CURRENT ACTIVITIES OF THE TCWC Port Moresby

13th SOUTHERN HEMISPHERE TRAINING COURSE ON TROPICAL CYCLONES (Nadi, Fiji, 9th -13 Sept 2019)

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GENERALITIES ON PAPUA NEW GUINEA

- Population : 8 million +
- Languages : 700 +

- 74 agents in NWS

The World

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Area of Responsibility

Port Moresby is designated as a TCWC with geographic specialization area of responsibility bounded by the EQ 141E, 10S 141E, 09S 144E, 12S 147E, 12S 155E, 08S 155E, 05S 160E, EQ 160E, EQ 141E.

ROLE OF FORECASTING & WARNING CENTRE

- PUBLIC & SEVERE WEATHER
- REAL TIME MONITORING & ANALYSIS
- NOWCASTING 0-1 DAY, MID-RANGE 1-5 DAYS & LONG RANGE >5 DAYS

Forecasting Tools

- Near real time observations from satellites (SATAID, RANET, EMWIN, LRIT (Microwave prod.)
- Real time observations from AWS
- Internet based Models: NOGAPS, ECMWF, UK MET and centers JTWC, BOM.
- Dissemination to the local media stations

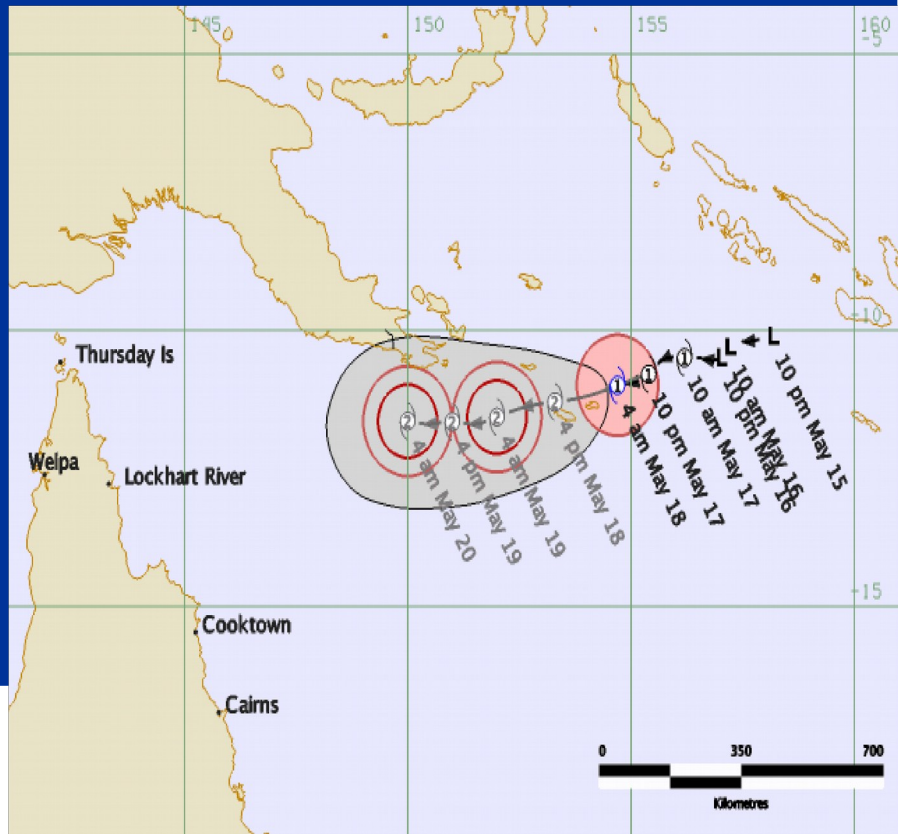
DVORAK TECHNIQUE BUT MANUAL – NOT MANY YOUNG FORECASTERS ARE FAMILIAR WITH IT.

Tropical Cyclone Season

- From 1 November to 31 May
- Daily Tropical Cyclone Potential Bulletin for National Disaster Centre (NDC)
- Additional advisories during the life of a tropical cyclone
- Routine weekly forecaster-to-forecaster conference call between Brisbane TCWC and Port Moresby forecasters
- Forecasting advice to NDC for disastrous earthquakes and Tsunamis.

Tropical Cyclone Products

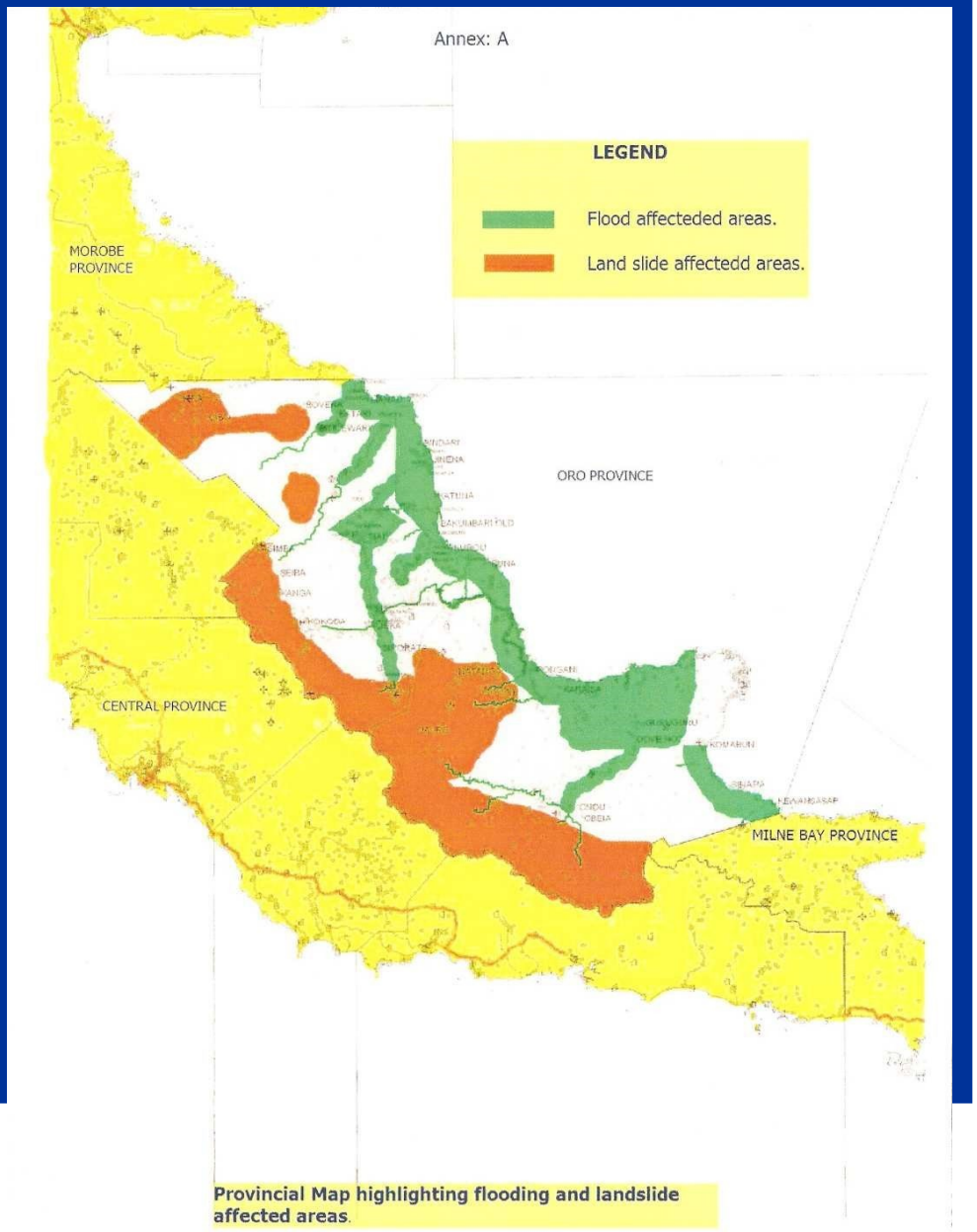
- TC Warnings
- Strong Wind Warnings
- Track & Threat Maps issued by BOM & JTWC



NWS and Disaster Office

- Disaster Office manages disasters
- NWS provide technical advice on meteorologically related disasters
- NWS issue warnings before disasters, bulletins during disasters and conduct post mortem/assessments after disasters
- After the disaster, officials visit the affected areas and make assessments on the scale of damage/loss and make recommendations for future improvements.

Tropical Cyclone aftermath :



Provincial Map highlighting flooding and landslide affected areas.

Current & Future Improvements

- **Upgrade of Forecasting Tools**
- **Manual to Semi/ automated Forecasting workstations**
- **More training needed for upcoming forecasters.**

THANK YOU ALL