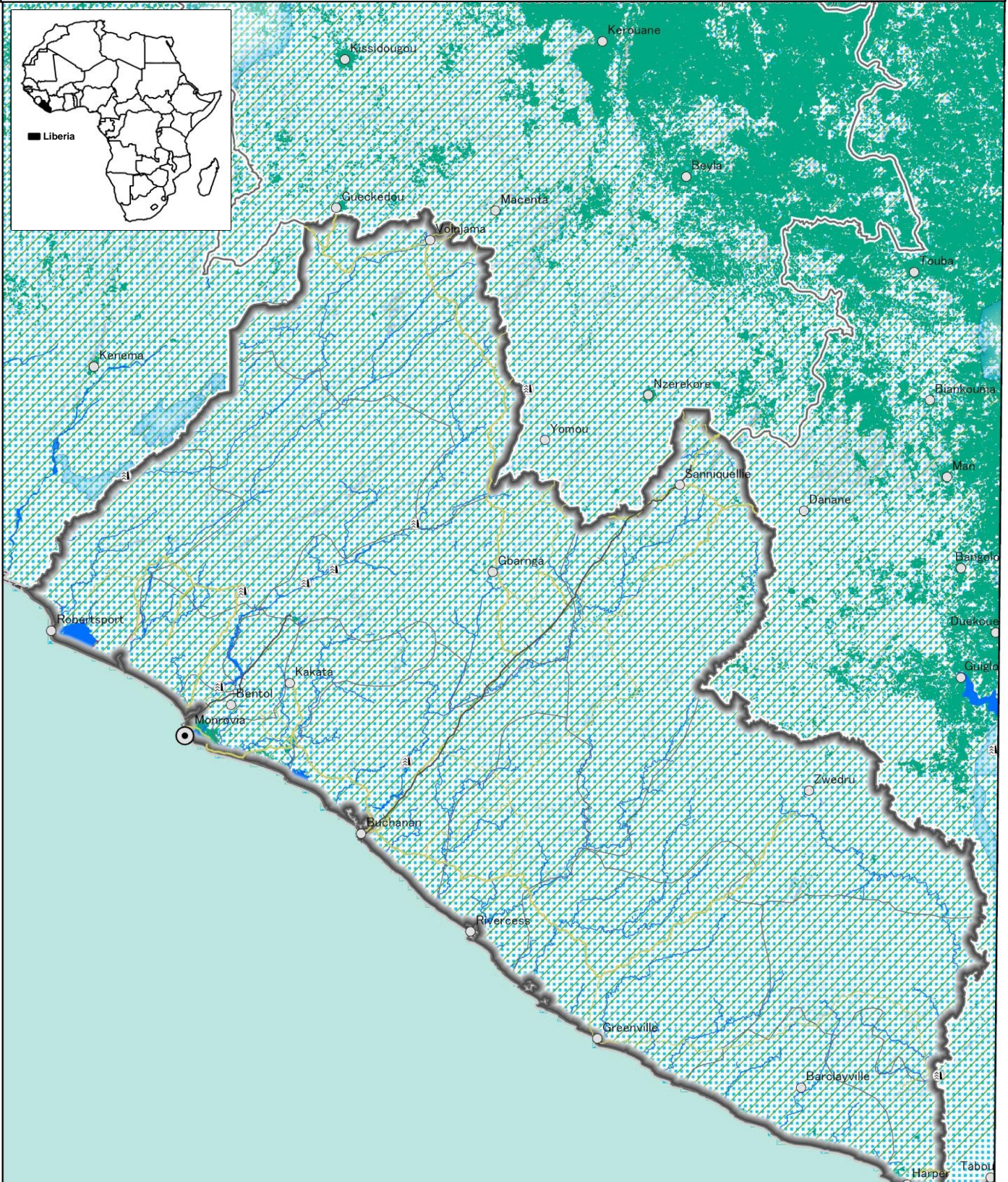
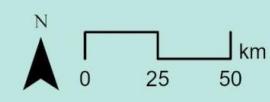


Map of suitable areas for cultivation of upland rice (NERICA) in Liberia
 Rainy year 2006 : 1st rainy season sowing



LEGEND

Suitable for rain-fed cultivation Drought risk: Low Soil pH: Good (Rainfall: > 25mm/pentad, pH: 5.5-7.0)	Not suitable for rain-fed cultivation (Rainfall: < 15mm/pentad)	Poor growth in vegetative growth risk: Moderate or higher (Avg. temp: < 19°C or > 40°C in 0-55 days of growing stage)	River, Lake
Suitable for rain-fed cultivation Drought risk: Low Soil pH: Adequate (Rainfall: > 25mm/pentad, pH: 4.5-5.5)	Heat-induced spikelet sterility risk: Moderate or higher (Avg. Max. temp * 1: > 35°C in 55-75 days of growing stage)	Risk of temperature damage during ripening: Moderate or higher (Avg. temp: < 20°C or > 36°C in 76-100 days of growing stage)	Capital, major city
Possible for rain-fed cultivation Drought risk: Moderate or higher (Rainfall: 15-25mm/pentad)	Cool-injury inducing spikelet sterility risk: Moderate or higher (Avg. temp: < 22°C in 55-75 days of growing stage)	Nature conservation areas, etc. * 2	Main road
*1: Pentad average of daily maximum temperature.		Dam (Irrigation use) * 3	National border, administrative boundary
*2: IUCN management Category (Ia, Ib, II, III, IV), World Conservation Monitoring Centre.		Dam (Non-irrigation use) * 4	Existing farmland (field, etc.) * 4
*3: Geo-reference database on dams in Africa, FAO AQUASTA.		Existing farmland (wetland, paddy field, etc.)	
*4: Sentinel-2 10m land cover time series of the world from 2017-2021, Impact Observatory, Microsoft, and Esri.			



Map of suitable areas for cultivation of upland rice (NERICA) in Liberia
 Rainy year 2006 : 2nd rainy season sowing



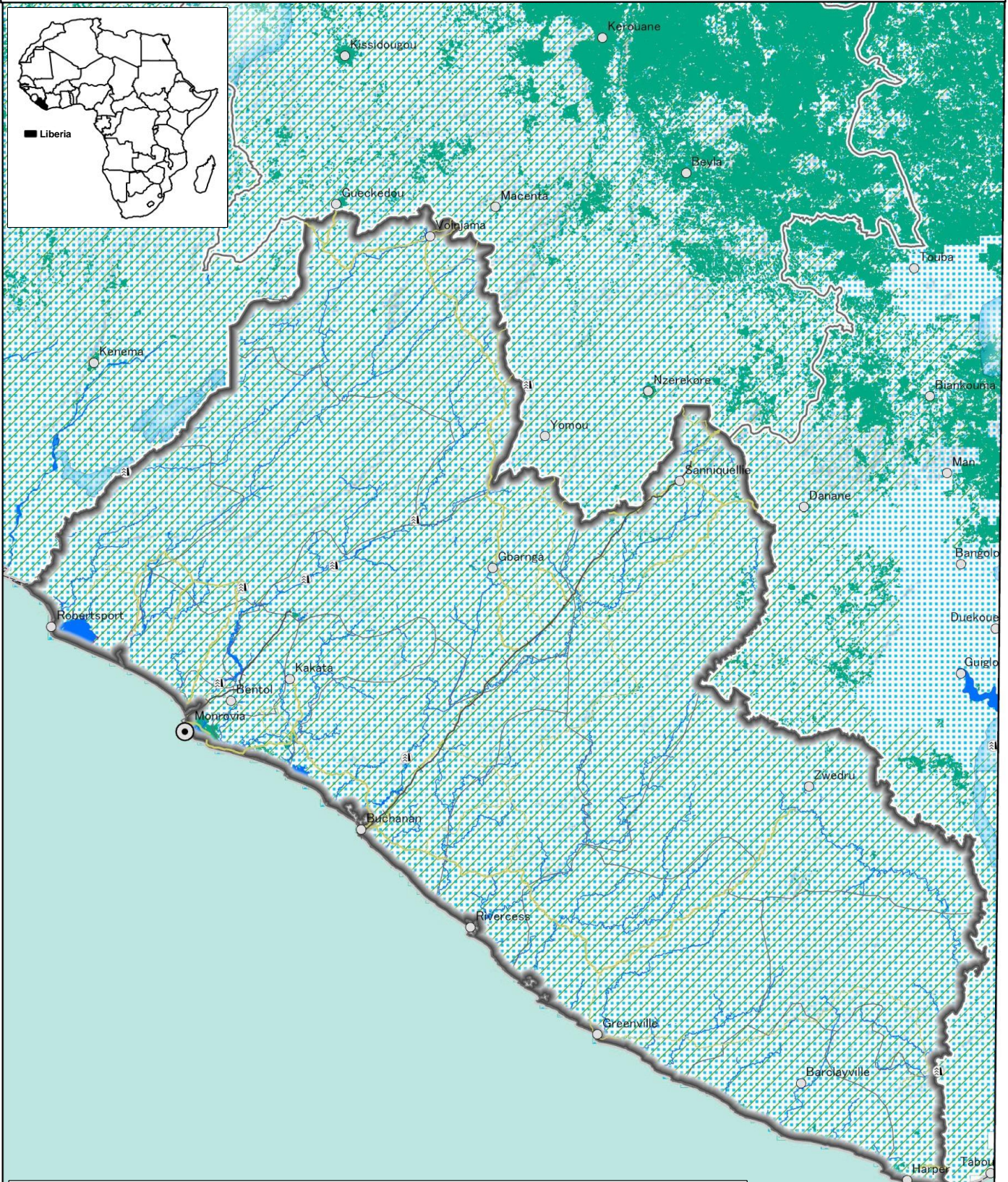
LEGEND

- | | | | |
|--|---|--|--|
| Suitable for rain-fed cultivation
Drought risk: Low
Soil pH: Good
(Rainfall: > 25mm/pentad,
pH: 5.5-7.0) | Not suitable for rain-fed cultivation
(Rainfall: < 15mm/pentad) | Poor growth in vegetative
growth risk: Moderate or higher
(Avg. temp: < 19°C or > 40°C in
0-55 days of growing stage) | River, Lake |
| Suitable for rain-fed cultivation
Drought risk: Low
Soil pH: Adequate
(Rainfall: > 25mm/pentad,
pH: 4.5-5.5) | Heat-induced spikelet sterility
risk: Moderate or higher
(Avg. Max. temp * 1: > 35°C in
55-75 days of growing stage) | Risk of temperature damage
during ripening: Moderate or
higher
(Avg. temp: > 20°C or > 36°C in
76-100 days of growing stage) | Capital, major city |
| Possible for rain-fed cultivation
Drought risk: Moderate or
higher
(Rainfall: 15-25mm/pentad) | Cool-injury inducing spikelet
sterility risk: Moderate or
higher (Avg. temp: < 22°C in
55-75 days of growing stage) | Nature conservation areas, etc.
* 2 | Main road |
| | Dam (Irrigation use) * 3
Dam (Non-irrigation use)
* 4 | National border, administrative
boundary | Existing farmland (field, etc.) * 4
Existing farmland
(wetland, paddy field, etc.) |



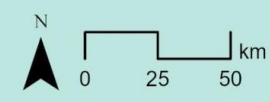
*1: Pentad average of daily maximum temperature.
 *2: IUCN management Category (Ia, Ib, II, III, IV), World Conservation Monitoring Centre.
 *3: Geo-reference database on dams in Africa, FAO AQUASTA.
 *4: Sentinel-2 10m land cover time series of the world from 2017-2021, Impact Observatory, Microsoft, and Esri.

Map of suitable areas for cultivation of upland rice (NERICA) in Liberia
Drought year 2015 : 1st rainy season sowing

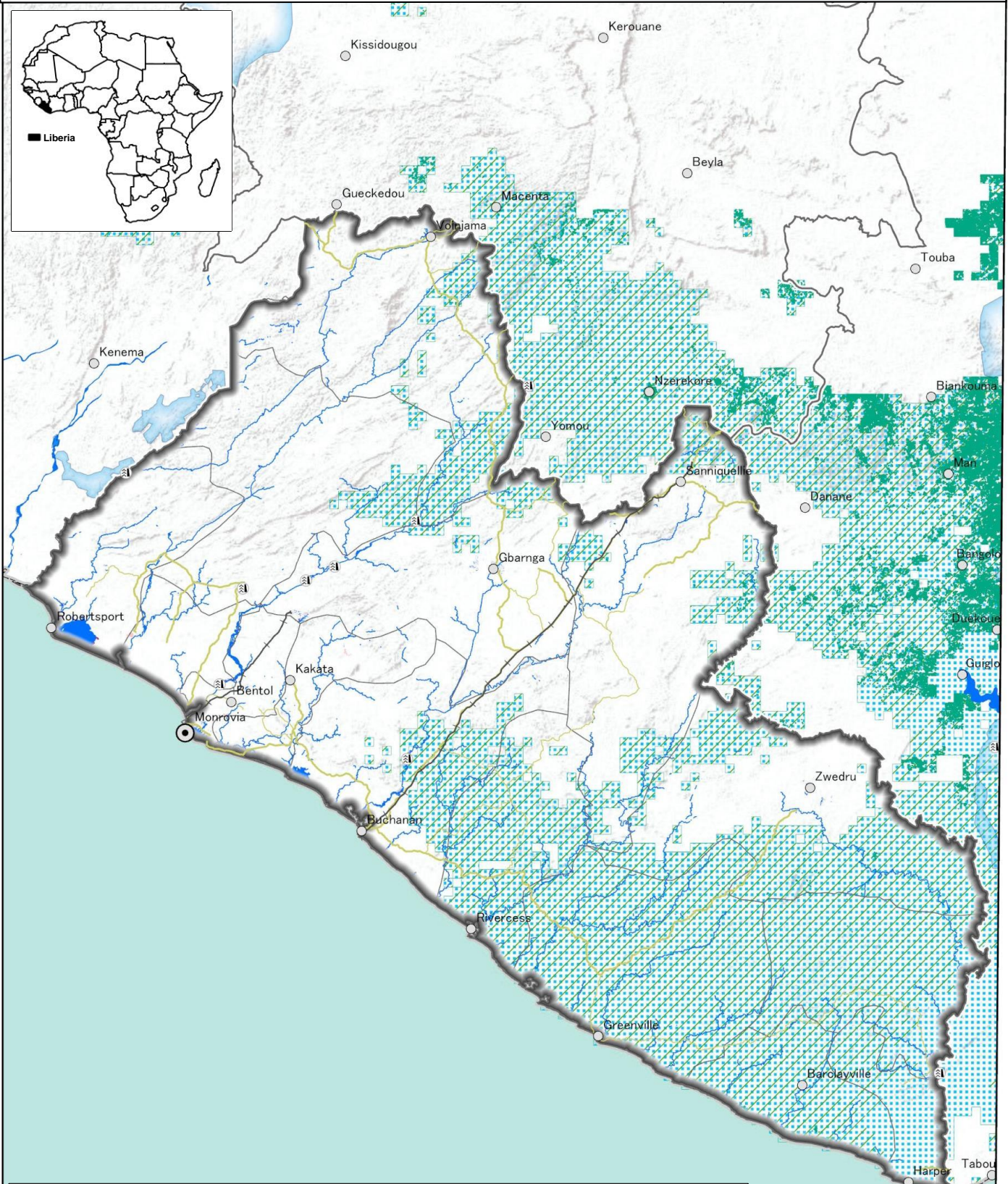


LEGEND

Suitable for rain-fed cultivation Drought risk: Low Soil pH: Good (Rainfall: > 25mm/pentad, pH: 5.5-7.0)	Not suitable for rain-fed cultivation (Rainfall: < 15mm/pentad)	Poor growth in vegetative growth risk: Moderate or higher (Avg. temp: < 19°C or > 40°C in 0-55 days of growing stage)	River, Lake
Suitable for rain-fed cultivation Drought risk: Low Soil pH: Adequate (Rainfall: > 25mm/pentad, pH: 4.5-5.5)	Heat-induced spikelet sterility risk: Moderate or higher (Avg. Max. temp * 1: > 35°C in 55-75 days of growing stage)	Risk of temperature damage during ripening: Moderate or higher (Avg. temp: < 20°C or > 36°C in 76-100 days of growing stage)	Capital, major city
Possible for rain-fed cultivation Drought risk: Moderate or higher (Rainfall: 15-25mm/pentad)	Cool-injury inducing spikelet sterility risk: Moderate or higher (Avg. temp: < 22°C in 55-75 days of growing stage)	Nature conservation areas, etc. * 2	Main road
<p>*1: Pentad average of daily maximum temperature. *2: IUCN management Category (Ia, Ib, II, III, IV), World Conservation Monitoring Centre. *3: Geo-reference database on dams in Africa, FAO AQUASTA. *4: Sentinel-2 10m land cover time series of the world from 2017-2021, Impact Observatory, Microsoft, and Esri.</p>			National border, administrative boundary Dam (Irrigation use) * 3 Dam (Non-irrigation use) Existing farmland (field, etc.) * 4 Existing farmland (wetland, paddy field, etc.)



Map of suitable areas for cultivation of upland rice (NERICA) in Liberia
Drought year 2015 : 2nd rainy season sowing



LEGEND

Suitable for rain-fed cultivation Drought risk: Low Soil pH: Good (Rainfall: > 25mm/pentad, pH: 5.5-7.0)	Not suitable for rain-fed cultivation (Rainfall: < 15mm/pentad)	Poor growth in vegetative growth risk: Moderate or higher (Avg. temp: < 19°C or > 40°C in 0-55 days of growing stage)	River, Lake
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		National border, administrative boundary	Dam (Irrigation use) * 3 Dam (Non-irrigation use) * 1
			Existing farmland (field, etc.) * 4 Existing farmland (wetland, paddy field, etc.)

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