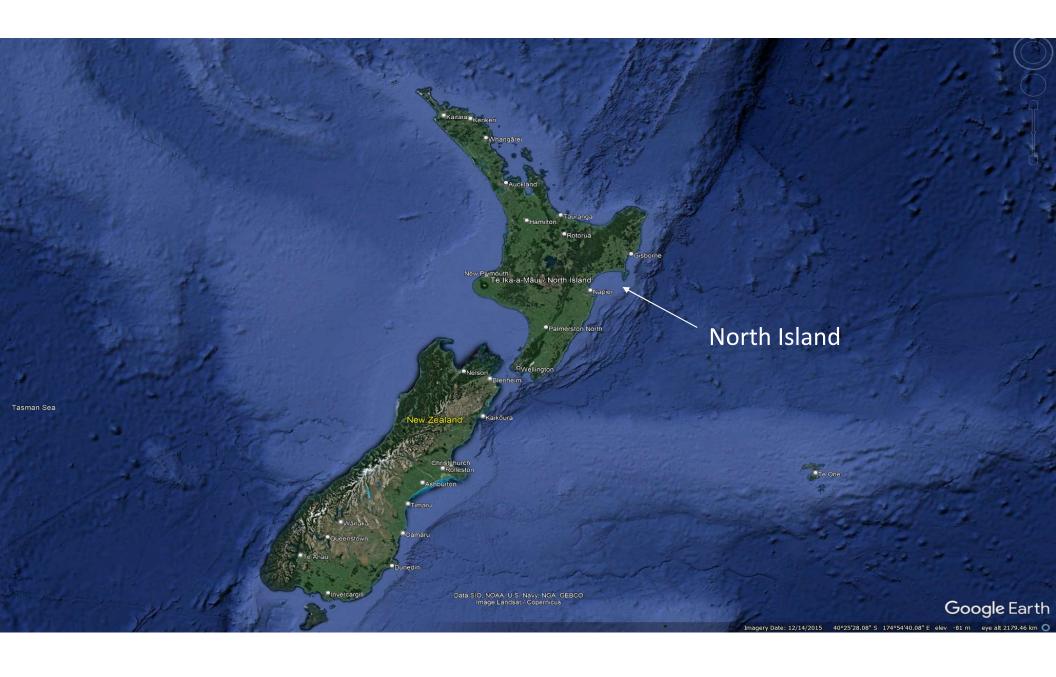
Group discussion

- Things that could have been done better;
- Things that went well; and
- Lessons learned & recommendations.

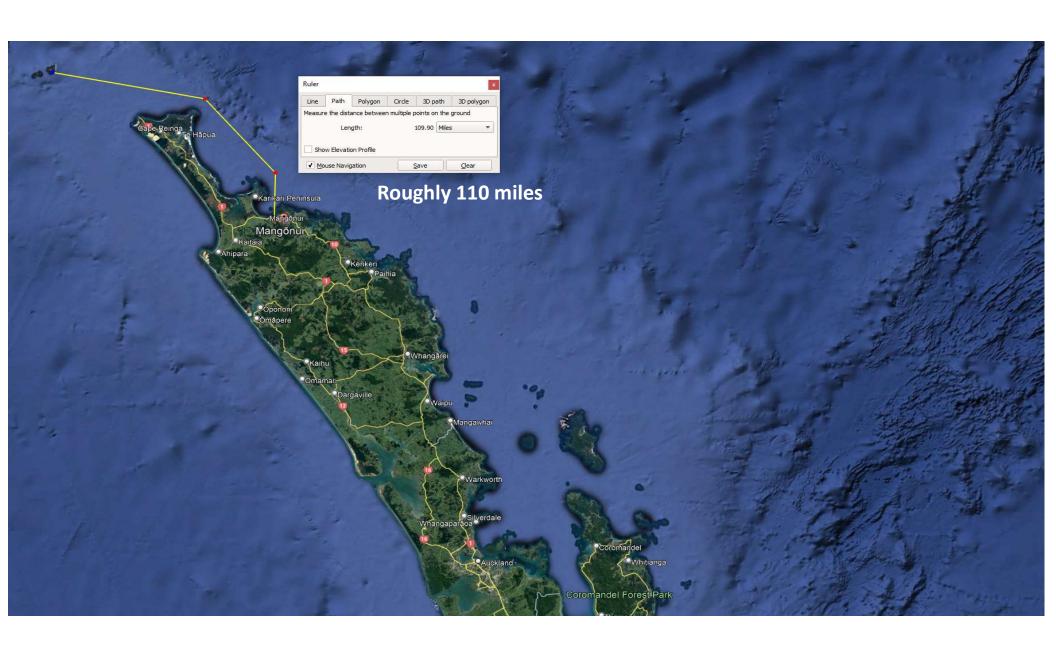


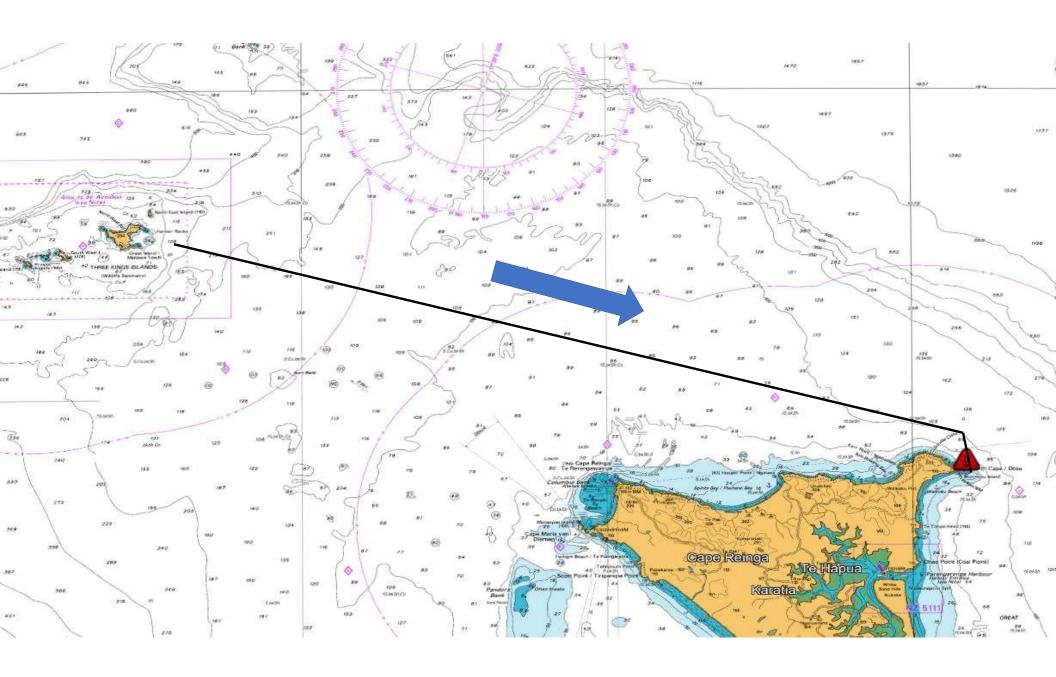


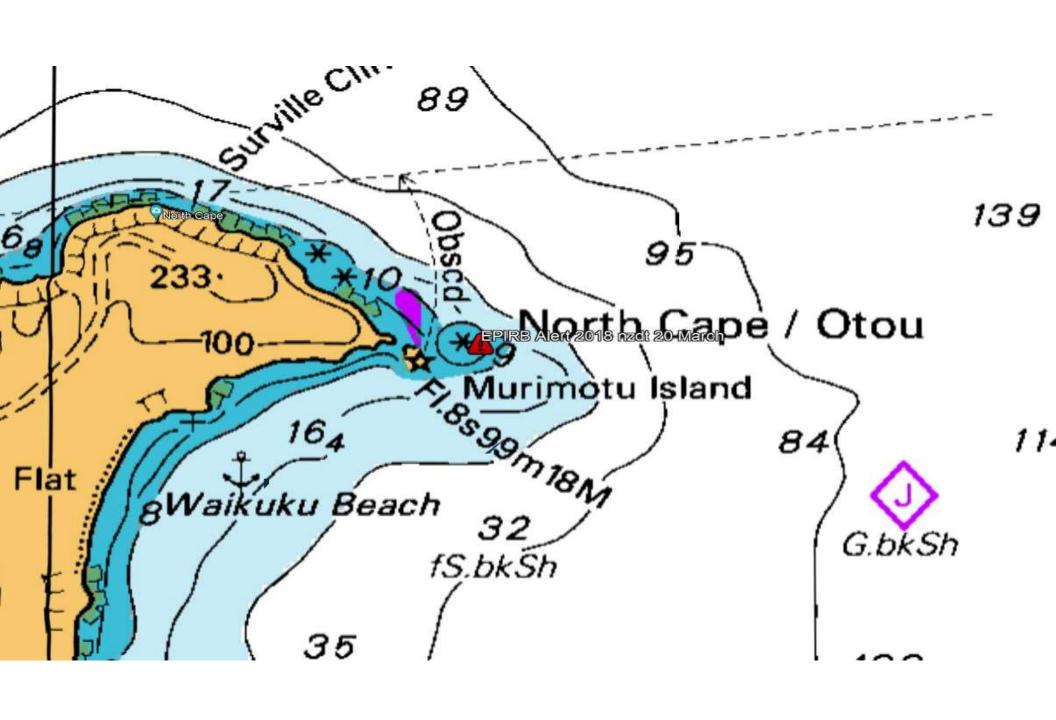




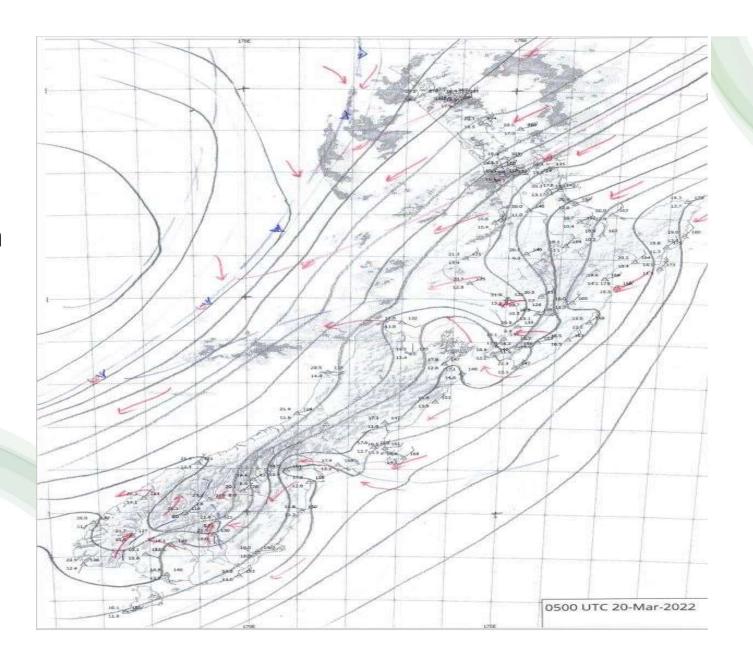








Weather 20 March 1800 LT











First 12 hours

- Initial Actions
- Planning
- Response











MOC (Maritime Operations Centre)

- Tasked with Distress broadcasts on VHF, HF and Satellite.
- Identify vessels of opportunity within 100 NM radius.
- Establish & maintain VHF Ch16 comms with Air and Marine

assets.







Australian Government

Australian Maritime Safety Authority





























Police On Scene Coordinator (OSC)

- 2054 hours Contacted Police and requested SAR Coordinator be urgently paged.
- 2107 hours Briefed Police SAR Coordinator.



• 2150 hours – Tasked to head North, find a suitable location for a Forward Base, discussed Police in OSC role, assist as required in the event there are casualties.









Coastguard Houhora



- 2035 hours Briefed CGNR, requested CG Houhora be paged.
- 2057 hours CG Houhora undertaking risk assessment.
- 2109 hours CG Houhora declined task likely be available for daylight task.





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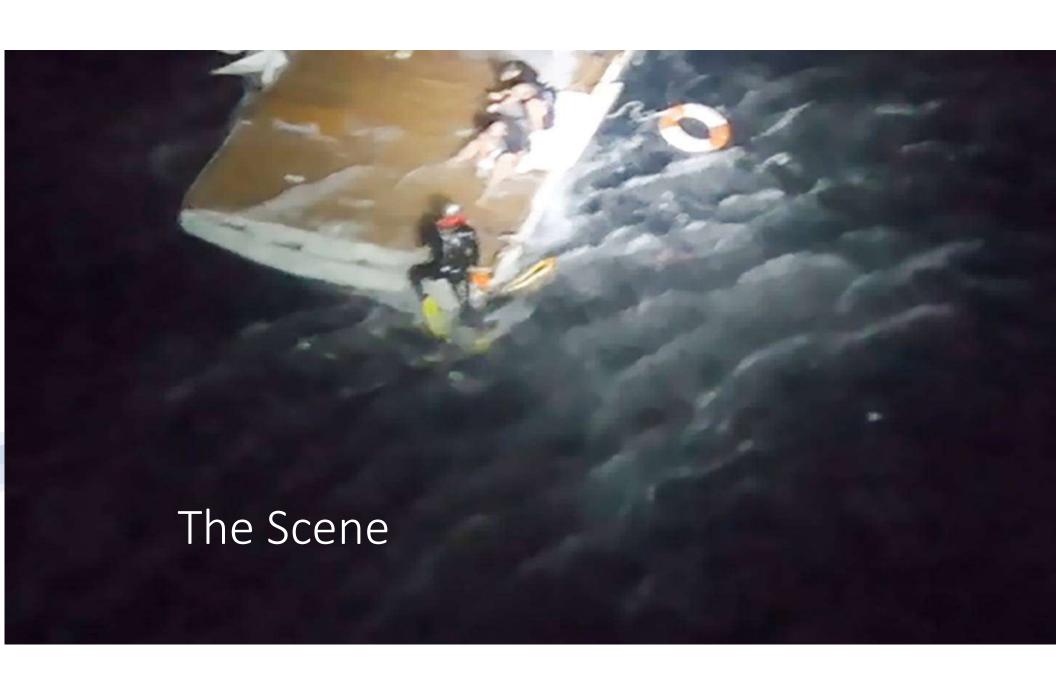






ZK-HQO (NEST Whangarei)

- 2039 hours Called, briefed and tasked NEST. Weather may prevent them getting to the location.
- 2110 hours Weather assessment plus trying to get a rescue swimmer, could take some time.
- 2205 hours Departed Whangarei.
- 2341 hours On scene at EPIRB position.
- 0027 hours Reported three survivors rescued, dropping off at the Forward Base.
- 0034 hours Reported heading back to scene, will have 15 to 20 mins on station then back to Kaitaia to refuel.
- 0108 hours <u>Two more survivors rescued</u>, en route Kaitaia for refuelling. <u>Survivors report seeing 2 deceased</u>, one under the hull and one amongst debris.
- 0133 hours Report from skipper at Kaitaia Hospital. No Lifejackets worn or liferaft deployed. Unable to do anymore due to lack of fuel and weather "turned to custard."



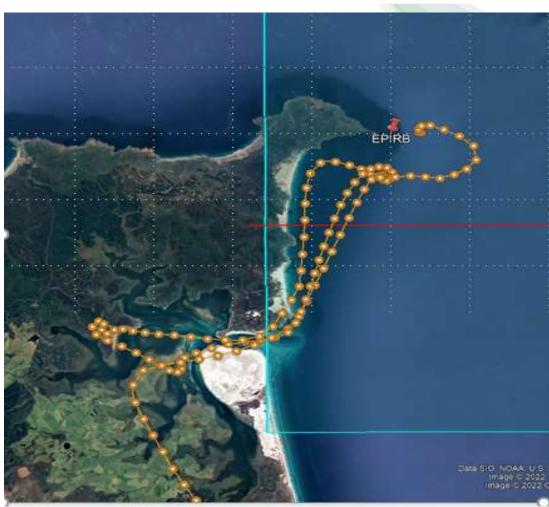




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ZK-HQO (NEST) 2315 – 0120LT







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Australian Maritime Safety Authority



ZK-IZB Auckland











ZK-IZB Auckland 0110 – 0255 LT

Recovered two bodies











FV Katrina

(15 M fishing boat)

- 2322 hours FV Katrina, ETA 8-10 hrs.
- 2346 hours via MOC on VHF Ch16
- 0612 hours In area searching debris field.











FV Florence Nightingale

(18m commercial fishing)

- 2322 hours responded en route, likely to be quicker than FV Katrina.
- 0238 hours ETA 0450 LT
- 0612 hours Located upside down hull, appeared to be sinking.









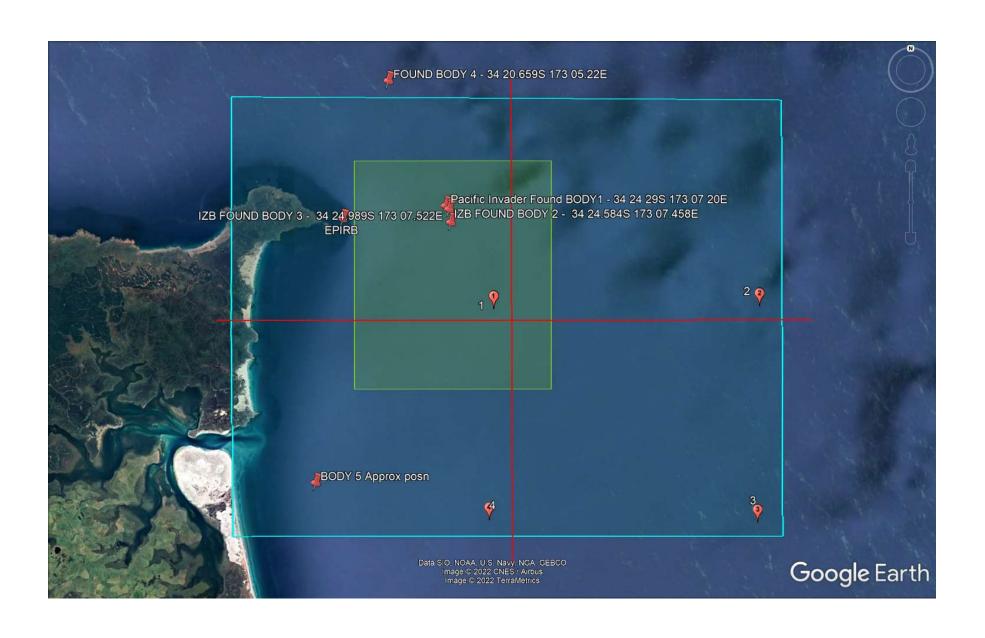


FV Pacific Invader

(15.1m charter vessel from same company as Enchanter)

- 2329 hours ETA from Mangonui 4 hours.
- 0000 hours Departed Mangonui.
- 0400 hours On scene.
- 0416 hours Located top cabin with EPIRB.
- 0712 hours Located a body.













P3K2 Orion

- 2208 hours Requested P3 Orion assistance Tasked to:
 - Transit to LKP, establish comms,
 - Ascertain nature of distress and
 - Provide assistance as required.
- 2233 hours Tasked accepted by 5 Squadron,
- **0056hours** KRC986 departed Whenuapai.
- 0125 hours KRC986 on scene.
- 0742hours KRC896 RTB.











HMNZS TAUPO

- 2125 hours Called to advise were available
- Position was in the Hauraki Gulf, 185NM SE of position, ETA 10 to 12 hours
- 2153 hours Departed ETA 1050 hours Monday 21 March









Monday 21 March - Day 1 Searching

At approx. 09:00 NZT Monday 2 persons missing

Marine assets

- Coastguard Houhora
- HMNZS TAUPO
- PACIFIC INVADER
- KATRINA
- FLORENCE NIGHTINGALE

Air assets

- ZK-HLH
- ZK-HZZ
- ZK-HWW
- RNZAF P3

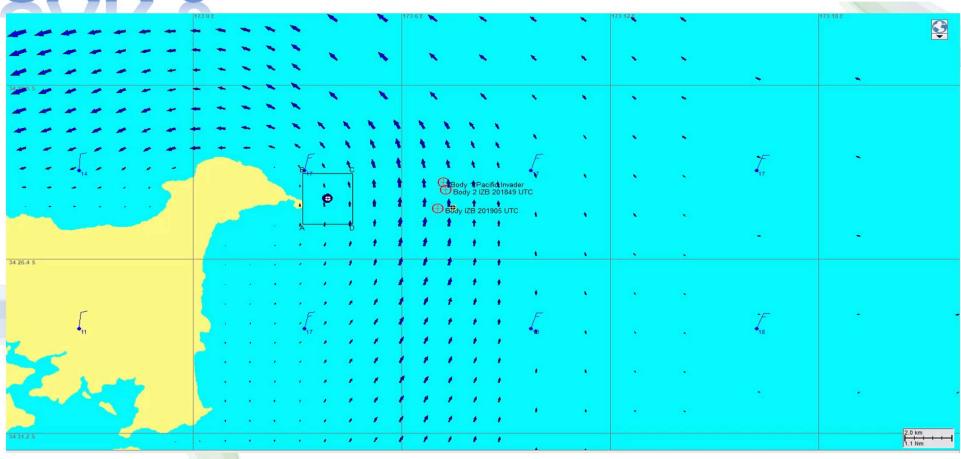




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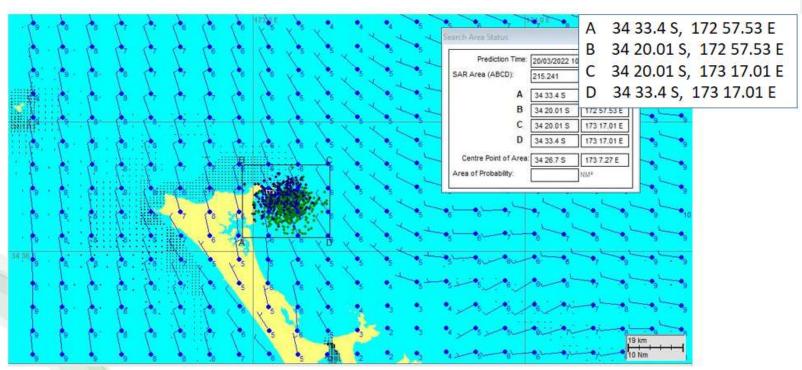








SAR Area At 10:18:00 PM 20/03/2022 (GMT)



Drift start position based on EPIRB position – Drift start time 202018 Local time, valid until datum 201018 Local. Targets: PIW (blue dots) and life raft (green dots).

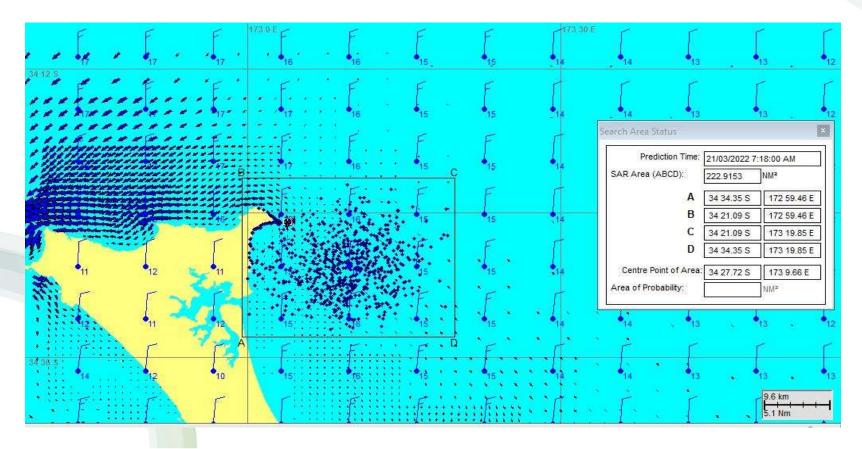








SAR Area At 20:18 (NZT) Monday 21 March







Australian Government





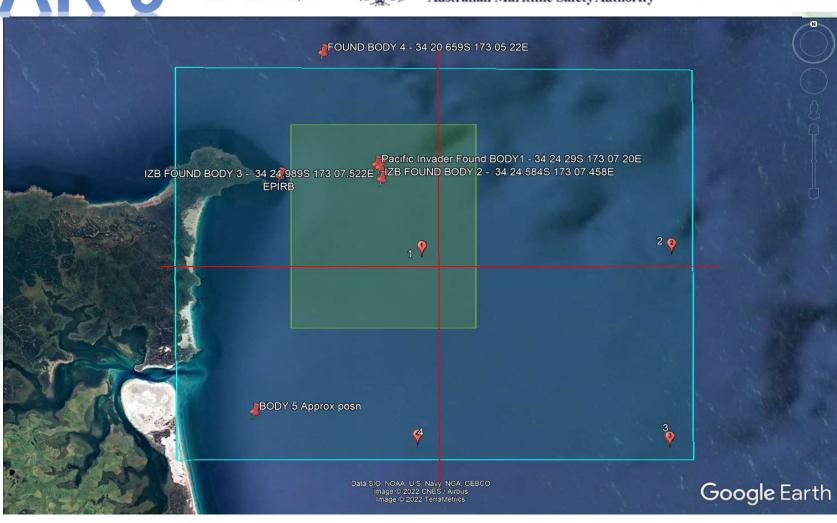






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Allocated Aviation Search areas



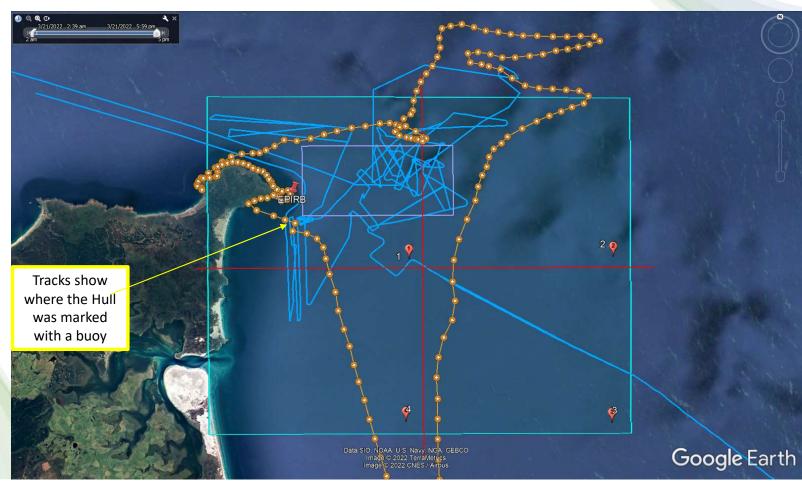








All Available Tracks of Marine assets











Overview of all Air asset tracks











SMC Day 1 points

- The entire search area hadn't been effectively searched.
- Possibility of missing body still in hull, confirmed by crewman's statement;
- Survivability model Cold water emersion tables & Dr Charmaine Tate;
- Fuel There was very limited fuel in the area and this was becoming a real problem.









NZ Police National Dive Squad











Tuesday 22 March - Day 2 Searching

1 person missing

Two operations running

- 1. Investigation of hull for last person.
- 2. Search of defined search area for last person in case they were in the water.

Survivability assessments showed that by end of day 2 (Tuesday) would be the last chance of being found alive in the conditions.









Tuesday 22 March - Day 2 Searching

Marine assets

- Coastguard Houhora
- PACIFIC INVADER and Police National Dive Squad
- KEILA
- MATAITAI

Air assets

- ZK-HLH
- ZK-HZZ
- ZK-HWW
- ZK-IWT
- ZK-CGD

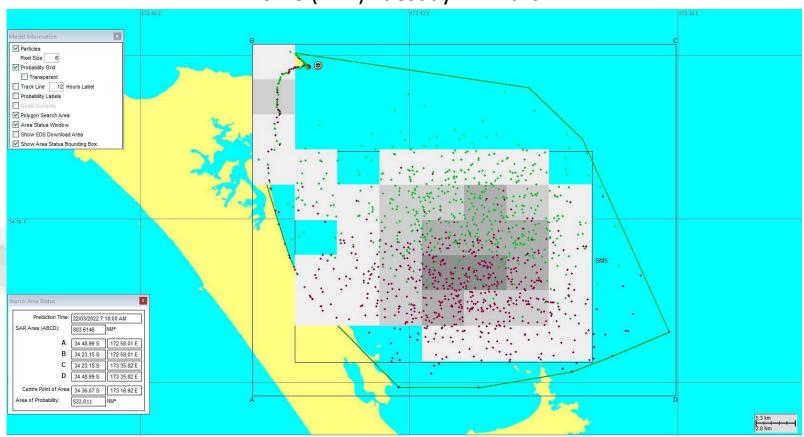








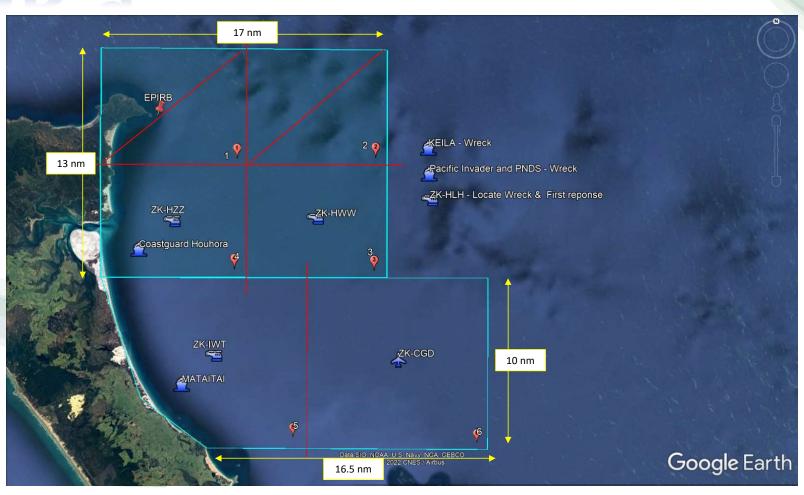
SAR Area At 07:18 (GMT) Tuesday 22 March 20:18 (NZT) Tuesday 22 March



















ZK-HZZ Skywork

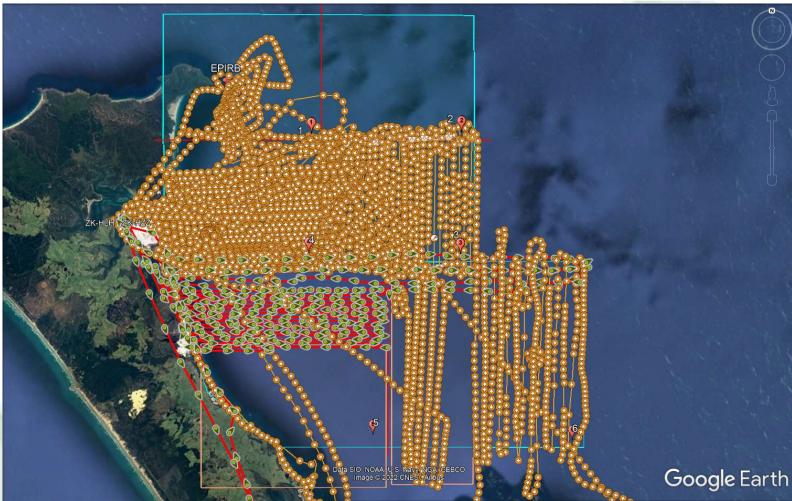








All search tracks from Day 2

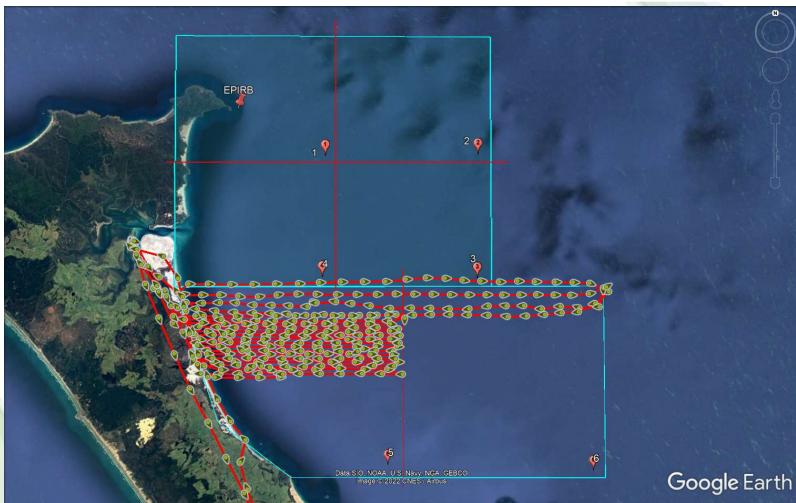








ZK-IWT



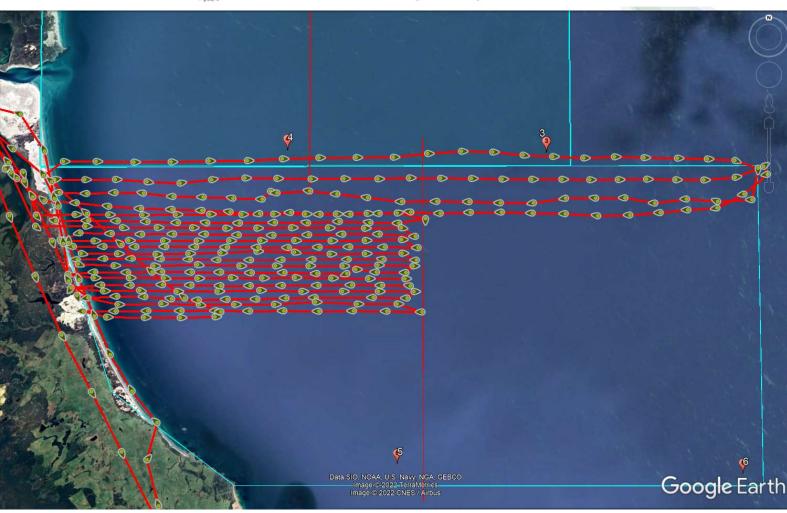




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ZK-IWT

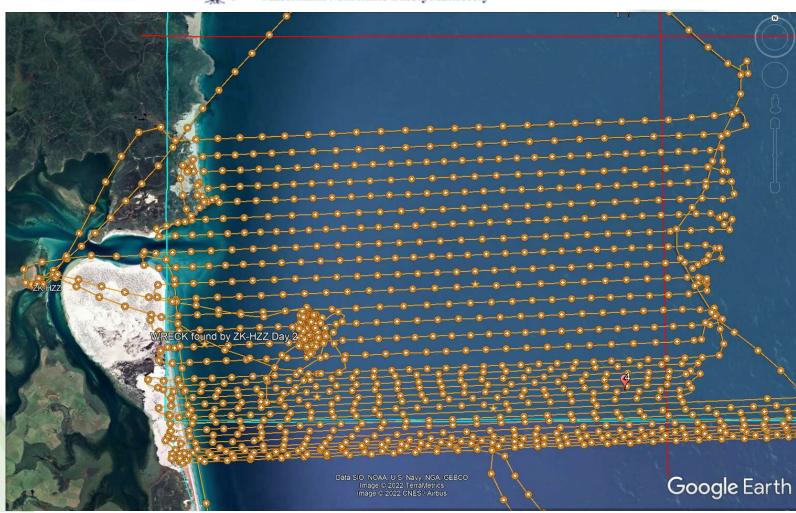








ZK-HZZ Skywork











Final recovery

- At approx. 1615 the dive squad sighted the final body inside the upturned hull.
- The body was recovered safely at approx.
 1700.









GROUP DISCUSSION











Things that went well

Police OSC and staging area set up

Some assets spoke up when they saw a mistake or queried an RCCNZ decision

When assets were searching properly, patterns were excellent

Cooperation from NZDF

Dive squad operations

Cooperation between search assets – eg about fuel

Media enquires









Things that could have been done better

RCCNZ should have assigned an asset to standby the wreck overnight
Assets should have consulted with RCCNZ before changing search tasks
RCCNZ should give more thorough briefings when using SAR terminology eg OSC
Better briefings regarding aviation frequencies.









Lessons learned

Stay with wreck overnight

SRUs to stick to the plan and follow instructions

Food, fatigue and SRU welfare considerations

RCCNZ to consider assets time availability at start of search – ask early in tasking process

RCCNZ to call more officers in to support the operation









Recommendations from review

RCCNZ to liaise and train with other agencies so common SAR terms are understood

Appoint ACO before aircraft are in the air

RCCNZ won't use aircraft unless there is tracking and it is visible to RCCNZ Further planning regarding fuel for the Far North required.









QUESTIONS

