

*Welcome*



DEPARTMENT OF

**Conservation**

AND LAND MANAGEMENT

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*Conserving the nature of WA*

# Fire 22



Nuyts Wilderness

Walpole-Nornalup National  
Park

# *Walpole Nornalup National Park Management Plan 1992 - 2002*

- Diverse vegetation
- Endemic plant species
- Animal communities
- Spectacular landscapes








# *Nuyts Wilderness Area*

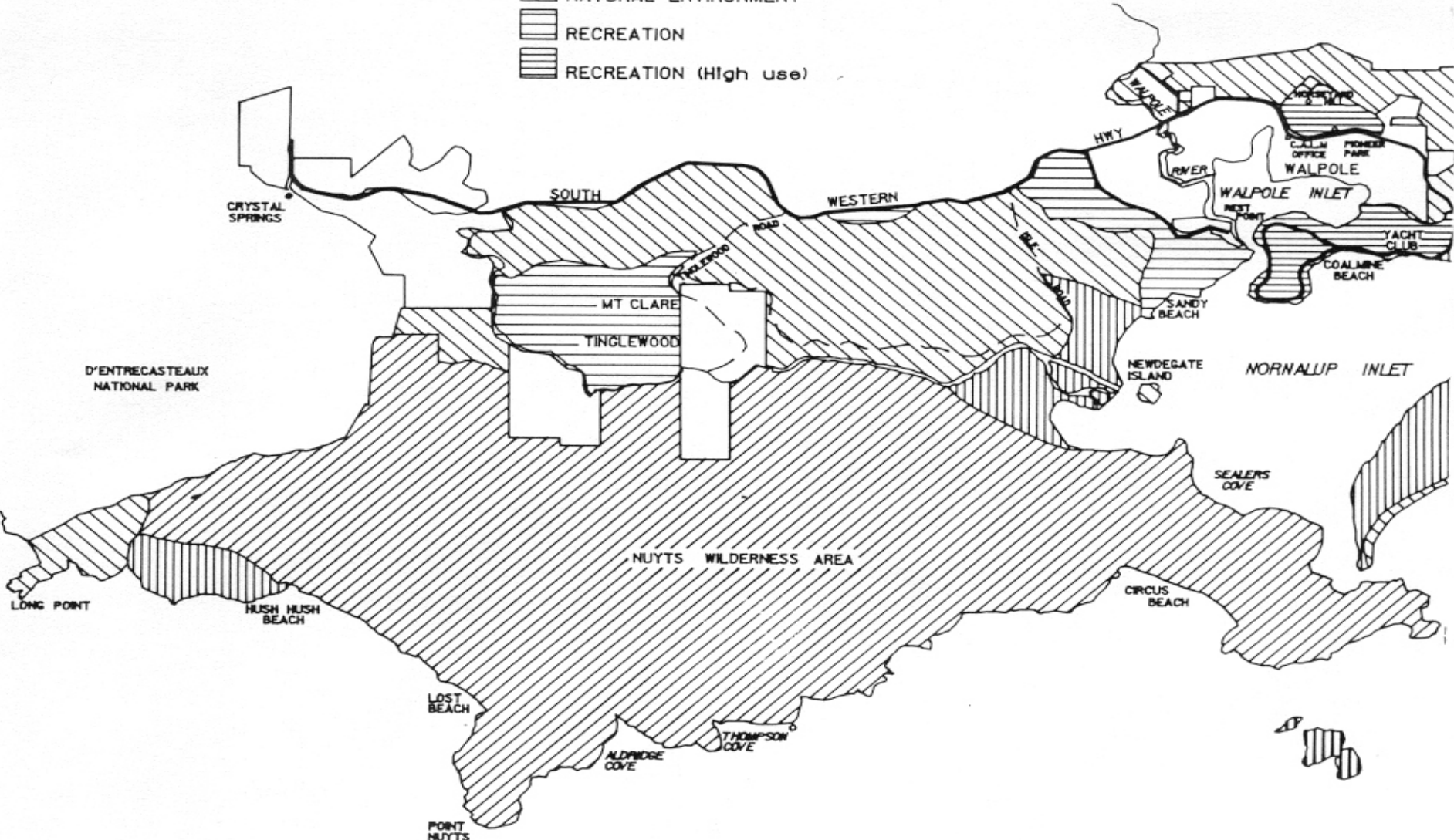
- Designated Wilderness in 1978
- Zoned Wilderness in WNNP Plan 1992
- 4 500 hectares
- Limited vehicle access
- Public Access - foot only
- No campfires
- Low Level of Management

# ZONING



## LEGEND

-  SPECIAL CONSERVATION
-  WILDERNESS
-  NATURAL ENVIRONMENT
-  RECREATION
-  RECREATION (High use)



# *Fire Regimes*

An aerial photograph of a coastal region. In the foreground, there is a large, light-colored bay or estuary. The surrounding land is a mix of brown and green, indicating a mix of forest and open land. In the background, there are mountains under a hazy sky.

➤ Vegetation Management

➤ Fuel Reduction






➤ No Planned Burn

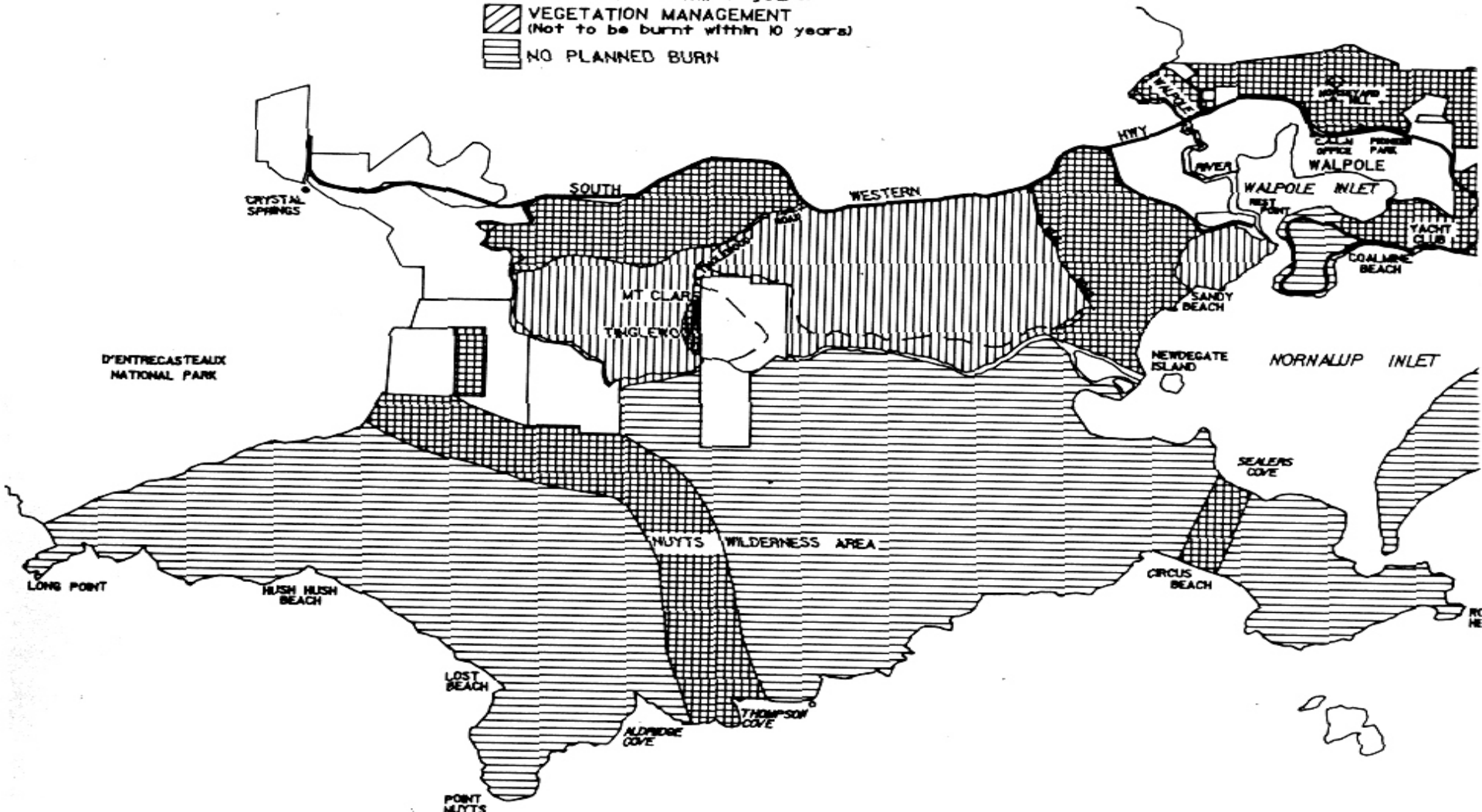
# FIRE MANAGEMENT FIRE REGIMES

SCALE



## LEGEND

-  FUEL REDUCTION
-  FUEL REDUCTION  
(To be burnt between burns of adjacent areas)
-  VEGETATION MANAGEMENT  
(To be burnt within 10 years)
-  VEGETATION MANAGEMENT  
(Not to be burnt within 10 years)
-  NO PLANNED BURN



# *Fuel Ages*

## ➤ Fire Area

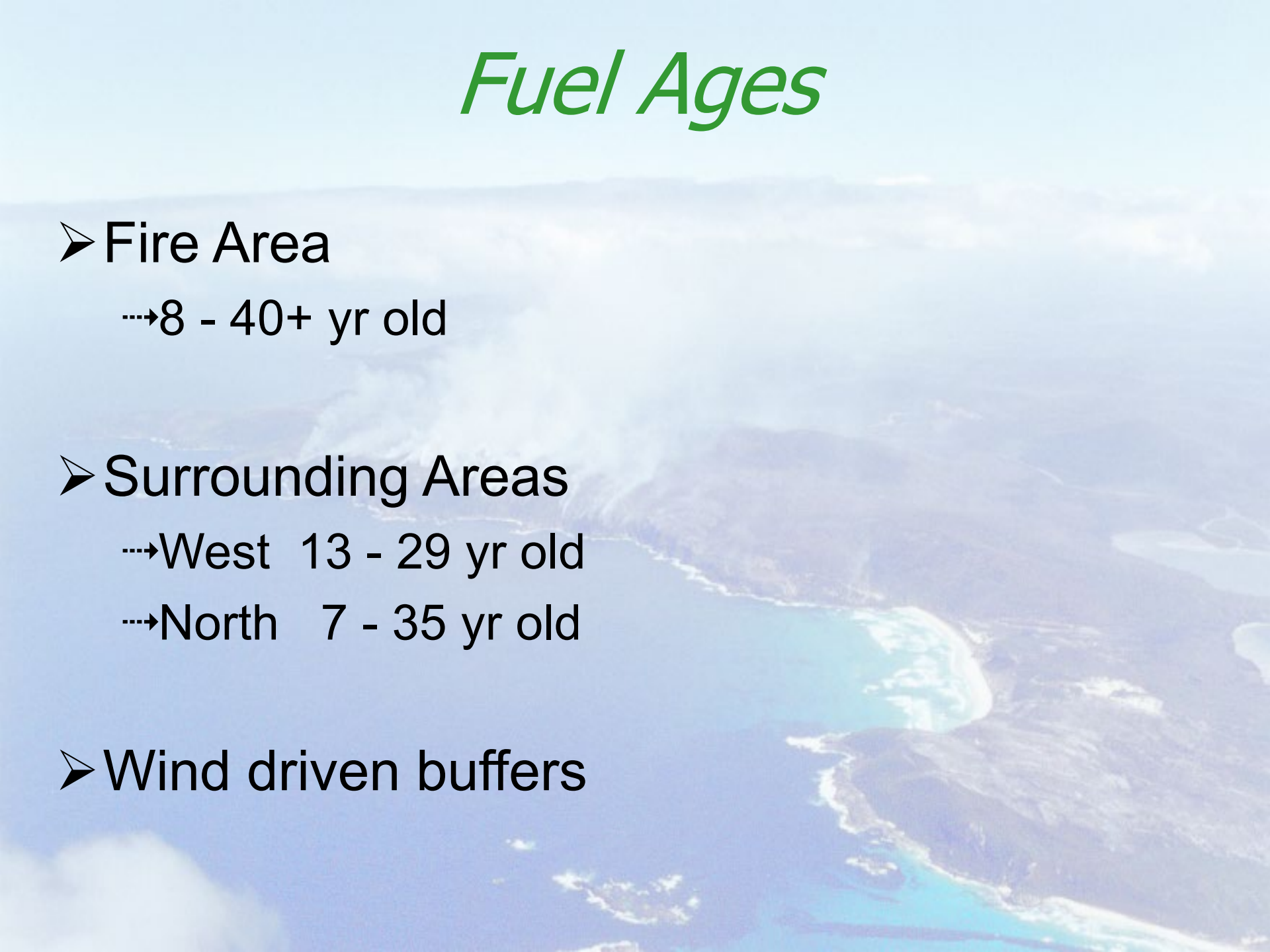
→ 8 - 40+ yr old

## ➤ Surrounding Areas

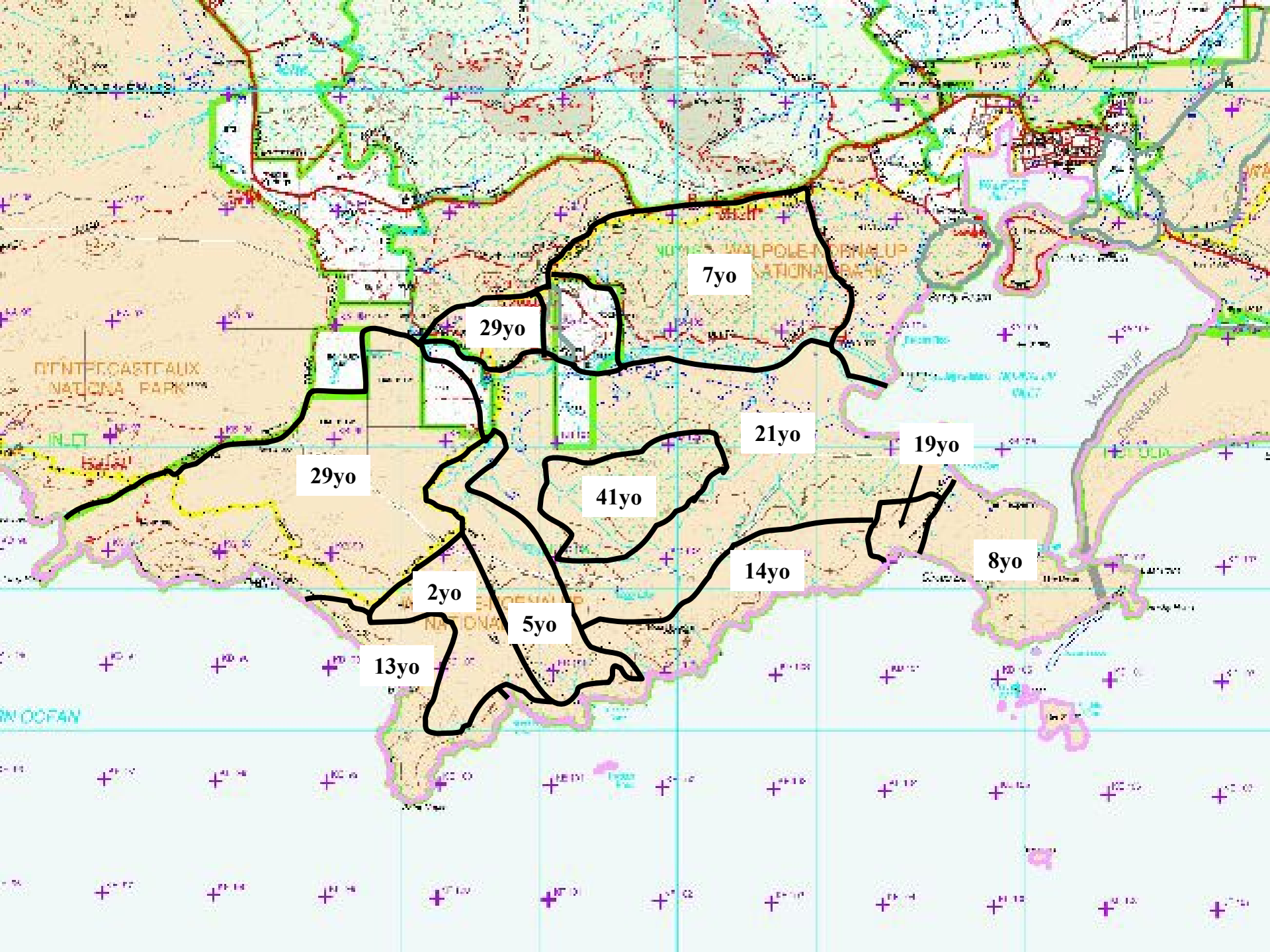
→ West 13 - 29 yr old

→ North 7 - 35 yr old

## ➤ Wind driven buffers









# *Conservation Values*

- Declared Rare Flora & Priority species
- Landscape
- Vegetation - dieback introduction
- Bristlebirds & their habitat
- Translocations 1990 & 1999/00
- Fauna eg. Quokka population

# *Other Values*

➤ Life

➤ Private Property

➤ Recreational areas eg. Bibbulmun track



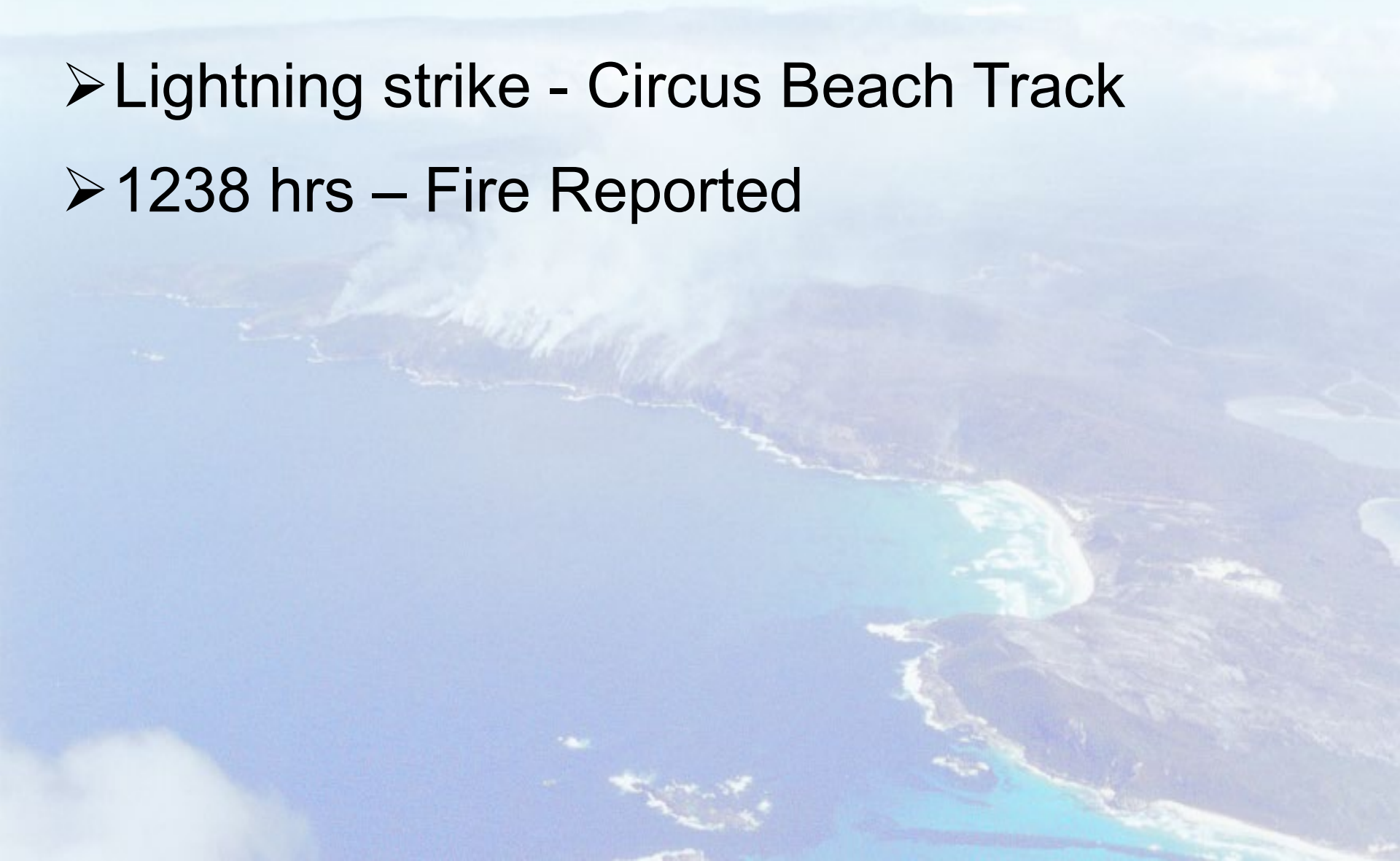
# *Management Plan Actions*

## *- Fire Suppression*

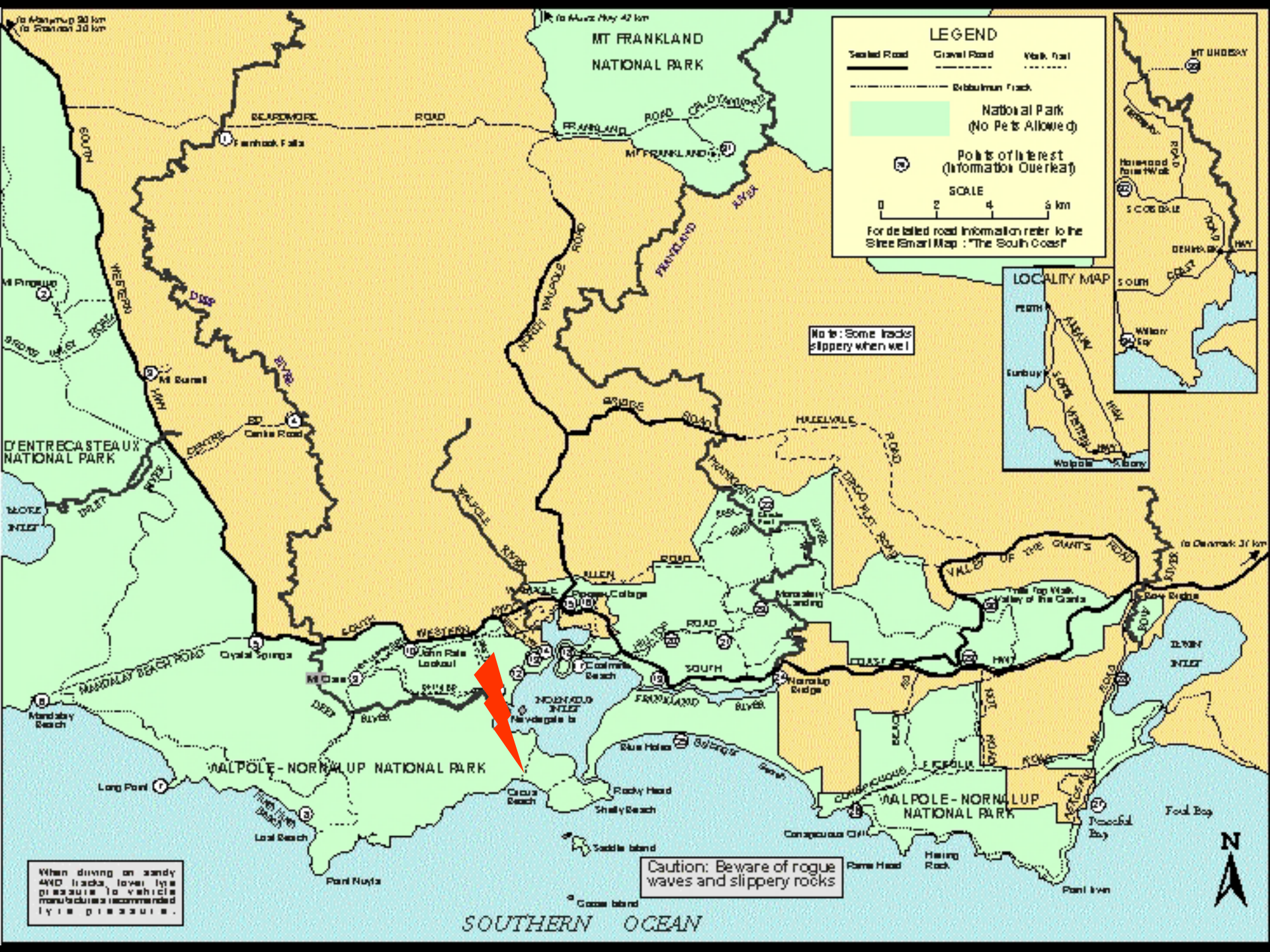
- Contain fires
- Minimise construction of new firebreaks
- Minimise suppression impacts
- Rehabilitate
- Appropriate suppression strategies

# *Day 1 - Wednesday 7/3/01*

- Lightning strike - Circus Beach Track
- 1238 hrs – Fire Reported







To Albany 90 km  
To Ravenhill 30 km

MT FRANKLAND  
NATIONAL PARK

### LEGEND

Sealed Road Gravel Road Walk Trail   
 Bibbulmun Track   
 National Park (No Pets Allowed)   
 Points of Interest (Information Overlay)

SCALE  
0 2 4 6 km

For detailed road information refer to the Street Smart Map - "The South Coast"



No to: Some tracks slippery when wet!

D'ENTRECASTEAU NATIONAL PARK

WALPOLE-NORNALUP NATIONAL PARK

WALPOLE-NORNALUP NATIONAL PARK

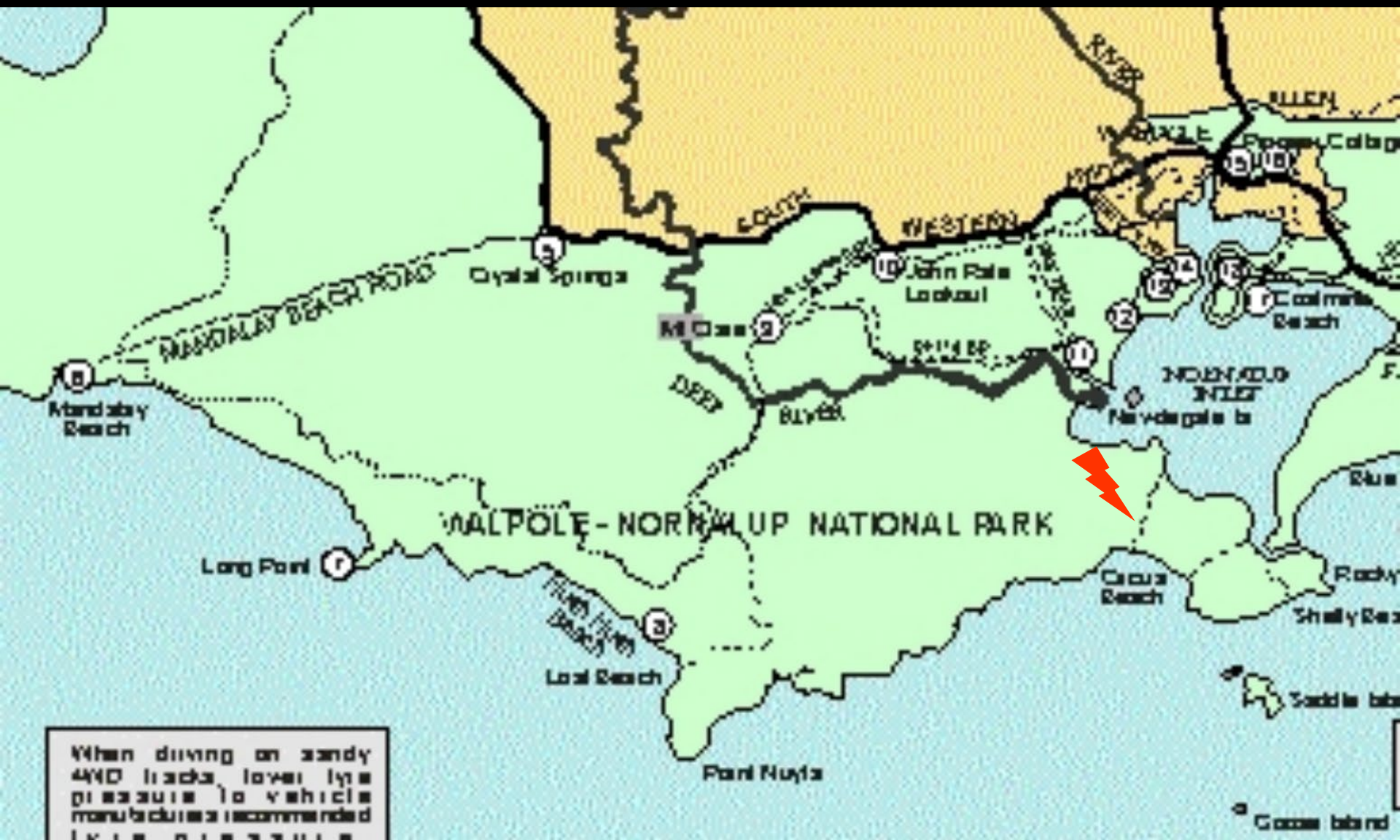
When diving on sandy AND tracks, lower tyre pressure to vehicle manufacturer's recommended tyre pressure.

Caution: Beware of rogue waves and slippery rocks

SOUTHERN OCEAN







When diving on sandy AND black, lower the pressure to vehicle manufacturer's recommended 1.5 - 2.0 bar (22 - 30 PSI)

Cocos Island



# *Strategies*

- Do nothing - allow fire to run
- Direct attack
  - Hand/machine & water bombers
- Indirect attack
  - Back burning
  - Use existing access or construct access

# *Strategies*

## ➤ Objective

→ Contain fire to minimum area possible

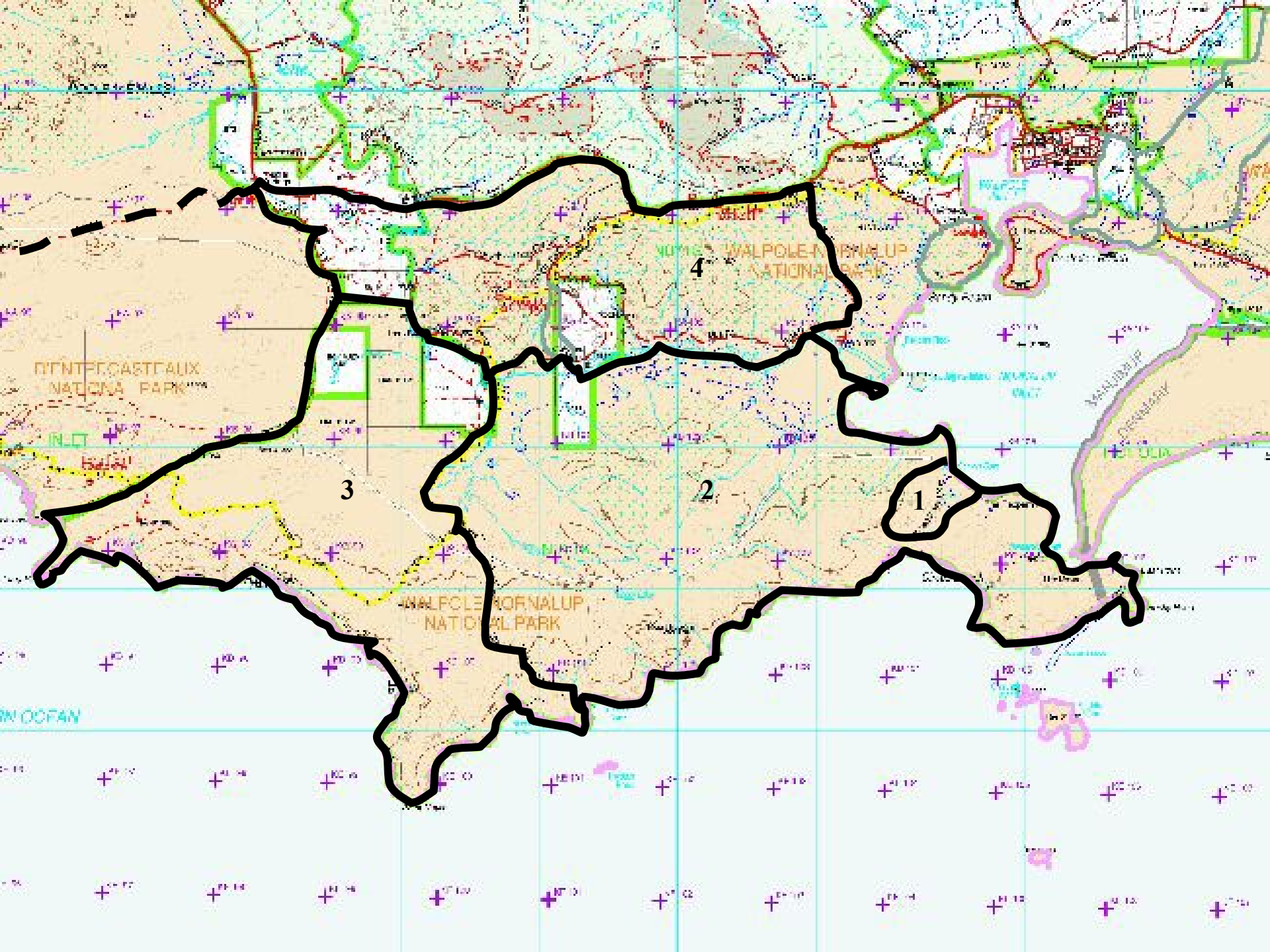
## ➤ Alternatives

→ Direct Attack

- Direct attack within Circus Beach area

→ Indirect attack

- Backburn from Nuyts track and Deep River
- Backburn from Long Point track and Deep River
- Contain within Southwest Highway and Long Point track/Mandalay Beach road



# *Strategies - Considerations*

- Values at risk
- Fire behaviour - actual & predicted
- Weather - current & forecast
- Resources available
- Access available
- Likelihood of success
- Impact of suppression action
- Safety



# *Day 1 - Wednesday 7/3/01*

- Lightning strike - Circus Beach Track
- 1238 hrs – Fire Reported
- 1240 hrs – Water Bombers despatched.
- Commenced Direct Attack
- Withdrew resources at nightfall





# *Day 2 - Thursday 8/3/01*

- Early morning – Direct attack unsuccessful
  - Heavy dry fuels, strong fire behaviour, access
  - Containment, likelihood of success
  - Fire crew safety
  
- Alternative 2 implemented





## *Day 3 - Friday 9/3/01*

- Continued edging Deep River and Nuyts walk track
- Dealt with hop overs
  - Water bombers used
  - Mt Clare
  - NW corner
  - Delta Rd.

## *Day 4 - Saturday 10/3/01*

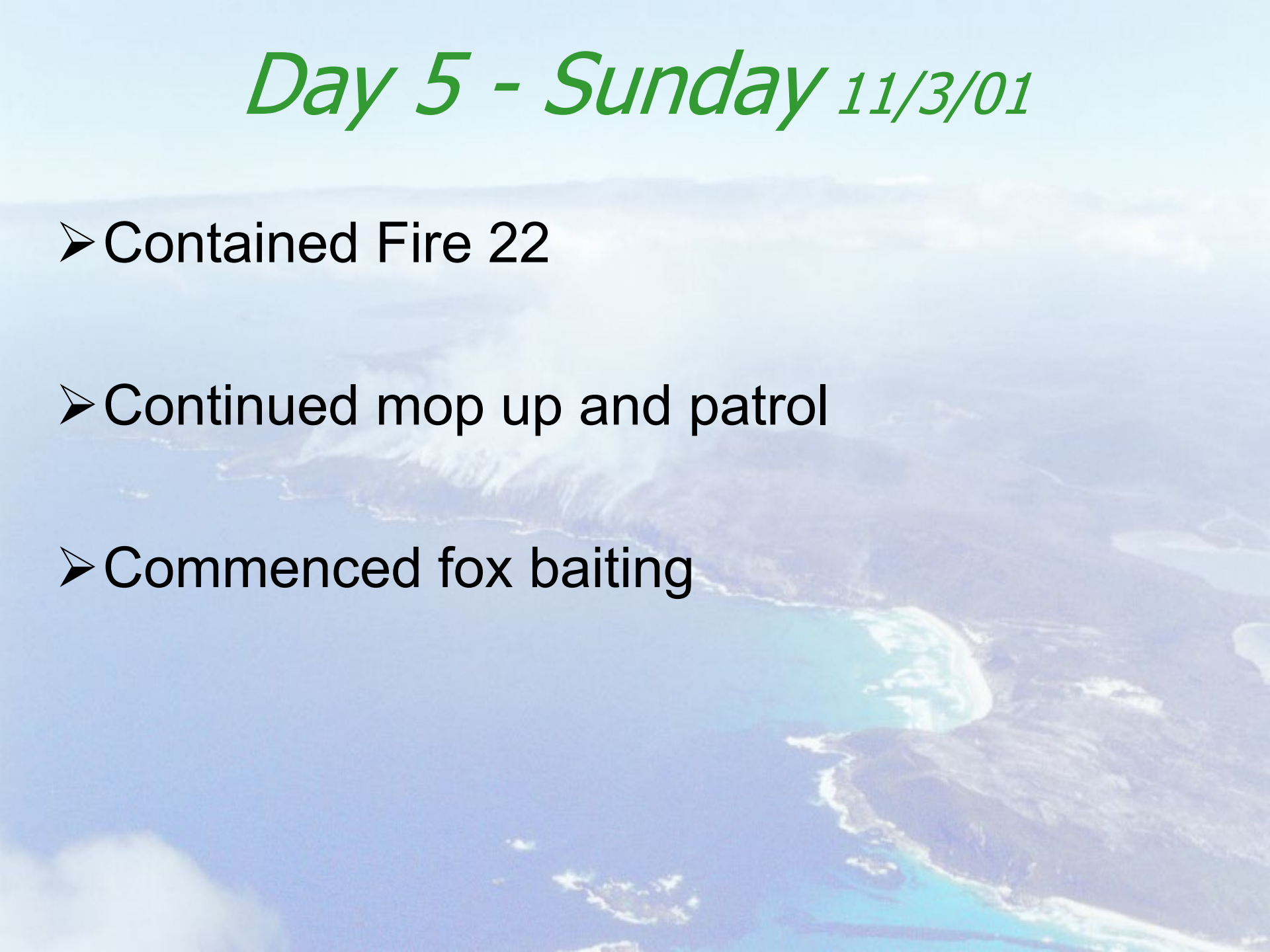
- Main fire run overnight Friday and early Saturday morning
- Threatened western boundary
- Continued to consolidate edging
- Briefed the Deep River community of evacuation plan
- Water bombers used to hold eastern boundary

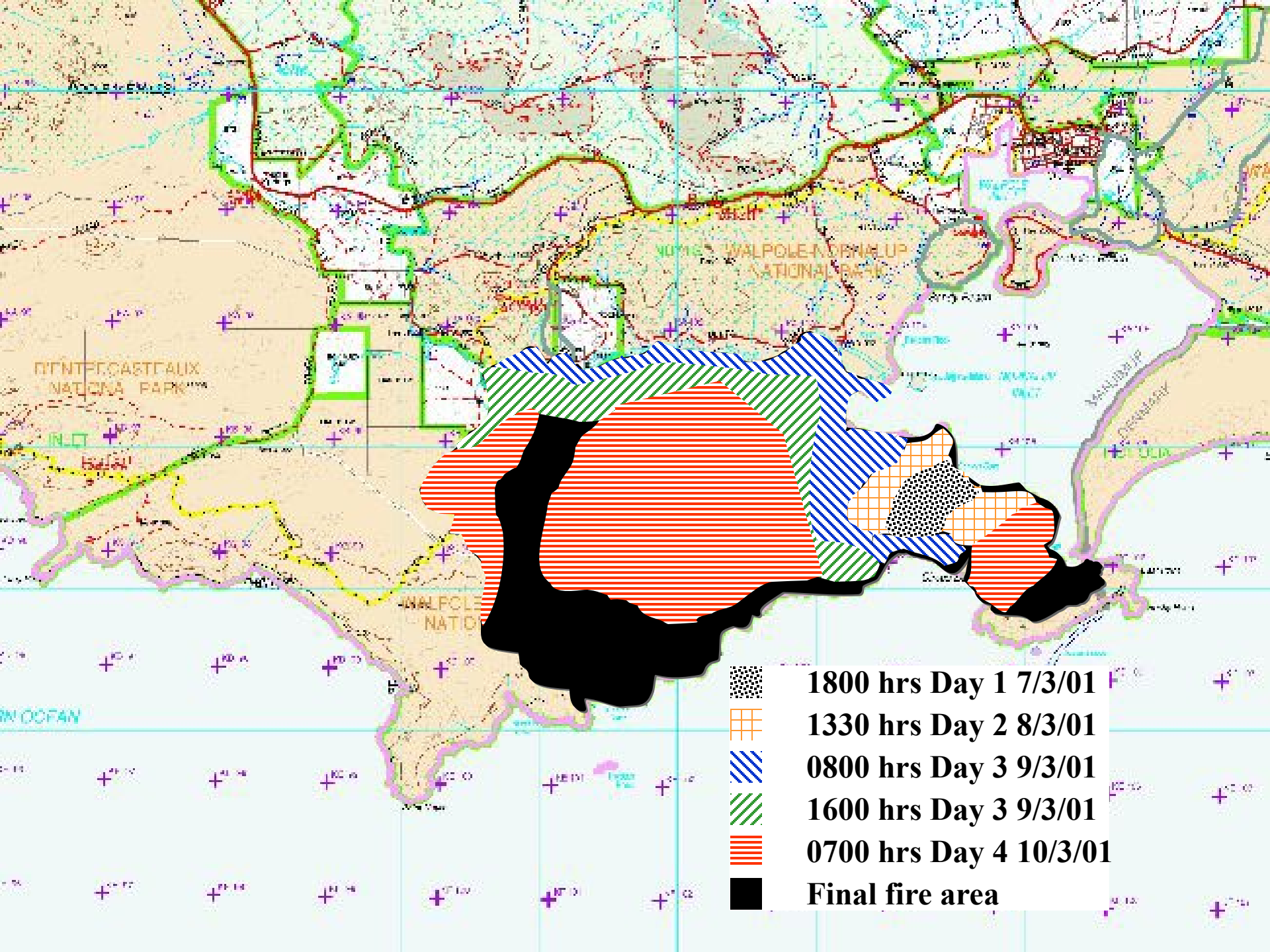




# *Day 5 - Sunday 11/3/01*

- Contained Fire 22
- Continued mop up and patrol
- Commenced fox baiting





- 1800 hrs Day 1 7/3/01
- 1330 hrs Day 2 8/3/01
- 0800 hrs Day 3 9/3/01
- 1600 hrs Day 3 9/3/01
- 0700 hrs Day 4 10/3/01
- Final fire area

# *Fire 23 10/3/01*

- Lightning strike
- Burnett block
- 5 km NW of Fire 22
- Resources redirected
- Water bombers
- Ground crew & dozer
- Within 1 year old fuel reduction burn



# *Resources Involved*

Resources  
Fire 22  
Walpole

Personnel  
120

Boats  
4-5  
Barge  
2

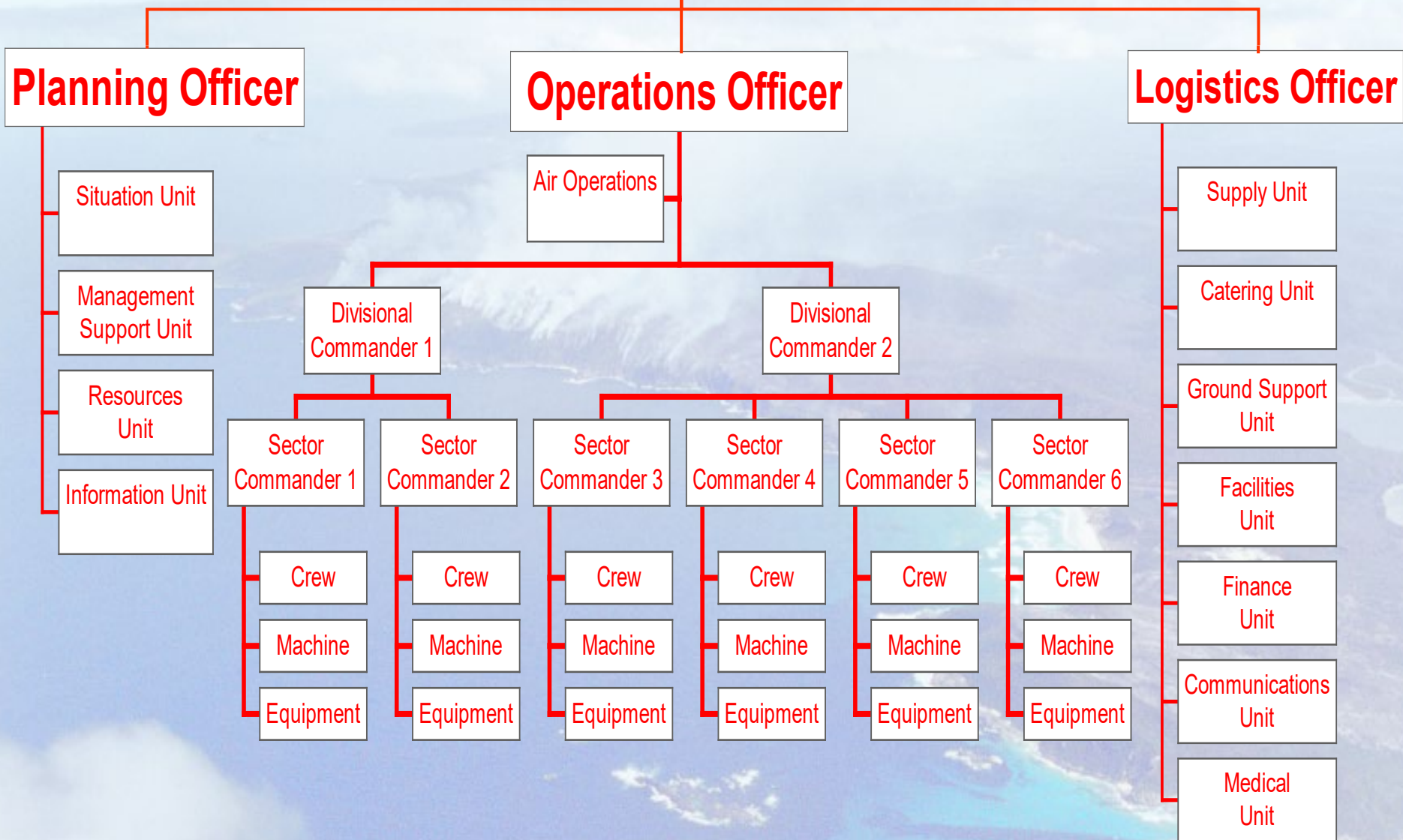
Aircraft  
1 RW  
4 FW

Fire Trucks  
20  
Travel tower  
1

Dozers  
3  
Tractor  
1

# Fire Control Structure

## Incident Controller



















# *Information*

## ➤ Position

→ First time Information Officer was appointed at a Walpole District Fire.

## ➤ Media releases

→ Media releases provided to Newspaper, Radio and TV media outlets.

# *Information*

## ➤ Radio

→ Regular interviews were conducted with ABC Radio

## ➤ Bulletin boards

→ Information produced regularly and updated at notice boards at 14 sites.

# *Notice Board Locations*

- Tree Top Walk
- Coalmine Beach  
Caravan Park
- Coalmine Beach  
Lookout
- Rest Point Caravan  
Park
- Tinglewood Rd
- John Rate Lookout
- Crystal Springs  
Campground
- Bibbulmun Track
- Pioneer Store
- Golden Wattle
- Tourist Bureaus
- Walpole Back Packers
- Walpole Hotel
- CALM Office



# *Evacuation Plan*

- Produced for the Deep River Community
- Briefing provided to residents on site at Deep River
- Regular updates to the community

# *Fire Impacts*

- Almost total area burnt - little unburnt mosaic
- 10 populations of 8 'rare' flora species burnt
- Track upgrading
- Tracking of hopovers
- Almost total scorch
- Fauna habitats burnt
- Evidence of fauna deaths





**BEFORE**



**AFTER**









# *Post Fire Action*

## *Rehabilitation Plan*

- Plan has been prepared
- Implementation will be carried out using CALM & Volunteer resources





# *Post Fire Action*

## *Fox Baiting*

- Being carried out to protect surviving native fauna
- Hand baiting already been carried out at several sites.
- Baiting to be increased until regeneration provides adequate habitat protection.





# *Post Fire Action*

## *Rare Flora*

- Populations of 8 species of Declared Rare or Priority Flora were burnt during the fire.
- Populations will be monitored for at least the next 2 flowering periods.



# *Post Fire Action*

## *Bristlebirds*

- 15 Birds translocated in 1999 and 2000
- All of known territories burnt during fire.
- CALM scientists and Birds Australia consultants to monitor remnant vegetation in the fire and adjacent unburnt areas

# *Post Fire Action*

## *Photo Monitoring*

- Monitoring points have been established
- Photos to be taken again at 6 month, 12 month and 2 yearly intervals
- Aerial photography





FIRE 22  
2001  
PLOTS



# *Post Fire Action*

## *Sign Installation*

- Temporary signs have been installed at several sites.
- Permanent signs
  - to be installed at Circus Beach, Shelley Beach & Nuyts Wilderness walk tracks, and Hilltop, Coalmine Beach & John Rate lookouts.



A scenic sunset over a body of water. The sky is filled with large, billowing clouds in shades of orange, yellow, and red, transitioning to a deep blue at the top. The sun is low on the horizon, creating a bright glow. The water in the foreground is calm, reflecting the colors of the sky. A dark, silhouetted shoreline with trees and a few small lights is visible in the middle ground.

*Thankyou for attending*

*Contact CALM Walpole for further  
information*