



RV Investigator Voyage Plan

VOYAGE #:		IN2024_T03
Version Number:		Final
Voyage title:		2024 Mid-life refit transit from Singapore to Hobart
Onboarding		Singapore, Saturday September 7 th , 2024
Sea Trials		Singapore, 8 th September
Depart: for Transit		Monday September 9 th , 2024 (subject to successful completion of sea trial)
Arrival		Hobart, Thursday September 26 th , 2024
Demobilisation:		Hobart, Thursday September 26 th , 2024
Voyage Delivery Coordinator:		Claire Grubb
Voyage Manager:		Rod Palmer

Voyage objectives

The primary objective of voyage IN2024_T03 is the safe and timely transit of RV Investigator from Singapore to Hobart following on from the dry dock and mid-life refit works. The transit is direct, with no time available for operations that occupy ship time. There will be two days of sea-trials ahead of departure.

Sea Trials ahead of Departure (8th September)

Date	Description	Time Period	Comments
8/09	Sea trials	1 day	<ul style="list-style-type: none">• Load test main propulsion systems and bow thruster 2 hours• VS Drive system testing for main propulsion motors at full load remote • Carry out DP trials for LR Class survey 1 hr.• Swing compass just off the berth• V-Sat test - figure of eight, if possible. Technician to get off at anchorage.

Transit (Commencing 9th September)

Throughout the transit, the CSIRO technical teams will be readying the ship for its return to Hobart.

DAP:

- Recommission equipment previously removed during preparations for dry dock.
- Recommission business and scientific systems shutdown during preparations for dry dock.
- Data acquisition and processing activities once in international waters.
- Assist GSM, SIT and Crew as required.
- Opportunistic DAP project work as time permits.

SIT:

- Transiting:
 - Assisting GSM and DAP with testing new systems as required,
 - Other tasks as required
- Australian waters:
 - Operation and monitoring of weather station, other met gear and weather radar
 - Operation and monitoring of Radon detector
 - Operation and monitoring of underway seawater systems and daily maintenance
 - Rectification of faults as required.

GSM: Required to collect data when we reach international waters. The personnel will be setting up systems that interface with the new echosounders, documenting and debugging all the new systems.

Project: Filming vessel at sea (Matt Marrison)

Updated aerial footage of RV *Investigator* at sea will be captured as the vessel passes off Fremantle. This will be captured using a helicopter while the vessel is at a relatively close distance to shore in the vicinity of Fremantle.

Activity will require coordination and communications between ship and helicopter pilot. Minimal disruption to vessel heading and track is anticipated.

Activity is likely to involve < 1 hour filming but will be scheduled with consideration for contingency, as filming will require appropriate lighting and weather conditions being available. Preference is for filming in daylight hours at a minimum of 2 hours from sunrise or sunset.

NOTE: Final confirmation of this going ahead will be when departure day/time is certain, and an accurate ETA can be calculated.

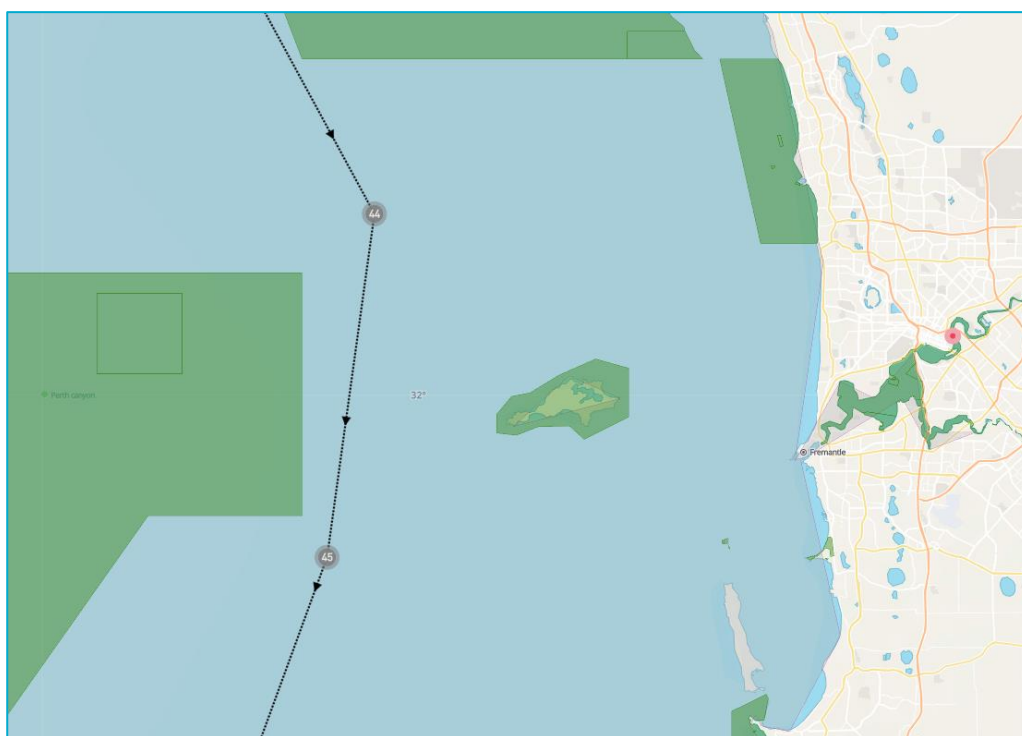


Figure 1: Route deviation to Fremantle

Voyage track

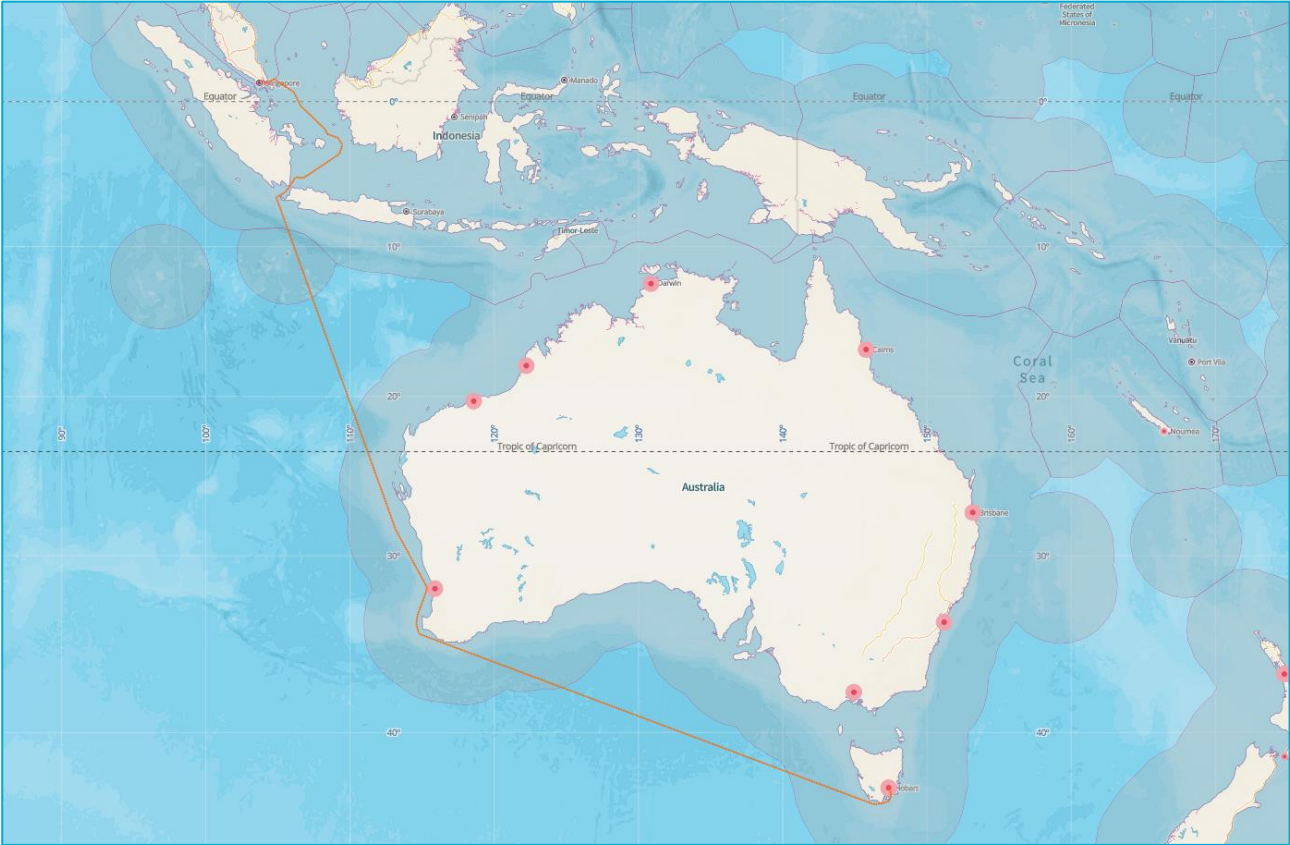


Figure 2: Overall transit route



Figure 3: Zoom of route through Selat Sunda

Waypoints

Voyage track was created by MMA Offshore.

Waypoint Name	Latitude (DDM)	Longitude (DDM)
Drydock	01° 27.85 N	103° 49.45 E
Berth 12A	01° 27.98 N	103° 49.50 E
Berth 12	01° 28.20 N	103° 49.59 E
Service Pier	01° 28.38 N	103° 49.50 E
BY Sembawang	01° 28.51 N	103° 49.56 E
Service Pier 22	01° 28.42 N	103° 49.82 E
BY Lavis	01° 27.99 N	103° 50.92 E
BY Masai	01° 27.49 N	103° 51.90 E
Pulau Barat	01° 26.20 N	103° 52.99 E
Pulau Timor	01° 25.60 N	103° 53.73 E
Johor Ferry termi	01° 25.51 N	103° 54.97 E
Pulau Ketam	01° 23.39 N	103° 57.27 E
South Ubin	01° 23.60 N	103° 58.15 E
Palau Sekudu	01° 23.91 N	103° 58.88 E
Changi Aeronautic	01° 23.75 N	104° 00.15 E
Bn Knees	01° 19.97 N	104° 04.58 E
Changi GP Anchora	01° 19.31 N	104° 03.10 E
Radio Call point	01° 18.88 N	104° 05.89 E
PBG	01° 17.64 N	104° 06.39 E
TSS Outbound	01° 15.67 N	104° 06.80 E
TSS Outbound East	01° 16.63 N	104° 19.57 E
TSS Exit	01° 23.77 N	104° 27.62 E
Eastern Bank	01° 30.09 N	104° 35.39 E
ASL 1	01° 32.48 N	104° 45.91 E
ASL 1	00° 38.79 N	106° 06.35 E
ASL 1	00° 18.05 S	106° 34.61 E
Pulau Serutu	01° 53.49 S	108° 14.59 E
Selat Karimata	02° 15.30 S	108° 26.64 E
Selat Karimata	02° 30.19 S	109° 08.50 E
Laut Jawa	03° 00.04 S	109° 28.53 E
Gosong Mampanggo	03° 38.25 S	109° 15.01 E
Java Sea	05° 12.11 S	106° 54.42 E
Beting Raja	05° 16.95 S	106° 44.17 E
Prod Fanny-02	05° 16.96 S	106° 27.54 E
Prod Krisna-C	05° 14.80 S	106° 12.25 E
Radio Call Point	05° 44.10 S	105° 53.30 E
TSS ENTER	05° 48.71 S	105° 50.98 E
TSS Panjurit Isla	05° 53.46 S	105° 48.23 E
TSS South	05° 54.53 S	105° 47.62 E
TSS Exit	05° 56.60 S	105° 45.71 E
Krakatau Island	06° 16.22 S	105° 30.23 E
Panaitan Island	06° 36.57 S	104° 53.02 E
Waypoint 43	28° 26.08 S	113° 10.33 E
Fremantle heli	31° 51.06 S	115° 19.23 E

Waypoint 45	32° 08.06 S	115° 16.46 E
Waypoint 46	33° 30.79 S	114° 40.46 E
Cape Mentelle TSS	33° 59.66 S	114° 36.26 E
Waypoint 48	34° 09.52 S	114° 38.10 E
Cape Leeuwin TSS	34° 31.09 S	114° 44.94 E
Cape Leeuwin Exit	34° 36.94 S	114° 54.95 E
Needle Rocks	43° 42.09 S	146° 15.20 E
Mewstone	43° 42.19 S	146° 22.25 E
Whale Head	43° 40.23 S	146° 53.26 E
The Friars	43° 32.75 S	147° 23.26 E
Cape Queen Elizab	43° 15.06 S	147° 30.57 E
Storm Bay	43° 06.87 S	147° 29.82 E
Iron Pot	43° 03.69 S	147° 23.44 E
White Rock	42° 58.58 S	147° 22.50 E
HBA PBG	42° 55.41 S	147° 22.97 E
Garrow	42° 54.84 S	147° 23.05 E
Battery Pt	42° 53.03 S	147° 20.70 E
Sullivans Cove	42° 53.03 S	147° 20.31 E
PW4	42° 53.19 S	147° 20.36 E

Permits

The ship will transit through multiple Australian Marine Parks. These are listed below with each permit available in hardcopy on the bridge

Northwest Network

- Gascoyne Marine Park
- Carnarvon Canyon


Southwest Network

- Abrolhos Marine Park
- Perth Canyon Marine Park
- Southwest Corner Marine Park
- Eastern Recherche Marine Park

Southeast Network

- Tasman Fracture network

Signature

Your name	Sam Hinton
Title	Ship Management Program Director
Signature	
Date:	27/08/2026