

Impact of Tropical Cyclone Daman on Cikobia Island, 7-8 December, 2007

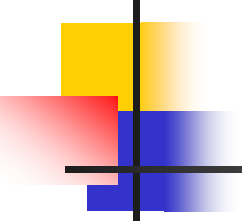




Outline

- Cikobia Island Profile
- TC Daman track/passage
- Activation of Emergency Management System
- Government Response
- Impact on housing, agriculture, water supply, health, education and physical environment

Cikobia Island - Profile



Name of village	Adults	Children	Total
1. Nalele	24	7	31
2. Vuninuku	29	11	40
3. Vatulele	14	7	21
4. Nautovatu	<u>16</u>	<u>11</u>	<u>27</u>
TOTAL:	83	36	119

* Population – Predominantly Fijian



Cikobia Island – Profile

Cont/d

Type of living quarters

Family house detached from any other house – 22

Family house attached to one or more houses – 3

Construction of outer walls

Wood – 16; Tin – 5; Concrete – 3; Thatched bure – 1

Condition of outer walls

Good – 8; Average – 14; Poor - 3



Cikobia Island – Profile

Cont/d

Main water supply

Roof tank – 7; Communal standpipe – 10

Borehole – 8

Source of lighting

Lantern – 21; Village diesel plant – 3; Own generator – 1

Communication Equipment

1 VT set (satellite based communication) at Vuninuku

1 VHF radio at Health Centre, Vuninuku



Cikobia Island – Profile Cont/d

Cooking Fuel

Wood (open fire) – 24; LPG Gas - 1

Toilet Facilities

Water seal - 16

Flush toilet - 5

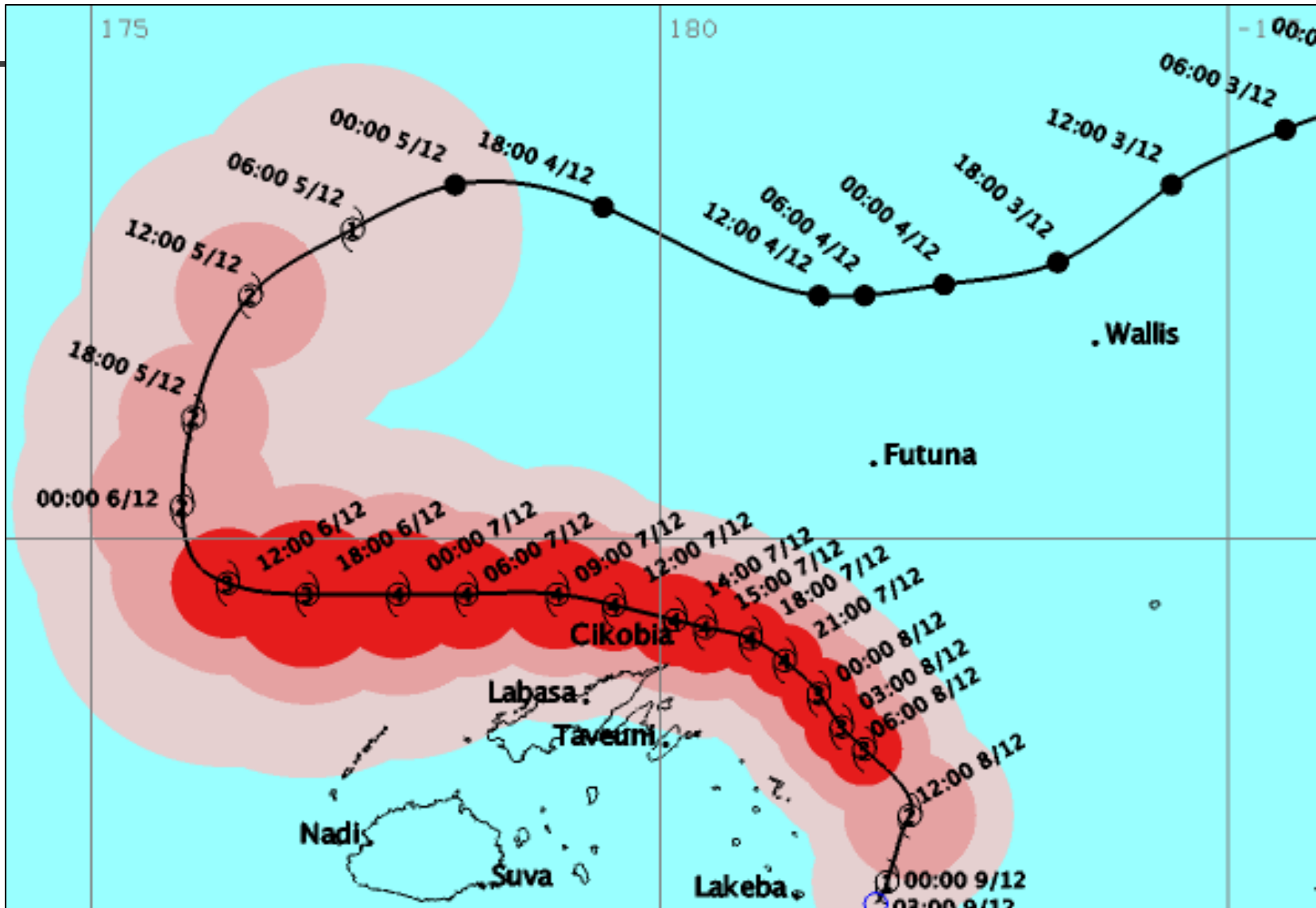
Pit latrine - 3



Cikobia Island – ProfileCont/d Cikobia Village School

- Grade: ED6D
- Lease Type: Native Land
- Electricity: Own generator
- Water: Tank/Roof catchment
- Male Roll: 7 Female Roll: 5 Total: 12
- No. of teachers: 2

TC Daman Track





Activation of Emergency Management System

- Activation of agency contingency plans & SOPs
- Issuance of public advisories/warning
- Activation of Emergency Operations Centres
- Activation of five (5) Evacuation Centres – Savusavu (4 x 165 people); Taveuni (1 x 233)
- Meeting of National Disaster Management Council and Central Control Group, Saturday 8/12



Government Response

- Hired fixed wing aircraft to conduct aerial assessment on Sunday, 8/12/07.
- Hired helicopter (2 x trips) on Monday 10/12/07 - conducted initial assessment & airlifted urgent medical & relief supplies, viz: 40 Red Cross black packs, 10 cooking sets, 20 tarpaulins, 40 blankets and 20 water containers.
- Deployment of vessel Iloilovatu, Monday 10/12/07 - transported 36 member team to conduct damage assessment, general cleaning up & delivery of relief supplies



Vessel Iloilovatu - Taskings

- Left Suva on Monday night. Arrived Cikobia on Tuesday night
- 36 member team representing PWD, Rural Housing, RFMF, Navy, Telecom, Media, COGS, Red Cross, Provincial Development
- Team left with 4 tonnes approx of relief supplies



Relief supplies delivered to Cikobia by Iloilovatu

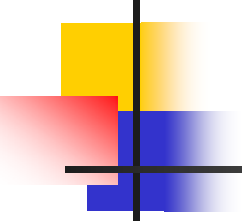
- 2 x generators; 3 x chain saws
- 1 x month food ration - \$3,465
- 4 x 5,000 litres water tank
- 10 x Tents (6x4 metres)
- 20 kitchen sets
- 20 (20 litres) drums of kerosene
- Lanterns and kerosene stoves
- 200 blankets
- 50 tarpaulins
- 30 water containers



Impact of TC Daman – Nature and extent of damage

- No casualty reported
- Nalele and Vuninuku villages located on the coast were the worst hit. The villages sustained damage to houses, crops and water supply
- Nautovatu and Vatulele villages sustained minimal damage

Impact on Housing



Village	No. destroyed	Partly damaged	Total
1. Nalele	11	3	14
2. Vuninuku	3	2	5
3. Vatulele	3	4	7
4. Nautovatu	<u>3</u>	<u>1</u>	<u>4</u>
Total:	20	10	30



Housing emergency relief assistance

- Provision of temporary shelter – 10 x tents and tarpaulins



Impact on Education: Damage to Cikobia District School



- 3 x teachers quarters destroyed; 1 teacher quarter partly damaged
- 3 water seal toilets for teachers destroyed
- 1 x kitchen (18'x14') lean to destroyed
- 1 x wooden classroom block 60'x24' destroyed
- 1 x second block building partly damaged
- Third classroom block left unscathed
- 2 water seal toilets for the school destroyed; 1 left un damaged
- School books, library books and teachers Work Book – destroyed
- Tool shed 10' x 8' destroyed





Impact on water supply

- Cikobia District School, Nalele and Vuninuku villages obtain water from the same source, Namatamata water catchment. Pipes from main water source to the reservoir damaged by fallen trees. Water tanks contaminated by sea water, sand and bacteria.
- Water supply to the school-minimally affected
- Water supply for Vatulele and Nautovatu was not affected at all.
- 20,000 litre ferro cement water tank exist in all 4 villages
- General health status of the Cikobia community - Satisfactory

Water supply system





Water: Emergency relief assistance

- Provision of close to 500 cartons of Fiji Water
- Tui Tai operator transported more than 200 cartons of Fiji Water
- Medical team conducted health awareness campaign. People advised to boil all drinking water
- Spraying (vector control) against flies and mosquitos conducted in all 4 villages
- Blocked & contaminated water tanks, boreholes and catchments have been addressed
- Rehabilitation Needs - to upgrade piped system and general improvement to the water infrastructure



Impact on Agriculture

- Extensive damage to root crops and vegetables
- 7 x copra driers were damaged and need urgent repair
- Require food ration for another two months
- Agriculture rehabilitation to be undertaken as a matter of priority

Damage to Agriculture





Health – Rehabilitation Needs

- Immediate repair of water supply facilities
- Cleaning of rain water catchments tanks
- Community to use boiled water before drinking
- Immediate reconstruction of toilets
- Vector control- Spraying of flies and mosquitoes breeding places

Telecommunication

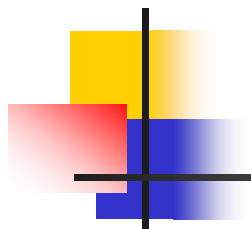
Damaged satellite dish repaired





Recommendation: Relief and Rehabilitation

To be determined by the final assessment report



WINAKA