
Weather for Sailors
The Fundamentals-Enclosed Waters
ORCV
OCEAN TRAINING

Greg Patten

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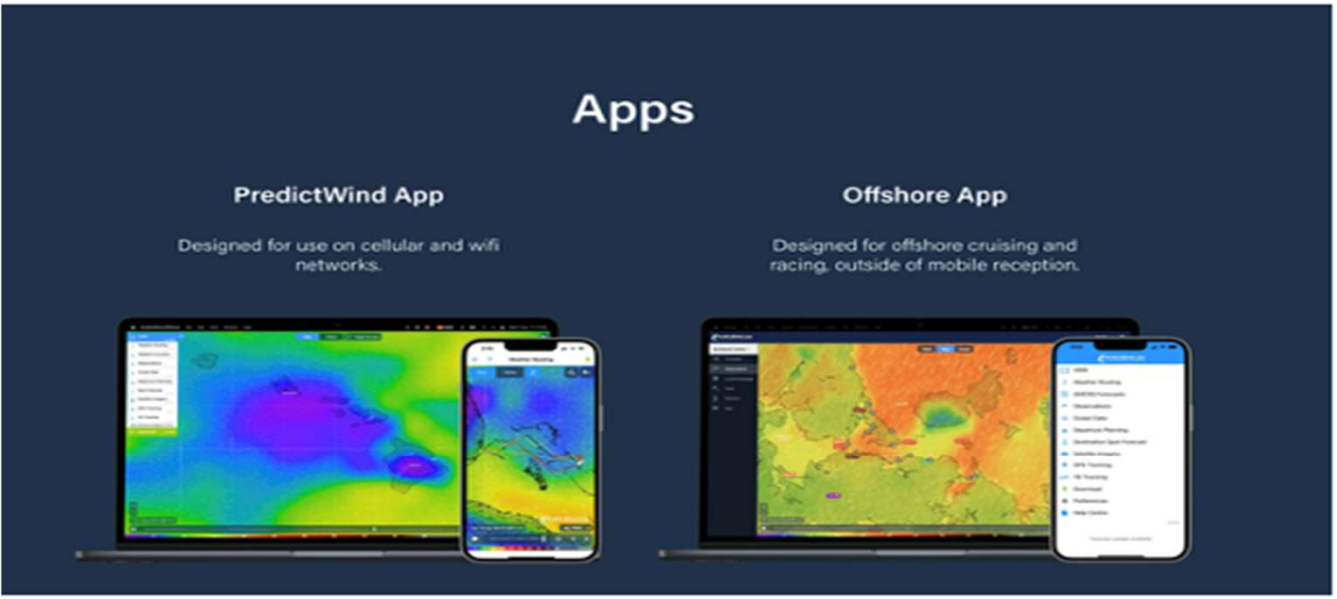
PredictWind

ORCV

PredictWind.com
THE WORLD LEADER

Meet Keryn McMaster



- Head of Support & Sales at PredictWind
- Experienced offshore sailor with 2 circumnavigations
- Leads global customer support & training
- Highly involved in event sponsorships and races such as The Ocean Race , Admirals Cup and Fastnet

Revision Poll

- What happens to pressure and temperature with height?

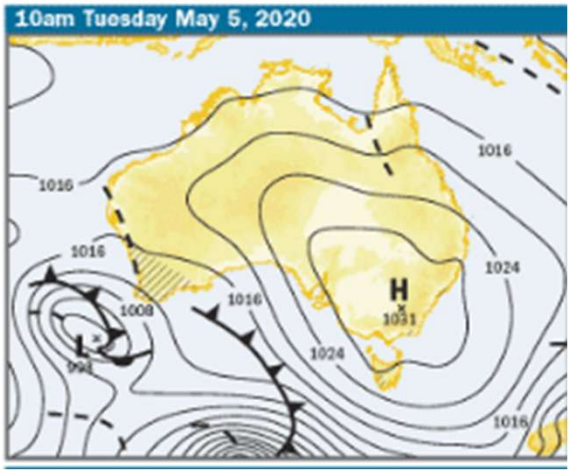
Revision Poll

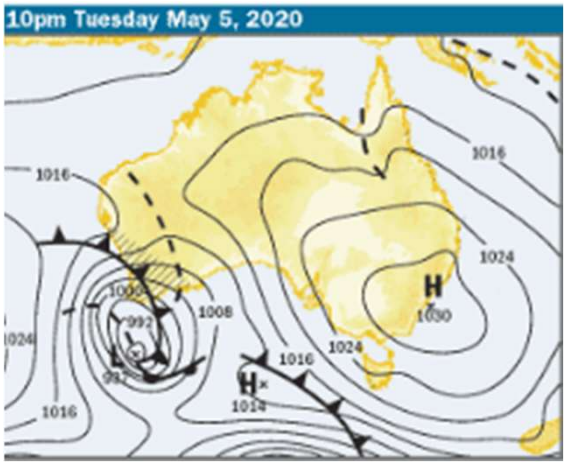
- What direction does wind blow around a low- pressure in the southern hemisphere?

Revision Poll

- Does air rise or fall in a high-pressure system?

Movement of Weather Systems

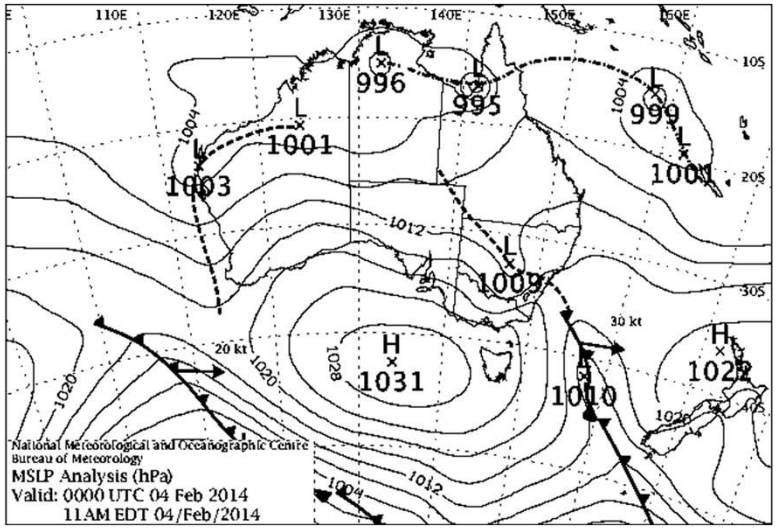




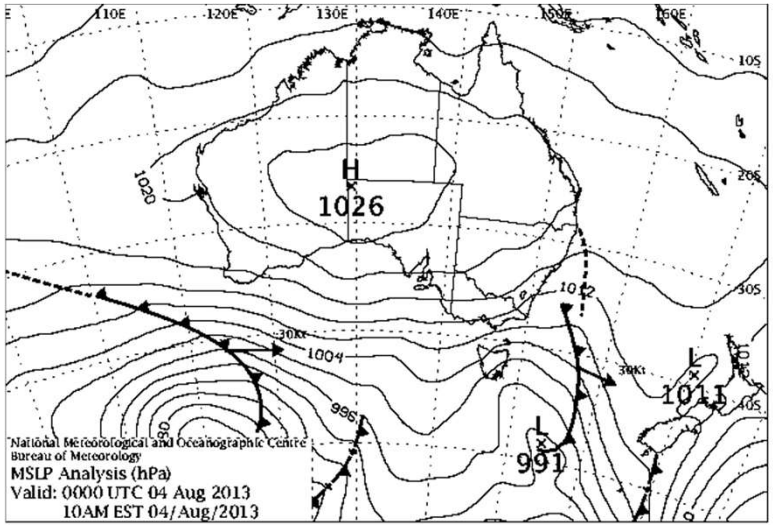
- In mid-Latitudes, weather moves from west to east
- Driven by global wind circulation patterns and the Coriolis Force
- Moves across the continent in a few days
- Can be slowed down by blocking high pressure systems that form further south than usual and remain near stationary for an extended period of time

Changes Between Seasons

Summer

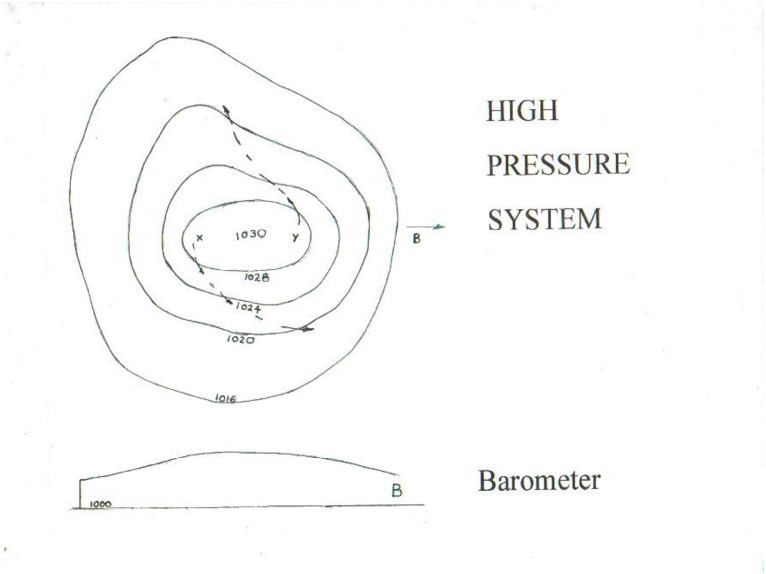


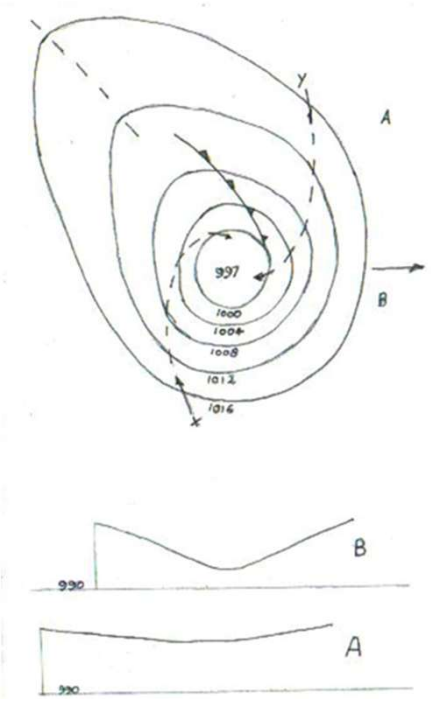
Winter



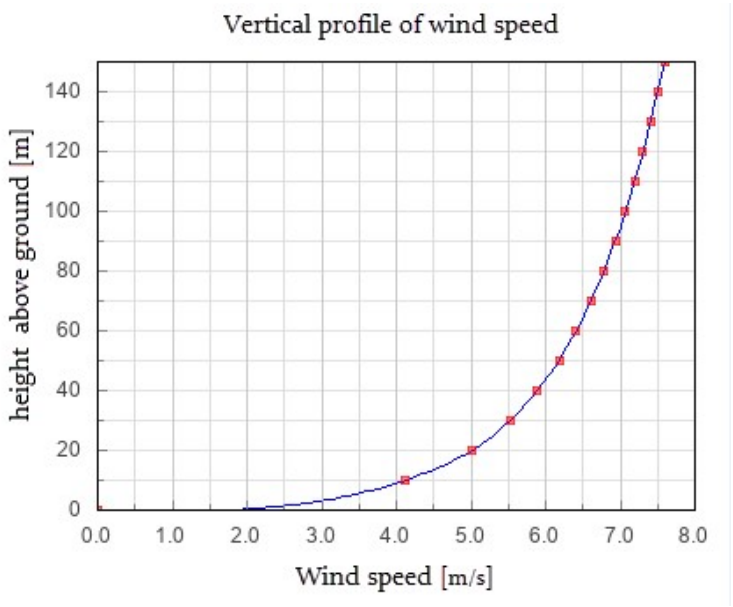
- In Summer, the high-pressure belt is usually south of the continent
- In Winter, the high-pressure belt is further north
- In Summer, the high-pressure belt is over the continent. The effect of westerly winds and cold fronts have more impact

Horizontal Wind Profiles in Highs and Lows





Vertical Wind Profiles



- Surface friction causes wind gradient near the sea surface (more pronounced in lighter winds)
- BOM wind speeds at 10m and 10-minute average
- Has obvious impacts on sail trim, particularly in light winds

BOM Wind Levels

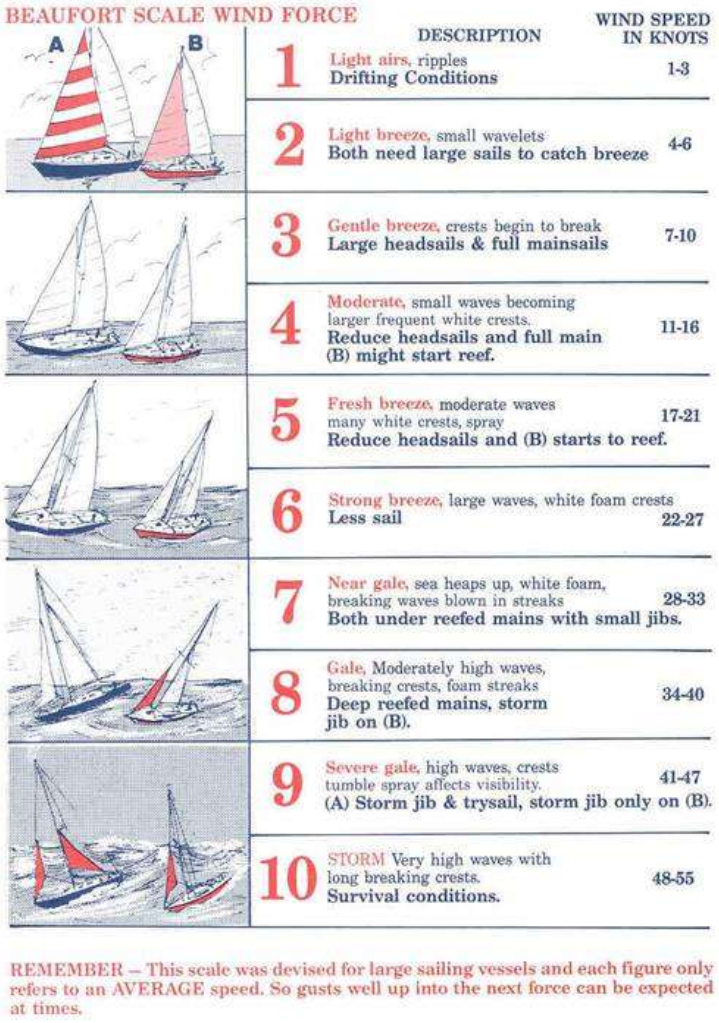
- Measured over a 10-minute interval at 10m height

40% speed increase means twice the force on your yacht!

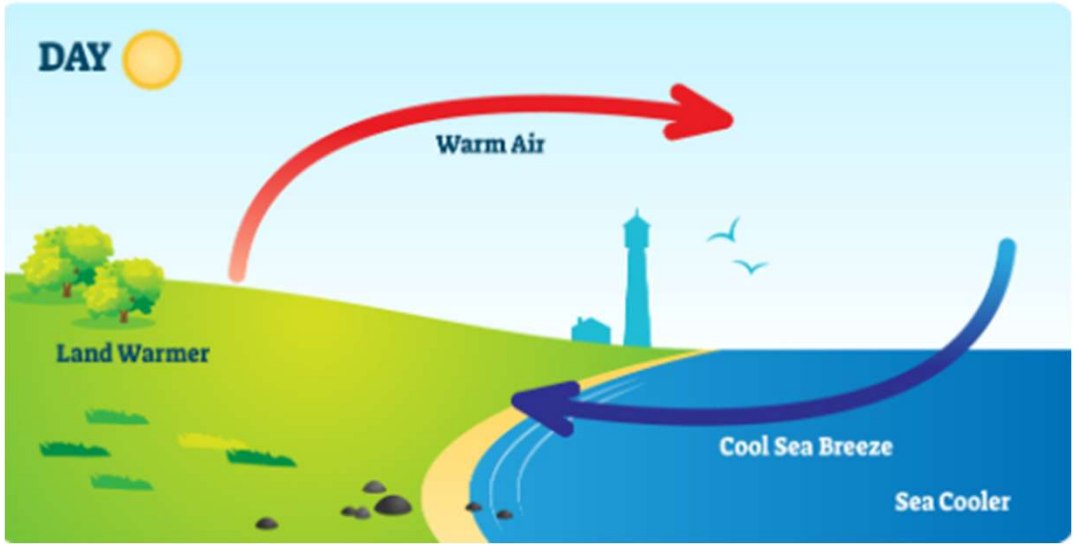
Average wind speed (knots)	Gust strength that should be planned for (knots)	Wind Warning thresholds
10	14	
15	21	
20	28	
26 - 33	36 - 45	**Strong wind warning issued**
34 - 47	48 - 65	**Gale force warning issued**
48 - 63	67 - 88	**Storm force warning issued**
64 or more	90 or more	**Hurricane force warning issued**

Beaufort Wind Scale

- Admiral Beaufort RN
- 1830's - Pre-wind instruments – Based on Sea and Land effects
- Internationally Understood
- Note Beaufort storm force is different to BOM Storm warning 48-63 kts



Sea Breeze



- Land heats and cools faster than sea
- Late morning, warmer air rises over land
- Cooler air moves in from the sea
- Cloud formation over land
  can be an early warning sign
- Dissipates by late afternoon
- Wind strength can increase if the sea breeze aligns with the prevailing gradient wind direction (converse too!)

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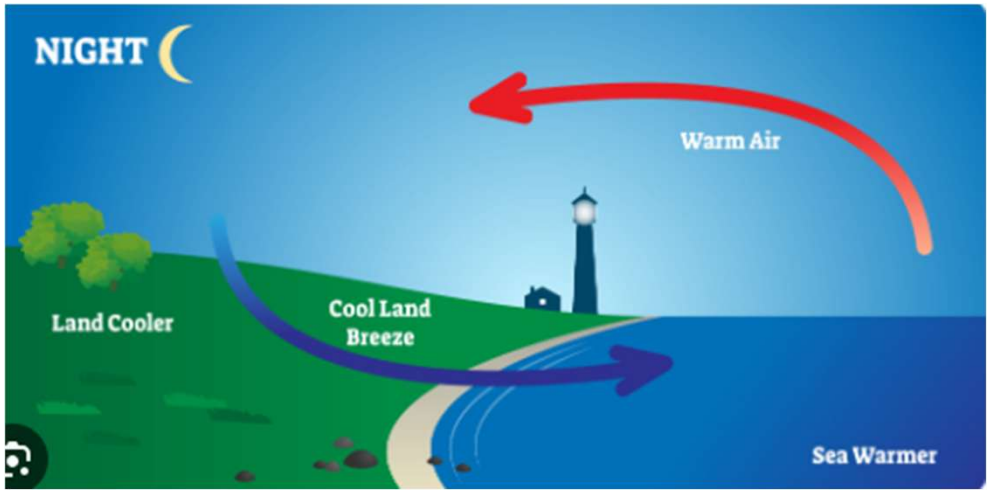
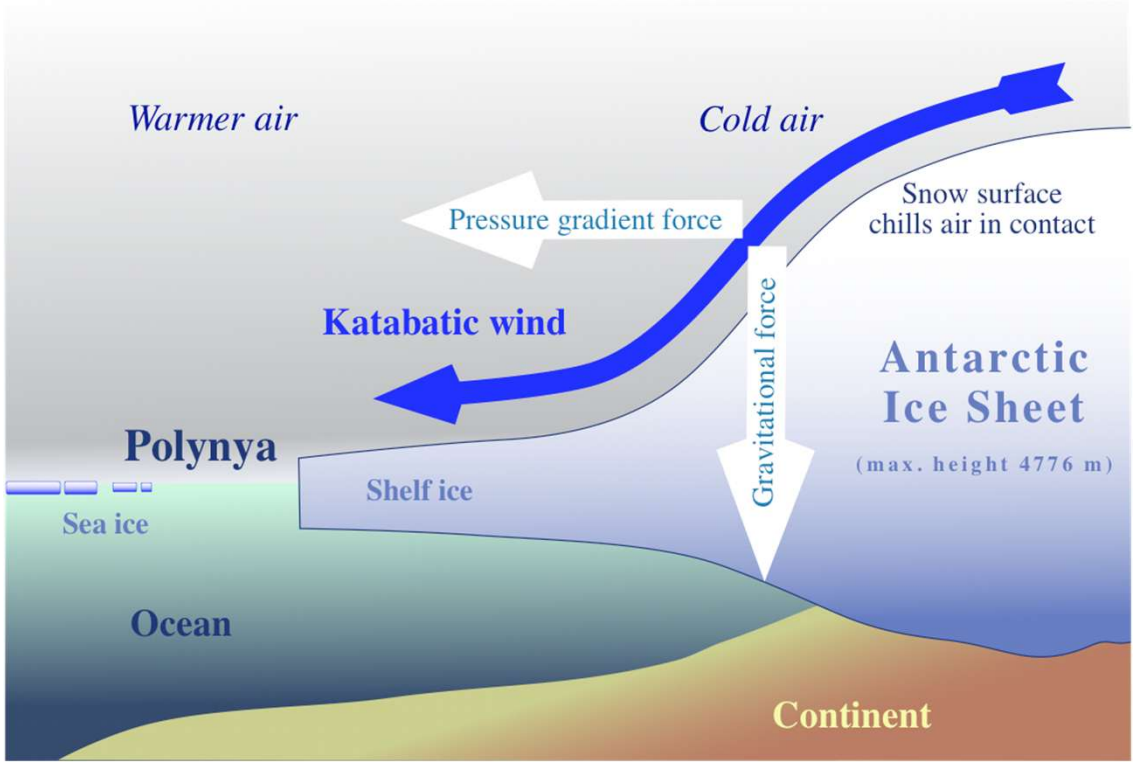
Land Breeze



- Land cools once sun disappears
- By late evening, sea is warmer
- Cooler air moves out from the land
- Starts close to shore and gradually moves outwards
- Weaker if significant cloud over over land

Katabatic Wind



- Air aloft cools due to land cooling or nighttime radiation loss
- Cooler air becomes more dense
- Gravity drags the denser air downhill
- Particularly strong with valleys to the water
- Common in Antarctica, also Tasmania West Coast
- Can be strategically important

Katabatic Winds

Poll

- At what height and over what time does the BOM measure wind strength?

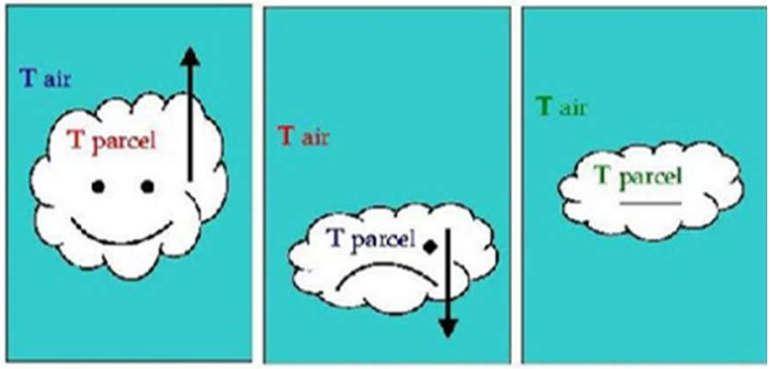
Poll

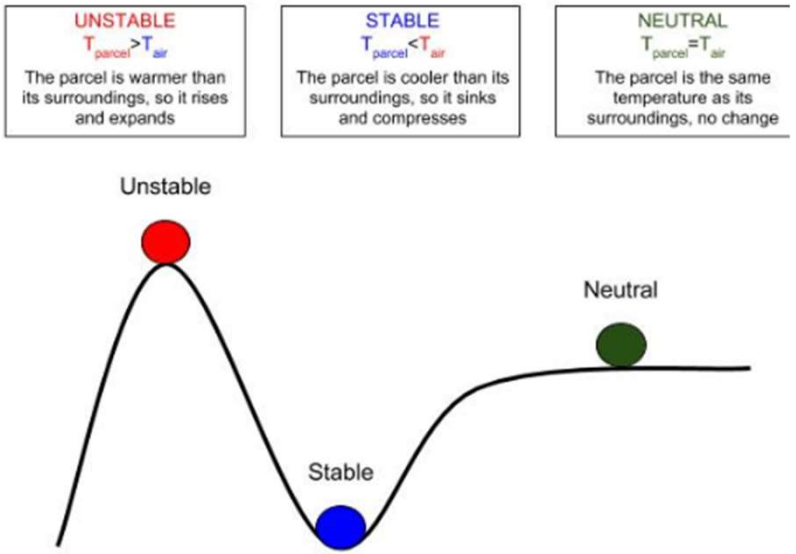
- What is the range of wind speeds for a strong wind warning?

Clouds – Signs of the Sky

- Why Study Clouds?
- Clouds are indicators of vertical motion
- Used to understand current and future winds and weather (local and regional)

Atmospheric Stability





- If a parcel of air has a higher temperature than its surroundings, it rises. If the surrounding air temperature decreases rapidly with height we have instability and the parcel continues to rise. We see cumulus or even cumulonimbus clouds and typically rain or thunderstorms - Unstable
- If the atmosphere cools slowly with height, a lifted parcel will eventually cool and sink back down. This produces calm winds, clear skies or flat layered stratus clouds – Stable
- If a parcel of air has the same temperature than the surroundings, it is stationary - Neutral

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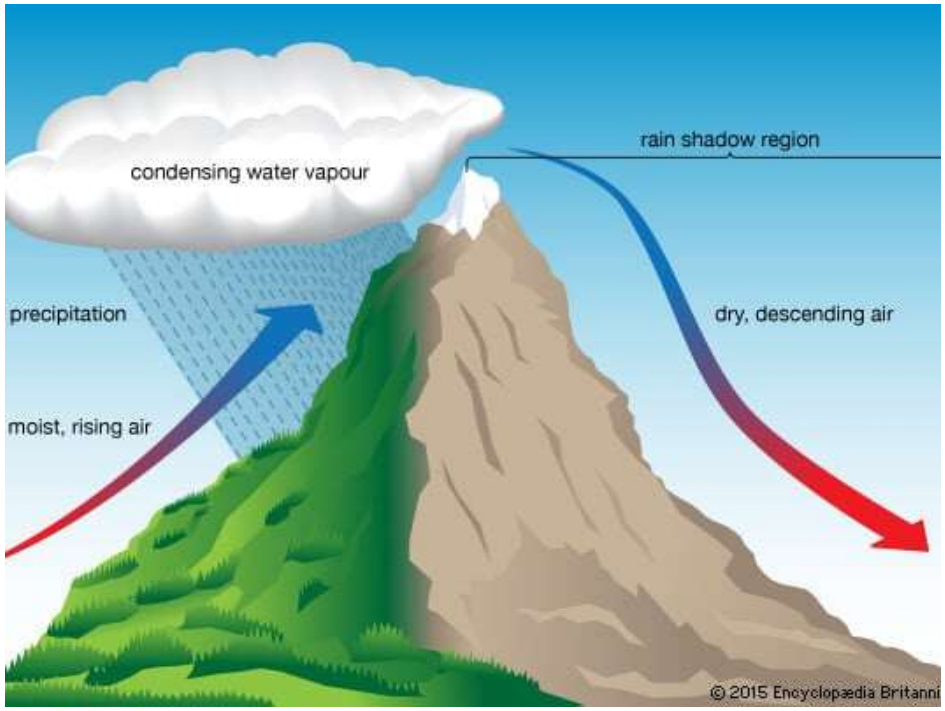
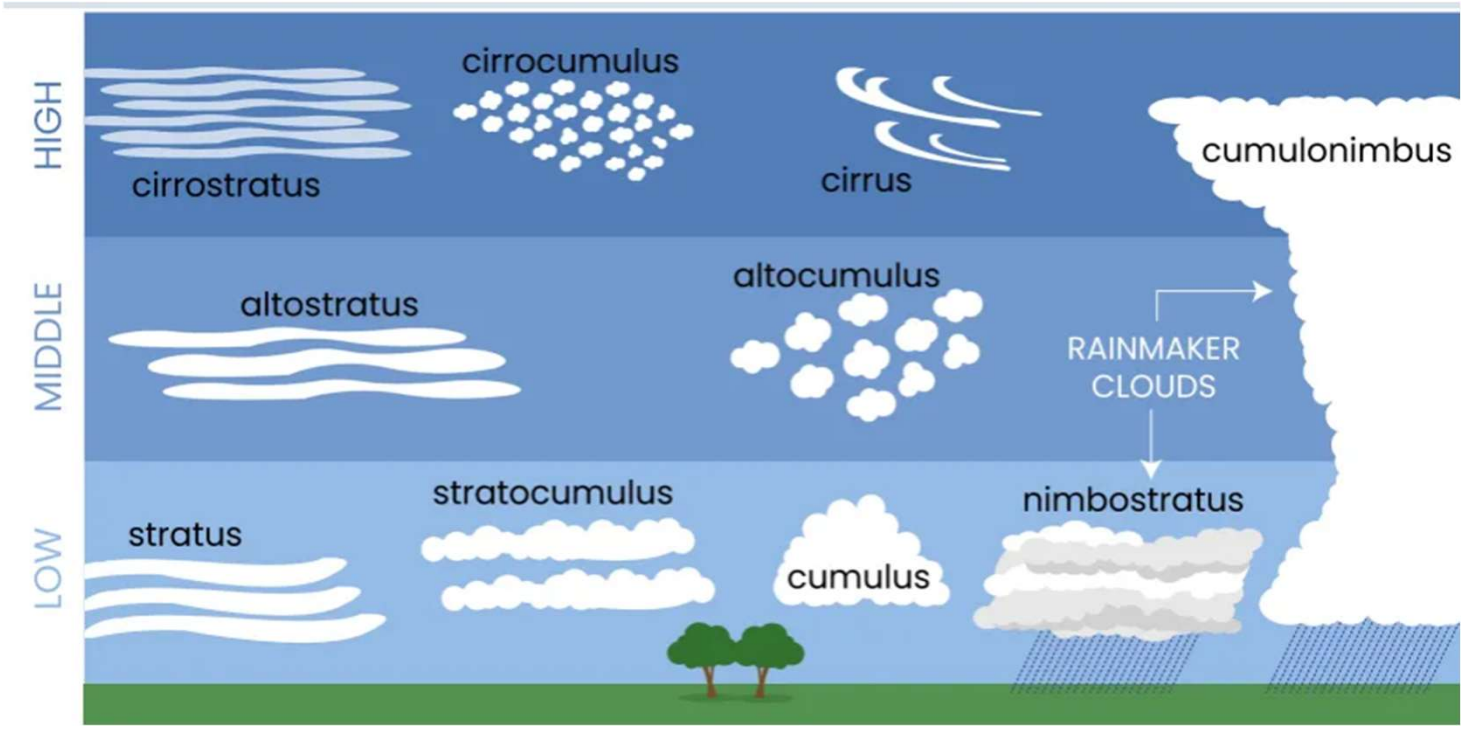
Orographic Lifting



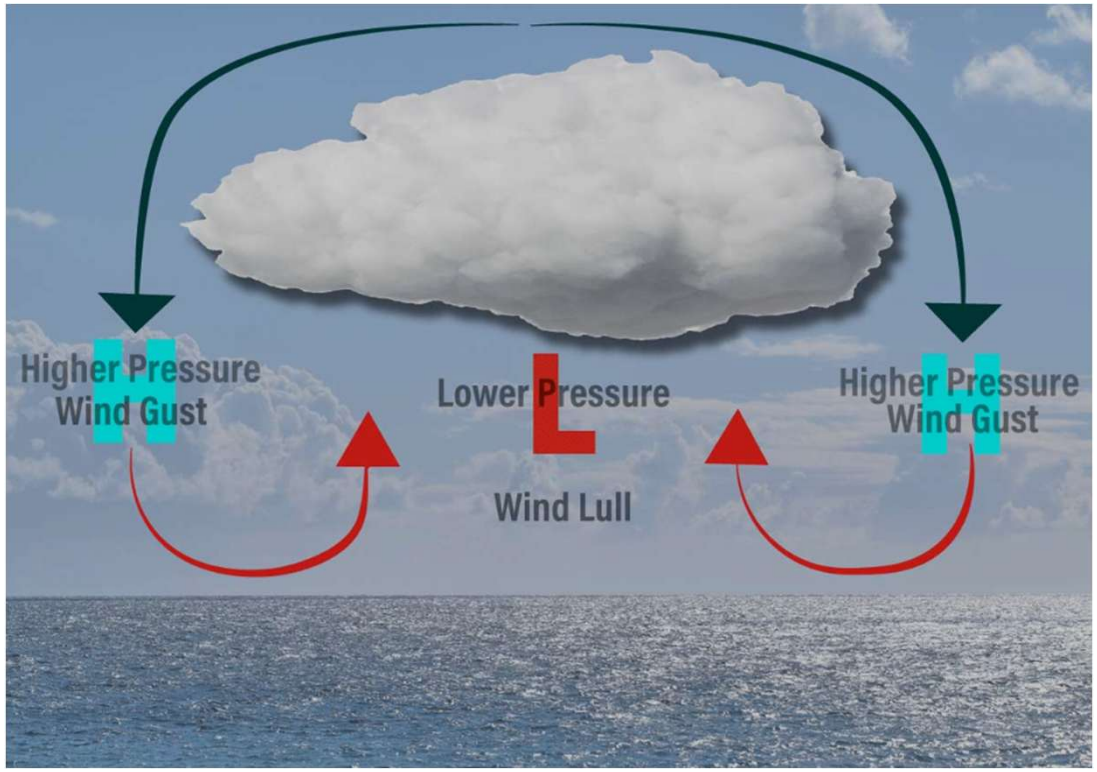
- Moist air, often from the sea, rises over coastal mountains
- Rising air cools, water vapour condenses bringing rain on the windward side
- Dry air continues to the leeward side of the mountains

Cloud Types



- Clouds names based on their height, their appearance and the type of weather they bring
- Cirro; high, curly • Alto; mid height • Strato: layered • Nimbo: rain • Cumulo: lumpy

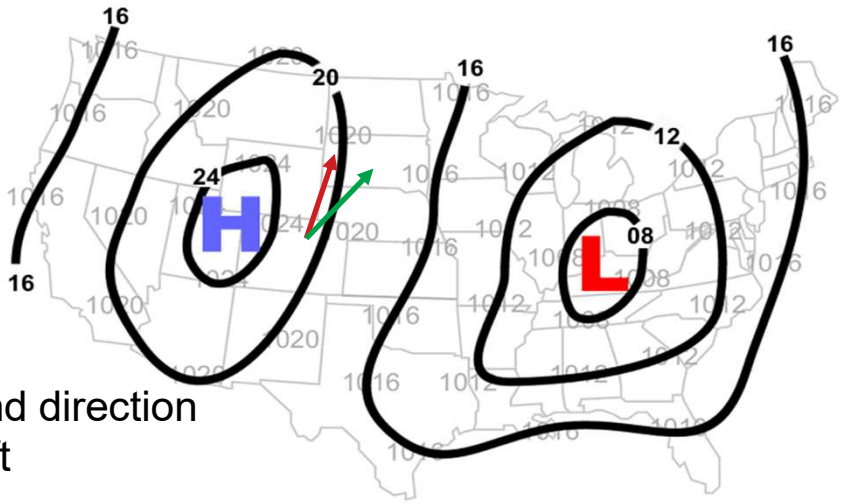
Gusts and Lulls



- Rising air near the cloud centre (low pressure) produces lulls
- Downdraft near the cloud edge (higher pressure) produces gusts
- Short in duration and shift in direction

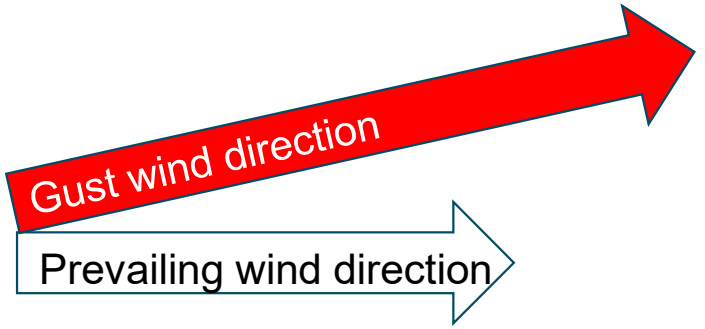
Gusts and Lulls

- Gusts involves air coming from aloft
- The higher air has been rotated more by the Coriolis force due to the lack of surface friction
- Gust direction moves anticlockwise (Southern hemisphere)



Wind direction aloft

Wind direction at sea level



Squalls

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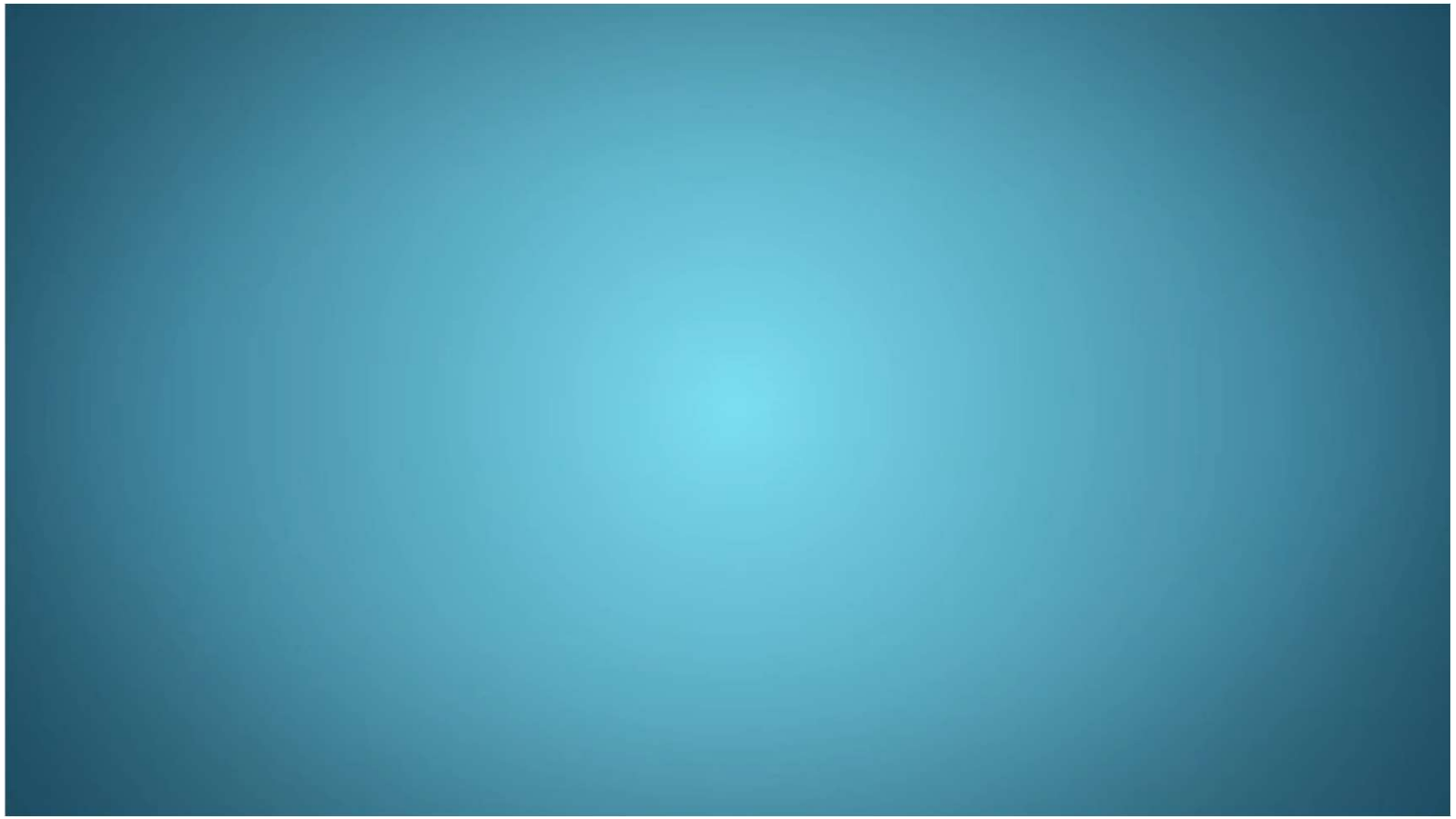
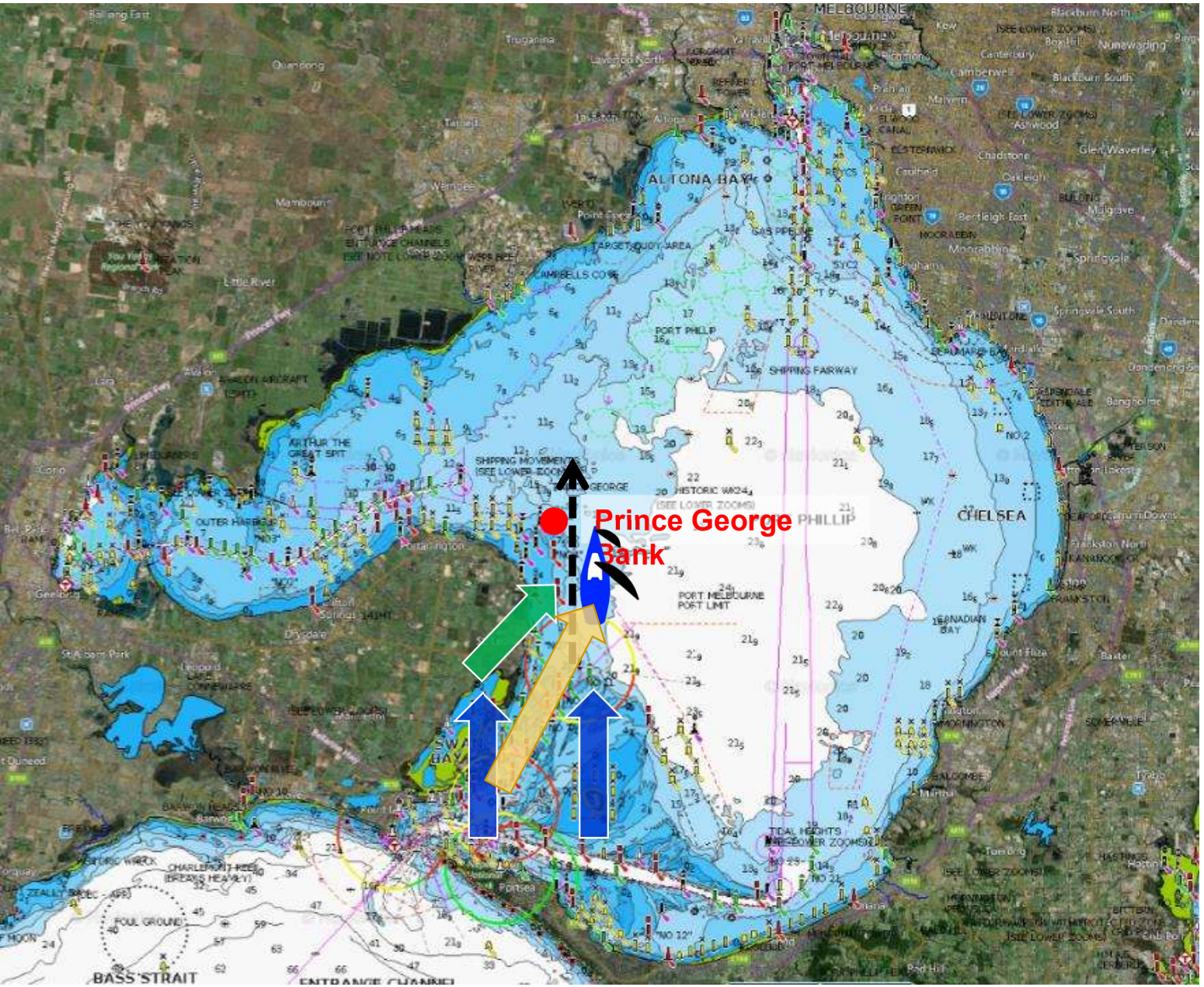
Thunderstorms



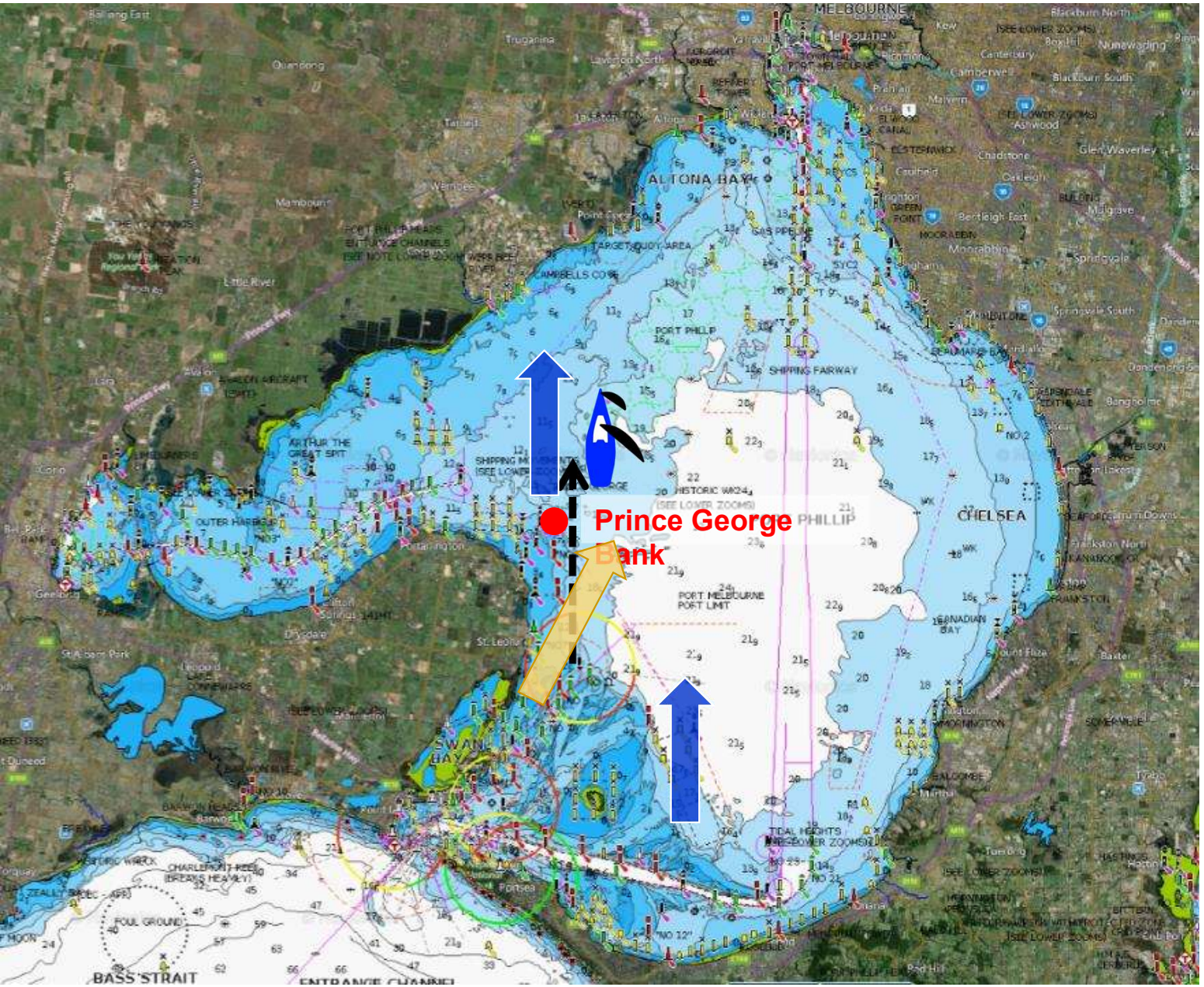


Part 1: When you are Adjacent to Headland

SW Wind **Veered** over land Reinforces with Gradient Southerly wind to become South South Westerly and stronger

Wind **Veers** over land and **slows** becomes South Westerly

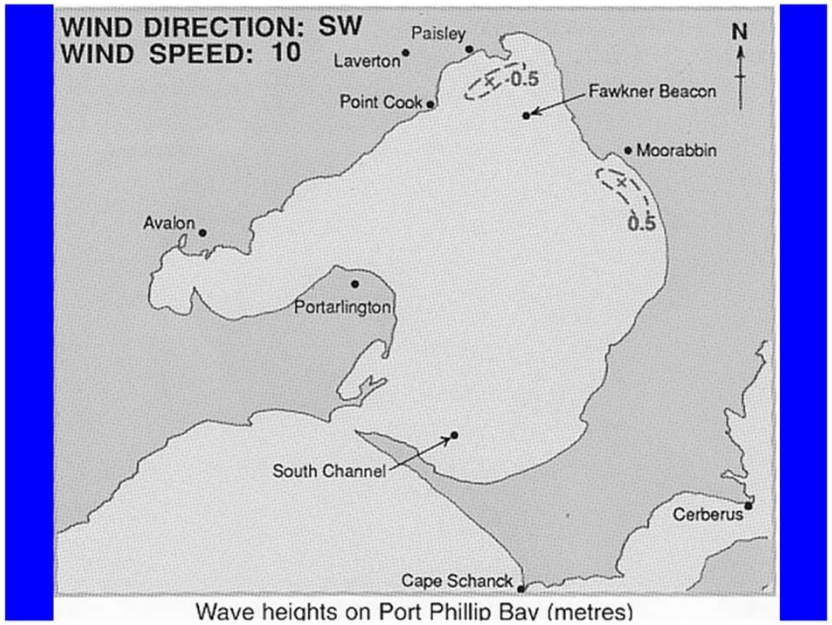
Gradient Southerly Wind

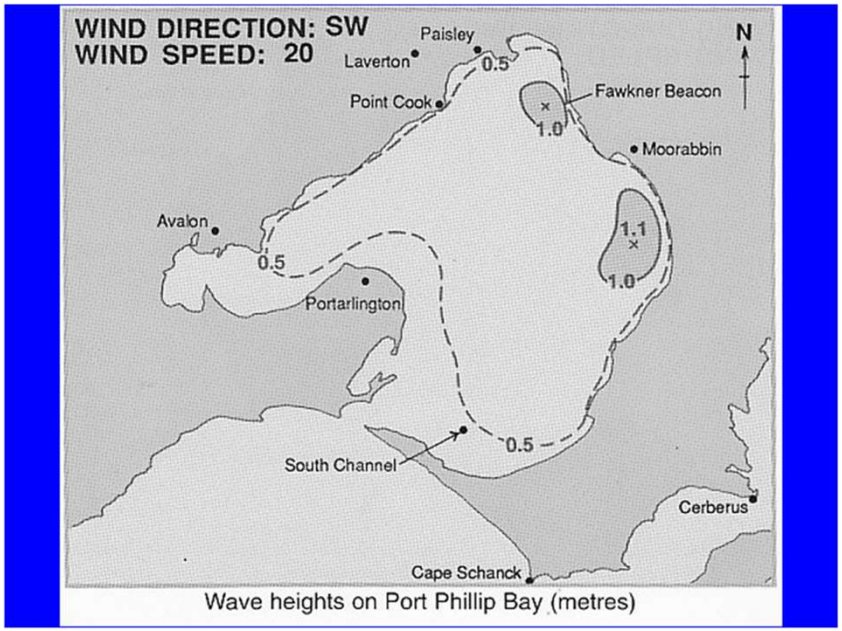


Part 2: You are Past Headland

South South Westerly wind **Backs** and **softens** to Gradient Wind Strength and Direction

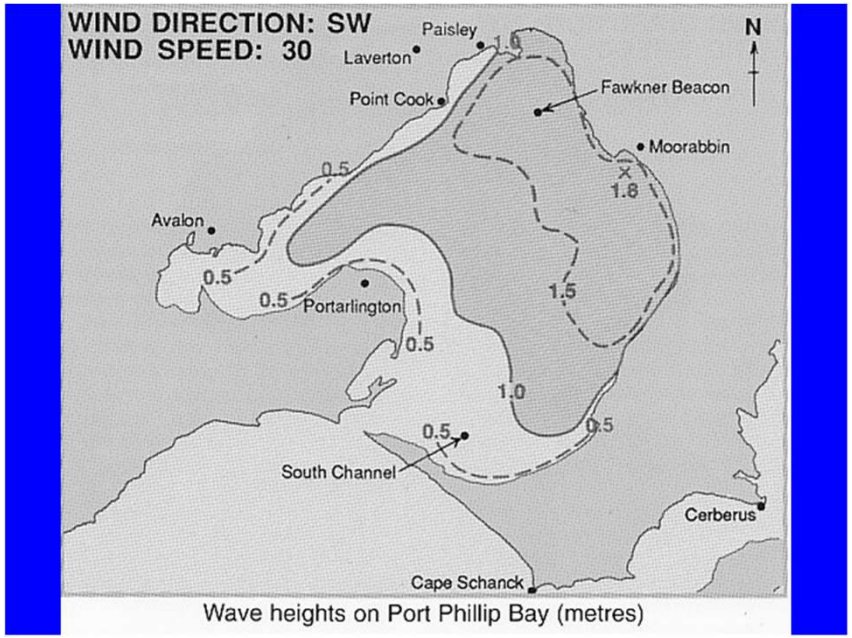
Effect of Wind on Sea State

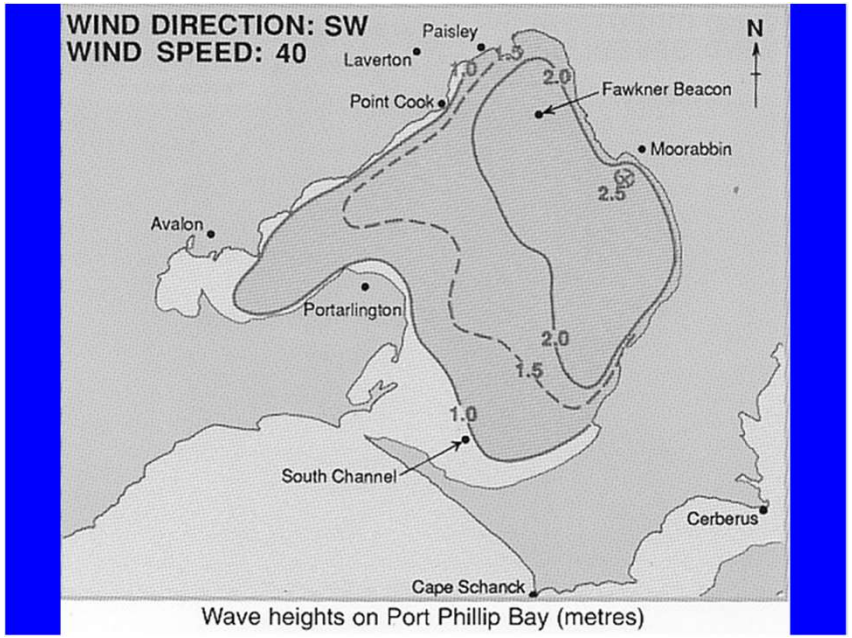




- Wave heights depend on wind strength and the distance over which the wind has been blowing (fetch)
- Also depends on how long the wind has been blowing

Effect of Wind on Sea State





- SW Wind of 30-30 knots

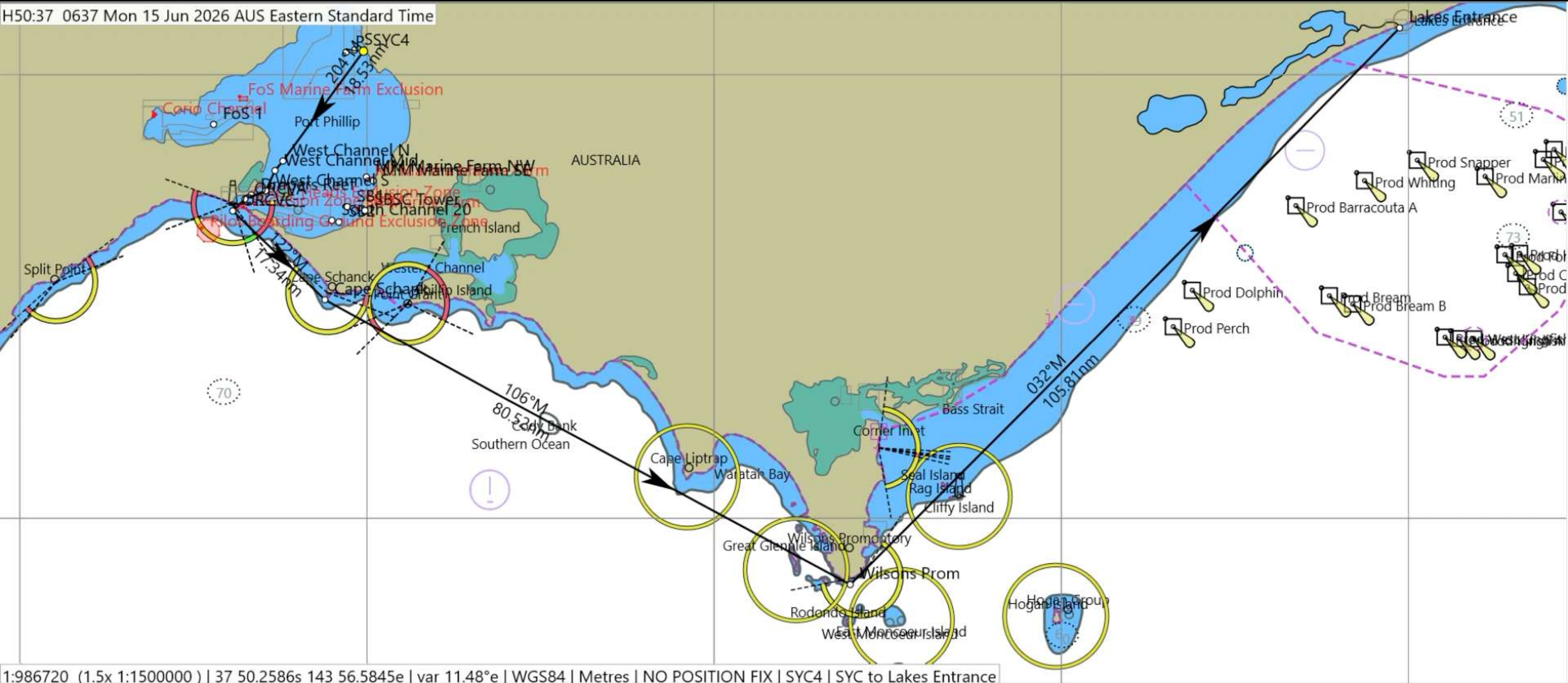
Effect of Wind on Sea State

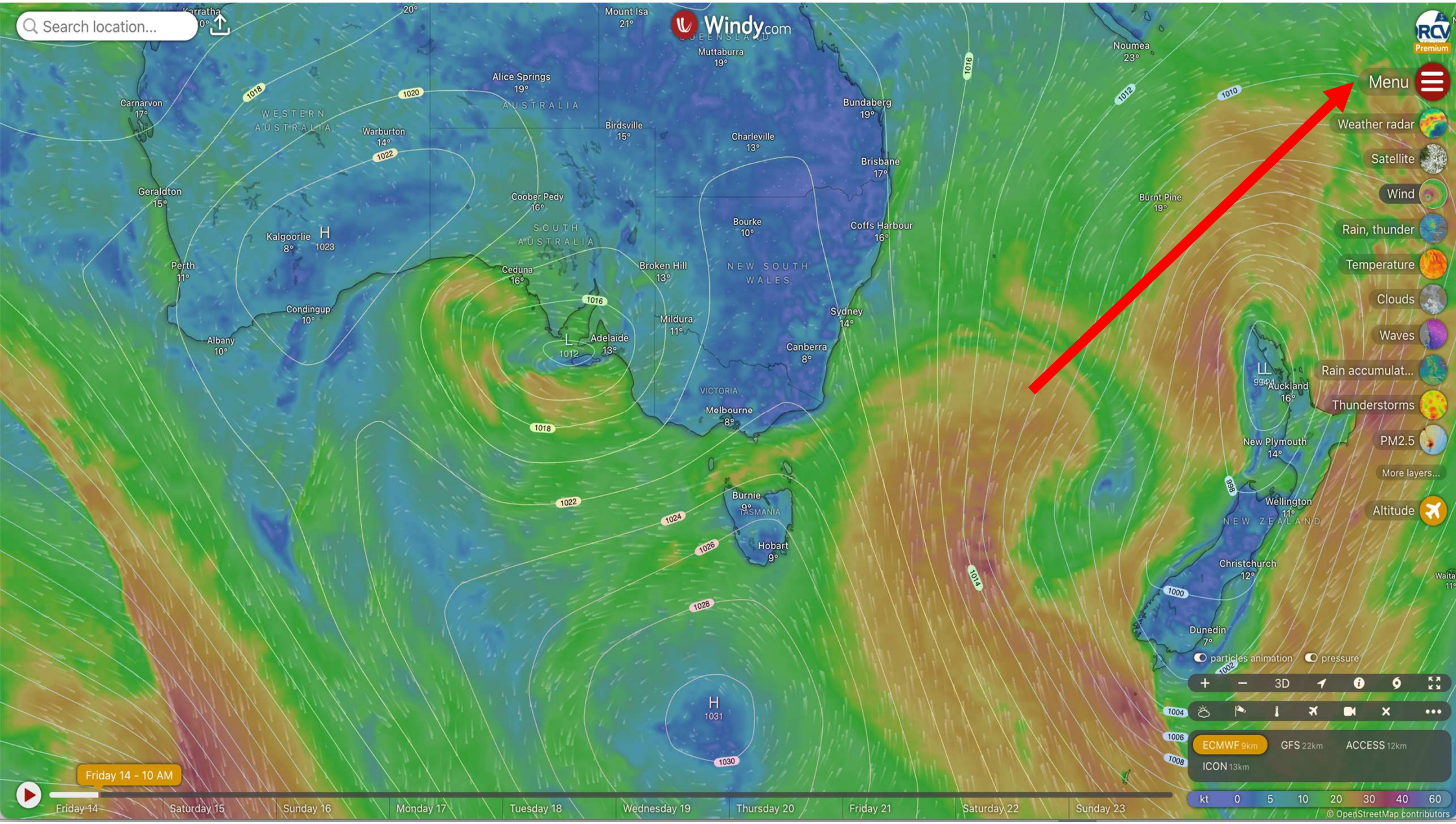
- Winter NW Gales on Port Phillip

Poll

- What determines the effect of wind on the sea state?

Break/Questions


H50:37 0637 Mon 15 Jun 2026 AUS Eastern Standard Time
SSYC4
204°M
18.53nm
FoS Marine Farm Exclusion
Corio Channel
FoS 1
Port Phillip
West Channel N
AUSTRALIA
Pilot Boarding Ground Exclusion Zone
South Channel 20
French Island
Split Point
Cape Schanck
Channel
Phillip Island
17.34nm
70
106°M
80.53nm
Southern Ocean
Cape Liptrap
Waratah Bay
Corner Inlet
Bass Strait
Seal Island
Rag Island
Cliffy Island
Wilsons Promontory
Great Glennie Island
Wilsons Prom
Rodondo Island
West Moncoeur Island
Hogan Group
032°M
105.81nm
Lakes Entrance
51
73
Prod Snapper
Prod Whiting
Prod Barracouta A
Prod Dolphin
Prod Perch
Prod Bream B
1:986720 (1.5x 1:1500000) | 37 50.2586s 143 56.5845e | var 11.48°e | WGS84 | Metres | NO POSITION FIX | SYC4 | SYC to Lakes Entrance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PM2.5
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Alice Springs 19°
Carnarvon 17°
Warburton 14°
Geraldton 15°
Kalgoorlie 8°
Perth 11°
Condingup 10°
Albany 10°
Ceduna 16°
Adelaide 13°
Coober Pedy 16°
Birdsville 15°
Charleville 13°
Bundaberg 19°
Brisbane 17°
Bourke 10°
Broken Hill 13°
Mildura 11°
Coffs Harbour 16°
Sydney 14°
Canberra 8°
Melbourne 8°
Burnie 9°
Hobart 9°
Noumea 23°
Burnt Pine 19°
Auckland 16°
New Plymouth 14°
Wellington 11°
Christchurch 12°
Dunedin 7°
Waita 11°
WESTERN AUSTRALIA
SOUTH AUSTRALIA
NEW SOUTH WALES
VICTORIA
TASMANIA
NEW ZEALAND
particles animation
pressure
3D
ECMWF 9km
GFS 22km
ACCESS 12km
ICON 13km
kt 0 5 10 20 30 40 60
Friday 14 - 10 AM
Friday 14
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Monday 17
Tuesday 18
Wednesday 19
Thursday 20
Friday 21
Saturday 22
Sunday 23
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Distance & planning
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Offline mode
Hurricane tracker (1)
Display KML, GPX, ...
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Arrange layers
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Clouds
Waves
Rain accumulat...
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Wind gusts
Wind accumulation
Pressure
Dew point
Humidity
Wet-bulb temperature
Solar power
UV Index
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New snow
Snow depth
Precipitation type
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GFS 22km
ACCESS 12km
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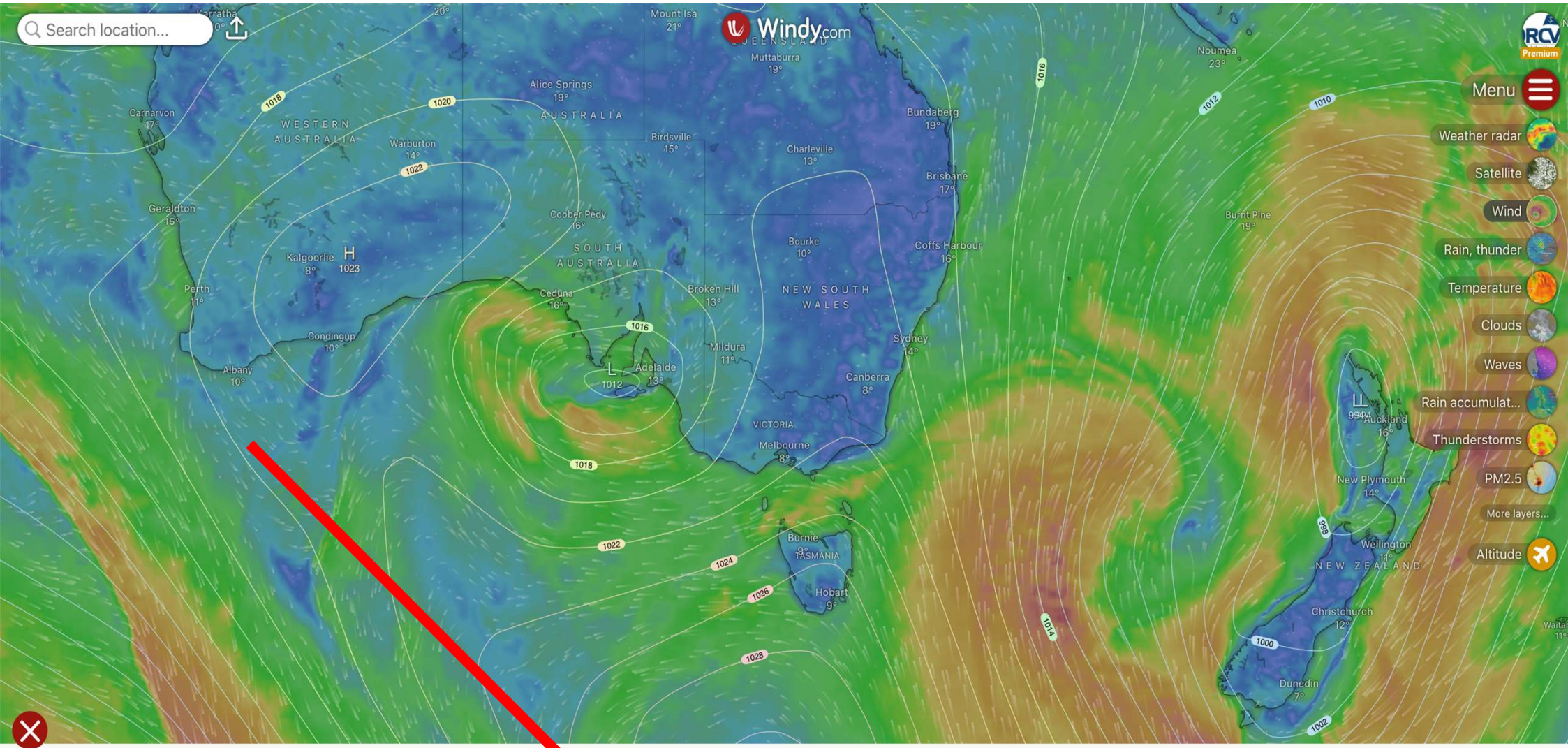
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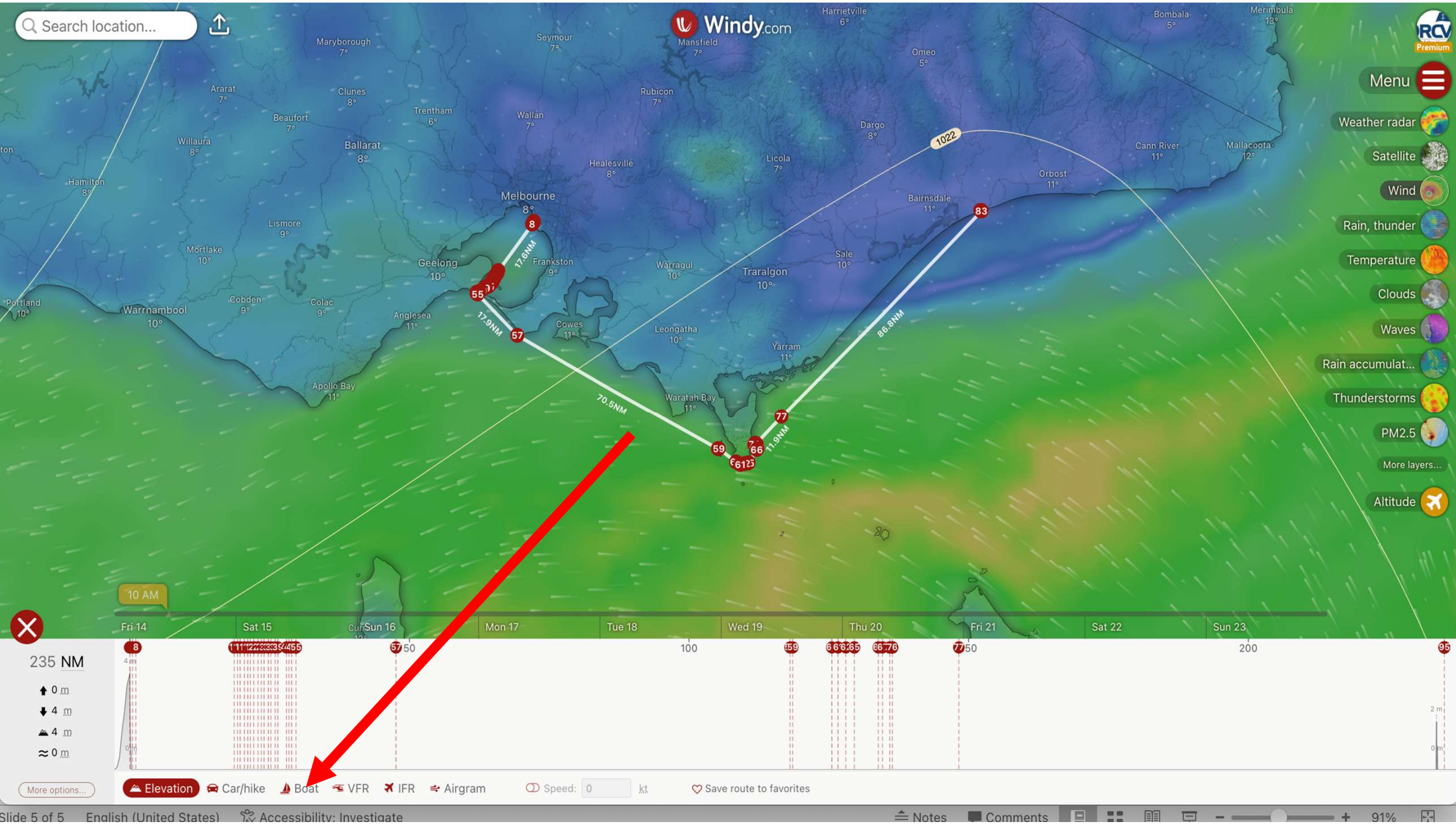
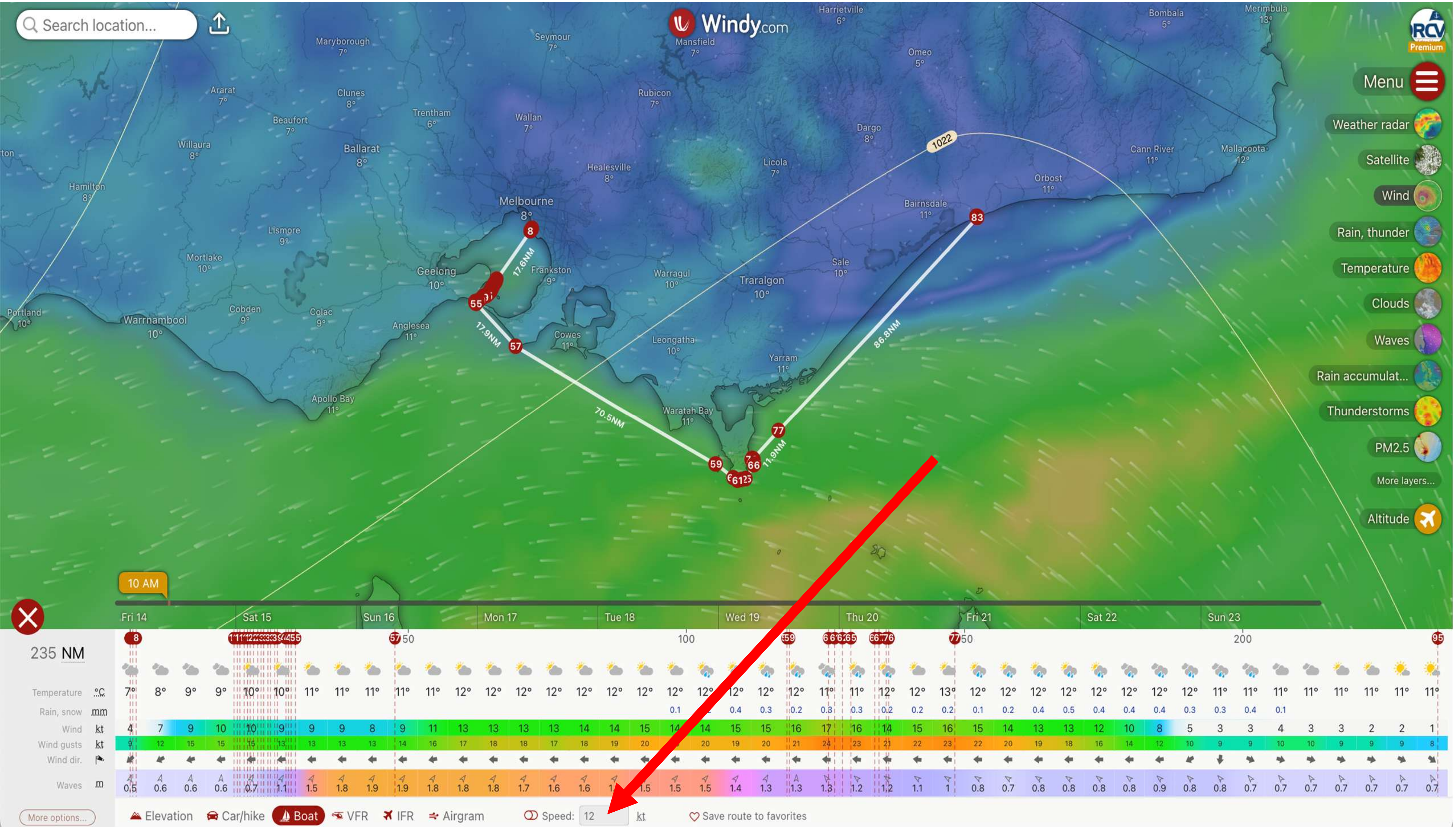
Click on the map to add more waypoints
Or select .gpx file to import route (you can also drop file here).



Slide 5 of 5 English (United States) Accessibility: Investigate Notes Comments 91%



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Frankston
Ballarat
Warrnambool
Traralgon
Bairnsdale
Sale
Orbost
Mallacoota
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17.9NM
70.5NM
11.9NM
86.8NM
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Mon 17
Tue 18
Wed 19
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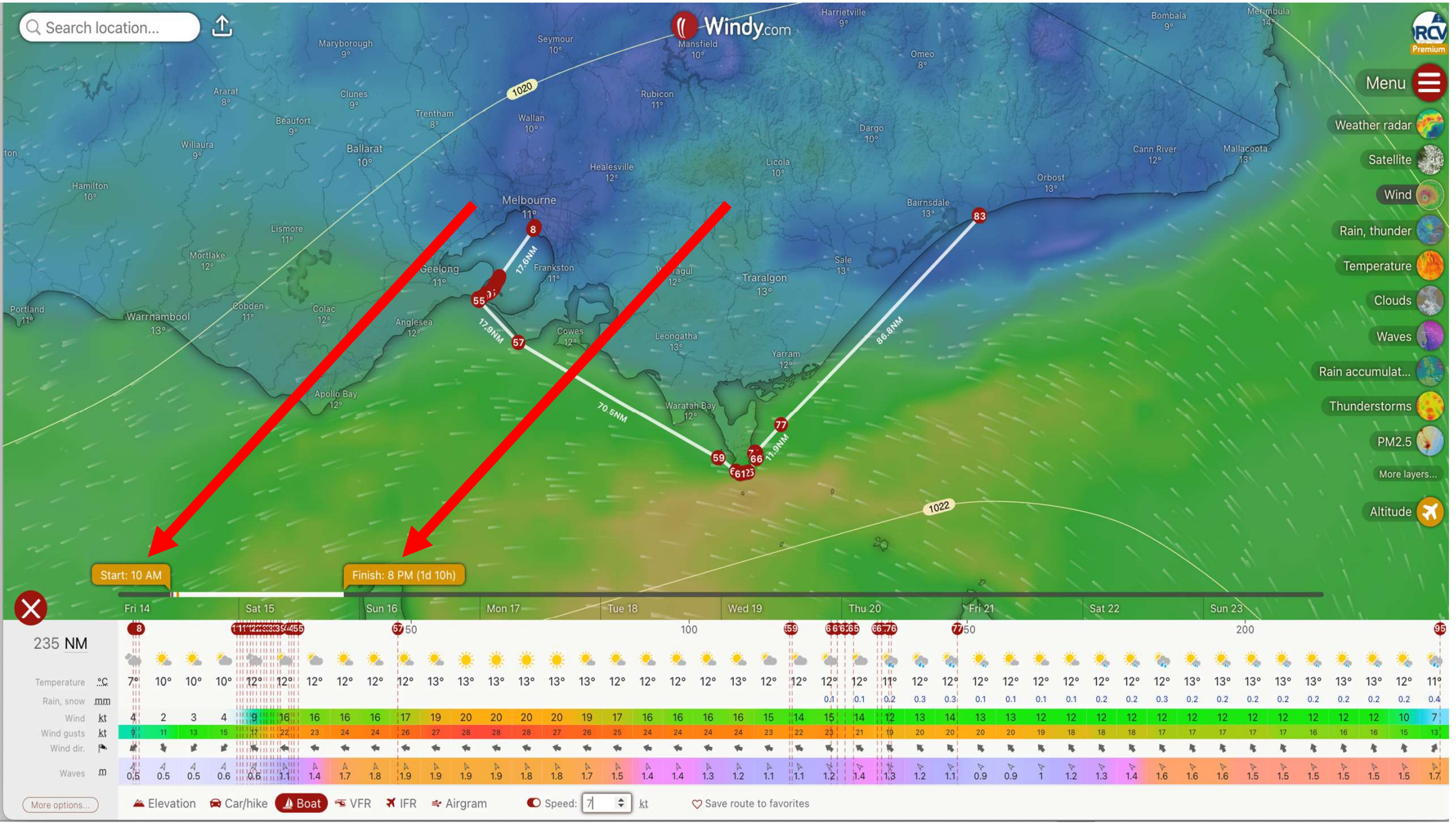
Rain, snow mm
Wind kt
Wind gusts kt
Wind dir.
Waves m
More options...
Elevation
Car/hike
Boat
VFR
IFR
Airgram
Speed: 12 kt
Save route to favorites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Clunes
Trentham
Wallan
Rubicon
Dargo
Licola
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Willaura
Mortlake
Lismore
Portland
Warrnambool
Cobden
Colac
Anglesea
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Leongatha
Yarram
Waratah Bay
Apollo Bay
Omeo
Harrietville
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86.8NM
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Thu 20
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Wind gusts kt
Wind dir.
Waves m
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Car/hike
Boat
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IFR
Airgram
Speed:
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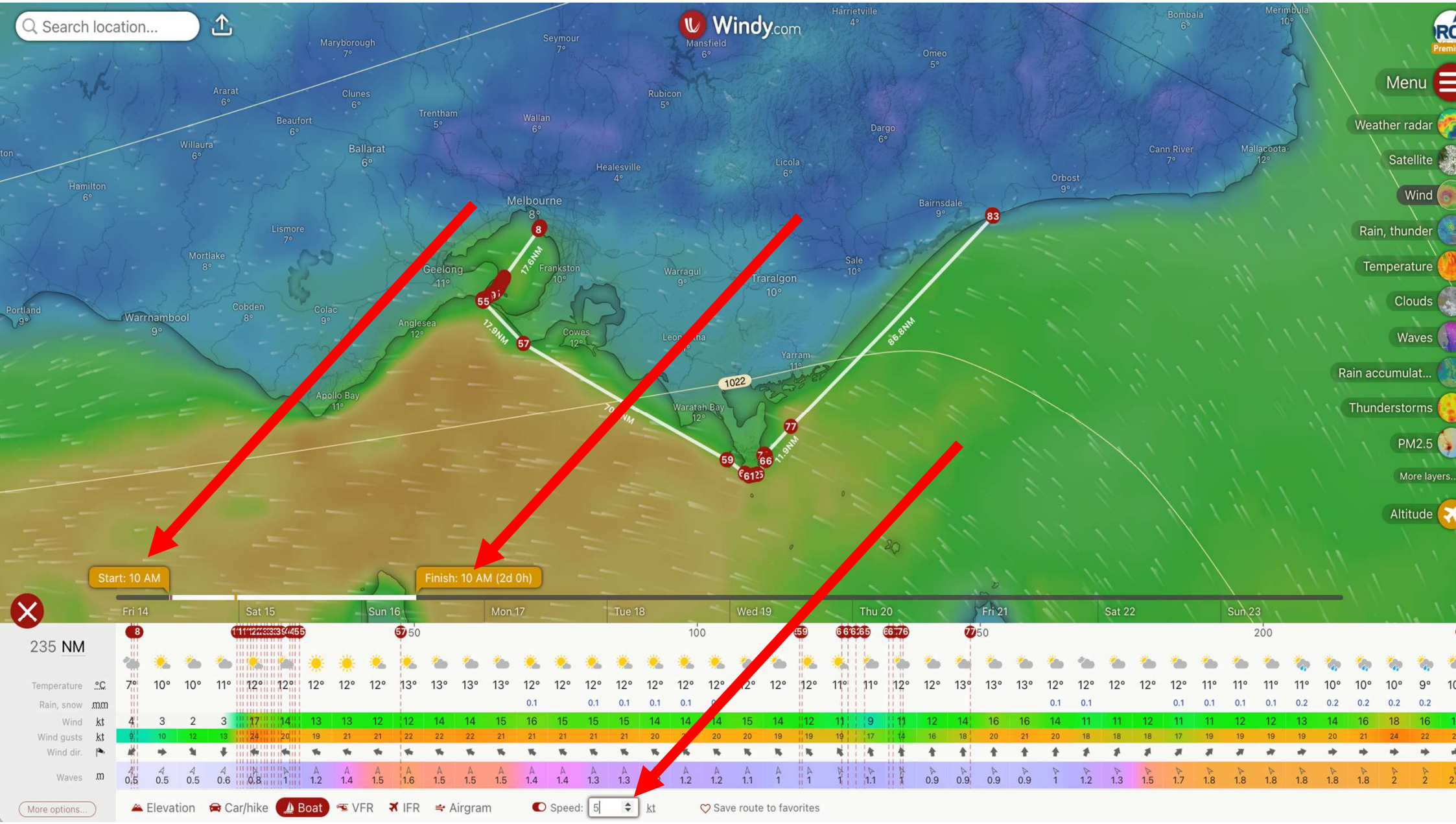
Save route to favorites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Willaura
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Trentham
Maryborough
Seymour
Wallan
Healesville
Rubicon
Mansfield
Harrietville
Omeo
Dargo
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Mallacoota
Orbost
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Warragul
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1022
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Finish: 10 AM (2d 0h)
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Tue 18
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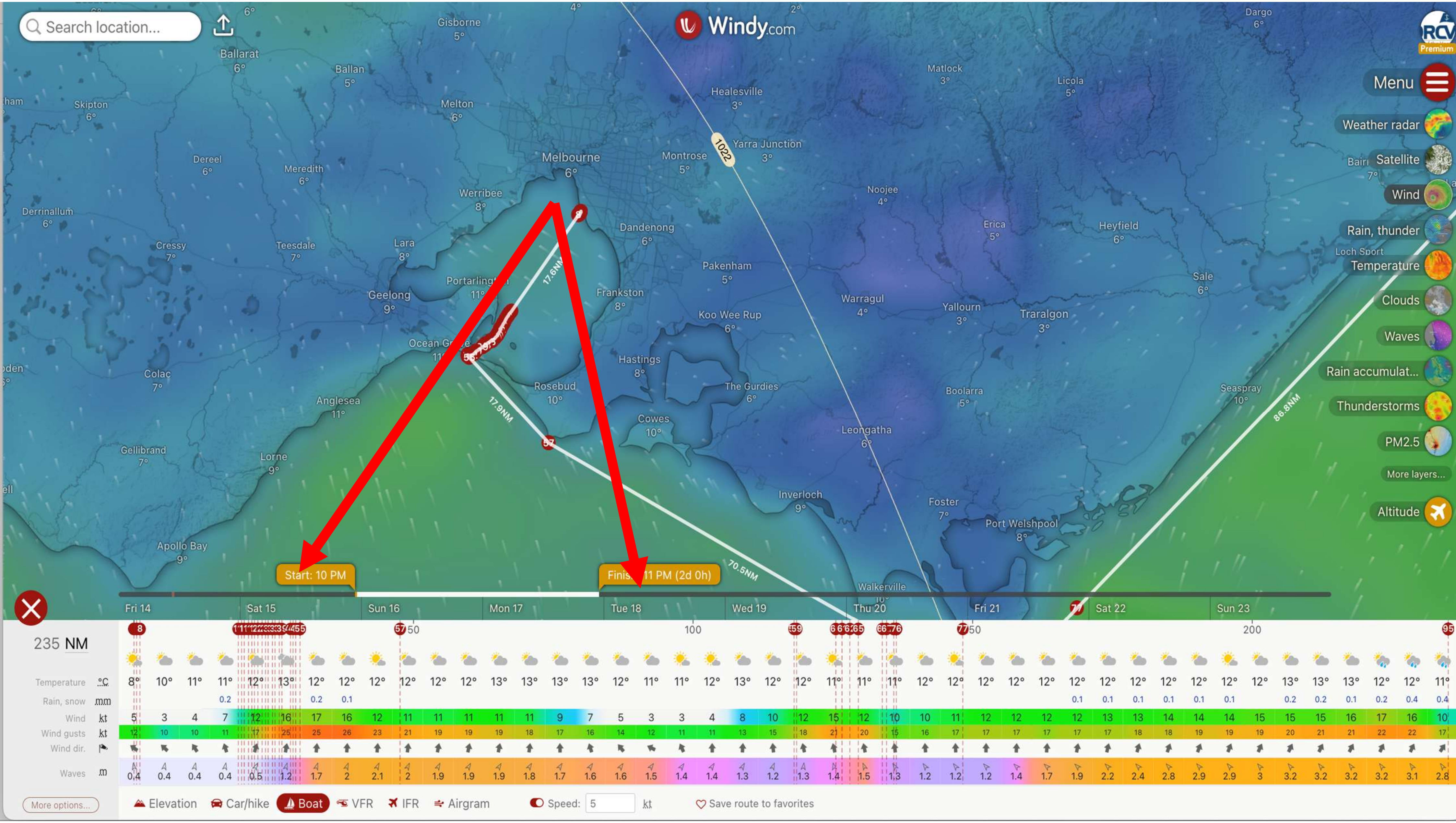
Thu 20
Fri 21
Sat 22
Sun 23
235 NM
Temperature °C
Rain, snow mm
Wind kt
Wind gusts kt
Wind dir.
Waves m
More options...
Elevation
Car/hike
Boat
VFR
IFR
Airgram
Speed: 5 kt
Save route to favorites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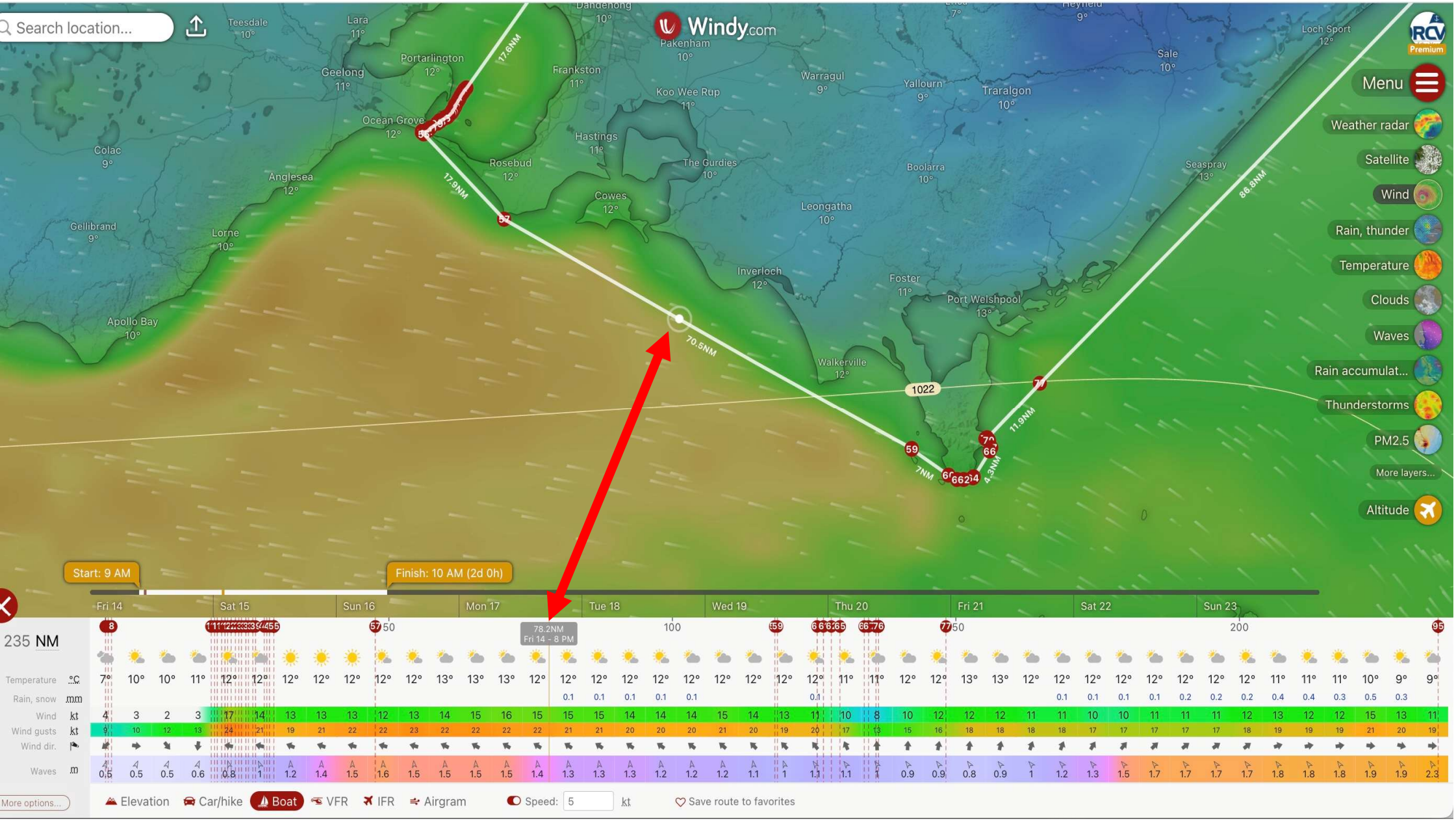
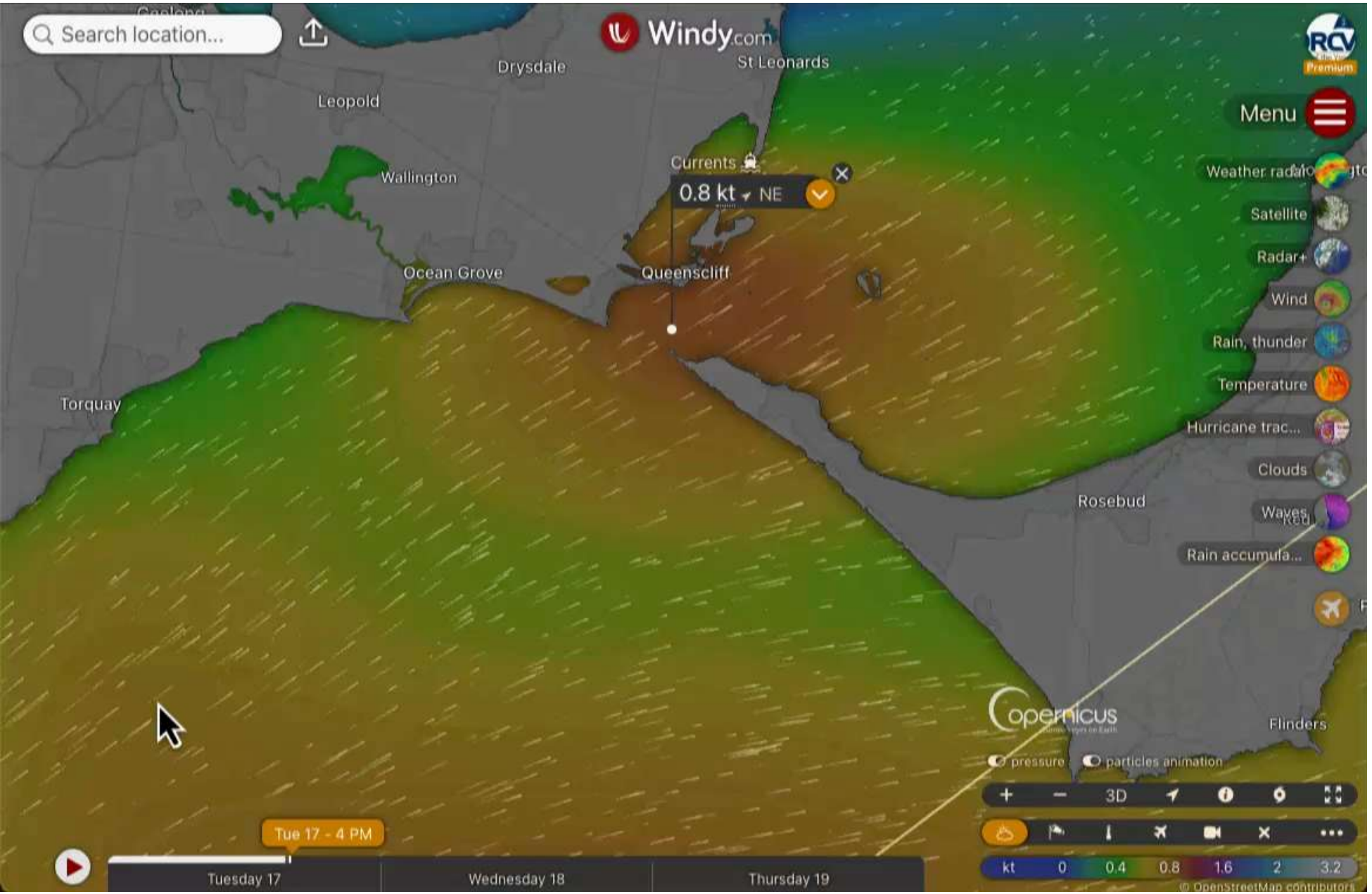
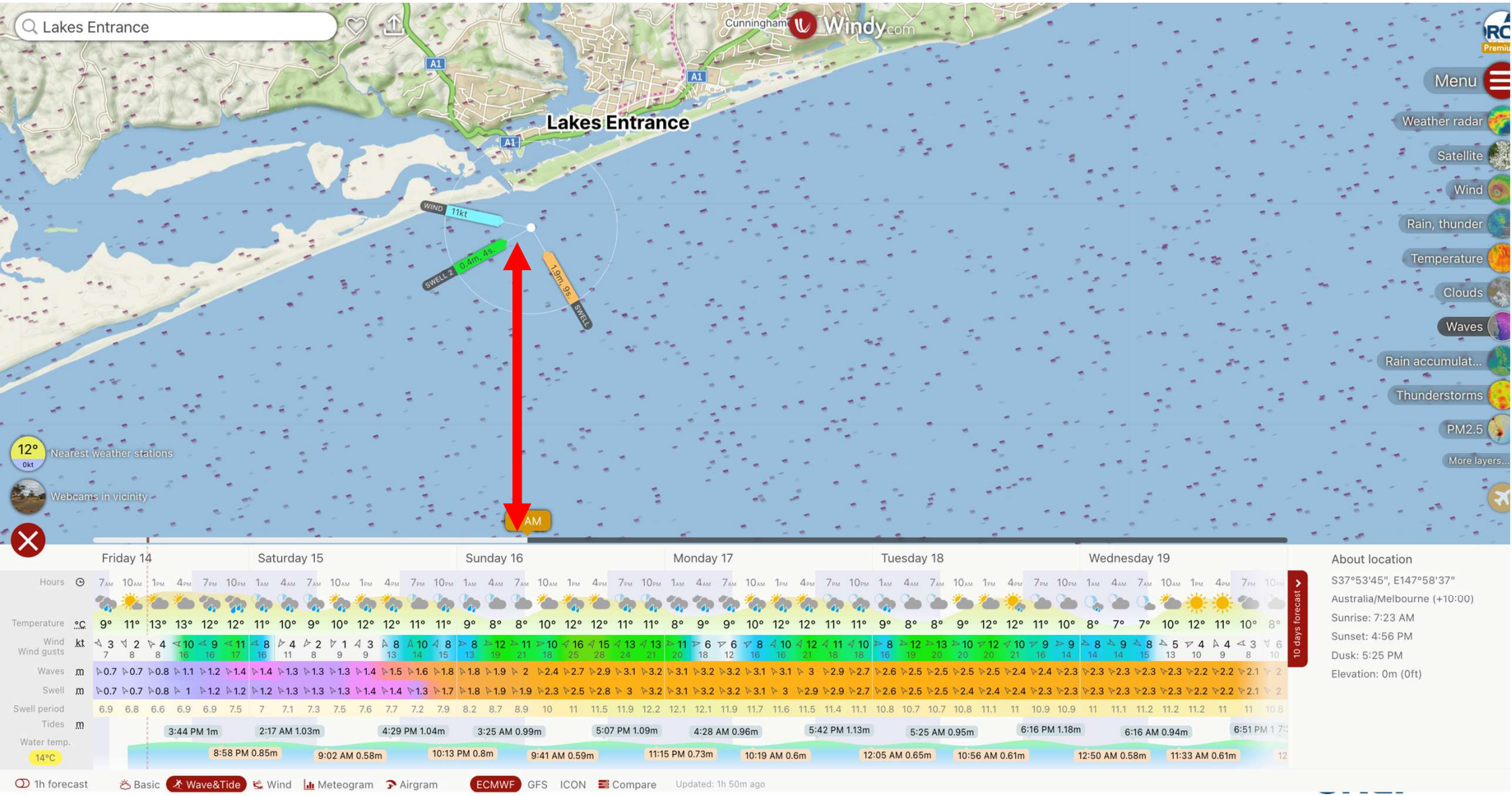
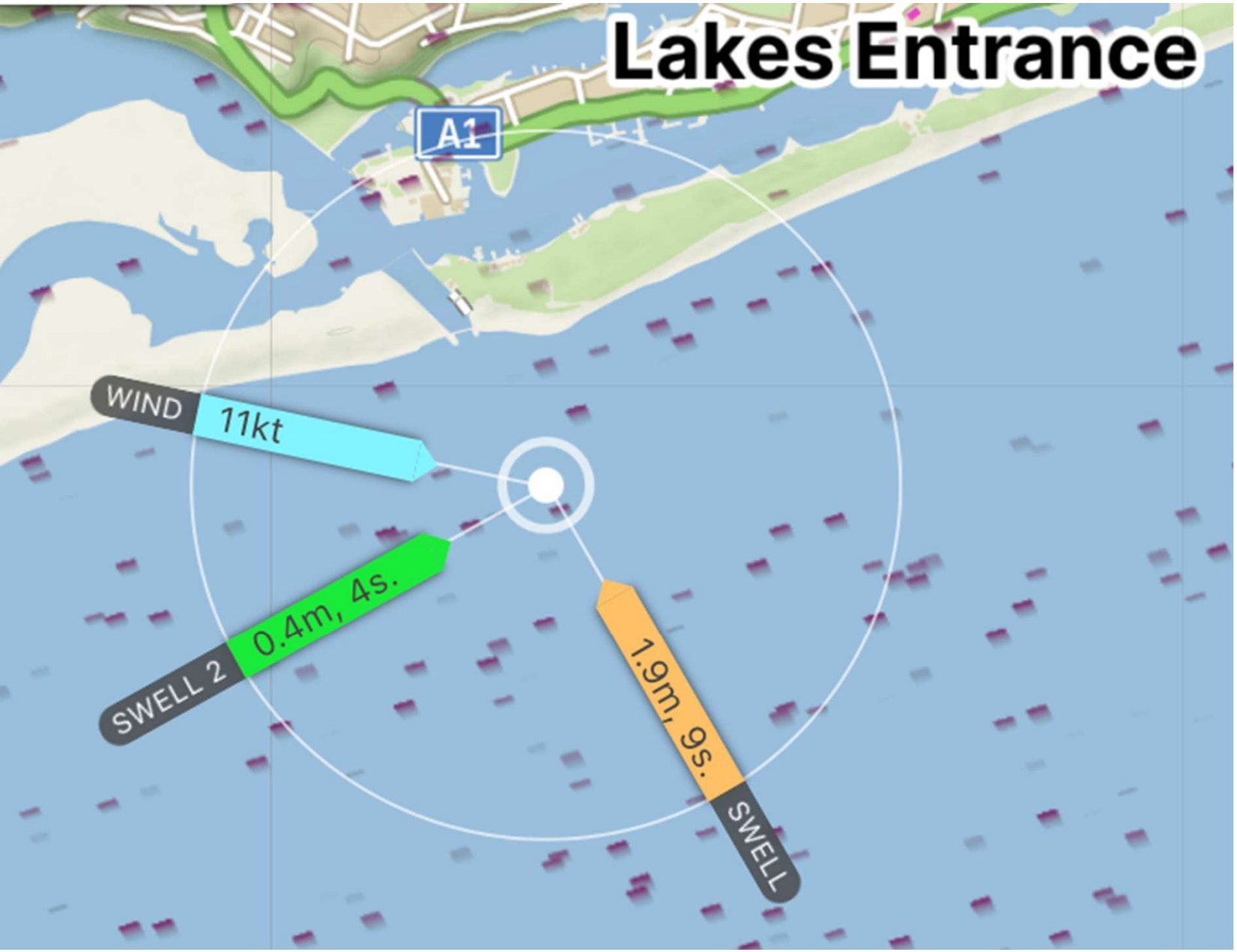
Windy.com
RCV
Premium
Menu
Weather radar
Satellite
Wind
Rain, thunder
Temperature
Clouds
Waves
Rain accumulat...
Thunderstorms
PM2.5
More layers...
Altitude
Ballarat 6°
Gisborne 5°
Ballan 5°
Melton 6°
Skipton 6°
Dereel 6°
Meredith 6°
Melbourne 6°
Werribee 8°
Healesville 3°
Matlock 3°
Licola 5°
Dargo 6°
Yarra Junction 3°
Montrose 5°
Nooje 4°
Dandenong 6°
Erica 5°
Heyfield 6°
Derrinallum 6°
Cressy 7°
Teesdale 7°
Lara 8°
Pakenham 5°
Geelong 9°
Portarlington 11°
Frankston 8°
Warragul 4°
Yallourn 3°
Traralgon 3°
Sale 6°
Koo Wee Rup 6°
Ocean Grove 11°
Hastings 8°
Colac 7°
Anglesea 11°
Rosebud 10°
The Gurdies 6°
Boolarra 5°
Seaspray 10°
Cowes 10°
Leongatha 6°
Gellibrand 7°
Lorne 9°
Inverloch 9°
Foster 7°
Port Welshpool 8°
Apollo Bay 9°
Walkerville
1022
17.6NM
17.9NM
70.5NM
86.8NM
Start: 10 PM
Finish: 11 PM (2d 0h)
Fri 14
Sat 15
Sun 16
Mon 17
Tue 18
Wed 19
Thu 20
Fri 21
Sat 22
Sun 23
235 NM
50
100
150
200
Temperature °C
Rain, snow mm
Wind kt
Wind gusts kt
Wind dir.
Waves m
8° 10° 11° 11° 12° 13° 12° 12° 12° 12° 12° 12° 13° 13° 13° 13° 12° 11° 11° 12° 13° 12° 12° 11° 11° 12° 12° 12° 12° 12° 12° 12° 12° 12° 12° 12° 12° 13° 13° 13° 12° 12° 11°
5 3 4 7 12 16 17 16 12 11 11 11 11 11 9 7 5 3 3 4 8 10 12 15 12 10 10 11 12 12 12 12 13 13 14 14 14 15 15 15 16 17 16 10
0.4 0.4 0.4 0.4 0.5 1.2 1.7 2 2.1 2 1.9 1.9 1.9 1.8 1.7 1.6 1.6 1.5 1.4 1.4 1.3 1.2 1.3 1.4 1.5 1.3 1.2 1.2 1.2 1.4 1.7 1.9 2.2 2.4 2.8 2.9 2.9 3 3.2 3.2 3.2 3.2 3.1 2.8
More options...
Elevation
Car/hike
Boat
VFR
IFR
Airgram
Speed: 5 kt
Save route to favorites


Search location...
Windy.com
Menu
Weather radar
Satellite
Wind
Rain, thunder
Temperature
Clouds
Waves
Rain accumulat...
Thunderstorms
PM2.5
More layers...
Altitude
Start: 9 AM
Finish: 10 AM (2d 0h)
Fri 14
Sat 15
Sun 16
Mon 17
Tue 18
Wed 19
Thu 20
Fri 21
Sat 22
Sun 23
78.2NM
Fri 14 - 8 PM
235 NM
Temperature °C
Rain, snow mm
Wind kt
Wind gusts kt
Wind dir.
Waves m
Elevation
Car/hike
Boat
VFR
IFR
Airgram
Speed: 5 kt
Save route to favorites
More options...


Search location...
Windy.com
Drysdale
St Leonards
Leopold
Wallington
Currents
0.8 kt NE
Ocean Grove
Queenscliff
Torquay
Rosebud
Flinders
Menu
Weather radar
Satellite
Radar+
Wind
Rain, thunder
Temperature
Hurricane trac...
Clouds
Waves
Rain accumula...
Premium
Copernicus
pressure
particles animation
3D
kt 0 0.4 0.8 1.6 2 3.2
© OpenStreetMap contributors
Tue 17 - 4 PM
Tuesday 17
Wednesday 18
Thursday 19


Search location...
Windy.com
Wind
16 kt S
Gusts
9°
Bemm River
12°
Bairnsdale
10°
Lakes Entrance
10°
Erica
8°
Heyfield
11°
Loch Sport
11°
Sale
12°
Yallourn
10°
Traralgon
11°
Boolarra
10°
Seaspray
12°
Port Welshpool
12°
Weather radar
Satellite
Wind
Rain, thunder
Temperature
Clouds
Waves
Rain accumulat...
Thunderstorms
PM2.5
More layers...
Altitude
particles animation
pressure
3D
ECMWF 9km
GFS 22km
ACCESS 12km
ICON 13km
kt 0 5 10 20 30 40 60
Monday 17 - 10 AM
Fri 14
Sat 15
Sun 16
Mon 17
Tue 18
Wed 19
Thu 20
Fri 21
Sat 22
Sun 23
Premium
Rain, thunder
Rain accumulation
New snow
Snow depth
Precipitation type
Thunderstorms
Clouds, aviation
Clouds
High clouds
Medium clouds
Low clouds
Fog
Cloud tops
Cloud base
Visibility
CAPE Index
Thermals
Icing
Freezing altitude
Clear air turbulence
Pressure
Waves, sea
Waves
Swell
Swell 2
Swell 3
Wind waves
Sea temperature
Currents
Tidal currents
Air quality
NO₂
PM2.5
Aerosol
Ozone layer


Lakes Entrance
Windy.com
Lakes Entrance
A1
WIND 11kt
SWELL 2 0.4m 4s
1.9m 9s SWELL
Menu
Weather radar
Satellite
Wind
Rain, thunder
Temperature
Clouds
Waves
Rain accumulat...
Thunderstorms
PM2.5
More layers...
12°
0kt
Nearest weather stations
Webcams in vicinity
AM
Friday 14
Saturday 15
Sunday 16
Monday 17
Tuesday 18
Wednesday 19
Hours
Temperature °C
Wind Wind gusts kt
Waves m
Swell m
Swell period
Tides m
Water temp.
14°C
3:44 PM 1m
2:17 AM 1.03m
4:29 PM 1.04m
3:25 AM 0.99m
5:07 PM 1.09m
4:28 AM 0.96m
5:42 PM 1.13m
5:25 AM 0.95m
6:16 PM 1.18m
6:16 AM 0.94m
8:58 PM 0.85m
9:02 AM 0.58m
10:13 PM 0.8m
9:41 AM 0.59m
11:15 PM 0.73m
10:19 AM 0.6m
12:05 AM 0.65m
10:56 AM 0.61m
12:50 AM 0.58m
11:33 AM 0.61m
10 days forecast
About location
S37°53'45", E147°58'37"
Australia/Melbourne (+10:00)
Sunrise: 7:23 AM
Sunset: 4:56 PM
Dusk: 5:25 PM
Elevation: 0m (0ft)
1h forecast
Basic
Wave&Tide
Wind
Meteogram
Airgram
ECMWF
GFS
ICON
Compare
Updated: 1h 50m ago

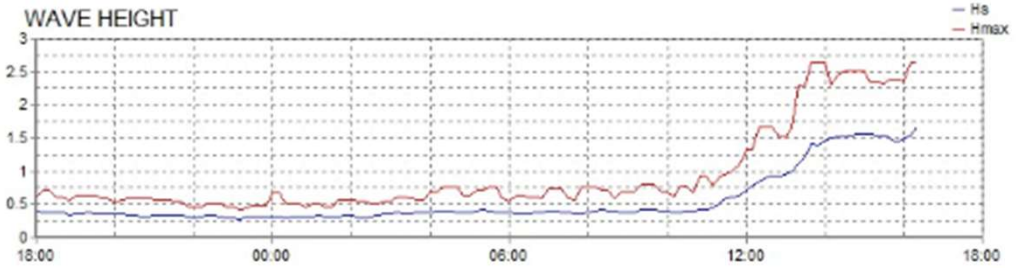

Lakes Entrance
A1
WIND
11kt
SWELL 2
0.4m, 4s.
1.9m, 9s.
SWELL

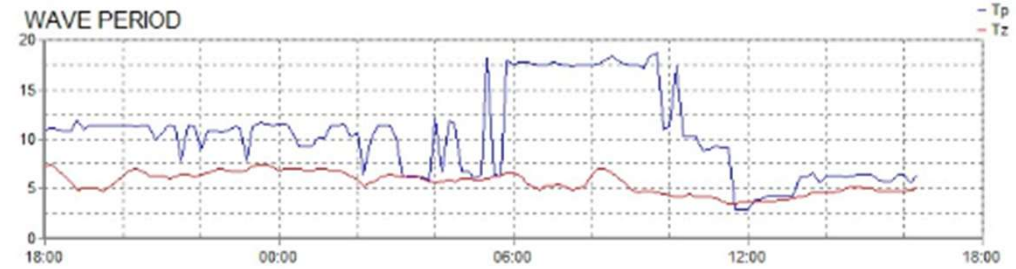
Gippsland Ports

Waves

Offshore Wave Buoy

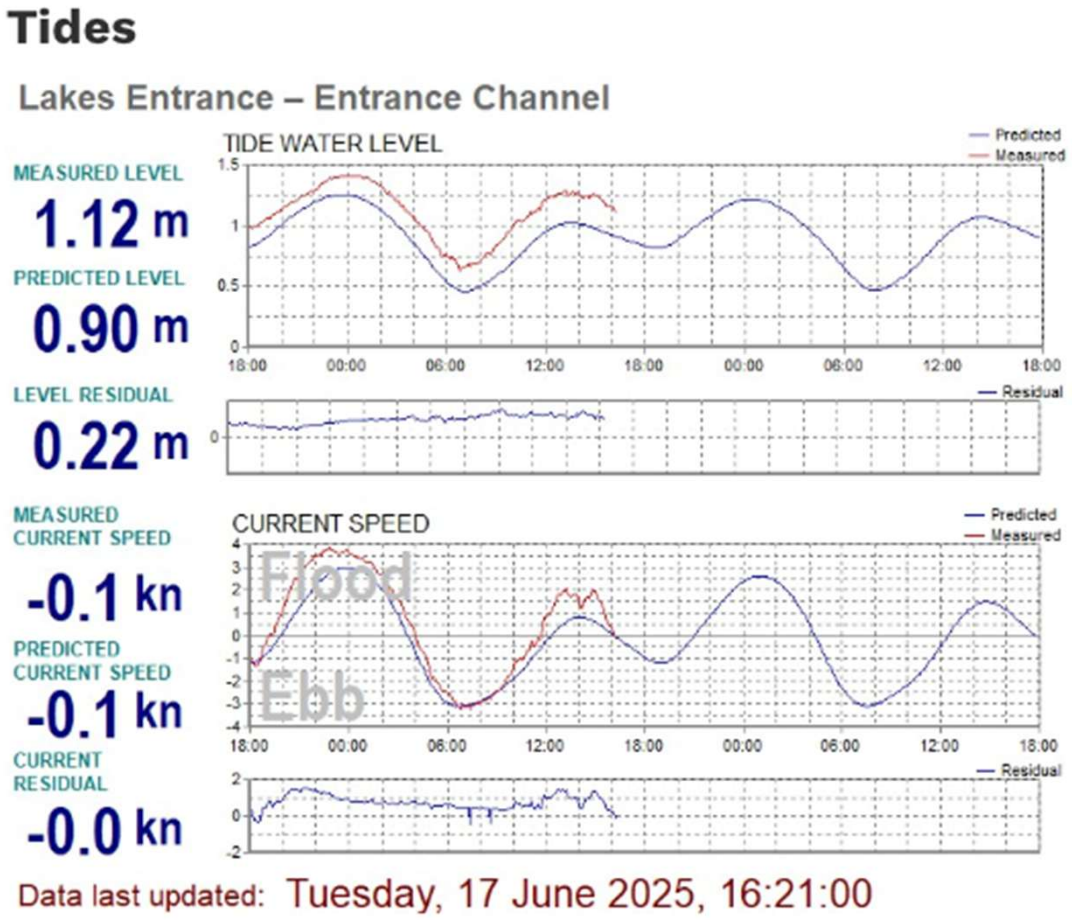
Significant Wave Height (Hs)	Maximum Wave Height (Hmax)	Peak Wave Period (Tp)	Average Wave Period (Tz)	Wave Direction	Water Temperature (°C)
1.7 m	2.7 m	6.5 sec	5.1 sec	213°	14.7°



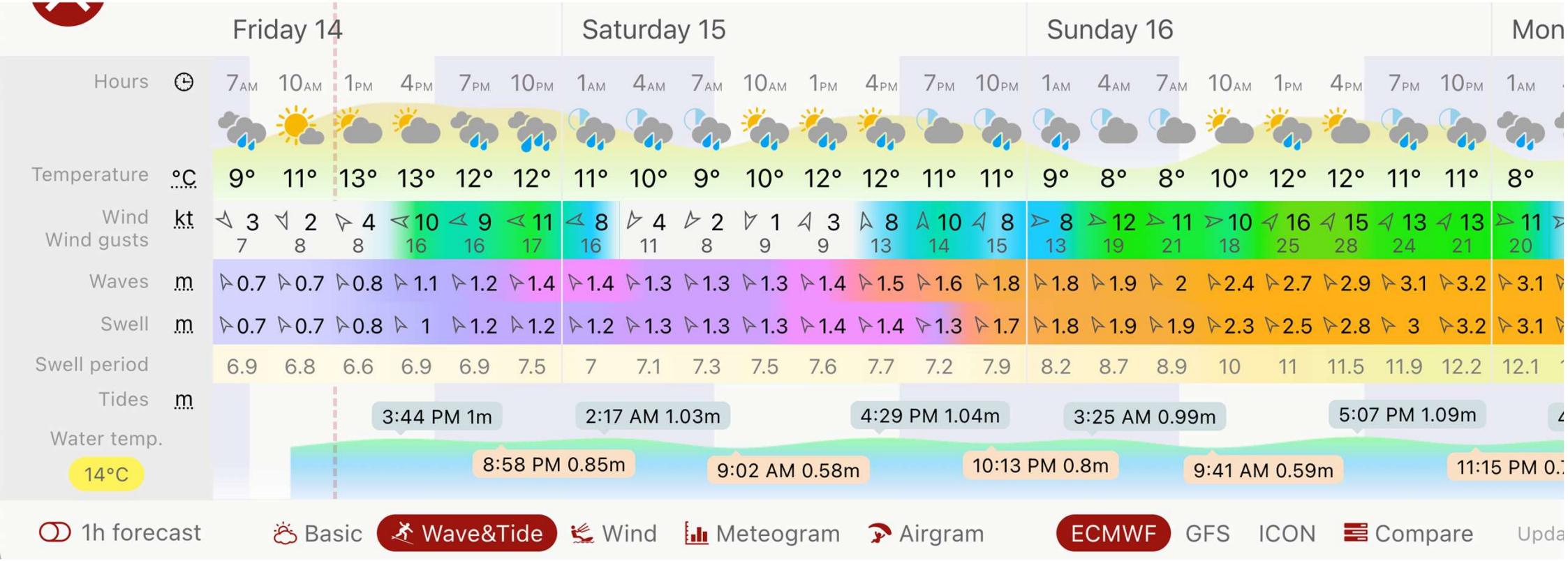


Data last updated: Tuesday, 17 June 2025, 16:20:00

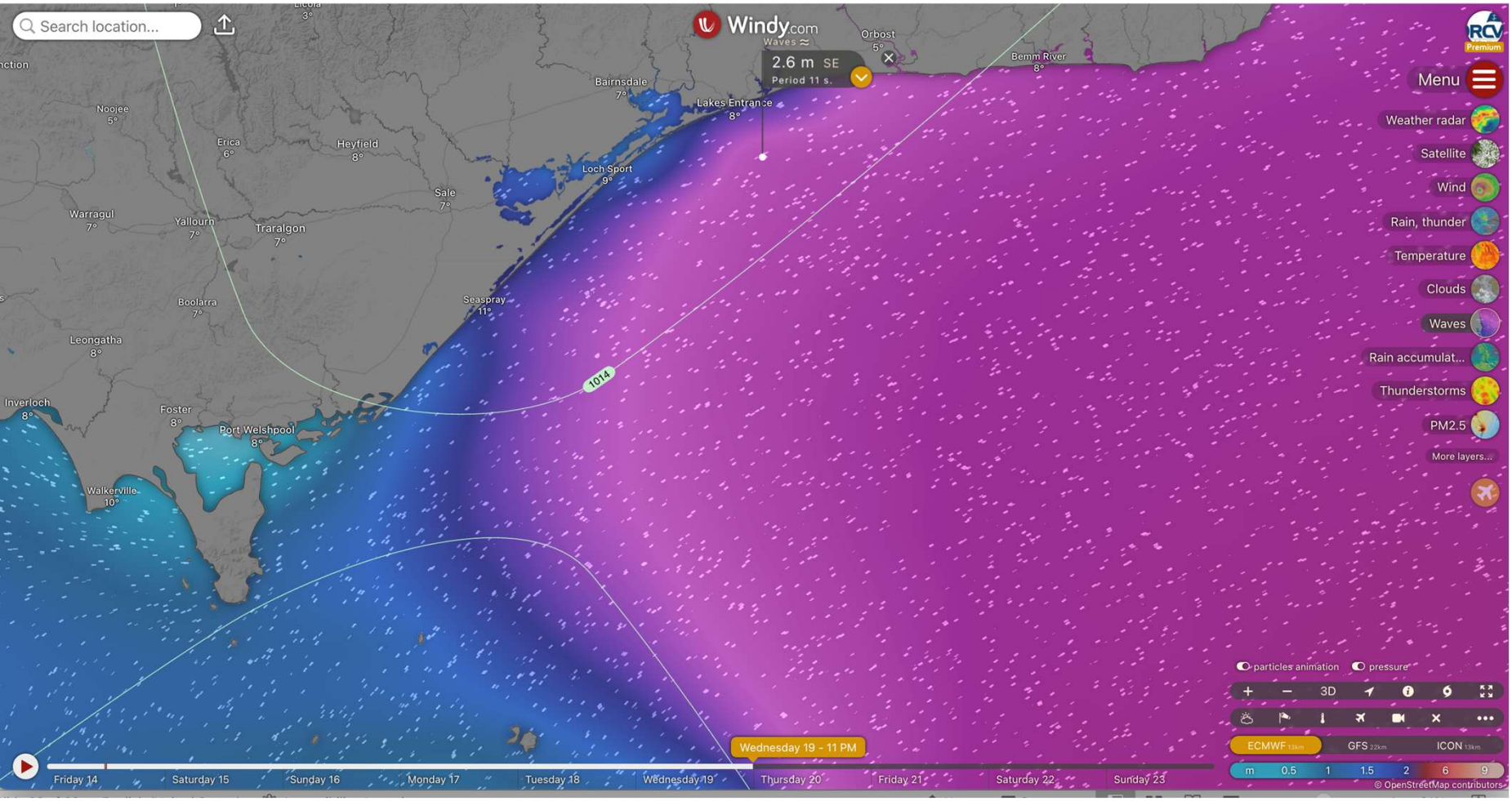
Gippsland Ports

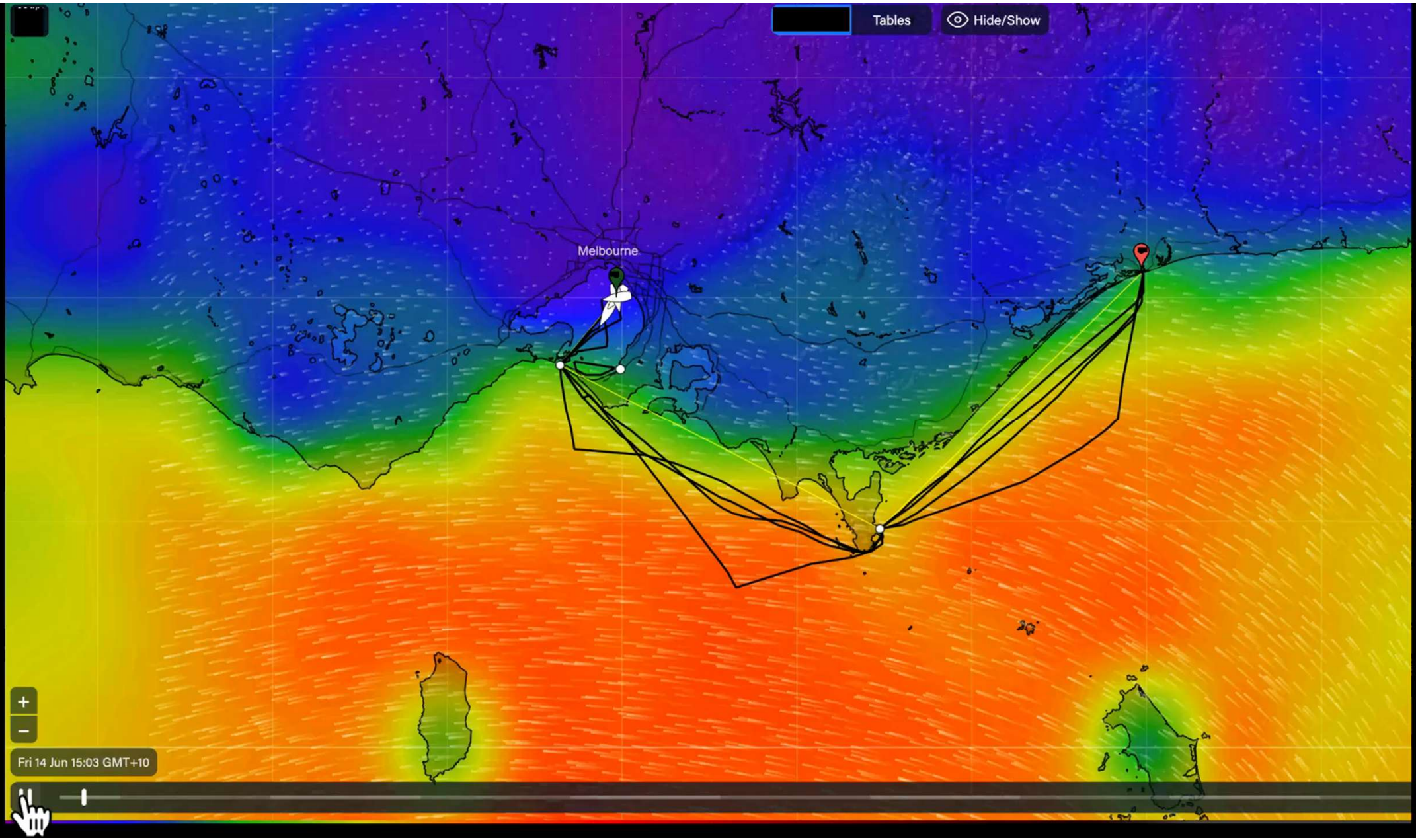


Don’t forget the
Coast. Guard.
0448 420 704
for local information


Friday 14
Saturday 15
Sunday 16
Mon
Hours
7AM 10AM 1PM 4PM 7PM 10PM 1AM 4AM 7AM 10AM 1PM 4PM 7PM 10PM 1AM 4AM 7AM 10AM 1PM 4PM 7PM 10PM 1AM
Temperature °C
9° 11° 13° 13° 12° 12° 11° 10° 9° 10° 12° 12° 11° 11° 9° 8° 8° 10° 12° 12° 11° 11° 8°
Wind kt
Wind gusts
3 2 4 10 9 11 8 4 2 1 3 8 10 8 8 12 11 10 16 15 13 13 11
7 8 8 16 16 17 16 11 8 9 9 13 14 15 13 19 21 18 25 28 24 21 20
Waves m
0.7 0.7 0.8 1.1 1.2 1.4 1.4 1.3 1.3 1.3 1.4 1.5 1.6 1.8 1.8 1.9 2 2.4 2.7 2.9 3.1 3.2 3.1
Swell m
0.7 0.7 0.8 1 1.2 1.2 1.2 1.3 1.3 1.3 1.4 1.4 1.3 1.7 1.8 1.9 1.9 2.3 2.5 2.8 3 3.2 3.1
Swell period
6.9 6.8 6.6 6.9 6.9 7.5 7 7.1 7.3 7.5 7.6 7.7 7.2 7.9 8.2 8.7 8.9 10 11 11.5 11.9 12.2 12.1
Tides m
3:44 PM 1m
2:17 AM 1.03m
4:29 PM 1.04m
3:25 AM 0.99m
5:07 PM 1.09m
Water temp.
14°C
8:58 PM 0.85m
9:02 AM 0.58m
10:13 PM 0.8m
9:41 AM 0.59m
11:15 PM 0.
1h forecast
Basic
Wave&Tide
Wind
Meteogram
Airgram
ECMWF
GFS
ICON
Compare
Upda

Windy Waves

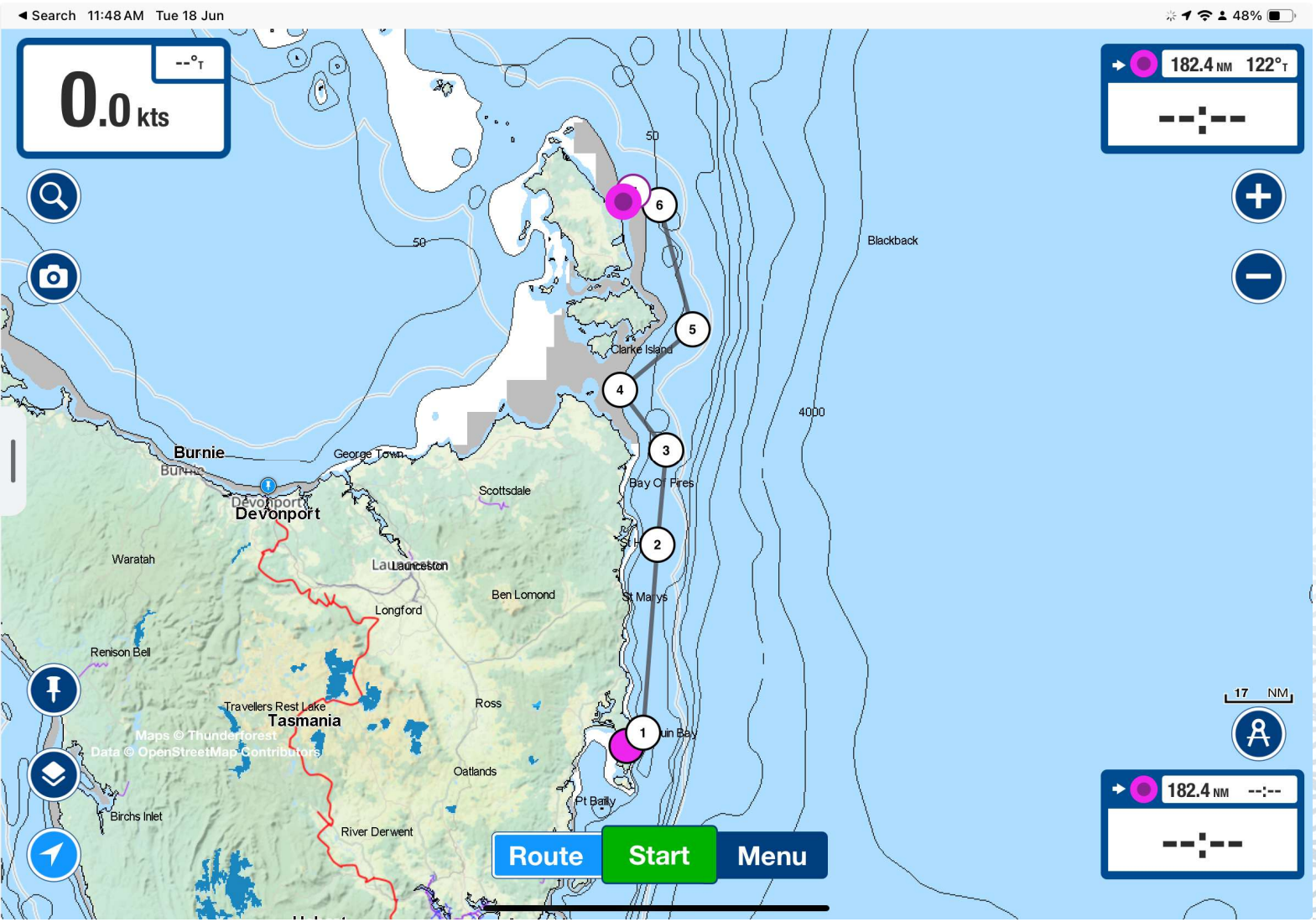

Search location...
Windy.com
Waves ≈
2.6 m SE
Period 11 s.
Orbost
5°
Bemm River
8°
Bairnsdale
7°
Lakes Entrance
8°
Noojee
5°
Erica
6°
Heyfield
8°
Loch Sport
9°
Sale
7°
Warragul
7°
Yallourn
7°
Traralgon
7°
Boolarra
7°
Seaspray
11°
Leongatha
8°
Inverloch
8°
Foster
8°
Port Welshpool
8°
Walkerville
10°
1014
Menu
Weather radar
Satellite
Wind
Rain, thunder
Temperature
Clouds
Waves
Rain accumulat...
Thunderstorms
PM2.5
More layers...
particles animation
pressure
3D
ECMWF
GFS
ICON
m
0.5
1
1.5
2
6
9
Wednesday 19 - 11 PM
Friday 14
Saturday 15
Sunday 16
Monday 17
Tuesday 18
Wednesday 19
Thursday 20
Friday 21
Saturday 22
Sunday 23
© OpenStreetMap contributors

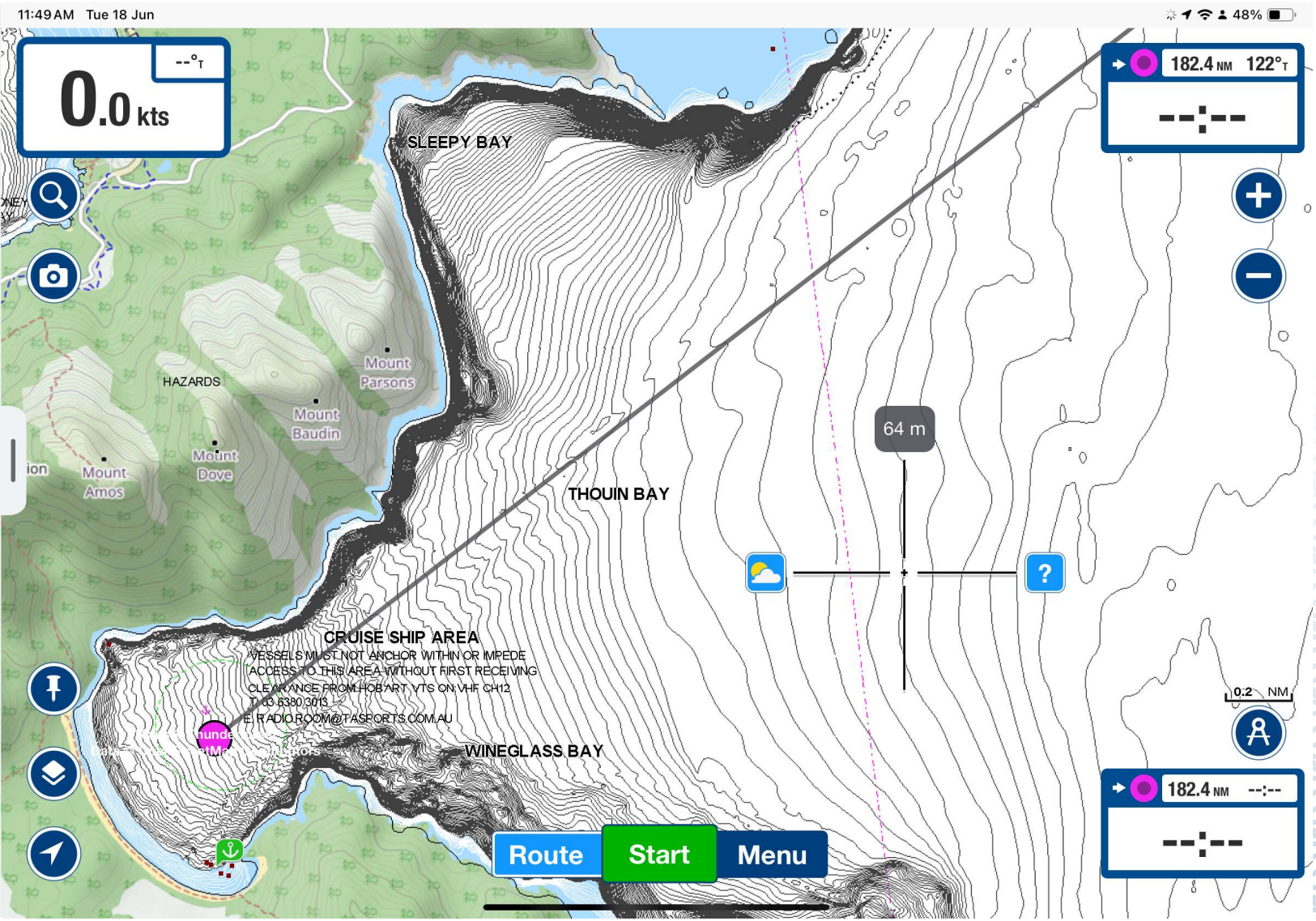

Tables
Hide/Show
Melbourne
Fri 14 Jun 15:03 GMT+10

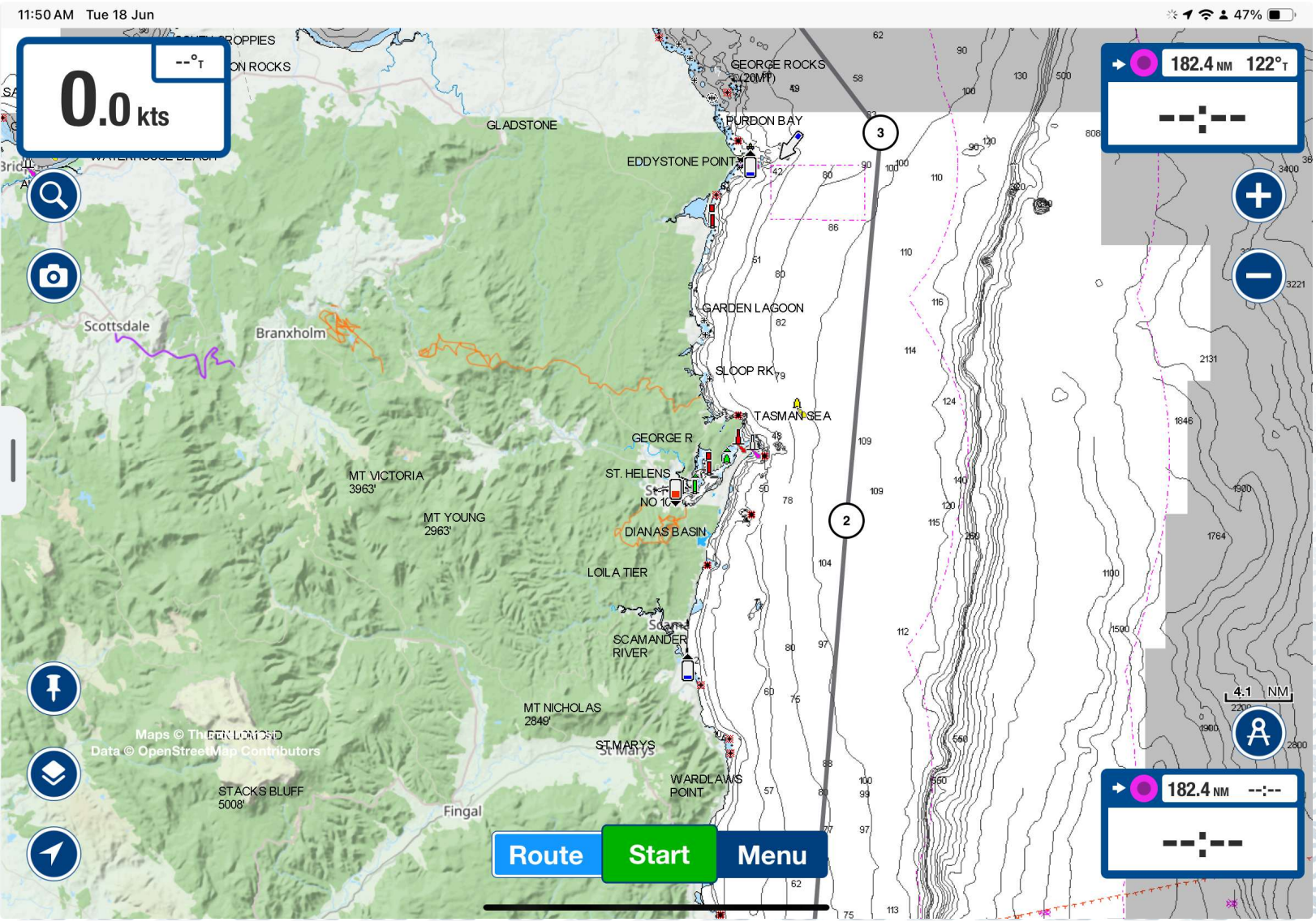
Navigation Planning

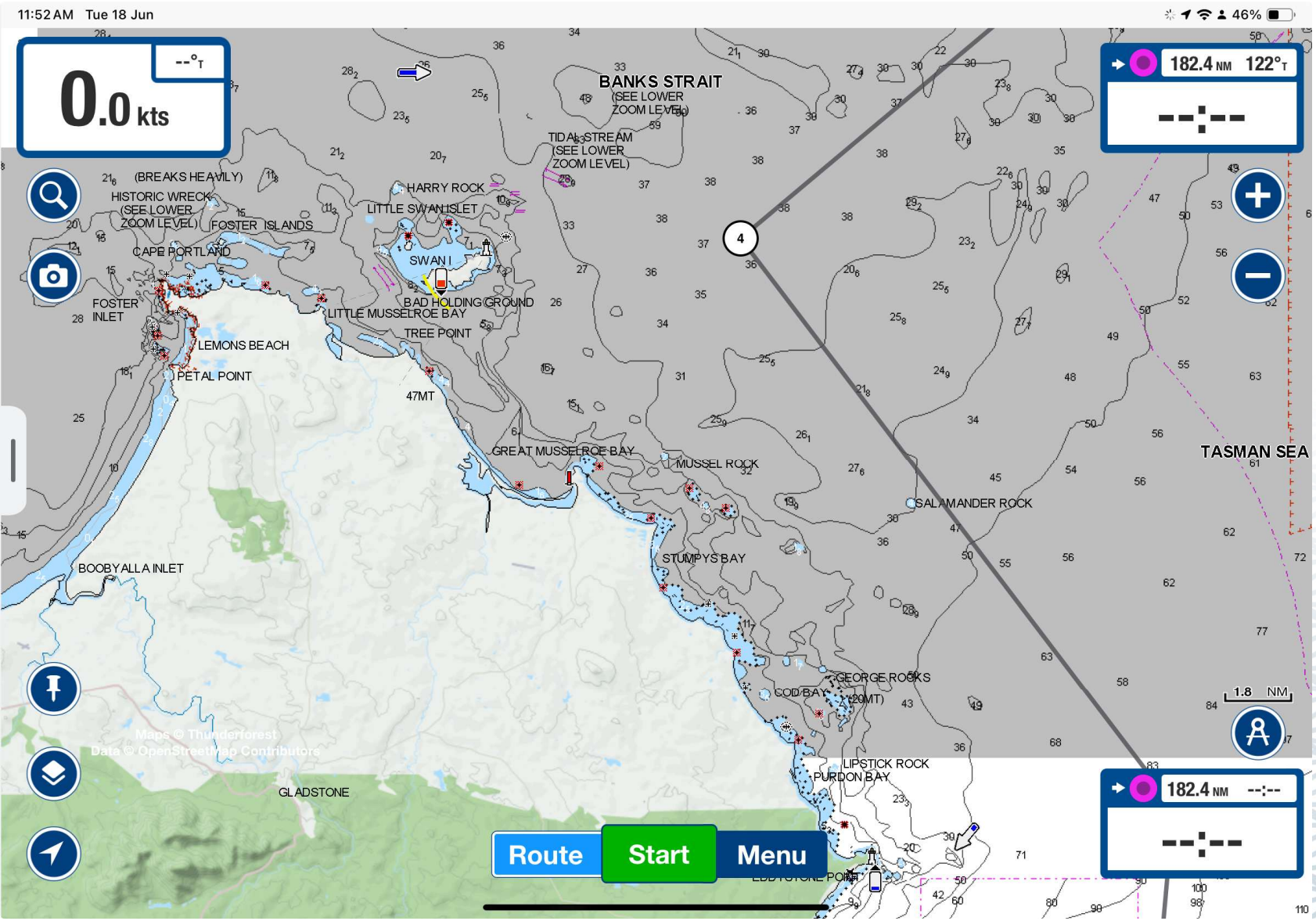
Safe Habours

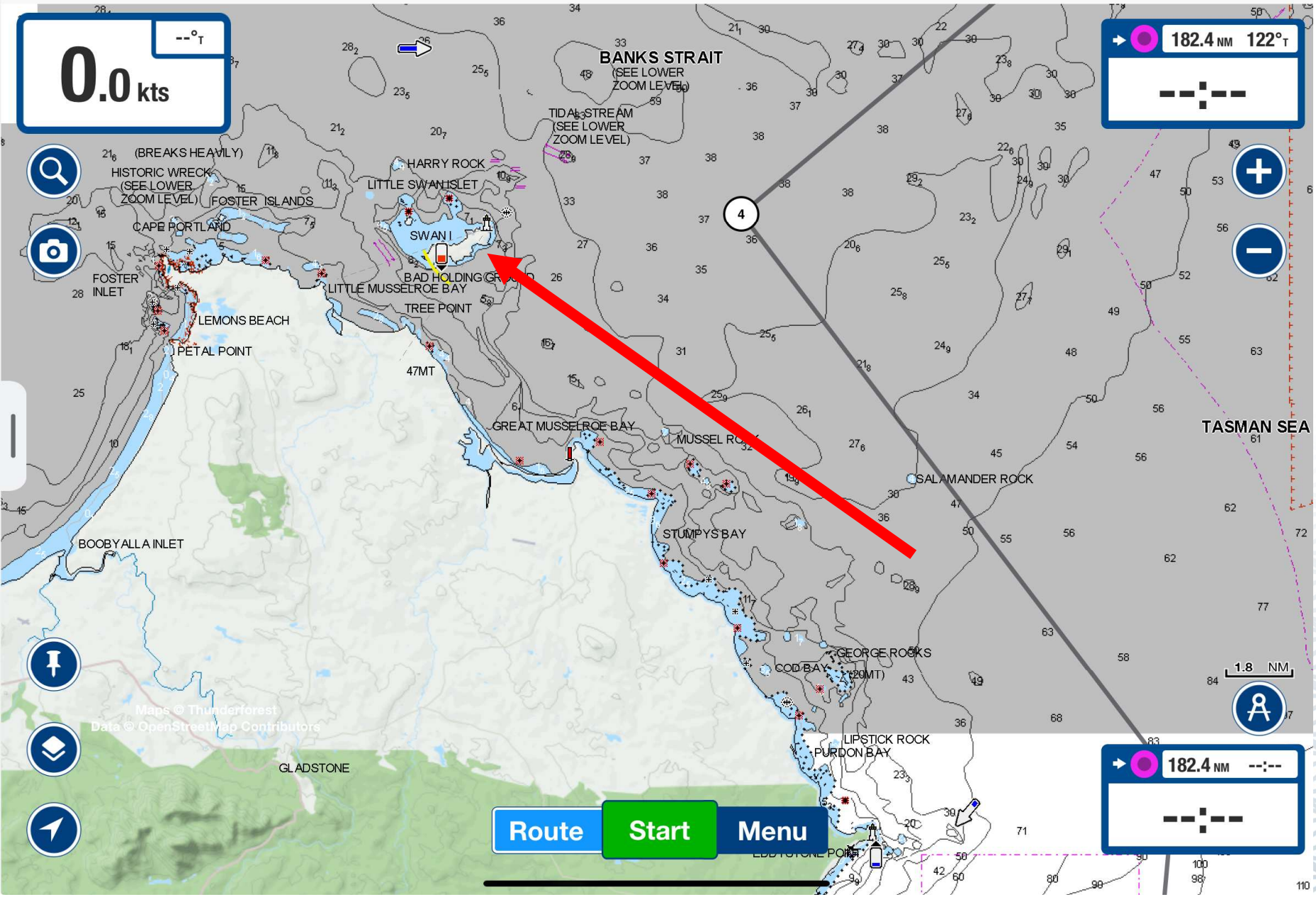
- **How easy is it to enter?**
- **What winds is it safe for?**
- **Is tide a factor?**
- **Is sea state a factor?**
- **Are we being unrealistic in our departure time?**

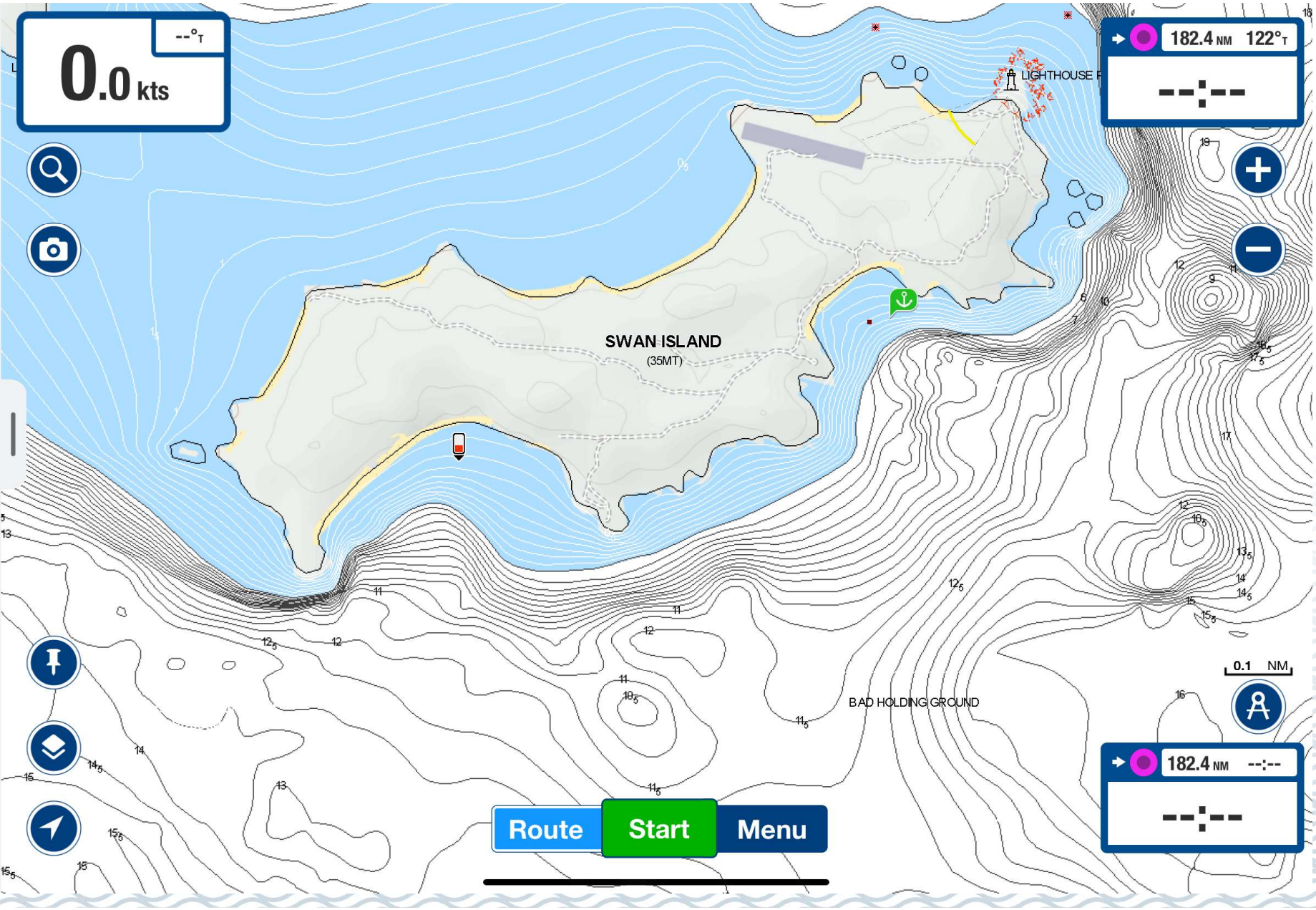

◂ Search 11:48 AM Tue 18 Jun
48%
0.0 kts
--°T
182.4 NM 122°T
--:--
Blackback
Clarke Island
Burnie
George Town
Devonport
Scottsdale
Bay Of Fires
Waratah
Launceston
Ben Lomond
St Marys
Longford
Renison Bell
Travellers Rest Lake
Tasmania
Ross
Maps © Thunderforest
Data © OpenStreetMap Contributors
Oatlands
Pt Bailly
Birchs Inlet
River Derwent
Route
Start
Menu
17 NM
182.4 NM --:--
--:--
ORCV


11:49 AM Tue 18 Jun
48%
0.0 kts
--°T
182.4 NM 122°T
--:--
SLEEPY BAY
HAZARDS
Mount Parsons
Mount Baudin
Mount Dove
Mount Amos
64 m
THOUIN BAY
CRUISE SHIP AREA
VESSELS MUST NOT ANCHOR WITHIN OR IMPEDE
ACCESS TO THIS AREA WITHOUT FIRST RECEIVING
CLEARANCE FROM HOBART VTS ON VHF CH12
T: 03 6380 3013
E: RADIO.ROOM@TASPORTS.COM.AU
WINEGLASS BAY
0.2 NM
182.4 NM --:--
--:--
Route
Start
Menu


11:50 AM Tue 18 Jun
47%
0.0 kts
--°T
182.4 NM 122°T
--:--
GLADSTONE
PURDON BAY
EDDYSTONE POINT
GEORGE ROCKS (20M)
GARDEN LAGOON
SLOOP RK
TASMAN SEA
GEORGE R
ST. HELENS
DIANAS BASIN
LOILA TIER
SCAMANDER RIVER
MT VICTORIA 3963'
MT YOUNG 2963'
MT NICHOLAS 2849'
ST MARYS
WARDLAWS POINT
STACKS BLUFF 5008'
Fingal
Scottsdale
Branxholm
Maps © TheLoMond
Data © OpenStreetMap Contributors
4.1 NM
182.4 NM --:--
--:--
Route
Start
Menu


11:52 AM Tue 18 Jun
46%
0.0 kts
--°T
182.4 NM 122°T
--:--
BANKS STRAIT
(SEE LOWER ZOOM LEVEL)
TIDAL STREAM (SEE LOWER ZOOM LEVEL)
(BREAKS HEAVILY)
HISTORIC WRECK (SEE LOWER ZOOM LEVEL)
FOSTER ISLANDS
HARRY ROCK
LITTLE SWAN ISLET
SWAN I
CAPE PORTLAND
FOSTER INLET
BAD HOLDING GROUND
LITTLE MUSSELROE BAY
TREE POINT
LEMONS BEACH
PETAL POINT
47MT
GREAT MUSSELROE BAY
MUSSEL ROCK
TASMAN SEA
SALAMANDER ROCK
STUMPYS BAY
BOOBYALLA INLET
GEORGE ROCKS
COD BAY
(20MT)
LIPSTICK ROCK
PURDON BAY
GLADSTONE
EDDYSTONE POINT
1.8 NM
182.4 NM --:--
--:--
Route
Start
Menu
Maps © Thunderforest
Data © OpenStreetMap Contributors
ORCV


0.0 kts
--°T
182.4 NM 122°T
--:--
BANKS STRAIT
(SEE LOWER ZOOM LEVEL)
TIDAL STREAM
(SEE LOWER ZOOM LEVEL)
(BREAKS HEAVILY)
HISTORIC WRECK
(SEE LOWER ZOOM LEVEL)
FOSTER ISLANDS
HARRY ROCK
LITTLE SWAN ISLET
SWAN I
CAPE PORTLAND
FOSTER INLET
BAD HOLDING GROUND
LITTLE MUSSELROE BAY
TREE POINT
LEMONS BEACH
PETAL POINT
47MT
GREAT MUSSELROE BAY
MUSSEL ROCK
TASMAN SEA
SALAMANDER ROCK
STUMPYS BAY
BOOBYALLA INLET
GEORGE ROCKS
COD BAY
(20MT)
LIPSTICK ROCK
PURDON BAY
GLADSTONE
EDDYSTONE POINT
1.8 NM
182.4 NM --:--
--:--
Route
Start
Menu
Maps © Thunderforest
Data © OpenStreetMap Contributors
ORCV


0.0 kts
--°T
182.4 NM 122°T
--:--
SWAN ISLAND
(35MT)
LIGHTHOUSE
BAD HOLDING GROUND
0.1 NM
182.4 NM --:--
--:--
Route
Start
Menu

What ChatGPT has to say about the Island

Pros

1. **Shelter**: The island can provide some shelter from prevailing winds, particularly from the west. However, the level of protection may vary depending on weather conditions.
2. **Scenery and Wildlife**: The island offers beautiful natural scenery and abundant wildlife, making it an interesting spot for nature enthusiasts.

Cons

1. **Exposure to Weather**: The island is exposed to the elements from the Bass Strait, especially easterly and northeasterly winds, which can make anchoring challenging.
2. **Limited Facilities**: There are no facilities or services available on the island for boats or visitors.
3. **Depth and Holding Ground**: The anchoring depths and holding ground around Swan Island might not be ideal. It's essential to have good anchoring equipment and to be cautious about the seabed conditions.

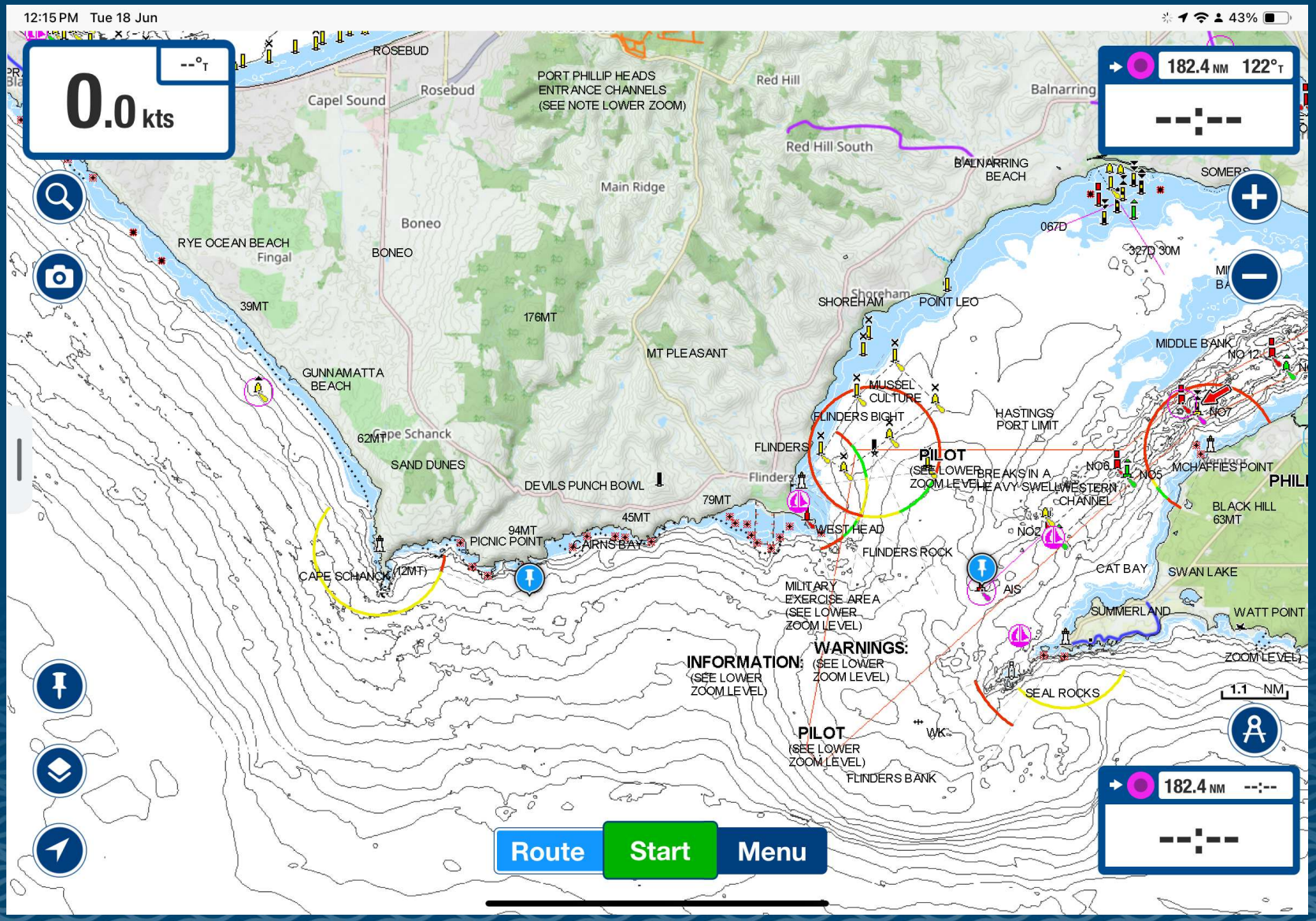
ChatGpt’s Recommendations

Recommendations

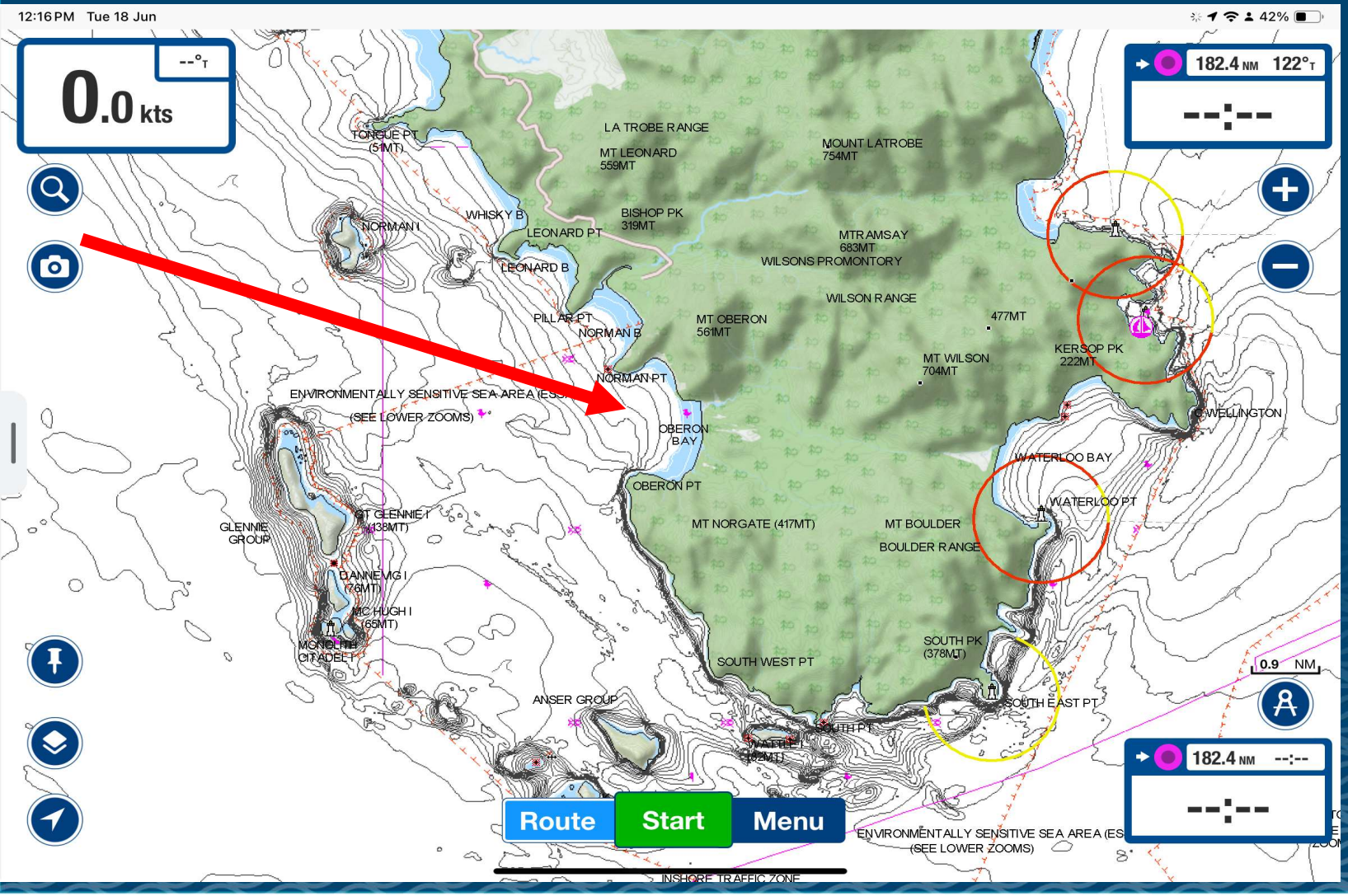
- **Weather Check**: Always check the weather forecast before planning to anchor near Swan Island, as conditions can change rapidly.
- **Good Anchoring Gear**: Ensure you have reliable anchoring equipment suitable for potentially challenging conditions.
- **Navigation Charts**: Use detailed navigation charts to understand the depths and seabed conditions around the island.
- **Alternative Anchorages**: Consider nearby alternatives for anchoring, such as Waterhouse Island or the sheltered bays along Tasmania’s northeastern coast, which might offer better protection and conditions.

In summary, while Swan Island can provide a unique and scenic anchoring experience, it may not be the best spot for all conditions due to exposure to the elements and limited facilities. Careful planning and preparation are essential.

What are or options for Safe Harbors on our way to Lakes Entrance


12:15 PM Tue 18 Jun
43%
--°T
0.0 kts
182.4 NM 122°T
--:--
ROSEBUD
Capel Sound
Rosebud
PORT PHILLIP HEADS
ENTRANCE CHANNELS
(SEE NOTE LOWER ZOOM)
Red Hill
Balnarring
Red Hill South
BALNARRING
BEACH
Main Ridge
Boneo
RYE OCEAN BEACH
Fingal
BONEO
067D
327D 30M
39MT
176MT
SHOREHAM
POINT LEO
MT PLEASANT
MIDDLE BANK
NO 12
GUNNAMATTA
BEACH
MUSSEL
CULTURE
FLINDERS BIGHT
HASTINGS
PORT LIMIT
NO7
62MT
Cape Schanck
FLINDERS
PILOT
(SEE LOWER
ZOOM LEVEL)
NO6
NO5
MCHAFFIES POINT
SAND DUNES
DEVILS PUNCH BOWL
BREAKS IN A
HEAVY SWELL
WESTERN
CHANNEL
79MT
45MT
94MT
PICNIC POINT
CAIRNS BAY
WEST HEAD
BLACK HILL
63MT
NO2
FLINDERS ROCK
CAPE SCHANCK (12MT)
CAT BAY
SWAN LAKE
AIS
MILITARY
EXERCISE AREA
(SEE LOWER
ZOOM LEVEL)
SUMMERLAND
WATT POINT
WARNINGS:
(SEE LOWER
ZOOM LEVEL)
INFORMATION:
(SEE LOWER
ZOOM LEVEL)
ZOOM LEVEL)
1.1 NM
SEAL ROCKS
PILOT
(SEE LOWER
ZOOM LEVEL)
WK
FLINDERS BANK
182.4 NM --:--
--:--
Route
Start
Menu

Oberon Bay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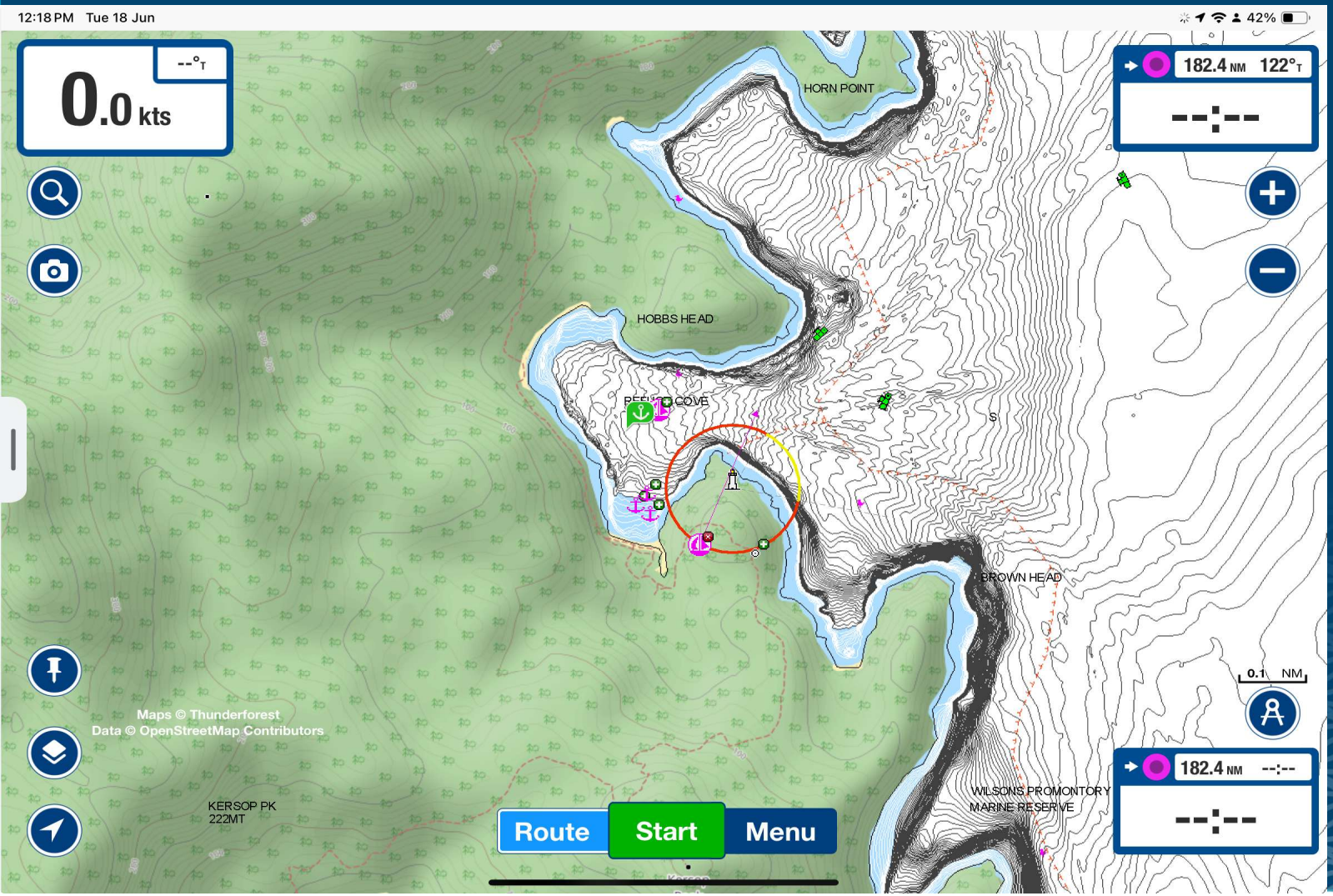
42%
0.0 kts
--°T
182.4 NM 122°T
--:--
LA TROBE RANGE
MT LEONARD 559MT
MOUNT LATROBE 754MT
TONGUE PT (51MT)
WHISKY B
BISHOP PK 319MT
NORMAN I
LEONARD PT
LEONARD B
MT RAMSAY 683MT
WILSONS PROMONTORY
WILSON RANGE
PILLAR PT
NORMAN B
MT OBERON 561MT
477MT
KERSOP PK 222MT
MT WILSON 704MT
NORMAN PT
ENVIRONMENTALLY SENSITIVE SEA AREA (ESS
(SEE LOWER ZOOMS)
OBERON BAY
WELLINGTON
WATERLOO BAY
OBERON PT
WATERLOO PT
MT GLENNIE (438MT)
GLENNIE GROUP
MT NORGATE (417MT)
MT BOULDER
BOULDER RANGE
DANNEVIG I (76MT)
MC HUGH I (65MT)
MONOLITH
CITADEL I
SOUTH PK (378MT)
SOUTH WEST PT
0.9 NM
ANSER GROUP
SOUTH EAST PT
SOUTH PT
182.4 NM --:--
--:--
Route
Start
Menu
ENVIRONMENTALLY SENSITIVE SEA AREA (ES
(SEE LOWER ZOOMS)
INSHORE TRAFFIC ZONE

Refuge Cove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42%
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--°T
182.4 NM 122°T
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HORN POINT
HOBBS HEAD
REFUGE COVE
BROWN HEAD
0.1 NM
182.4 NM --:--
--:--
Maps © Thunderforest
Data © OpenStreetMap Contributors
KERSOP PK
222MT
WILSONS PROMONTORY
MARINE RESERVE
Route
Start
Menu

ChatGPT says

Refuge Cove at Wilsons Promontory is a well-known anchorage spot and is generally considered safe for anchoring, especially during favorable weather conditions. Here are some key points to consider for anchoring safely at Refuge Cove:

1.Shelter: Refuge Cove offers good protection from most winds, particularly from the west to north sectors. It is relatively sheltered from the southeast but can be exposed to winds from the south to east sectors.

2.Holding Ground: The cove has a sandy bottom which provides good holding ground for anchors. It's important to ensure your anchor is well set.

3.Depth: The depths in Refuge Cove vary, but there is ample room to anchor in depths suitable for most recreational vessels. Mariners should check their charts and depth sounders to find an appropriate spot.

4.Crowding: During peak times, such as holiday periods and weekends, the cove can become crowded. Early arrival can help secure a good anchoring spot.

5.Weather: Always check the weather forecast before anchoring. Sudden weather changes can affect the safety of the anchorage.

6.Navigation: Approach Refuge Cove with caution, as there are some rocks and shallow areas near the entrance. Proper navigation and adherence to nautical charts are essential.

7.Amenities and Regulations: Refuge Cove is part of Wilsons Promontory National Park. Boaters should be aware of and comply with any park regulations and guidelines to preserve the natural environment.

By taking these factors into account and exercising caution, Refuge Cove can be a safe and pleasant anchorage spot for recreational boating.

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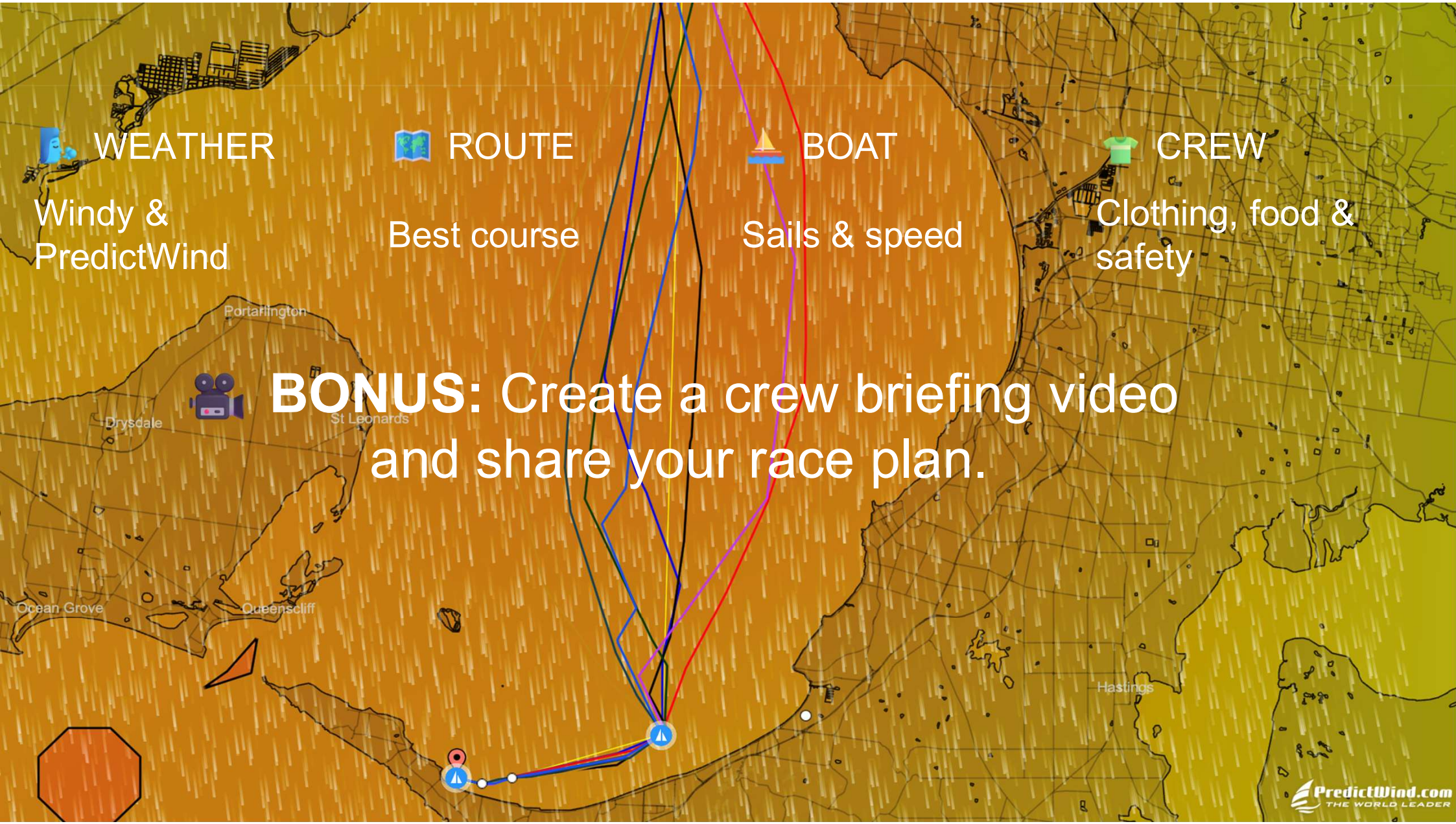
WEATHER
Windy & PredictWind
ROUTE
Best course
BOAT
Sails & speed
CREW
Clothing, food & safety
Portarlington
Drysdale
St Leonards
Ocean Grove
Queenscliff
Hastings
BONUS: Create a crew briefing video and share your race plan.
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