



South Sudan

Wetlands Extent Analysis

VAM Unit – WFP

29 April, 2020



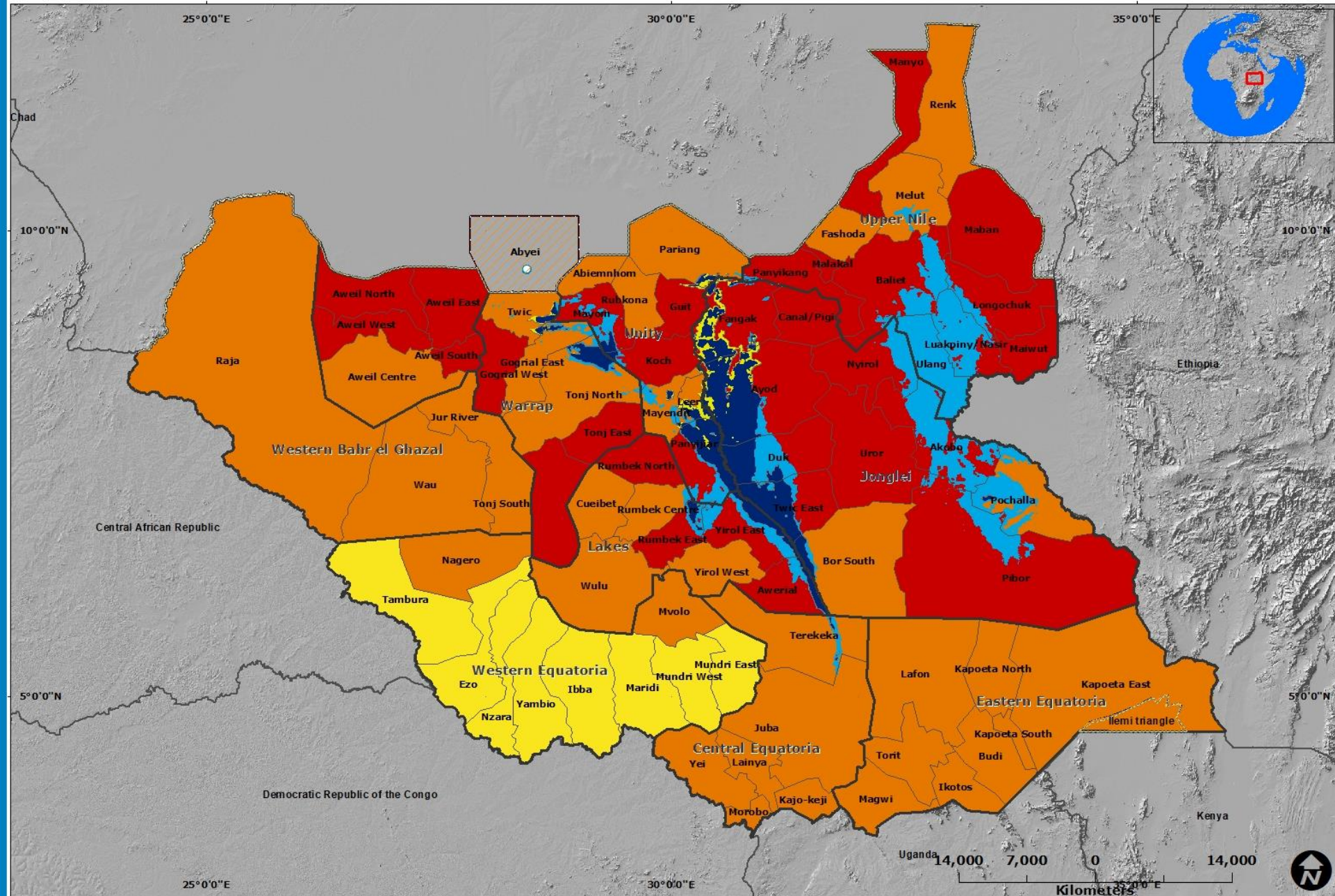
PROJECTED (FEBRUARY - APRIL 2020)	
Phase 5	20,000 People in Catastrophe
Phase 4	1,475,000 People in Emergency

IPC PHASE 5 AREAS AND PERSISTENT FOOD INSECURITY

Sudd, Sobat and Bahr-el-Ghazal Wetlands

Strong overlap between increased wetland extent Dec 2019-March 2020 and counties experiencing Emergency (IPC Phase 4) and Catastrophe (IPC Phase 5) levels of food insecurity

South Sudan
The extent of new wetland areas 2019-2020



Prepared by: VAM & MEAL UNIT
Map Reference: ssd_wfp_ipc_wetlandanalysis_20200223
Date Created: 4/27/2020
Contact: dl.dafrista@wfp.org

IPC Phase Classification (Projection May - July 2020)

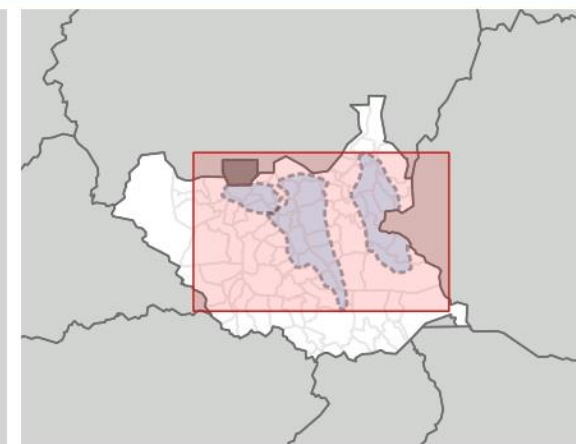
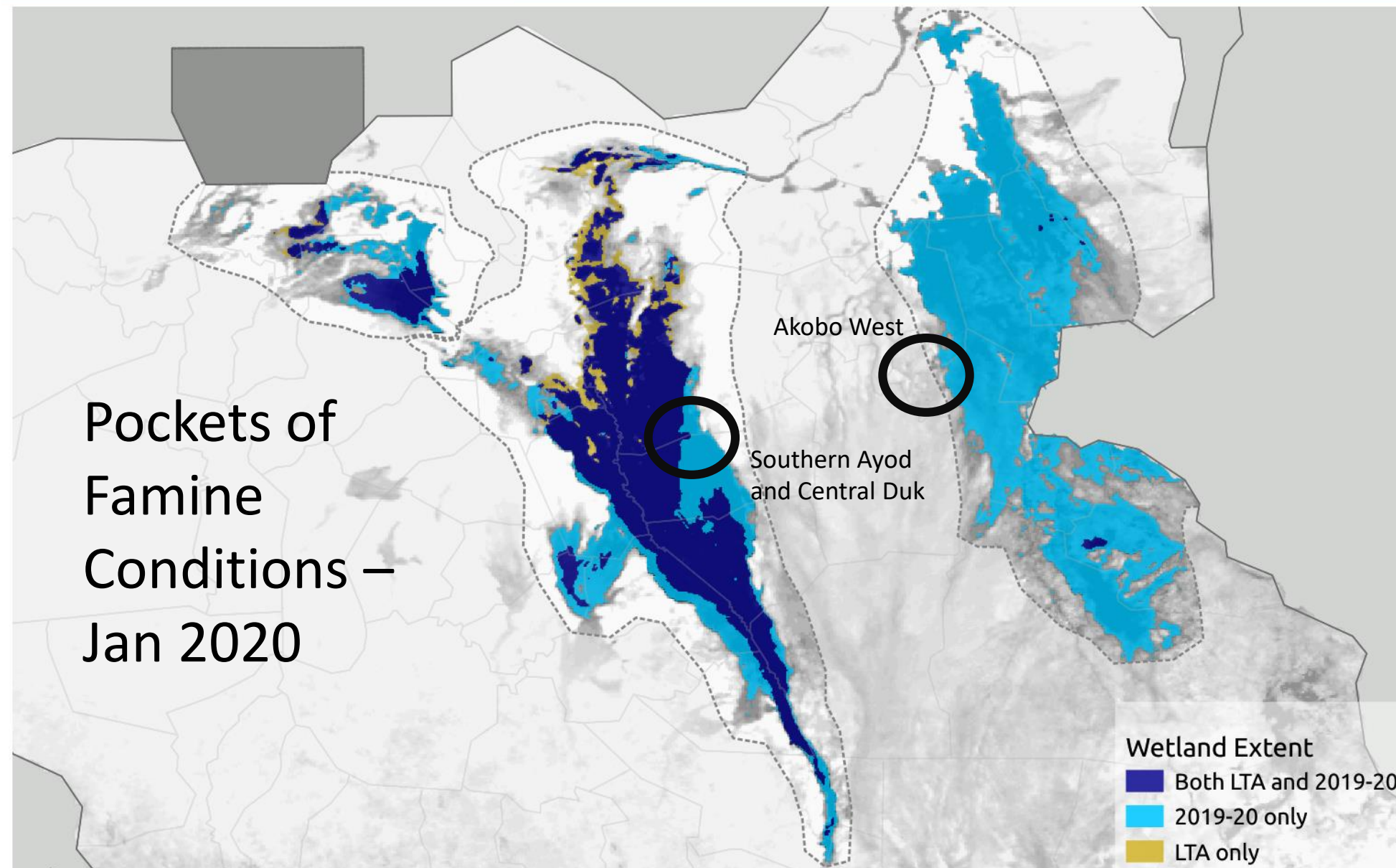
- Minimal
- Stressed
- Crisis
- Emergency
- Famine
- No data

Wetland Extend

- Both long term average and wetland Areas 2019-2020
- Long term average wetland Areas 2002-2019
- New Wetland Areas 2019 - 2020

- International
- State
- County
- Undefined *
- Abyei Area **

Data sources: WFP, OCHA, GAUL, FAO
The designations employed and the presentation of material in the map(s) do not imply the expression of any opinion on the part of WFP concerning the legal or constitutional status of any country, territory, city or sea, or concerning the delimitation of its frontiers or boundaries.
* Final boundaries between the Republic of Sudan and the Republic of South Sudan has not yet been determined
** Final status of the Abyei area is not yet determined
© World Food Programme 2019

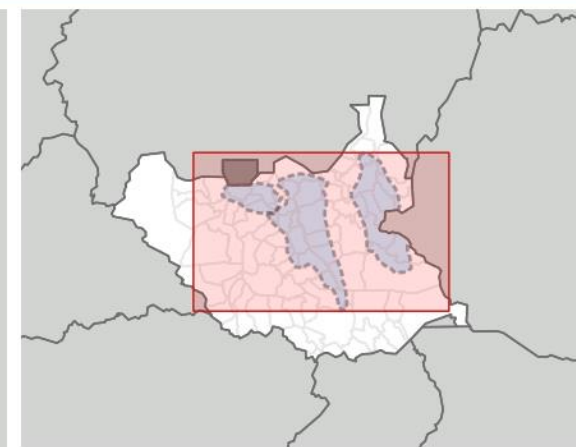
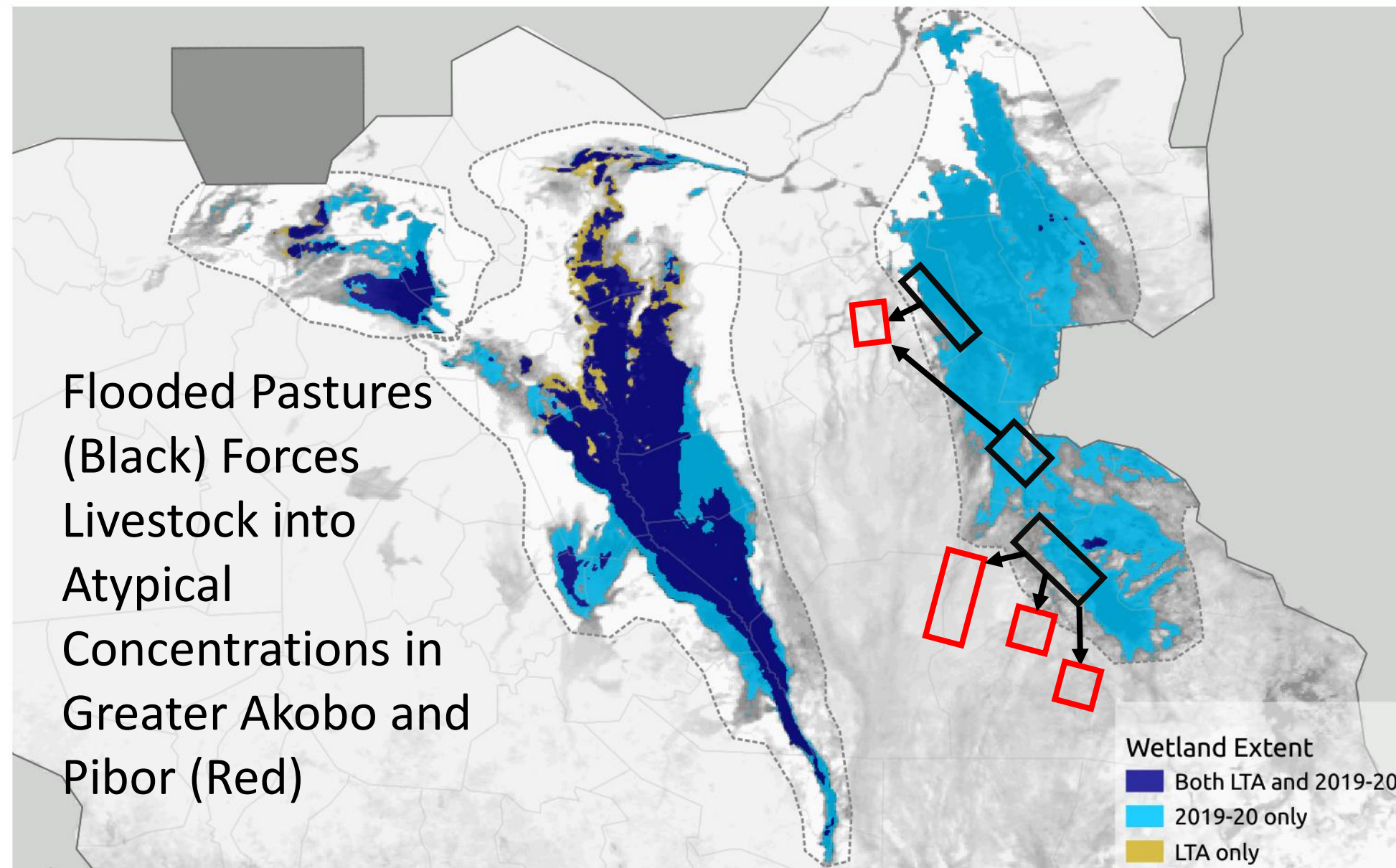


Comparing the wetland extent reached during 2019-20 with the long-term average (LTA) extent.

- Dark blue represent wetland areas in both the LTA and 2019-20 data.
- Yellow where wetland in the LTA dataset is not present in the 2019-20 data.
- Light blue represents wetland present in 2019-20 but not in the LTA.

We see the widening of the Sudd marshes but also note a decrease in its northern reaches.

The much wider extent of the Sobat system is the exceptional feature of the 2019-20 season.



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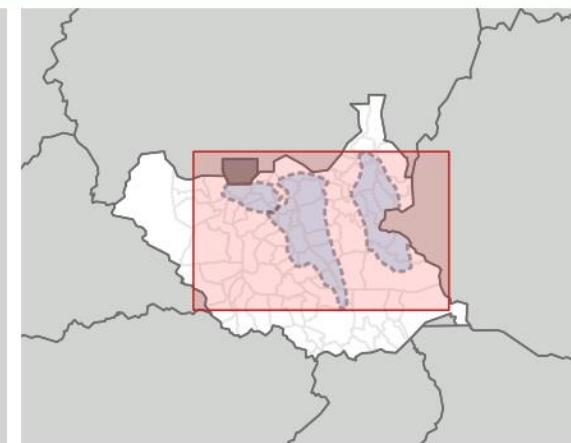
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Threat of Raiding
Pushes Livestock into
Flooded Areas → Major
Livestock Disease
Outbreaks in Ayod and
Duk IPC Phase 5 Pockets



Wetland Extent

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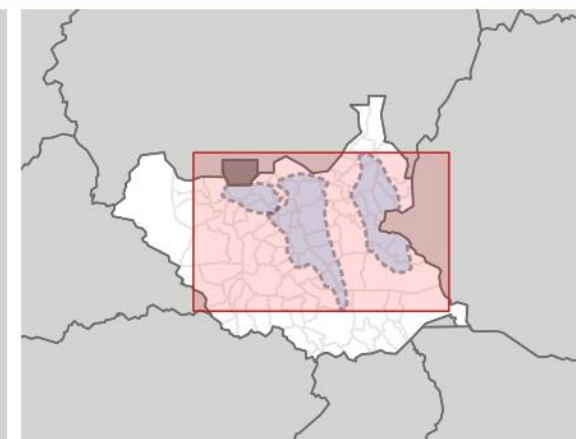
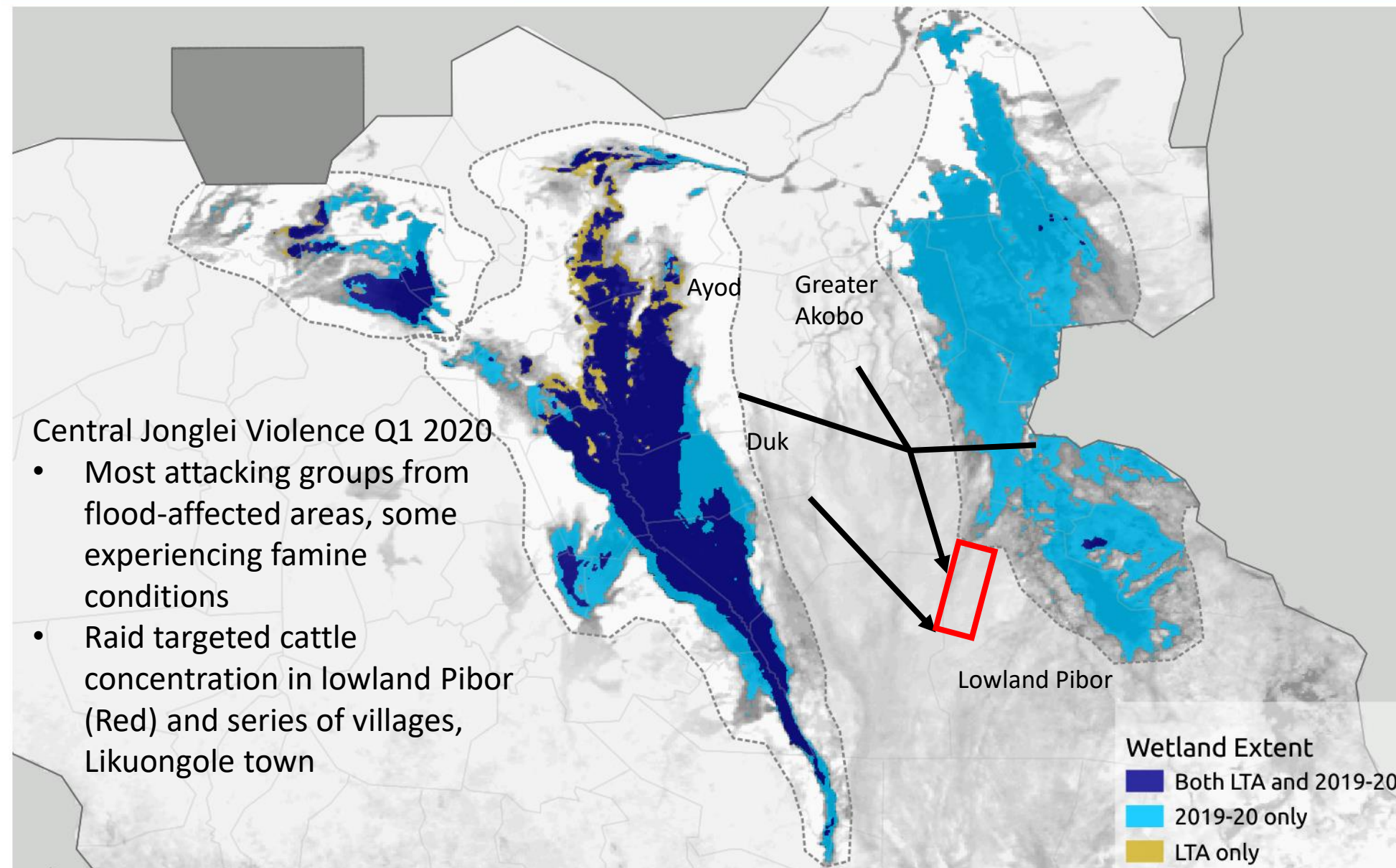


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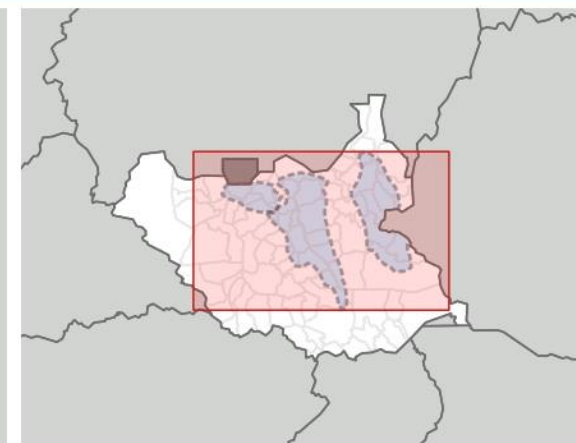
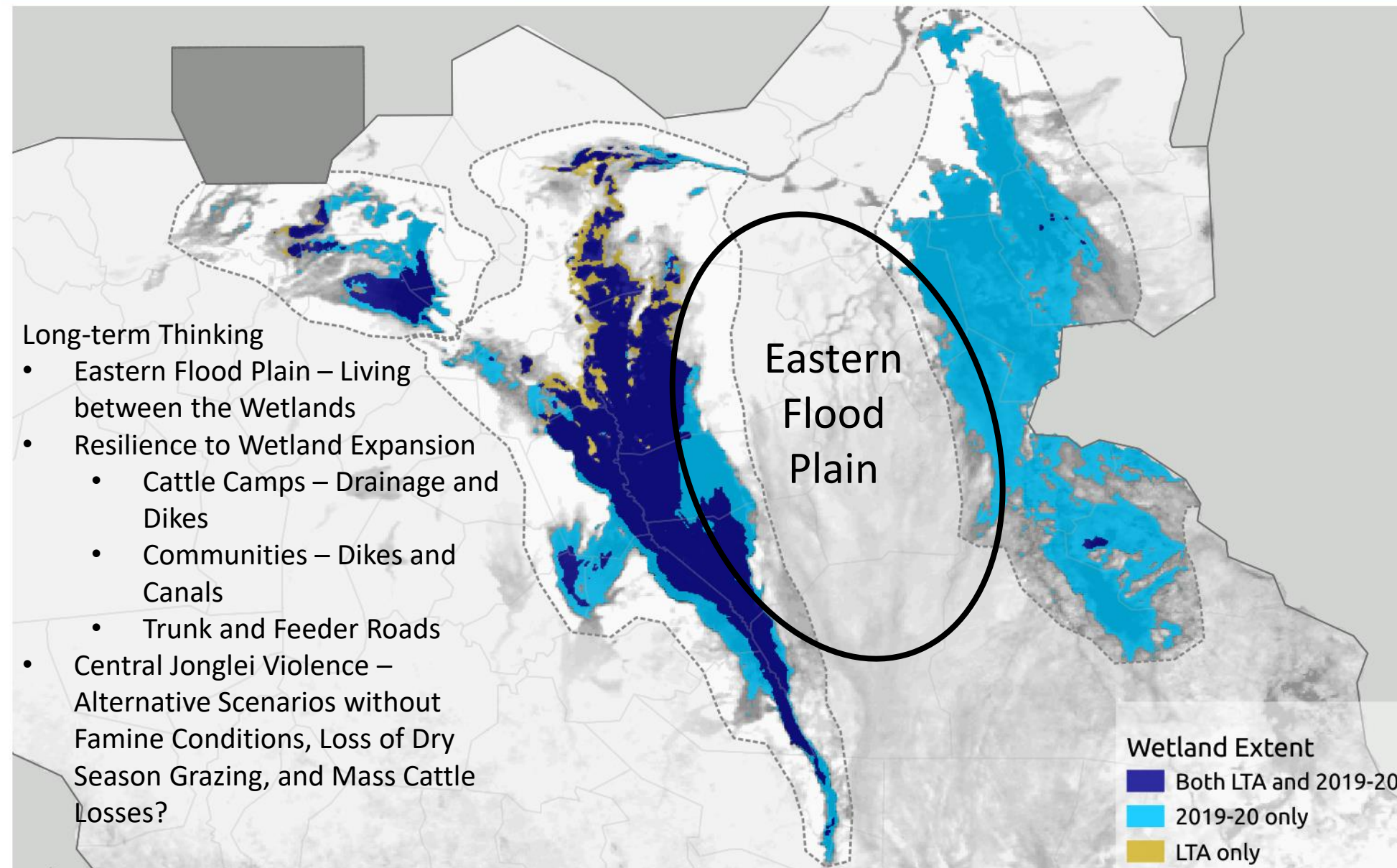


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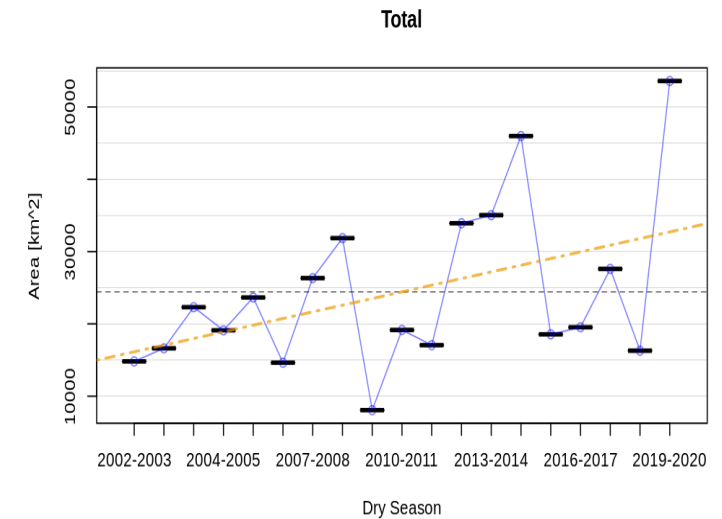
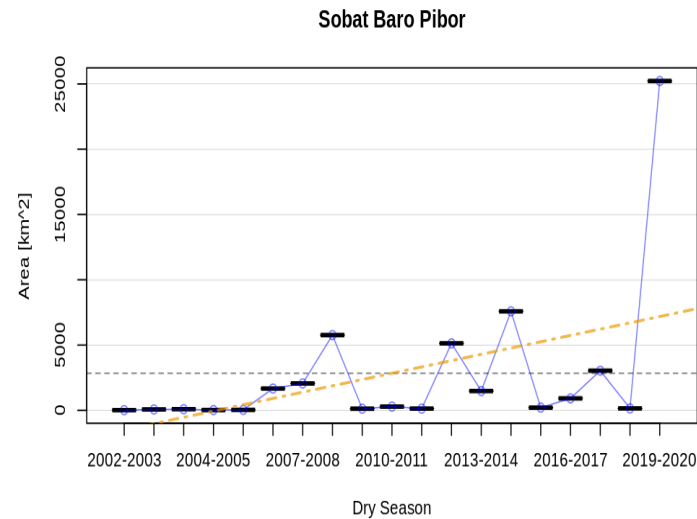
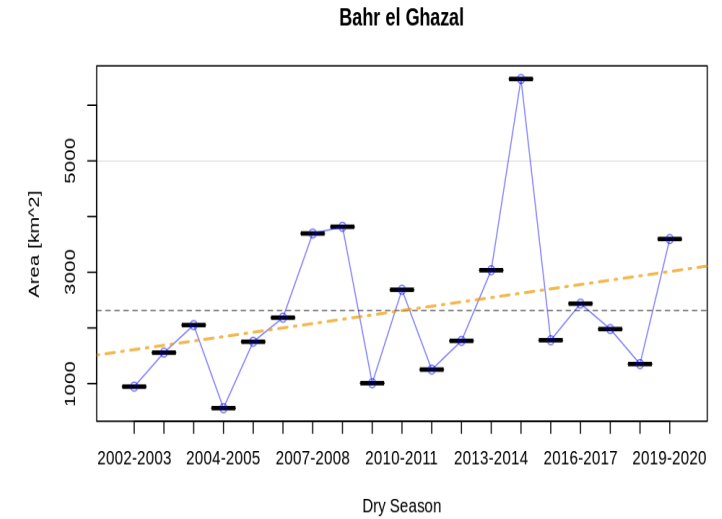
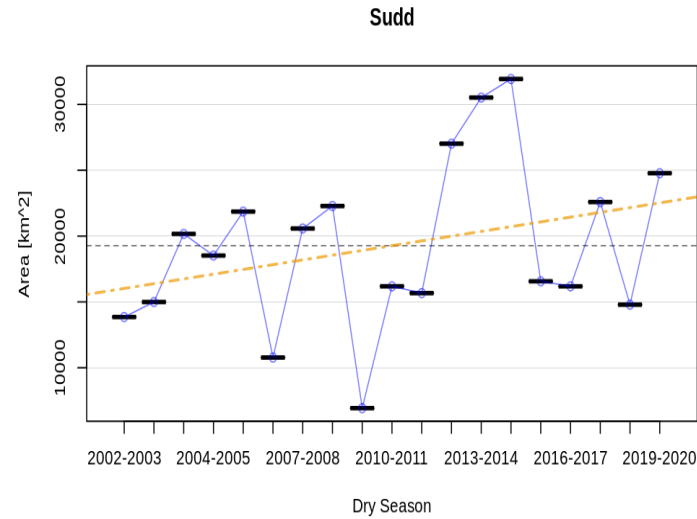
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Long-term Thinking

- Eastern Flood Plain – Living between the Wetlands
- Resilience to Wetland Expansion
 - Cattle Camps – Drainage and Dikes
 - Communities – Dikes and Canals
 - Trunk and Feeder Roads
- Central Jonglei Violence – Alternative Scenarios without Famine Conditions, Loss of Dry Season Grazing, and Mass Cattle Losses?

A Growing Problem?

- Possible 20-year Trend in Increasing Wetland Extent
- Agro-pastoralism/Pastoralism in the Greater Horn of Africa
 - Most areas of region drier
 - Flood Plains of South Sudan Wetter
 - Different Interventions to Shift Long-term Trajectory of Agriculture and Pastoralism



THANK YOU

