

# Solomon Trader – Australian and New Zealand Response



Australian Government  
Australian Maritime Safety Authority



Andrew Griffiths - Senior Advisor, Incident Planning  
and Preparedness, AMSA

Mick Courtneil - MPRS Deputy Manager (Training  
and Exercises), Maritime New Zealand



- Summary
- Timelines
- Intel
- Planning
- Mission
- Execution
- Operational Complexities
- Key Observations
- Questions







**Australian Government**

**Bureau of Meteorology**



**Australian Government**

**Department of Foreign Affairs and Trade**



**PACPLAN**

PACIFIC ISLANDS REGIONAL  
MARINE SPILL CONTINGENCY PLAN  
2013



**Department of  
Transport**



## Summary of Australian/NZ Assistance

1. AMSA shoreline assessment team
2. Daily helicopter flyovers
3. Three C-17s worth of equipment
4. Chartering ships to Rennell
5. Engaging LOC
6. Protective equipment for SIG OSOCC team
7. Two-week oil collection operation (20+ experts)
8. Joint front to commercial entities in Honiara
9. Diplomatic representation in Seoul and Hong Kong
10. Financial contribution to EDA
11. Facilitated legal services of Clyde & Co



**Australian Government**

**Attorney-General's Department  
Emergency Management Australia**



**Australian Government**

**Australian Maritime Safety Authority**



**TACTICAL  
MARITIME  
SOLUTIONS**





# – the Australian Team Challenge



## Timeline to start of operations - Feb 2019

- 5<sup>th</sup> Grounded in Kangava Bay during TC Oma
- 13<sup>th</sup> SIG-RCC ask AMSA for oil modelling advice
- 14<sup>th</sup> AMSA supply SI-RCC with spill modelling
- 16<sup>th</sup> DFaT request of AMSA to prepare to assist
- 16<sup>th</sup> AMSA starts logistical planning for equipment deployment
- 17<sup>th</sup> AMSA liaison deployed to Honiara
- 18<sup>th</sup> AMSA overflight imagery & intelligence received – oil sheens clearly visible on water to bow and port side
- 19<sup>th</sup> First of 3 RAAF C17 flights of equipment
- 24<sup>th</sup> AMSA aerial obs confirm significant oil releases
- 25<sup>th</sup> SIG formally seeks Australian assistance
- 27<sup>th</sup> DFaT approves AMSA operational response.



12/2/19 – Local's media photo



# Gathering Intelligence

18/2/19 – AMSA Challenger Flight



18 Feb 2019 – NDMO inspection

24/2/19 – AMSA Aerial Obs





## Things we want to know to plan and respond effectively

- Key stakeholders
- Location of the incident
- Integrity of the vessel
- Type of oil
- How much oil
- Is the leak ongoing
- Seasons weather
- Sensitive sites in the area
- Impacts on locals
- Where might the oil go
- Where is the oil going
- What the oil will do in the environment







A = area approx. 5 ha (50,000m<sup>2</sup>), with 30% true colour oil (irrespective of source – as visibly presenting) @ 200t/km<sup>2</sup> (Bonn cat 5) gives an estimate of 200t x 5% x .3 = 3t or 3000l visible (*likely primarily the heavy oils*)

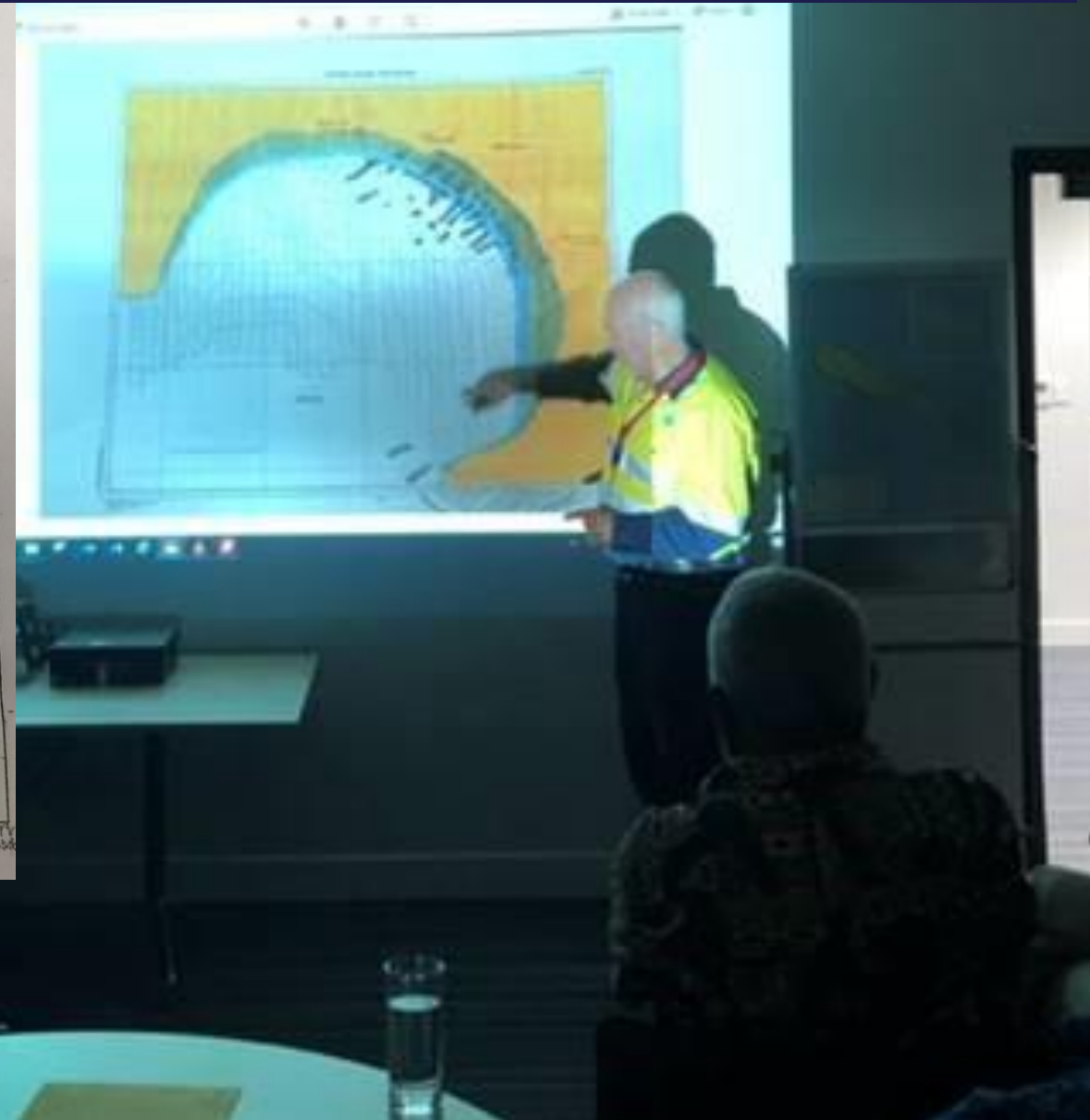
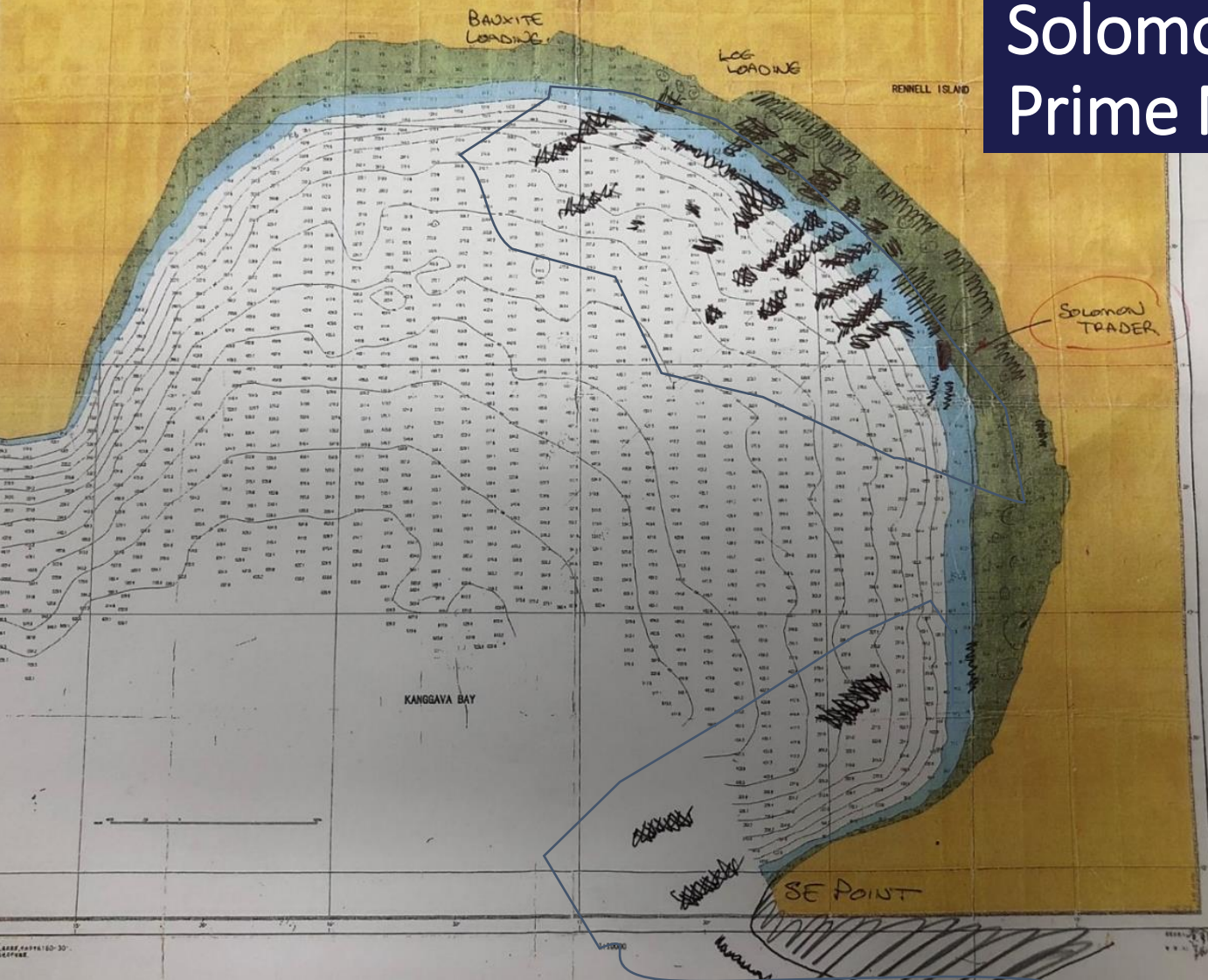
B = area approx. 2 ha metallic sheen – volume 10l. (*likely primarily the lighter diesel*)

C = approx. 6ha (60000ms) with 5% true colour oil visible @200t/km<sup>2</sup> gives a volume estimate of 200t x 6% x .05 = 0.6t or 600l visible (*likely primarily the heavy oils*)

Total estimated in image = 3600l



# Solomon Trader – Presentation to the Prime Minister



24/2/19 – AMSA Aerial Obs



# Solomon Trader – Logistics

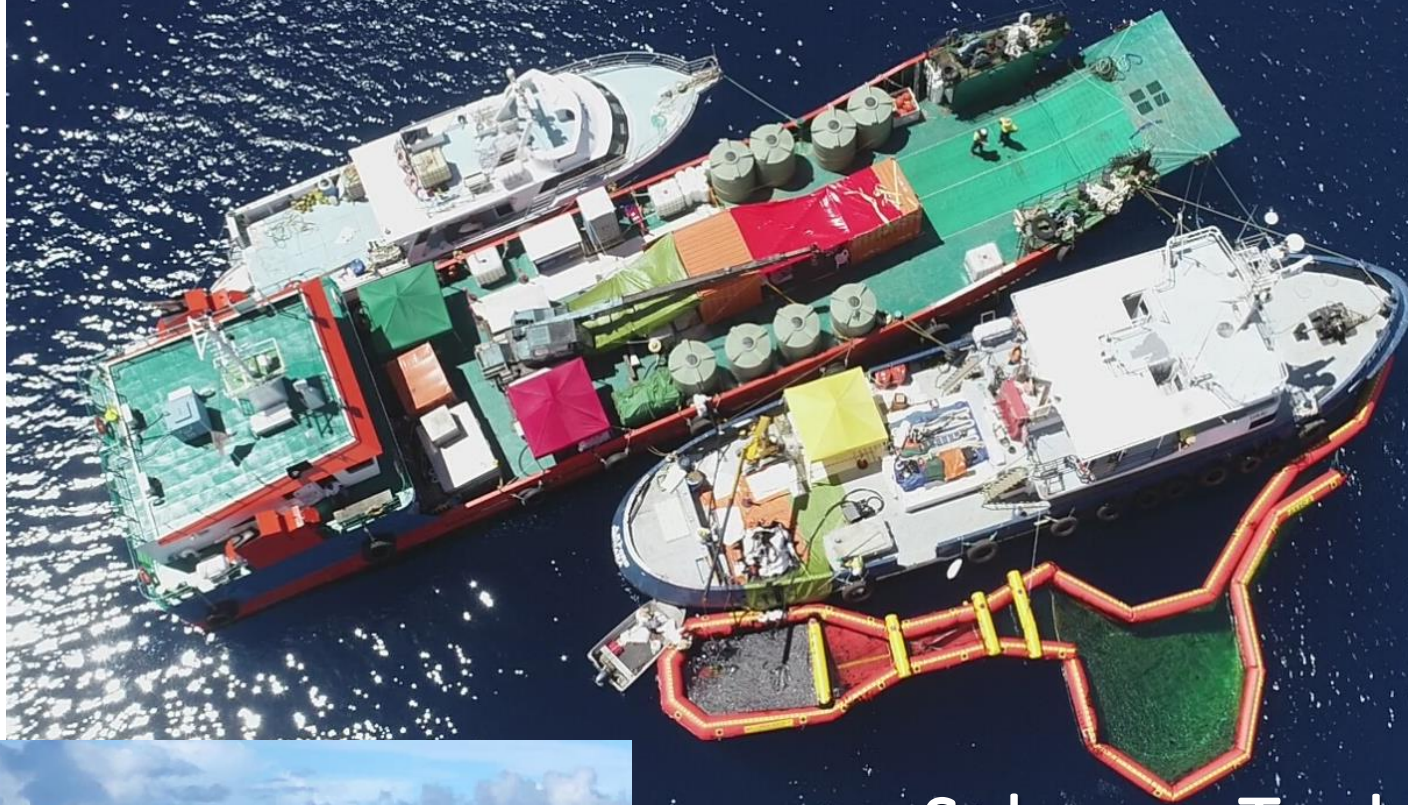




# MISSION & EXECUTION

<b>Objectives</b> What is planned to be done, in Priority order	<b>Strategies</b> Means of accomplishing objectives
1. Continue to maintain situational awareness to inform potential response (Intel)	1.1 Liaise with DFAT to establish a potential visit
	1.2 Conduct an initial visit to Honiara & liaise with relevant authorities
	1.3 Conduct aerial recon flight of the incident
2. Assist Solomon Islands Government in ongoing planning and response	2.1 Establish a response team led by local authorities & advised by AMSA
	2.2 Assist in development of an Incident Action Plan based on preferred response options
3. Provide technical advice and training for local personnel	3.1 Provide AMSA technical advisors within the IMT
	3.2 Coordinate a training program focussing on specific response options and safety
4. Manage risks to personnel	4.1 Develop a details risk assessment and treatment schedule for all activities
5. Undertake recovery of oil on water	5.1 Recover of oil on water within Kangava Bay





## Solomon Trader – Operational Response





# Solomon Trader – numbers

## AMSA deployed to the Solomons

- 6 AMSA
- 17 National Plan
- 3 industry Core Team
- 4 contractors
- 3 New Zealanders

250+ total work days in Honiara, Rennell & Canberra

20+ AMSA staff involved

~ 200gb of data

~ 4000 files

~ 140Gb video





Thank you