

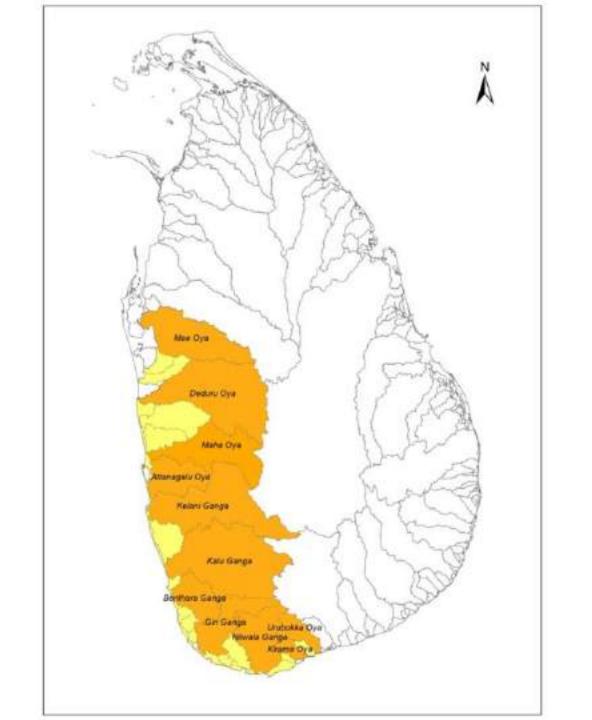
# Preparedness for South-Western Monsoon - 2021

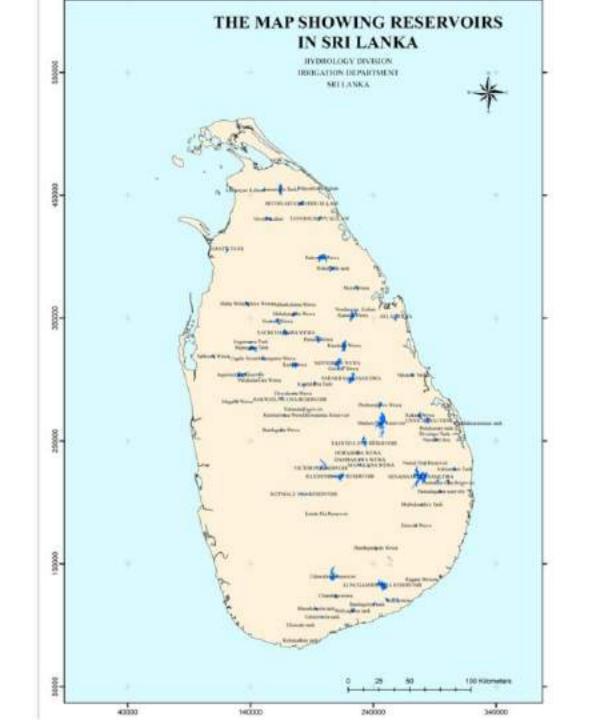
Eng. S.P.C. Sugeeshwara

Director of Irrigation (Hydrology & Disaster Management)

**Irrigation Department** 

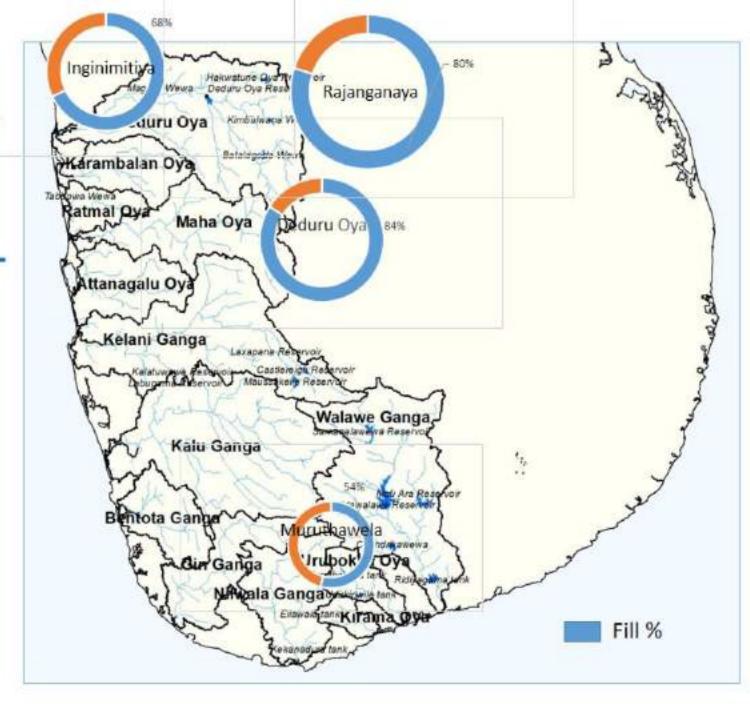
River Basins most likely to be affected by floods during South - West Monsoon Sri Lanka **River Basins** Deduru Oya Maha Oya Attanagalu Oya Kelani River Kalu River **Bentara River** -Udawalawe River Gin River -Uruboku Oya Nilvala River-Kirama Oya



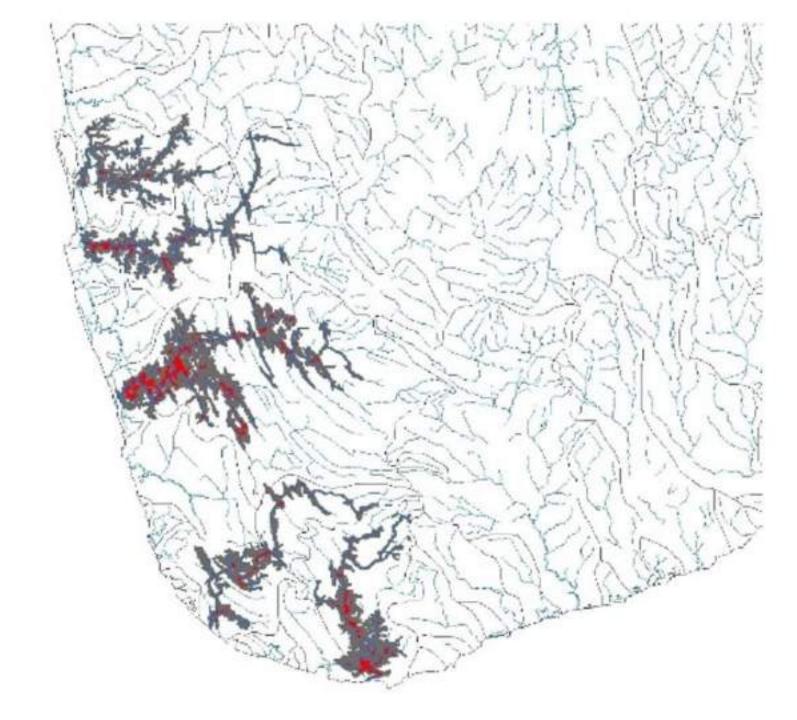


#### Major Reservoirs that could be carefully managed during South-Western monsoon floods

- Deduru Oya Reservoir ID
   (84%) Castleriegh Reservoir 
   CEB
- Maussakale Reservoir CEB
- Muruthawela Reservoir ID (54%) Udawalawe Reservoir – MASL
- Inginimitiya Reservoir ID (68%) Rajanganaya Reservoir -ID (80%)



Possible
Flooding Area
of Western
Rivers in a
Major Event



## Areas to be attended more, during South-West Monsoonal Floods

Deduru Oya Basin: Kurunagala, Puttalum

Attanagalu Oya Basin: Gampaha

Kelani River Basin: Colombo, Kegalle,

Kalu River Basin: Ratnapura, Kalutara,

Gin River Basin: Galle (Neluwa, Thawalama, Baddegama)

Nilvala River Basin: Matara (Pitabaddara, Akurassa,

Kadduwa, Malimbada, Matara etc.)

### Flood Monitoring System of Irrigation Department – Manual System

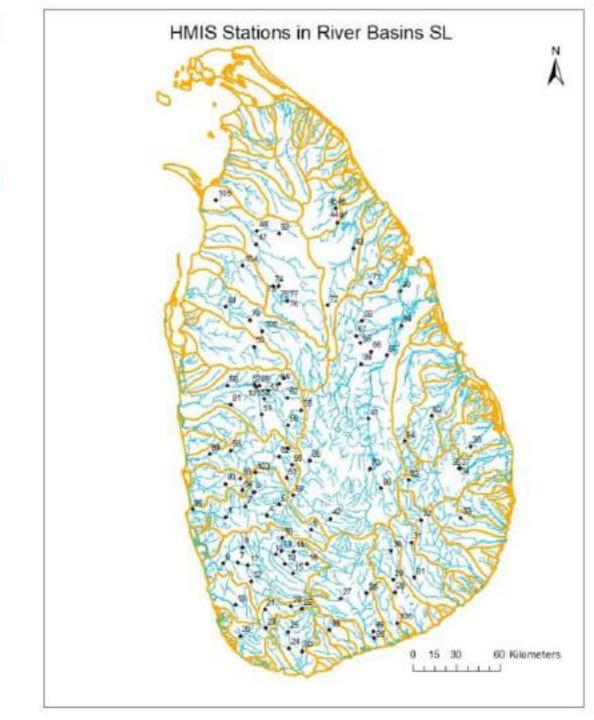
- There are 41 Manual River and Rainfall Monitoring Stations
- These stations are manned on 24\*7 basis
- Rivers are monitored hourly and data is transferred to head office daily
- If there is any warning from Met
   Department or if there is any sign of a
   flood, the information are transferred
   immediately.





# Flood Monitoring System of Irrigation Department – Automated System (HMIS)

- There are 106 Manual River and Rainfall Monitoring Stations in Automated System
- Data is transferred in each 10 minutes
- The system is monitored continuously
- If there is any warning from Met
   Department or if there is any sign of a
   flood, the system is monitored very
   closely.



#### Rainfall Situation on 2020-05-15

