

Monthly Flood Status Report - January 2020



Prepared for the Congo Country Office of the World Food
Programme



Flood Status & Impacts Summary This Month

- **Cuvette** is currently the Department with the most flooded area, with an estimated **10,276** people potentially affected
- **Loukolela, Mossaka, and Makotimpoko** are currently the top 3 affected Districts by flood area this month.
- **Cuvette** currently is the Department with the most flooded agriculture, while **Loukolela, Mossaka, and Liranga** are currently the top 3 affected Districts by flooded agriculture.
- Over **300 villages** potentially remain submerged based on the detections this month
- **Brazzaville** Department experienced the greatest rainfall according to satellite rainfall estimates (**77.5 mm**)

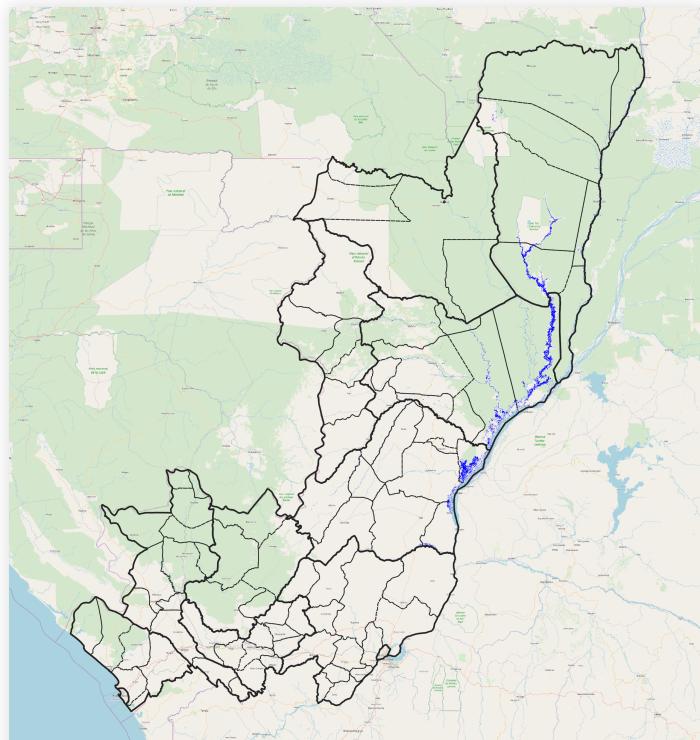




Flood Status Overview

- Across Likouala, Cuvette, & Plateaux 3,694 km² remains flooded.

Source: *Sentinel-1 GRD, Sentinel-2 MSS, Landsat 8 OLI*



Congo:
Flood Map

Department
District
Flood
Perm Water

0 50 100 km



Flood Area Overview

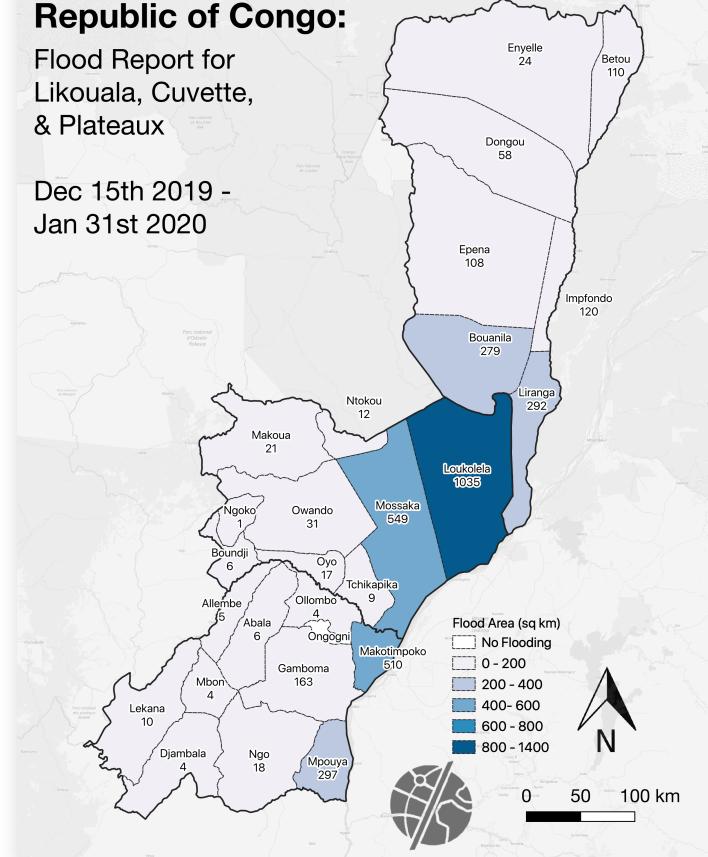
- Loukolela (1,305), Mossaka (549), and Makotimpoko (510) remain the most flood affected districts in terms of total flooded area (km^2)

Source: Sentinel-1 GRD, Sentinel-2 MSS, Landsat 8 OLI

Republic of Congo:

Flood Report for
Likouala, Cuvette,
& Plateaux

Dec 15th 2019 -
Jan 31st 2020



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Flood Monitoring for Departments of Likouala, Cuvette, and Plateaux



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Population and cropland and roads most likely impacted by flood detection this month



Department	District	Agriculture impacted [km ²]	Potential population impacted	Roads impacted (m)
Plateaux	Ngo	0.0054	8	70
Likouala	Epena	0.0097	979	2580
Cuvette	Owando	0.0179	557	5870
Cuvette	Oyo	0.0188	334	1990
Cuvette	Makoua	0.0215	130	860
Likouala	Impfondo	0.0278	11709	5270
Plateaux	Gamboma	0.0715	99	40
Likouala	Enyelle	0.0786	2790	8000
Plateaux	Mpouya	0.0795	459	1450
Plateaux	Makotimpoko	0.1032	6442	1940
Cuvette	Mossaka	0.1398	4097	1720
Likouala	Liranga	0.1502	15652	190
Likouala	Dongou	0.2108	8194	1030
Cuvette	Loukolela	0.5060	5102	2300
Likouala	Betou	0.6913	26382	7510

Exposure categories by district located in areas detected as flood

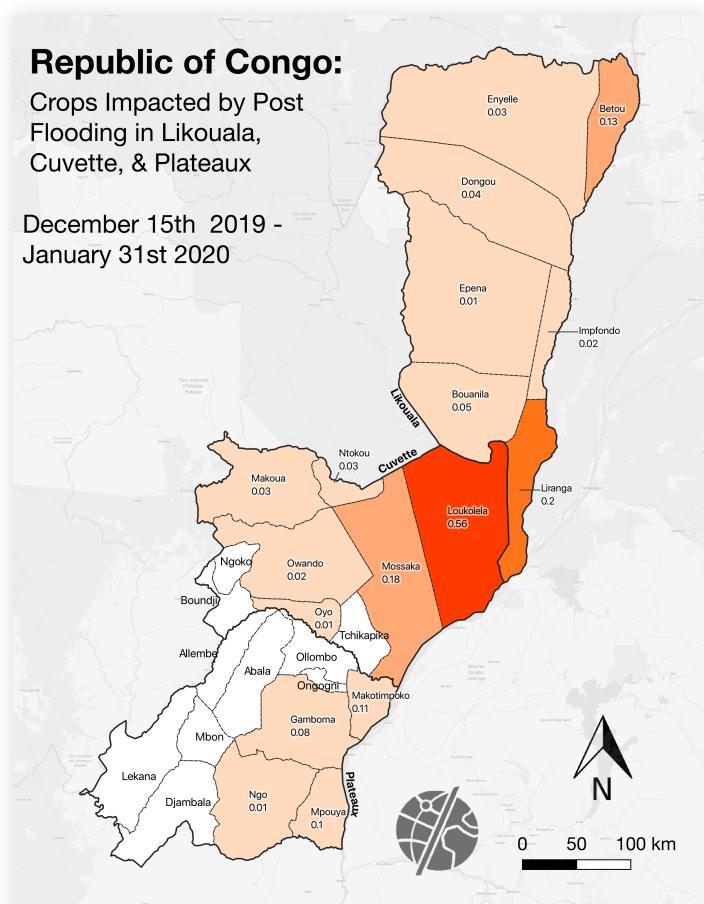


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Flooded Cropland Area Overview

- Affected Cropland (km^2) by District in Likouala (0.48), Cuvette (0.83), and Plateaux (0.32)



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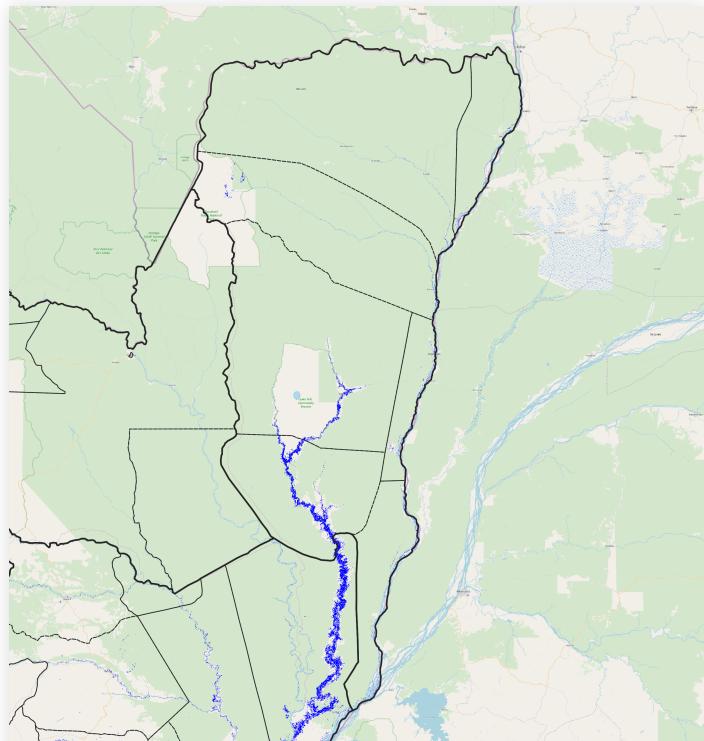


Settlements most likely impacted by flood detection this month

Department	District	Village	Flood Area
Cuvette	Mossaka	Bokoso Two	67466
Cuvette	Mossaka	Bokoso II	67466
Cuvette	Mossaka	Lokanga	67191
Cuvette	Mossaka	Bobousa	62117
Cuvette	Mossaka	Bokoso Three	59278
Likouala	Epena	Missongo	68419
Likouala	Epena	Misongo	68419
Likouala	Epena	Bodzendzo	68187
Likouala	Epena	Matoko	65960
Likouala	Epena	Ilanga	65832
Plateaux	Gamboma	Dimou	69529
Plateaux	Gamboma	Menboua	69325
Plateaux	Gamboma	Maboua	69325
Plateaux	Gamboma	Nzalokwe	68894
Plateaux	Gamboma	Mite Mite	68433

Settlements by district located in areas detected as flood





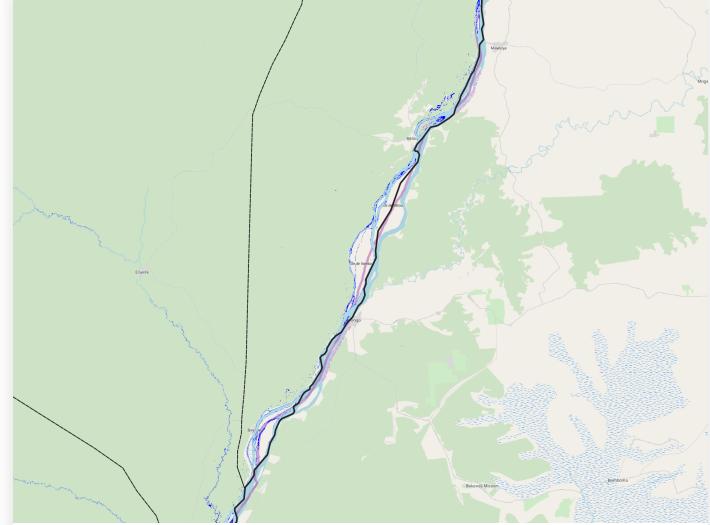
Likouala:
Flood Map

- Department
- District
- Flood
- Perm Water



0 20 40 km



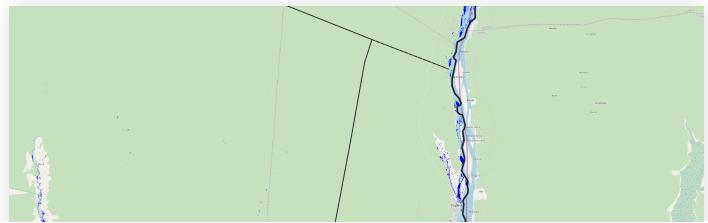


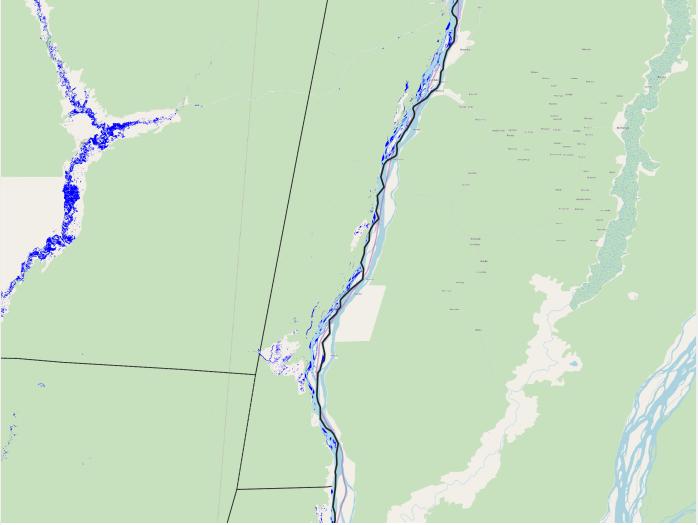
Betou:
Flood Map

- Department
- District
- Flood
- Perm Water



0 5 10 km



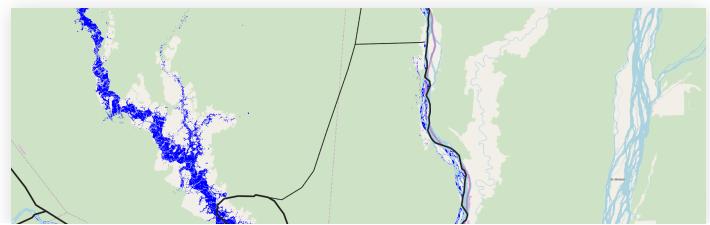


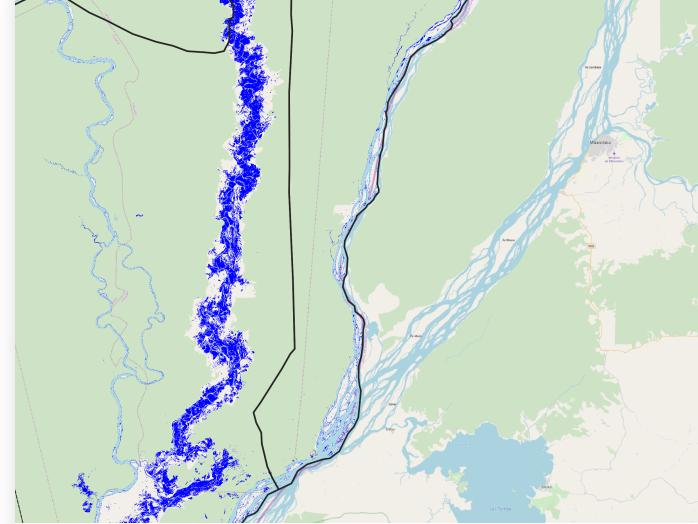
Impfondo:
Flood Map

- Department
- District
- Flood
- Perm Water



0 5 10 km





Liranga:
Flood Map

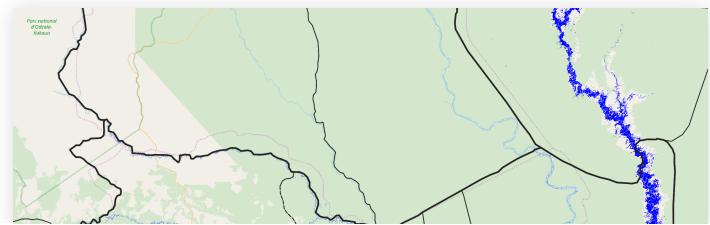
- Department
- District
- Flood
- Perm Water

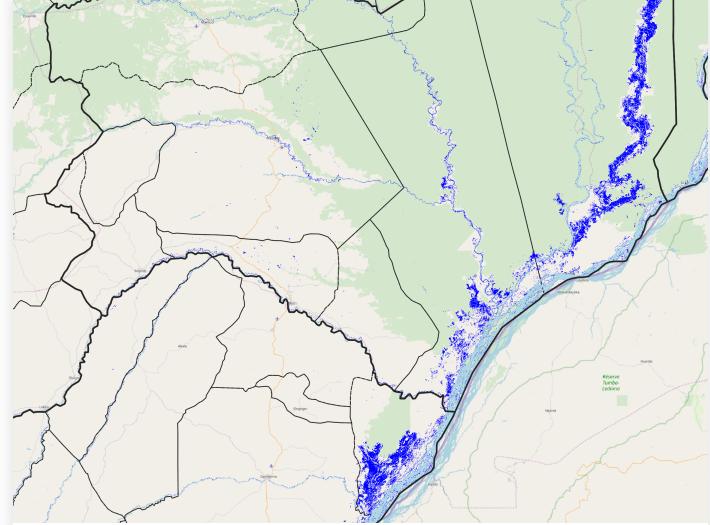


0 5 10 km



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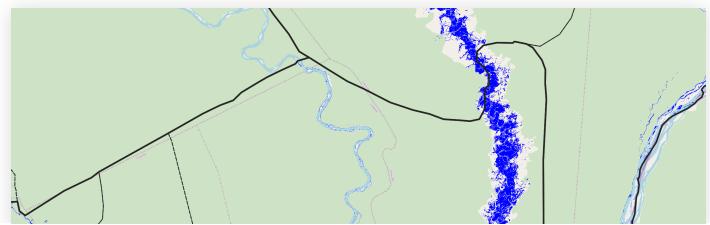


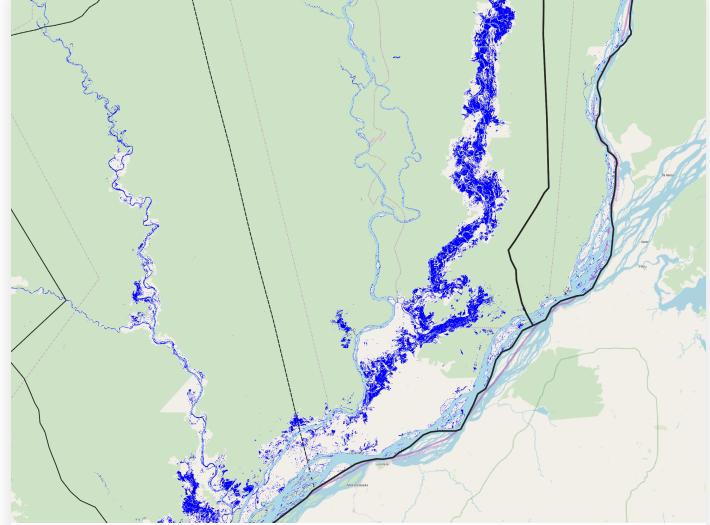
Cuvette:
Flood Map

- Department
- District
- Flood
- Perm Water



0 20 40 km



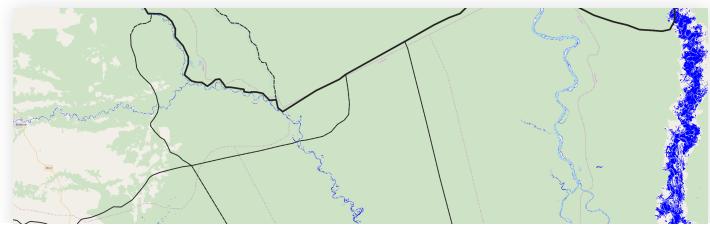


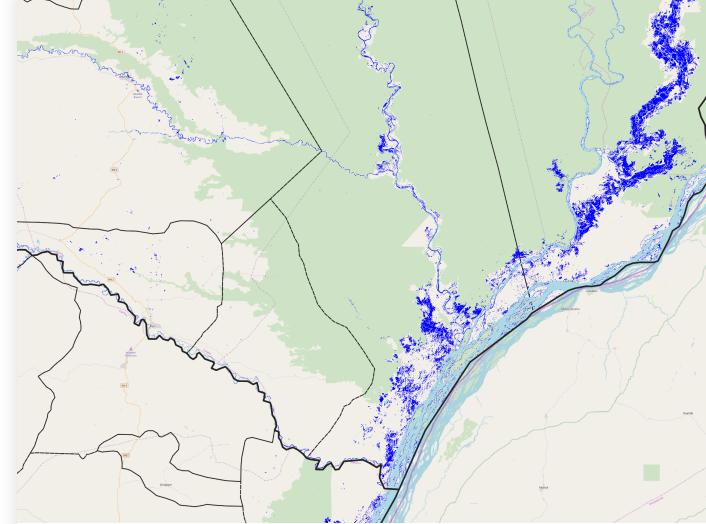
Loukolela:
Flood Map

- Department
- District
- Flood
- Perm Water



0 5 10 km



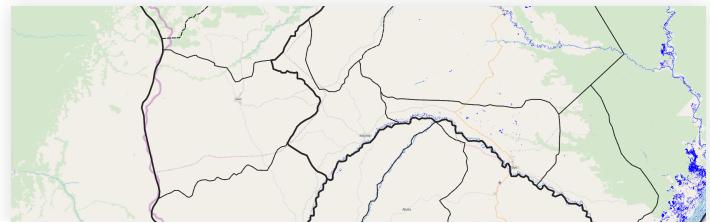


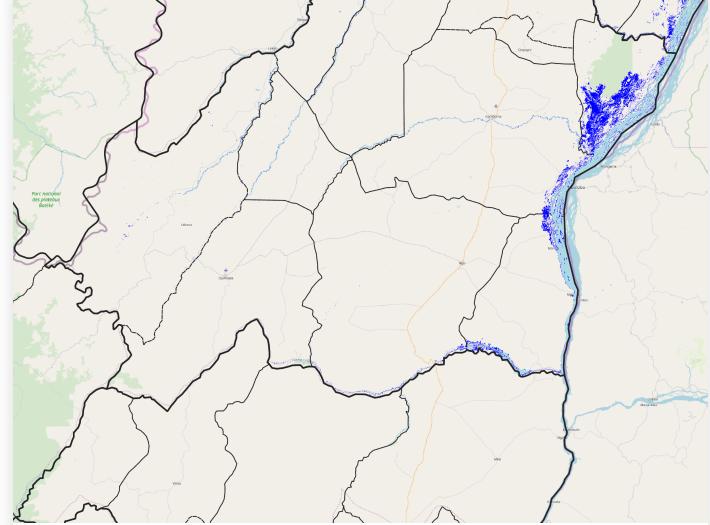
Mossaka:
Flood Map

- Department
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- Flood
- Perm Water



0 5 10 km



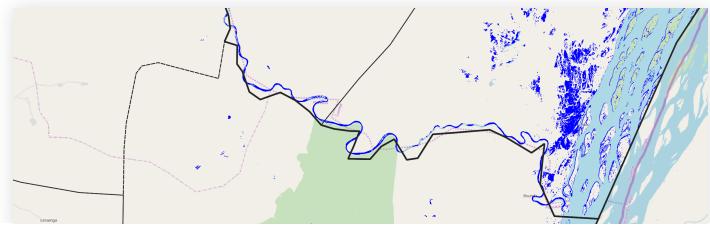


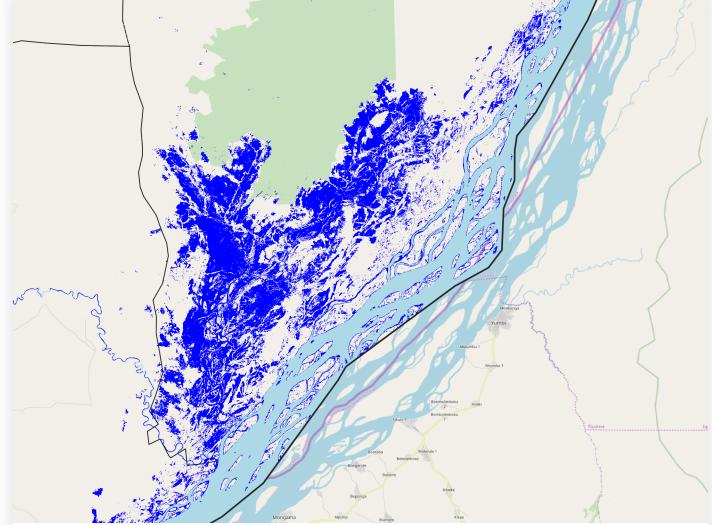
Plateaux:
Flood Map

- Department
- District
- Flood
- Perm Water



0 20 40 km





Makotimpoko:
Flood Map

■ Department
■ District
■ Flood
■ Perm Water



0 5 10 km



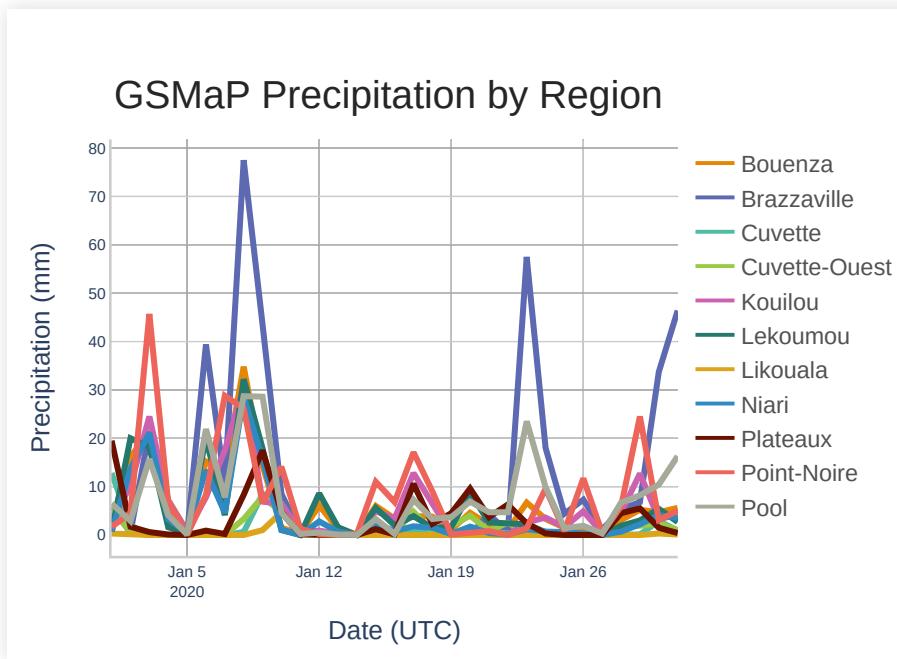
Precipitation this Past Month



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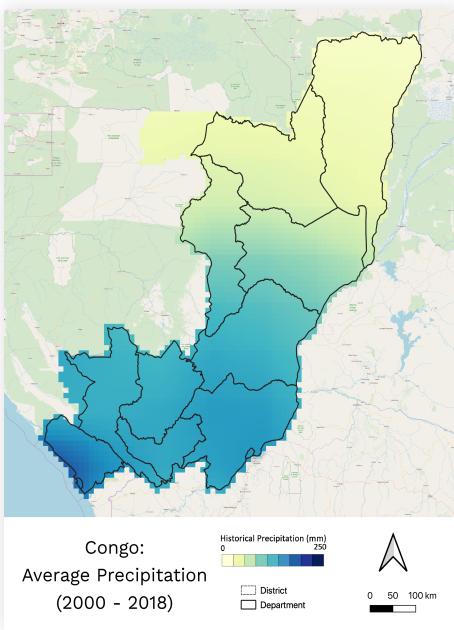
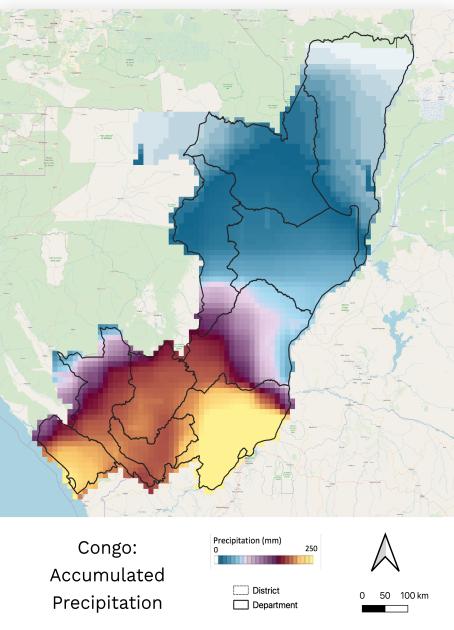
Rainfall by Department last month



Brazzaville Department received the most rainfall this month (77.5 mm) on January 8, 2020



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Areas most likely affected by rainfall last month
January (month). Pool Department had