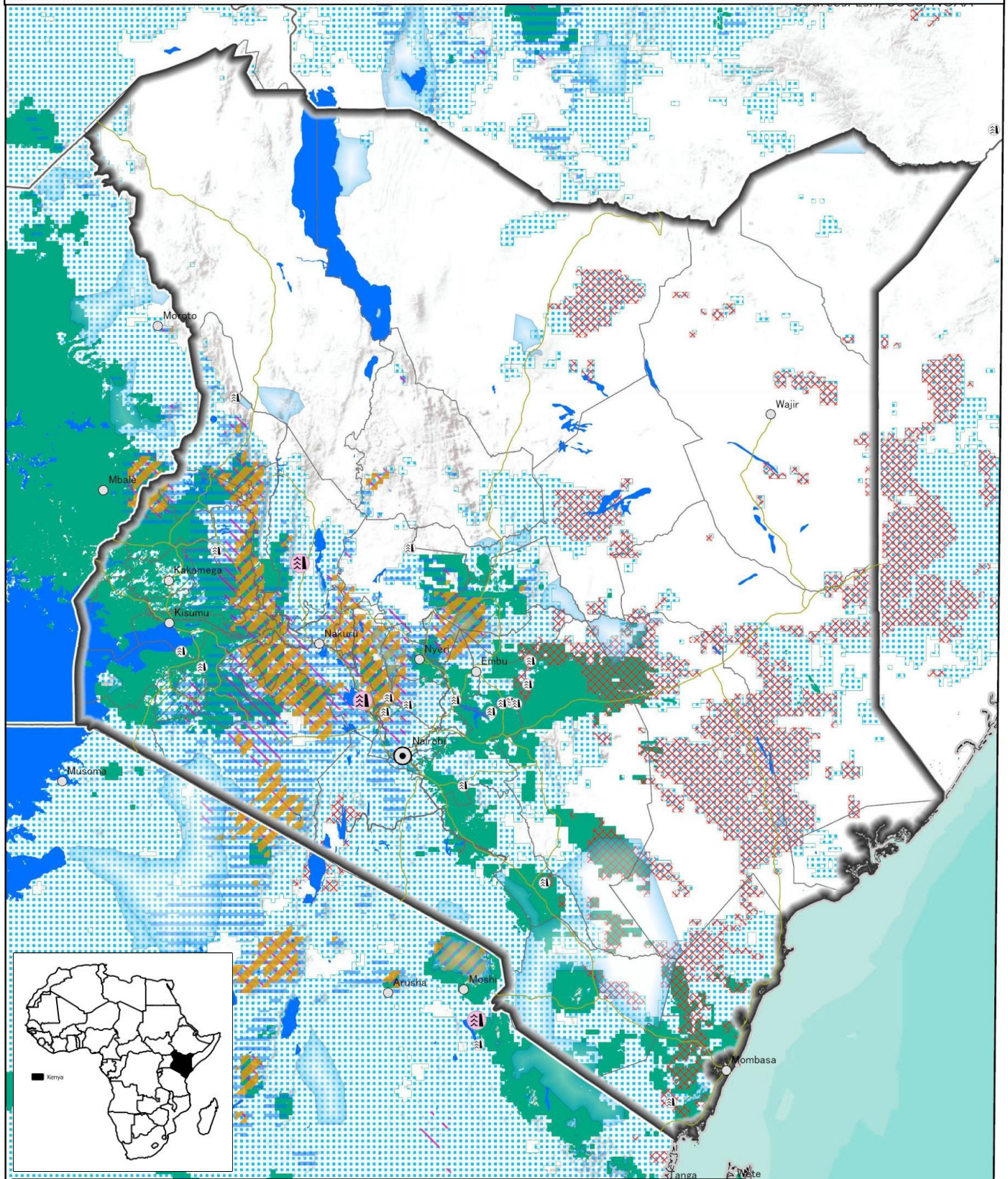


Map of suitable areas for cultivation of upland rice (NERICA) in Republic of Kenya  
 Rainy year 2006 : 1st rainy season sowing



LEGEND

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

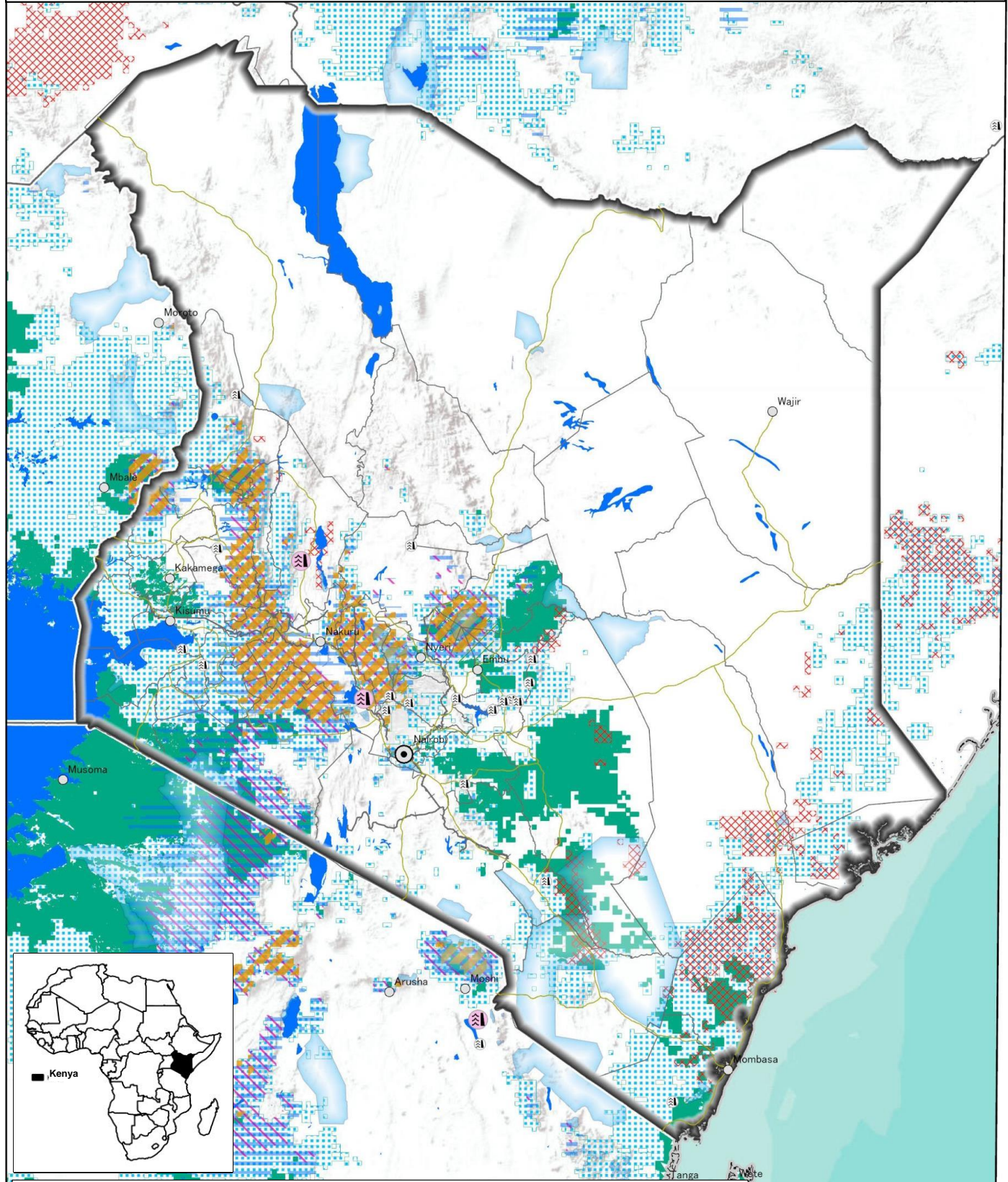
\*1: Pentad average of daily maximum temperature.  
 \*2: IUCN management Category (Ia, Ib, II, III, IV), World Conservation Monitoring Centre.  
 \*3: Geo-reference database on dams in Africa, FAO AQUASTA.  
 \*4: Sentinel-2 10m land cover time series of the world from 2017-2021, Impact Observatory,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





# Map of suitable areas for cultivation of upland rice (NERICA) in Kenya

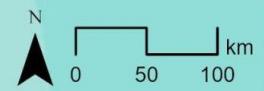
Rainy year 2006 : 2nd rainy season sowing



### LEGEND

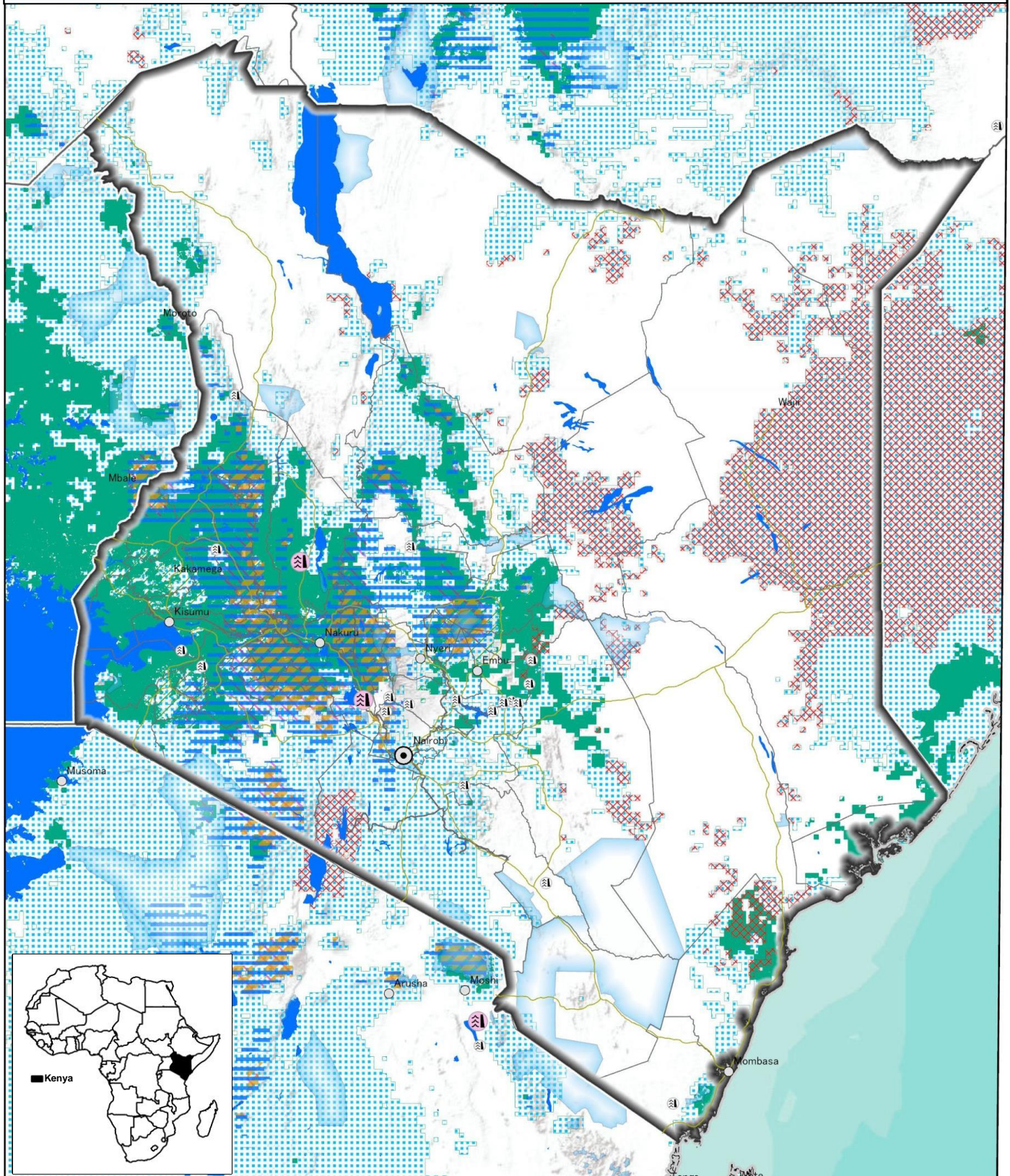
- |  |  |  |   |
|--|--|--|---|
| Suitable for rain-fed cultivation<br>Drought risk: Low<br>Soil pH: Good<br>(Rainfall: > 25mm/pentad,<br>pH: 5.5-7.0)     | Not suitable for rain-fed cultivation<br>(Rainfall: < 15mm/pentad)   | Poor growth in vegetative<br>growth risk: Moderate or higher<br>(Avg. temp: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





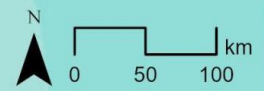
Map of suitable areas for cultivation of upland rice (NERICA) in Kenya  
Drought year 2010 : 1st rainy season sowing



LEGEND

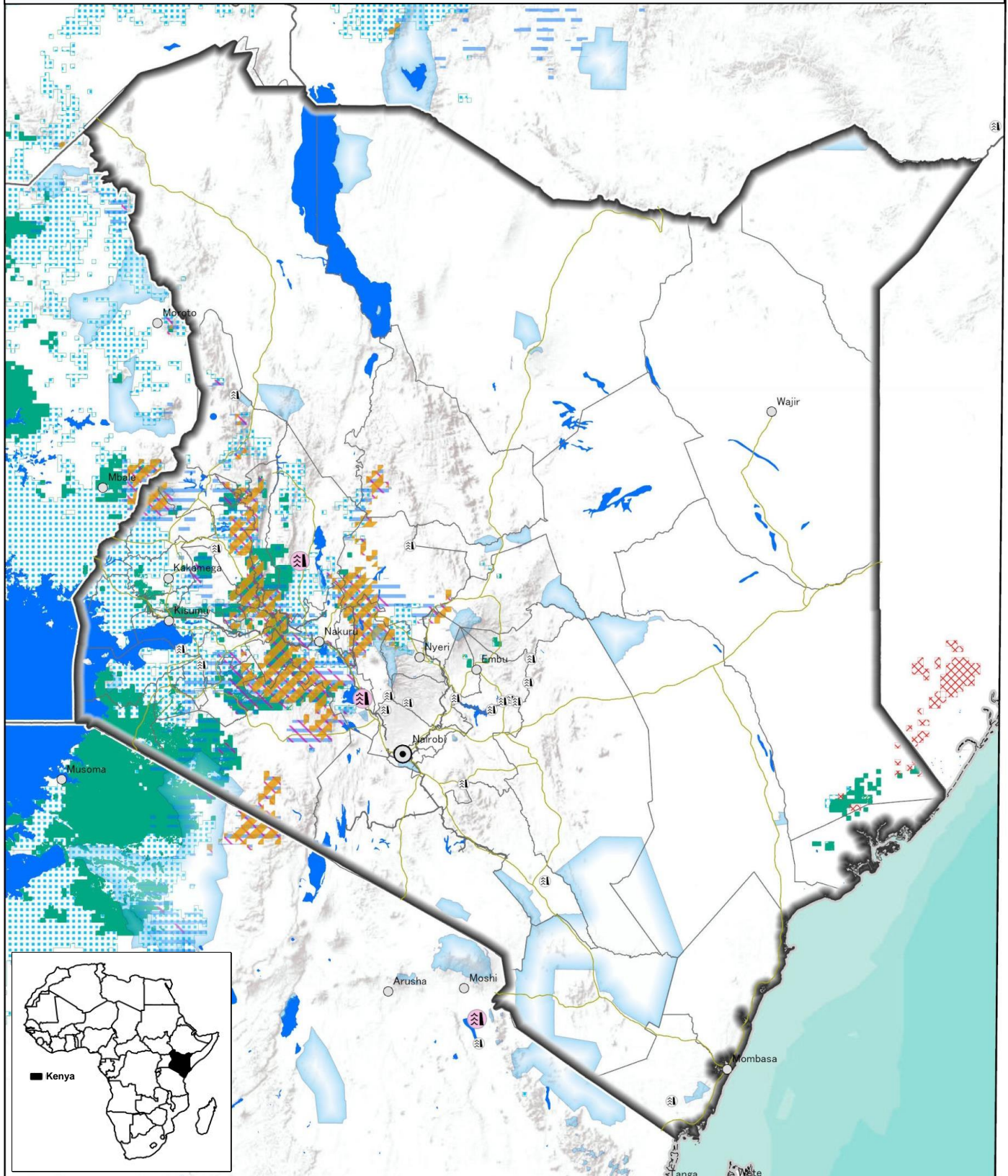
- |  |  |  |   |
|--|--|--|---|
| Suitable for rain-fed cultivation<br>Drought risk: Low<br>Soil pH: Good<br>(Rainfall: > 25mm/pentad,<br>pH: 5.5-7.0)     | Not suitable for rain-fed<br>cultivation<br>(Rainfall: < 15mm/pentad)  | Poor growth in vegetative<br>growth risk: Moderate or higher<br>(Avg. temp: < 19°C or > 40°C in<br>0-55 days of growing stage)           | River, Lake   |
| Suitable for rain-fed cultivation<br>Drought risk: Low<br>Soil pH: Adequate<br>(Rainfall: > 25mm/pentad,<br>pH: 4.5-5.5) | Heat-induced spikelet sterility<br>risk: Moderate or higher<br>(Avg. Max. temp *1: > 35°C in<br>55-75 days of growing stage) | Risk of temperature damage<br>during ripening: Moderate or<br>higher<br>(Avg. temp: < 20°C or > 36°C in<br>76-100 days of growing stage) | Capital, major city   |
| Possible for rain-fed cultivation<br>Drought risk: Moderate or<br>higher<br>(Rainfall: 15-25mm/pentad)                   | Cool-injury inducing spikelet<br>sterility risk: Moderate or<br>higher (Avg. temp: < 22°C in<br>55-75 days of growing stage) | Nature conservation areas, etc.<br>*2  | Main road   |
|  |  |  | National border, administrative<br>boundary   |
|  |  |  | Dam (Irrigation use) *3<br>Dam (Non-irrigation use)<br>*4                               |
|  |  |  | Existing farmland (field, etc.) *4<br>Existing farmland<br>(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 Kenya  
 Drought year 2010 : 2nd rainy season sowing



LEGEND

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

