

COMMERCIAL AGRICULTURE INVESTMENT GUIDE: THE NORTHERN SAVANNAH ZONE OF GHANA

APPENDIX I – LAND SUITABILITY DATABASE AND MAPS



IN COOPERATION WITH

 **queiroz galvão**
CONSTRUCTION



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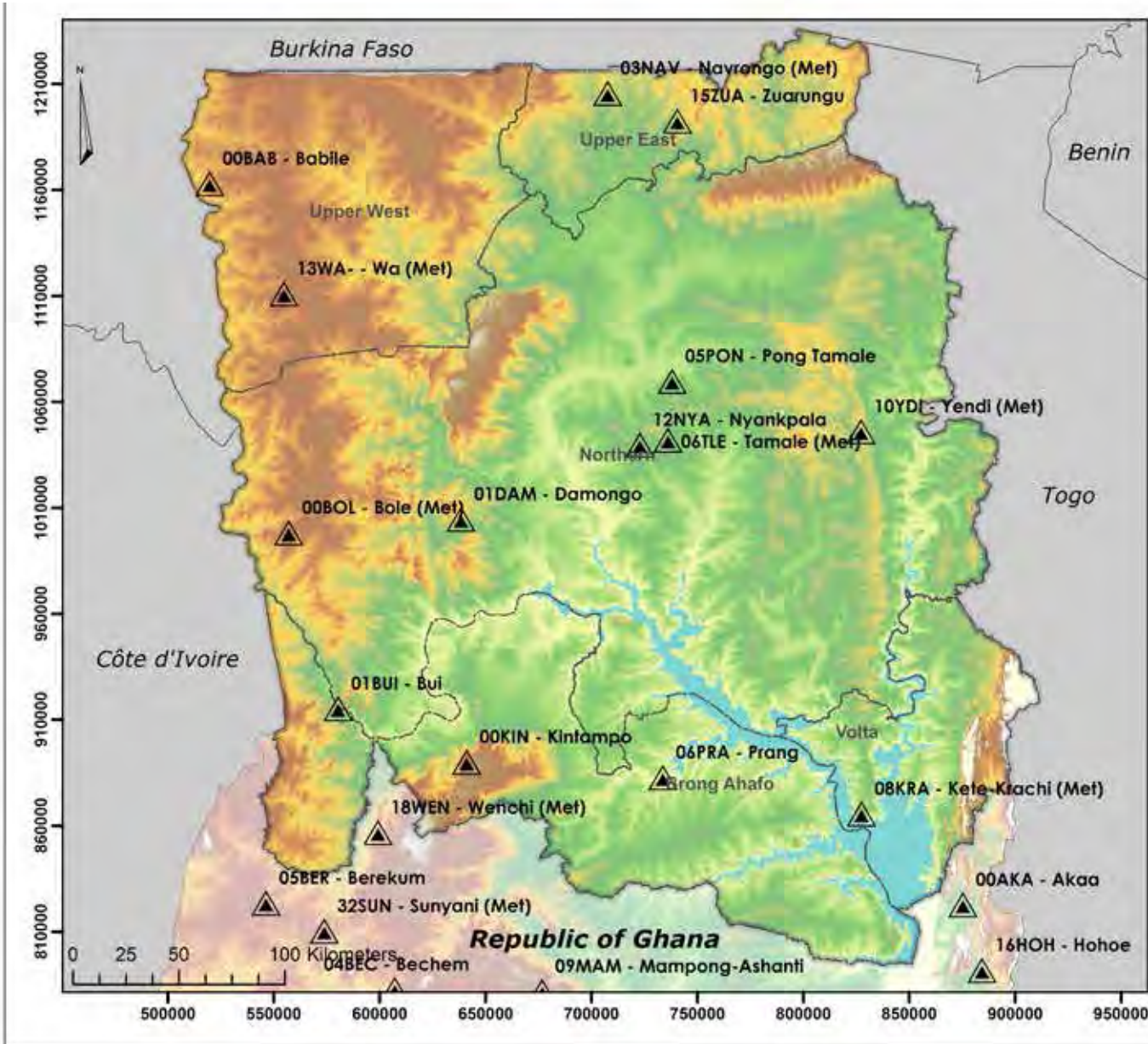
FUMBISI VALLEY IRRIGATION SCHEME PROJECT - GRAVITY (LAND AND WATER SURVEY IN THE UPPER AND NORTHERN REGIONS OF GHANA - 1968, FAO, UNDP) MAP 72

PROPOSED DAMS AND IRRIGABLE LAND IN THE SADA ZONE MAP 73

**RESOURCES
FOR LARGE SCALE
AGRICULTURE IN
THE SADA ZONE**

RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

WEATHER STATIONS



Weather Stations

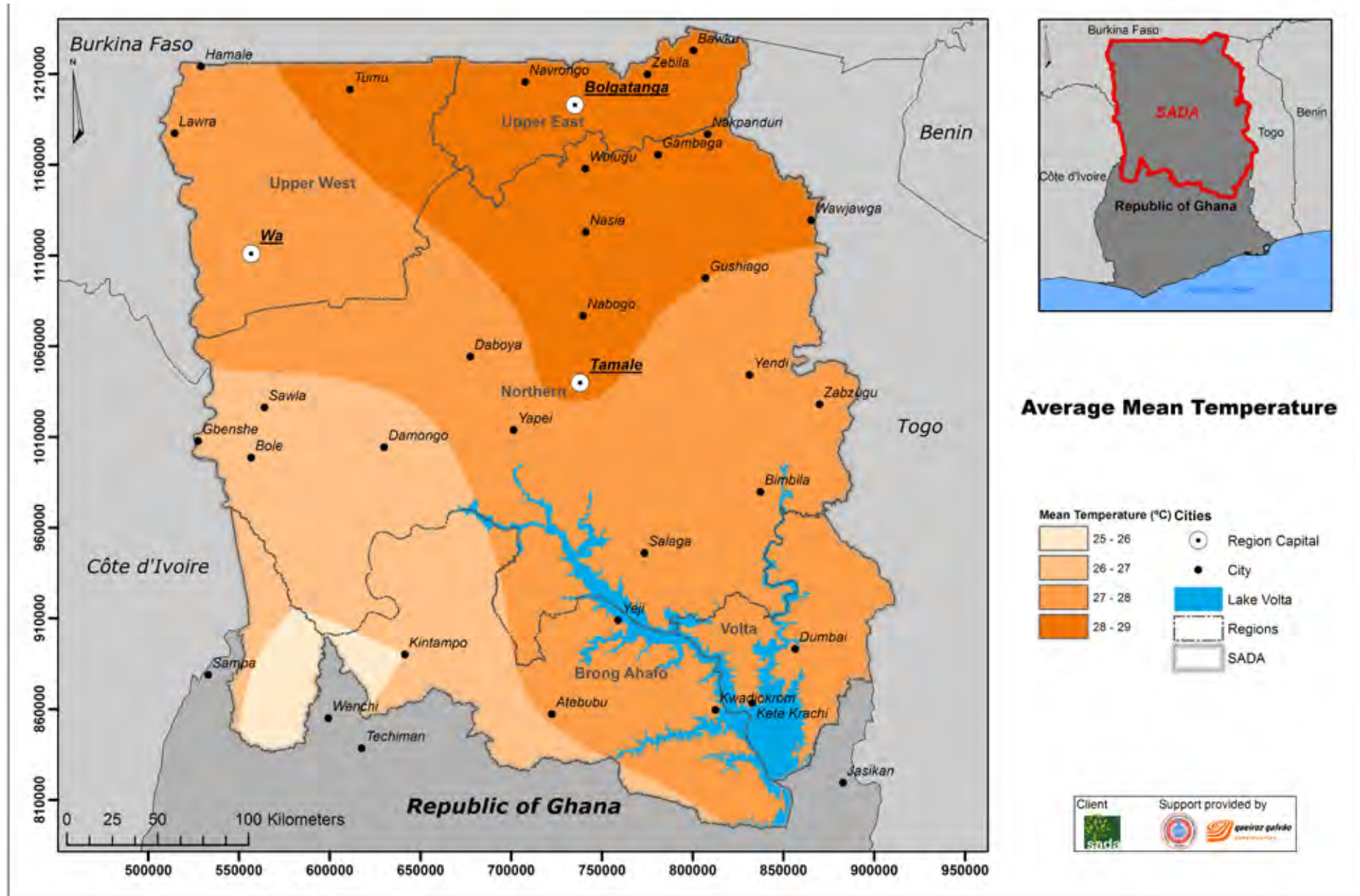
- Weather Stations
- Lake Volta
- Regions
- SADA

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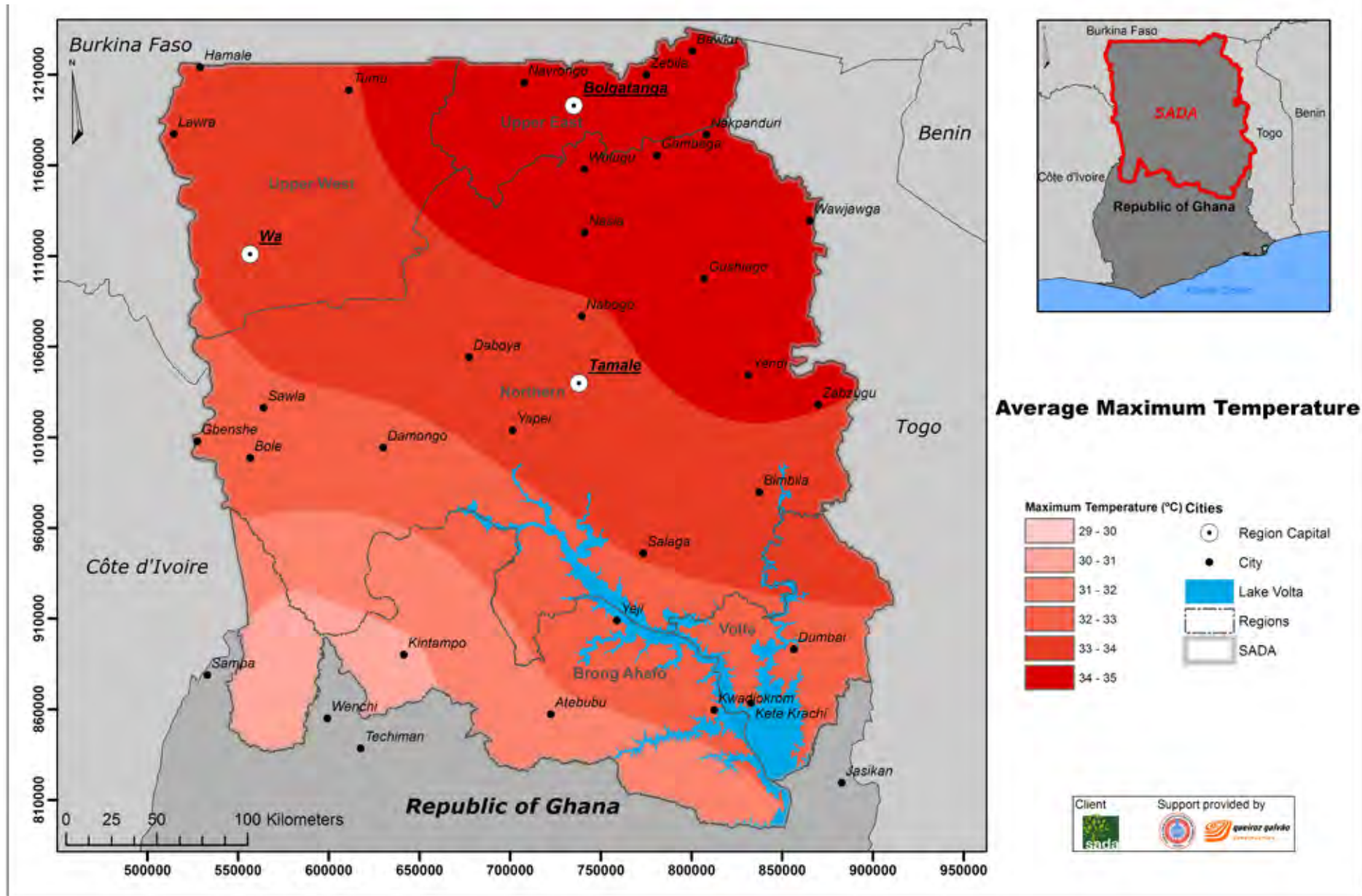
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

AVERAGE MEAN TEMPERATURE



RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

AVERAGE MAXIMUM TEMPERATURE

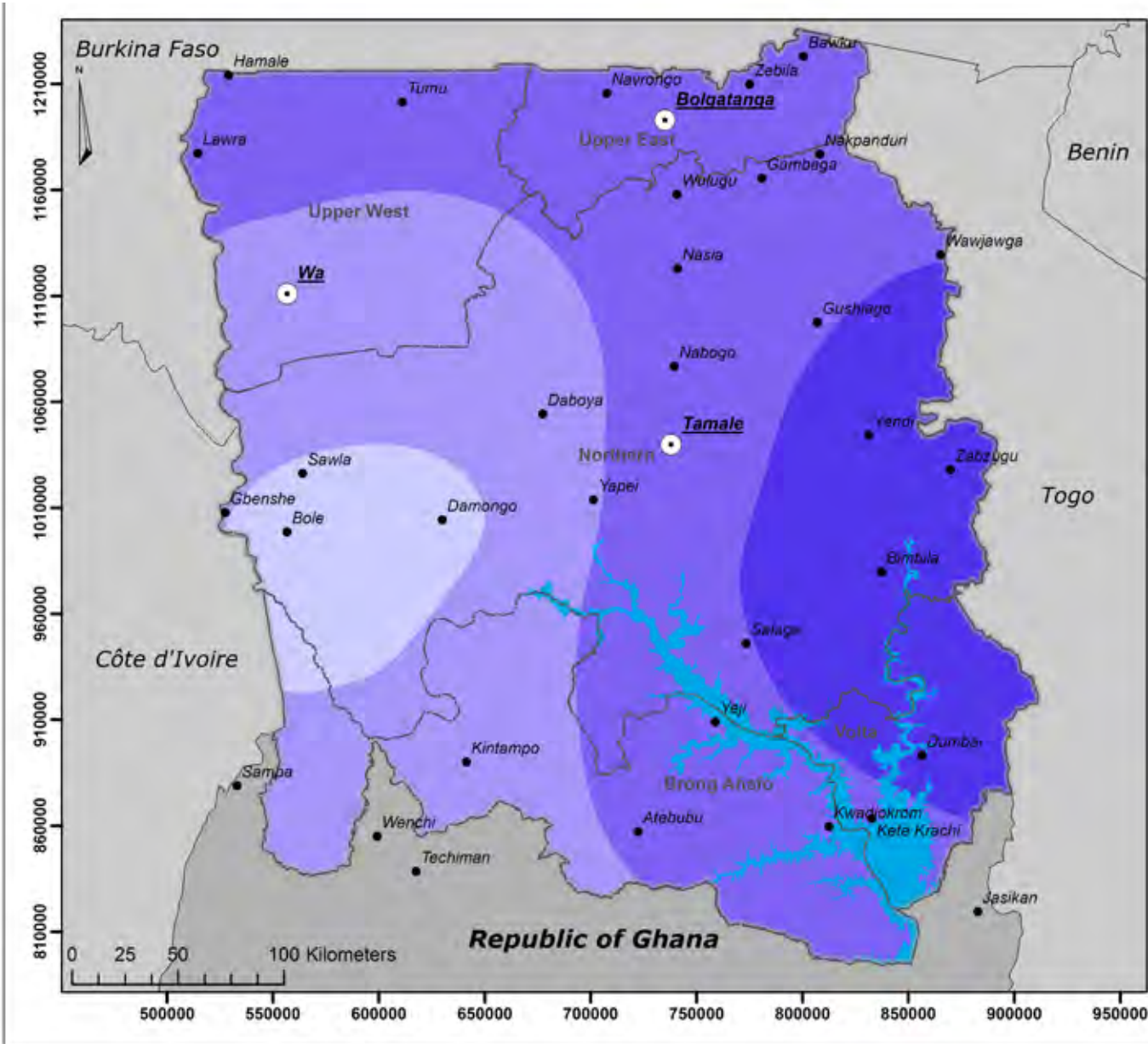


RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

AVERAGE MINIMUM TEMPERATURE

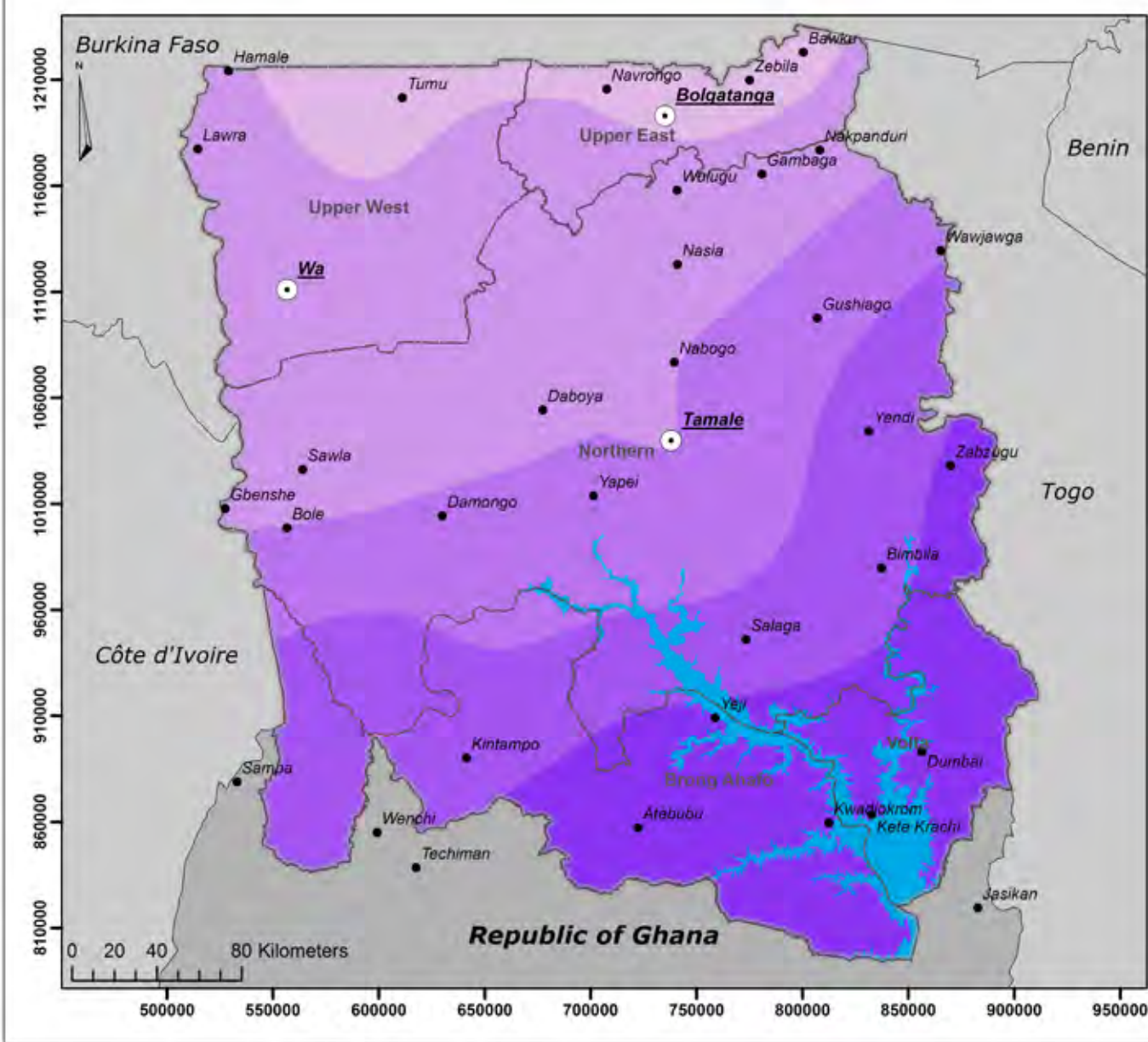


Average Minimum Temperature

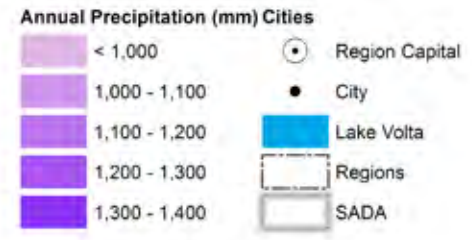


RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

ANNUAL PRECIPITATION



Annual Precipitation

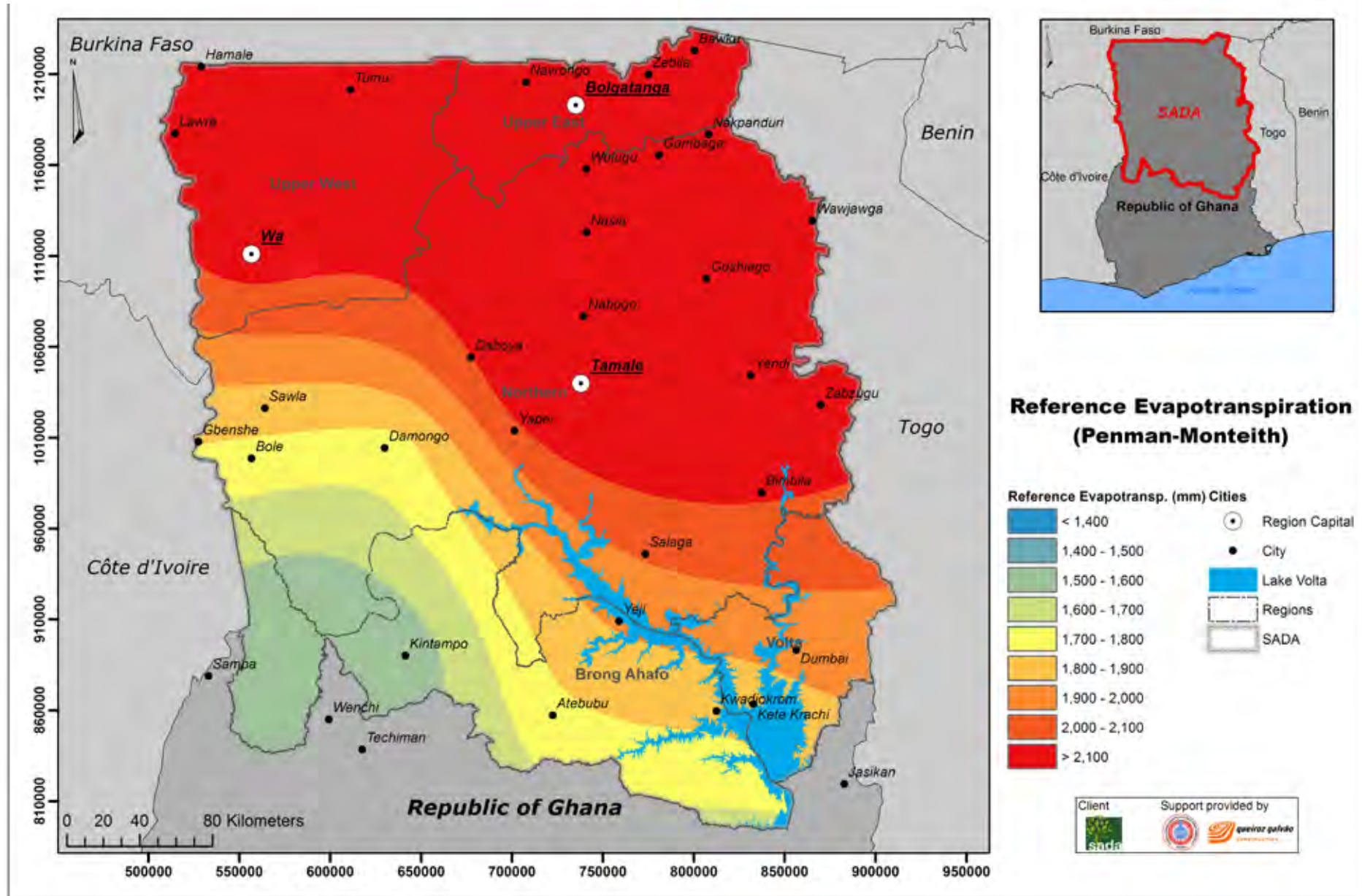


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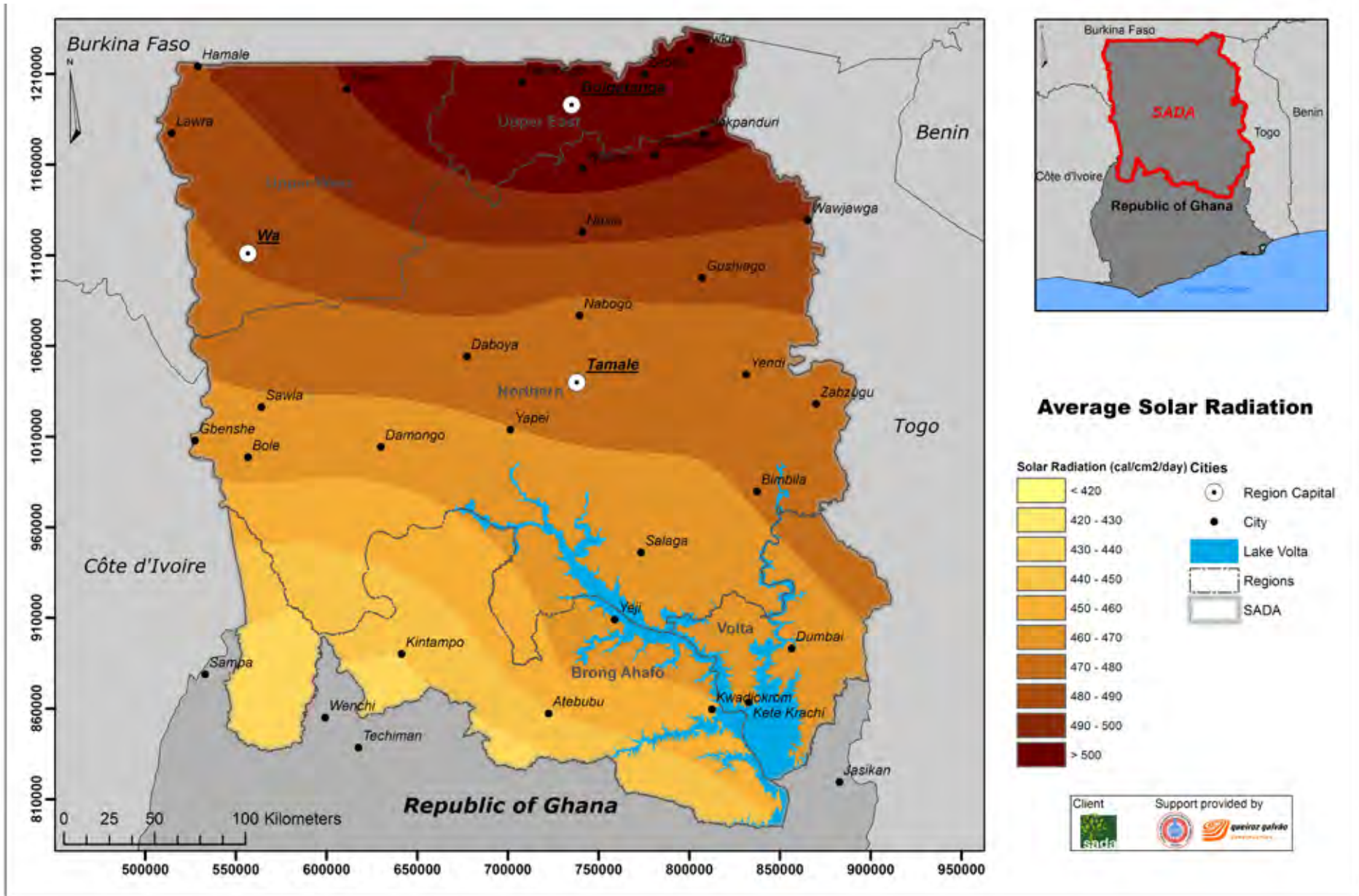
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

REFERENCE EVAPOTRANSPIRATION

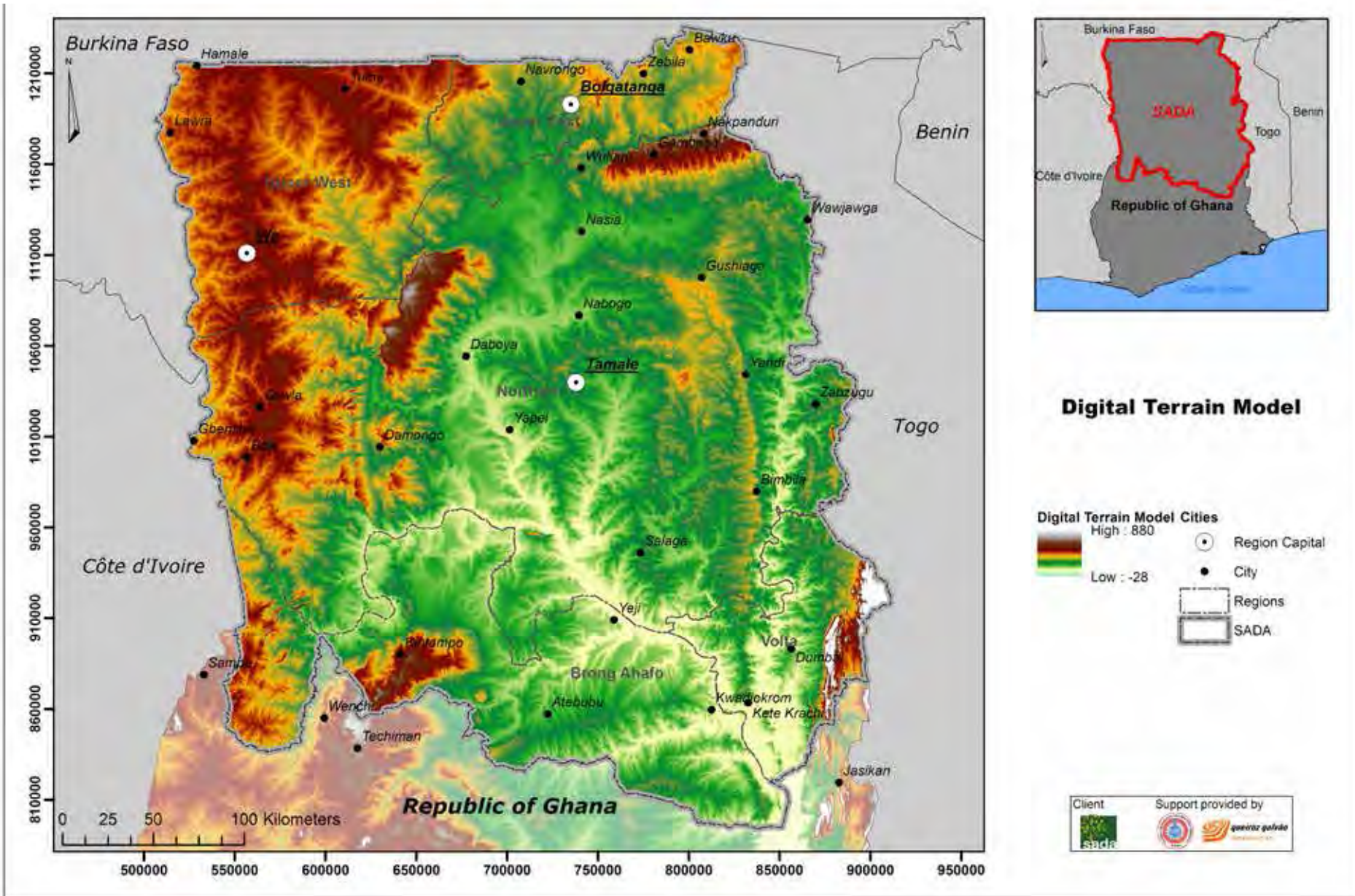


RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

AVERAGE SOLAR RADIATION

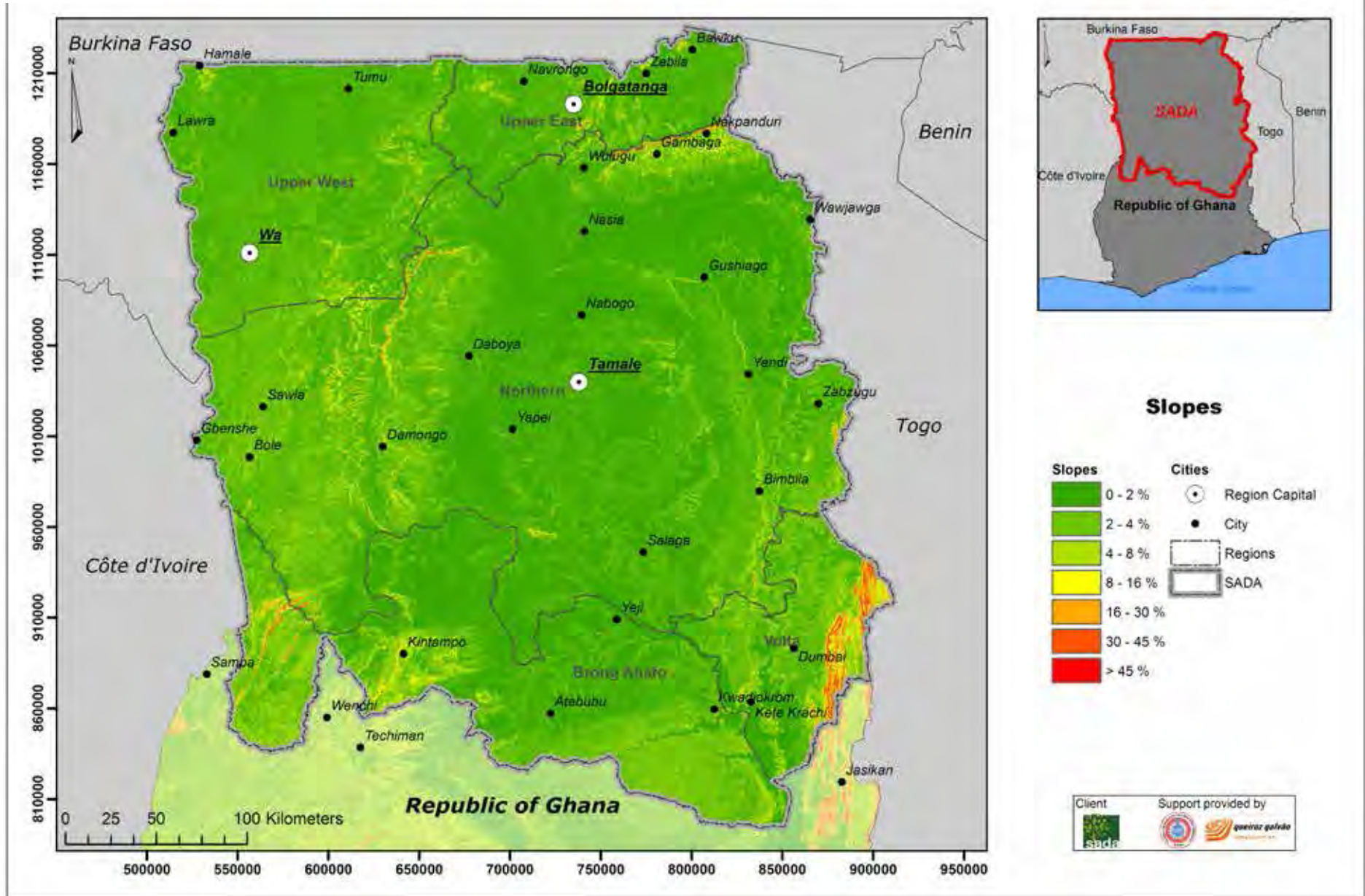


RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

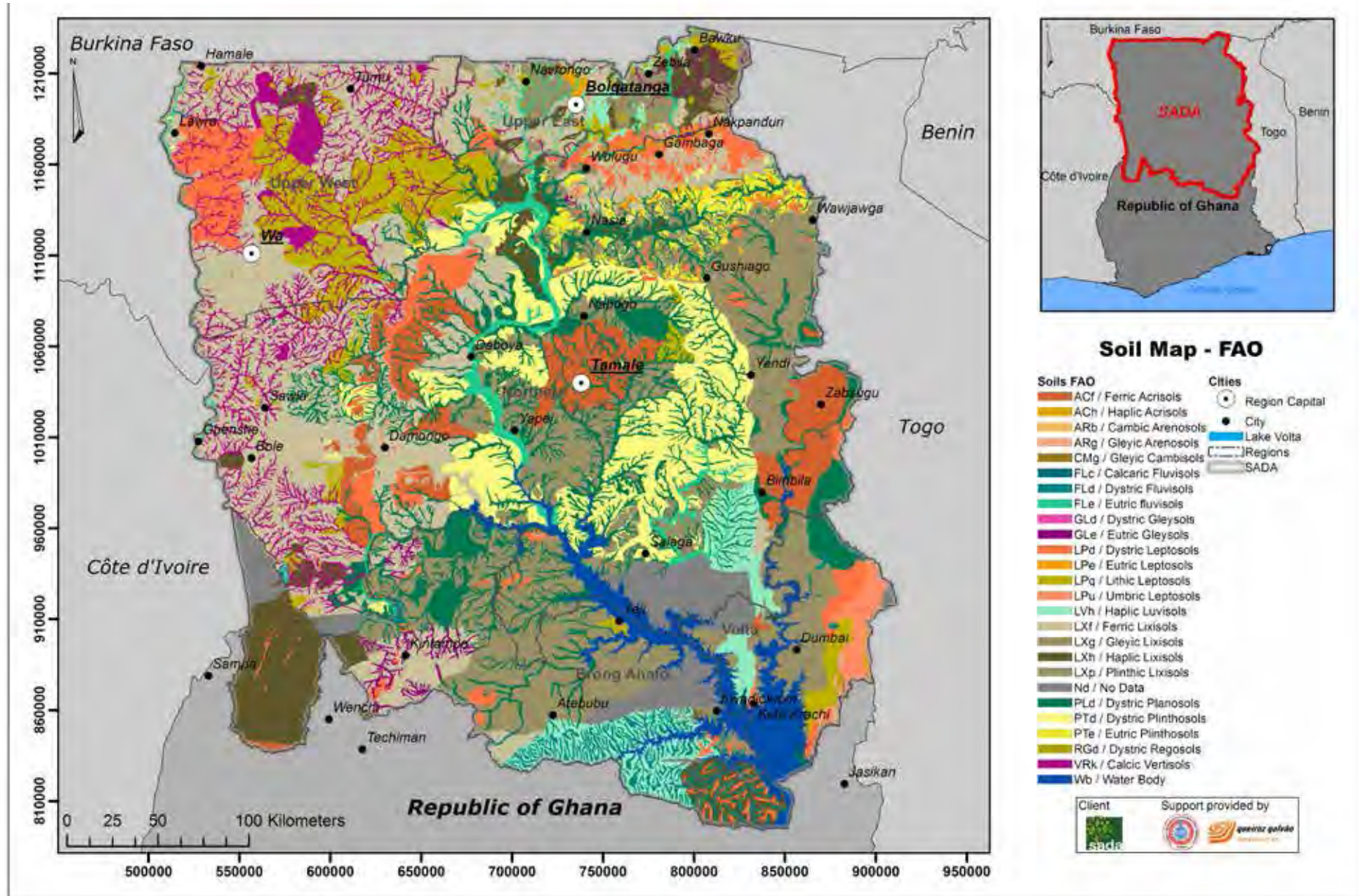


RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

SLOPES

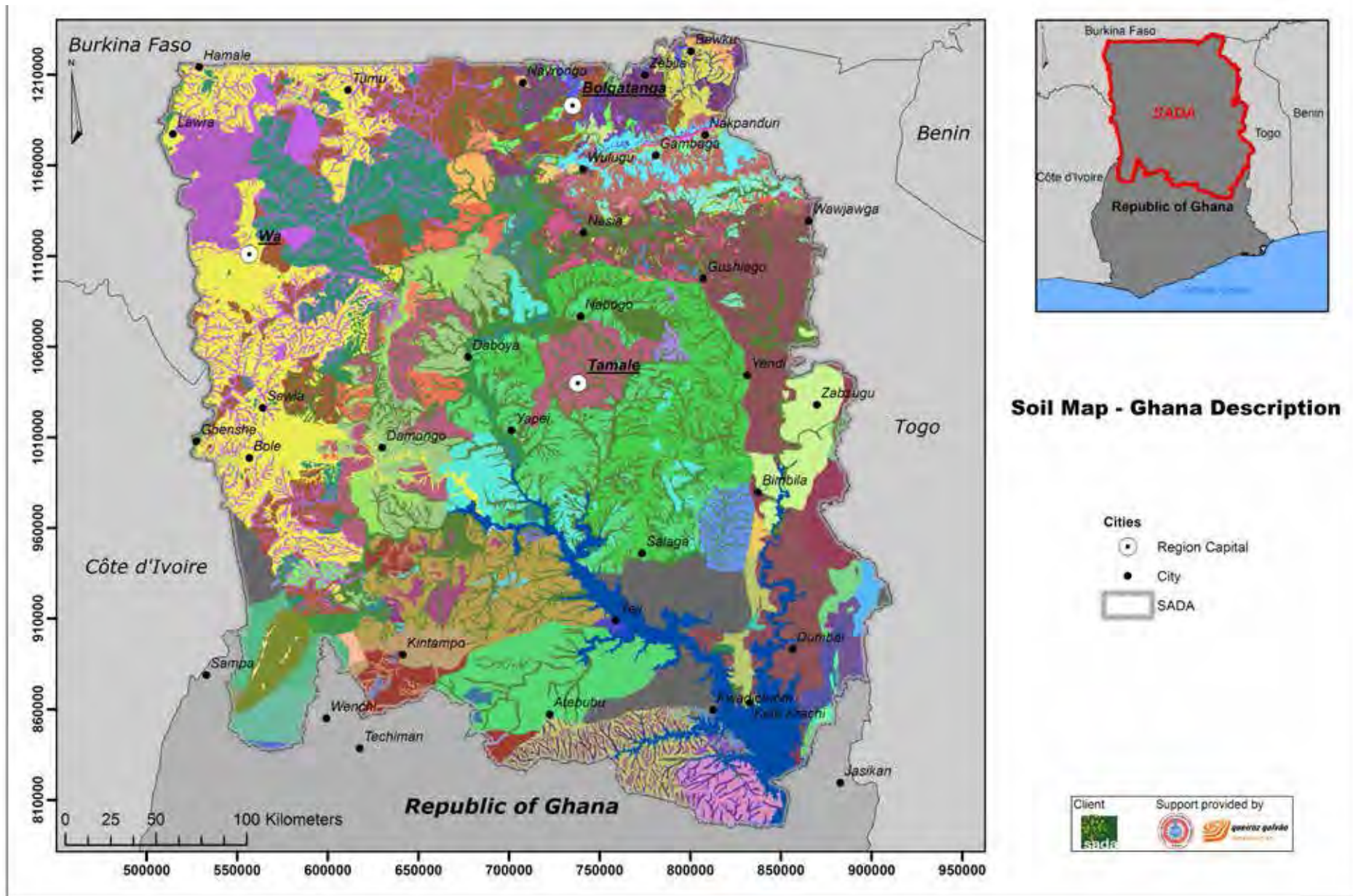


RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE






































RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

SOIL MAP - GHANA DESCRIPTION



Soils Ghana Association

SOIL NAME / FAO ASSOC

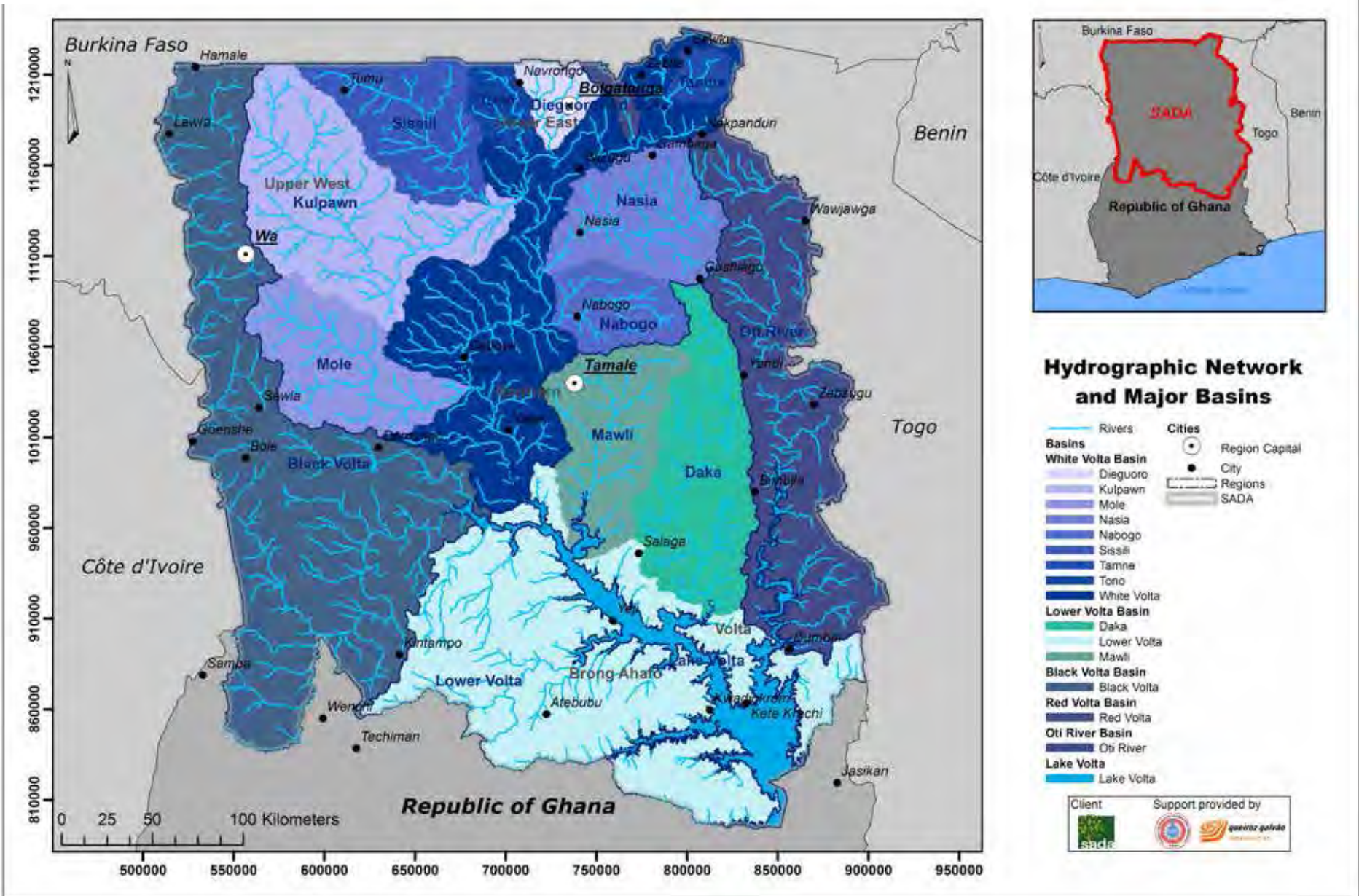
	Adankpa / FLc-1
	Adomi / LPd-1
	Adomi kpeyi / LPd-3
	Amo-chidhwera/dayi-angela / CMg-1
	Banda (hill) / LPd-5
	Banda / LXh-2
	Bediesi-sutawa / LXh-3
	Bediesi-sutawa/bejua / LXh-4
	Bejua pakpe / GLd-1
	Beronyasi-kupela / GLc-1
	Bianya / LXh-6
	Bimbila / LVh-1
	Blengo-botoku/kudzra-odo / PLd-1
	Bombi-yaroyin / GLc-2
	Bongo / LPe-3
	Changnalli / PTg-1
	Changnalli-lima-kpelesawgu / PTg-2
	Chereponi / LPq-1
	Chuchuliga / LPq-2
	Dadiakra-lima / LVc-1
	Dagare / FLe-1
	Dagare-kunkwa / FLe-2
	Damongo-murugu / LXf-3
	Damongo-murugu-techiman / LXf-4
	Damongo-murugu/tanoso / LXf-6
	Damongo-techiman/ejura-sene / LVx-5
	Debibi / LXh-7
	Dentaso-sene / FLd-6
	Domanbin-dentaso / LPq-3
	Doman-pu / LXf-7
	Drobo / LXh-8
	Dumboli / LXh-9
	Ejura-amanbin/dentaso / LVx-3
	Farmang / LXh-10
	Fete-salom / LPU-3

	Fete-salom/abotakyi-kitasi / LPU-4
	Gushiegu-kasele / LPq-4
	Jagogo / LPe-4
	Kagu / LPq-5
	Ketre-sangebi/banda-choiso / ARq-6
	Kintampo-1 / LPd-8
	Kintampo-mimi / LPd-11
	Klopu / LPd-12
	Kolingi / LXf-8
	Kowani-kasefe/kpelesawgu / LPd-15
	Kowani-santaboma/dentaso-sene / LXh-11
	Kowani-santaboma/kete-krachi / LPd-16
	Kowani-techiman-santaboma/bediesi / LPd-17
	Kpea / LPq-7
	Kpelesawgu / LXp-1
	Kpelesawgu-changnalli / LXp-2
	Kpelesawgu-changnalli-kungawni / LXp-3
	Kpelesawgu-kumayili-wenchi / LXp-6
	Kunkwa / ARb-2
	Lapliki / LXh-12
	Lima / PLd-3
	Lima-volta / PLd-4
	Lumo / PTc-2
	Mimi / LXf-9
	Mimi-techiman / LXf-10
	Mogo / LPq-8
	Murugu-kintampo / LPd-18
	Nalorigu-kintampo / PTd-1
	Nambani / LXg-1
	Nangodi / LVh-6
	Nterso-zaw / FLd-8
	Nwasa / LXh-13
	Nyankpala / ACf-29
	Nzima-bekwa/odo / ACf-35
	Osumbi-didinla / LPd-21

	Oyanifa-krabo / ACh-3
	Pani-kupela / VRk-5
	Peg-agu / RGd-1
	Pigu / LPd-22
	Pigu-kpelesawgu / LPd-23
	Pumpu / PTc-3
	Pusiga / LPq-10
	Salom-mate/banda-choiso / LPU-6
	Sambu-pasga / PTd-3
	Sampa / LXh-14
	Sanda / LXg-3
	Sene / FLd-9
	Siara-dagare / FLe-3
	Siara-lapliki / FLe-4
	Siara-pani / FLe-5
	Sirru / PTd-4
	Somusie-dentaso / LXh-15
	Tanchera / LXg-4
	Tanins / LXf-13
	Tanoso / GLc-5
	Techiman / ACf-39
	Techiman-tampu / ACf-40
	Tongo / LPq-11
	Varempere-tafali / LXh-16
	Walawala / LPe-8
	Wenchi (boval) / LPq-12
	Wenchi / LPd-24
	Wenchi-hilun / LPd-25
	Wenchi-kintampo / LPd-28
	Wenchi-kumayili / LPd-27
	Wenchi-lumo / LPd-29
	Wenchi-sambu / LPd-30
	Wenchi-techiman / LPd-31
	Yagha / LPq-13
	Volta Lake
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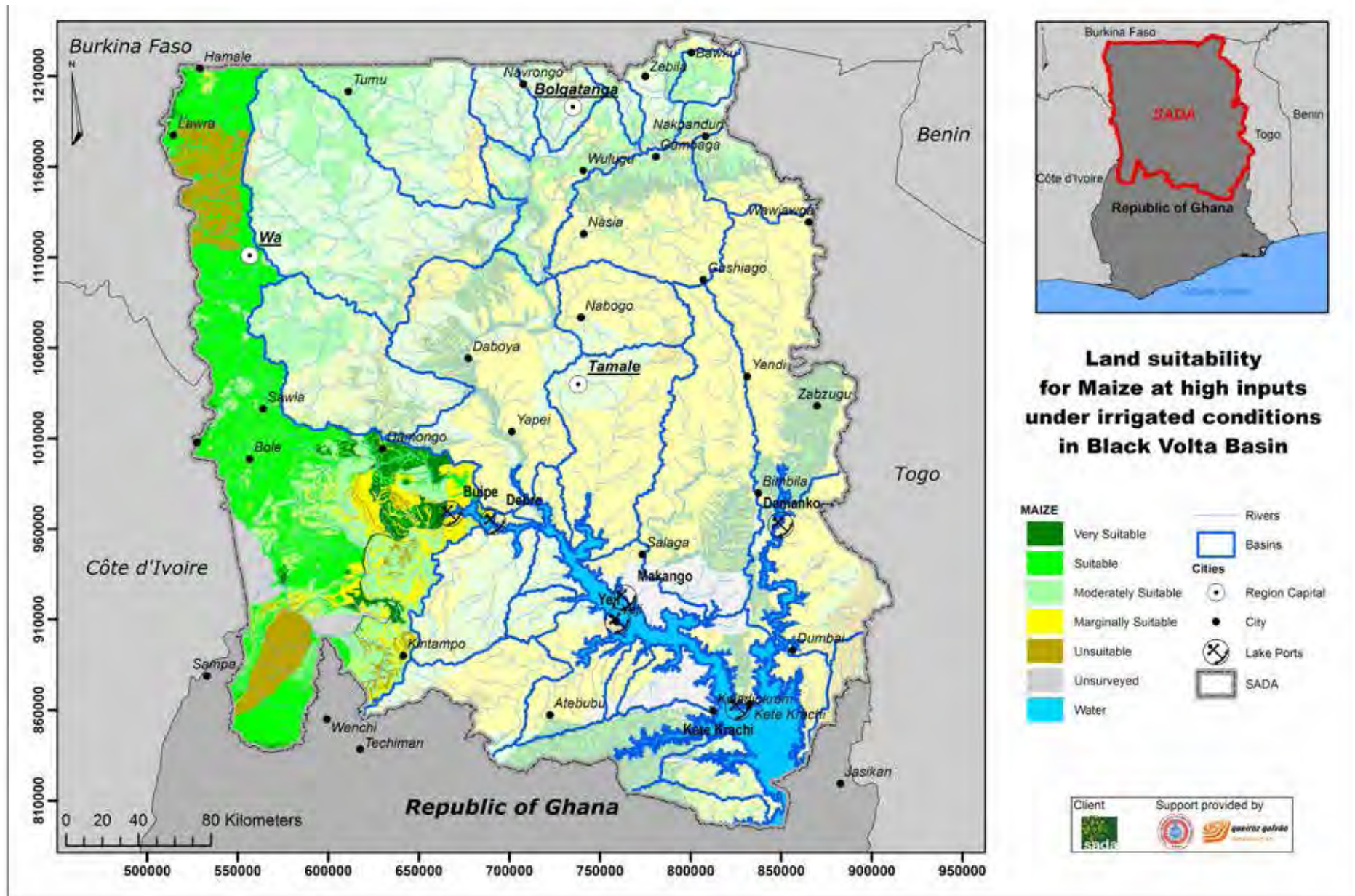
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

HYDROGRAPHIC NETWORK AND MAJOR BASINS



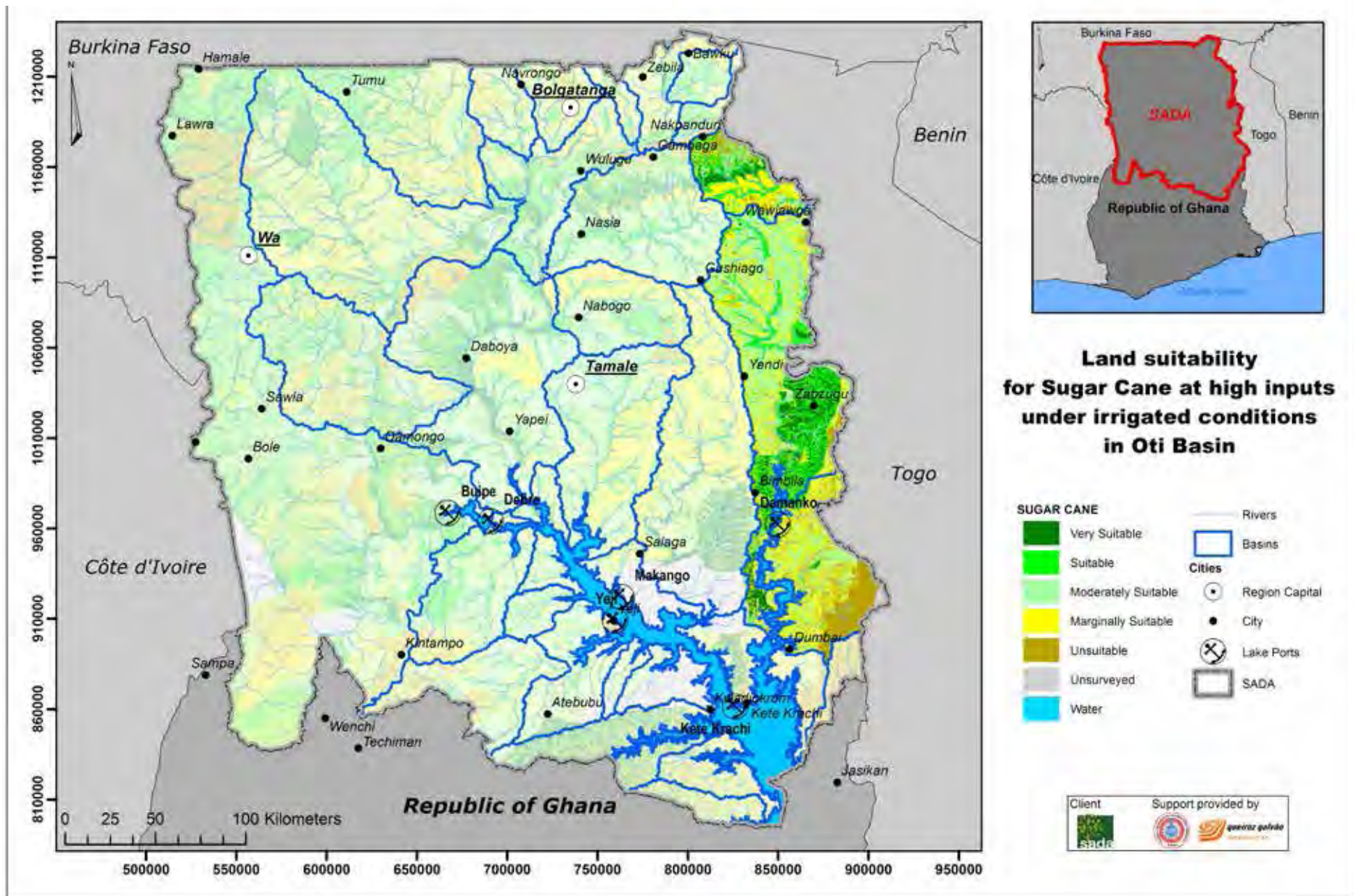
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABILITY FOR MAIZE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS IN BLACK VOLTA BASIN



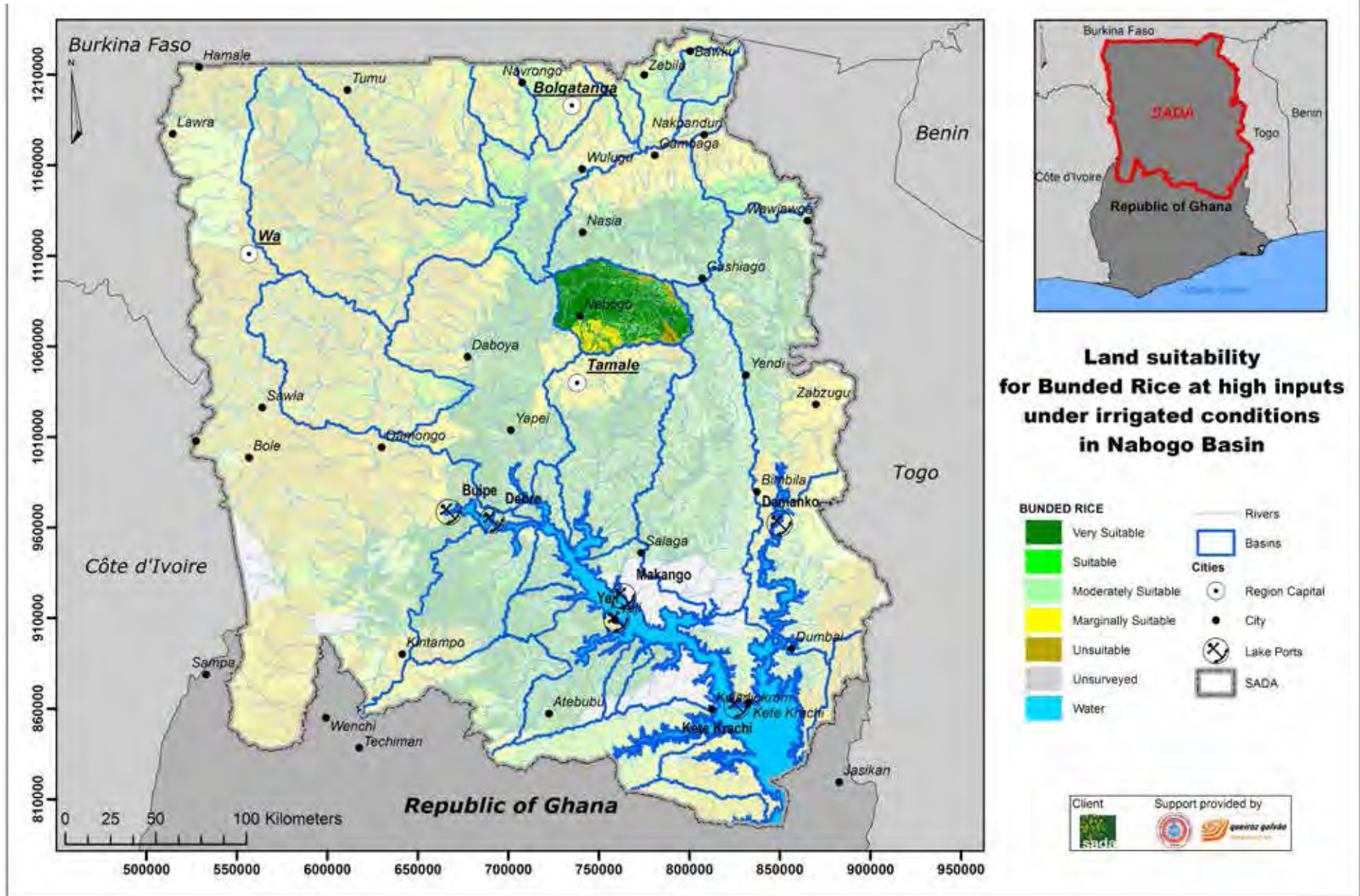
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABILITY FOR SUGAR CANE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS IN OTI BASIN



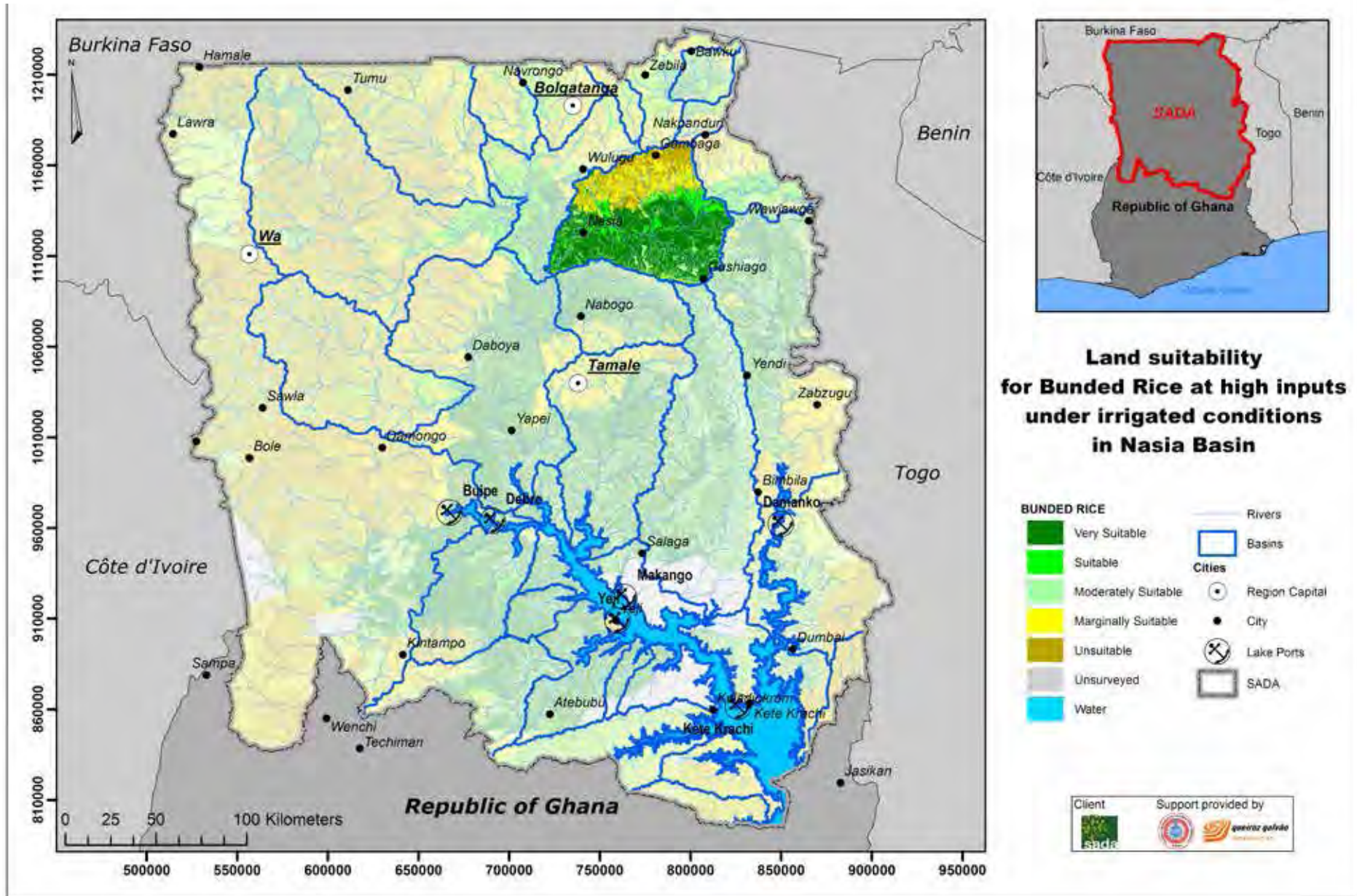
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABILITY FOR BUNDED RICE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS IN NABOGO BASIN



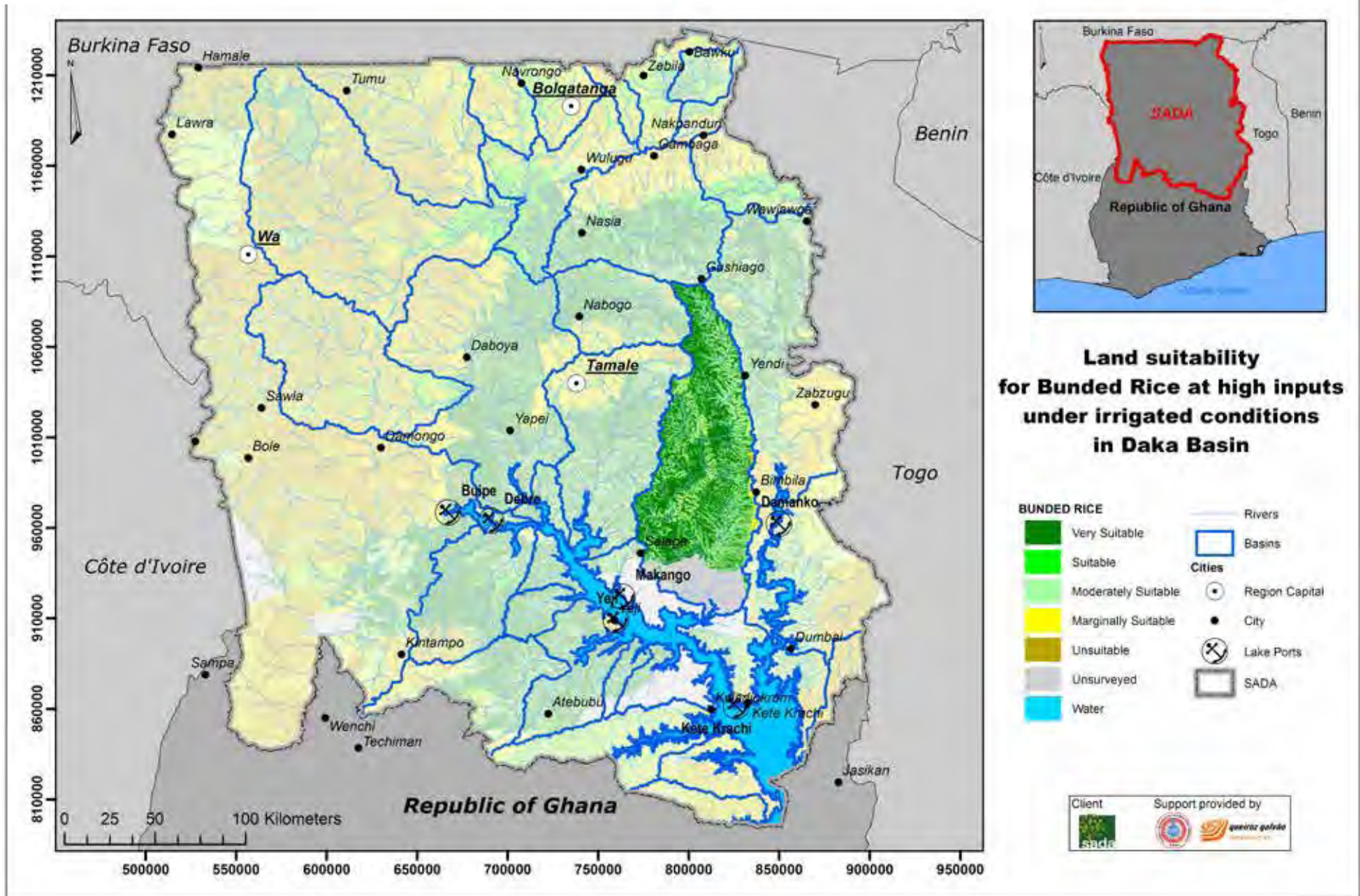
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABILITY FOR BUNDED RICE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS IN NASIA BASIN



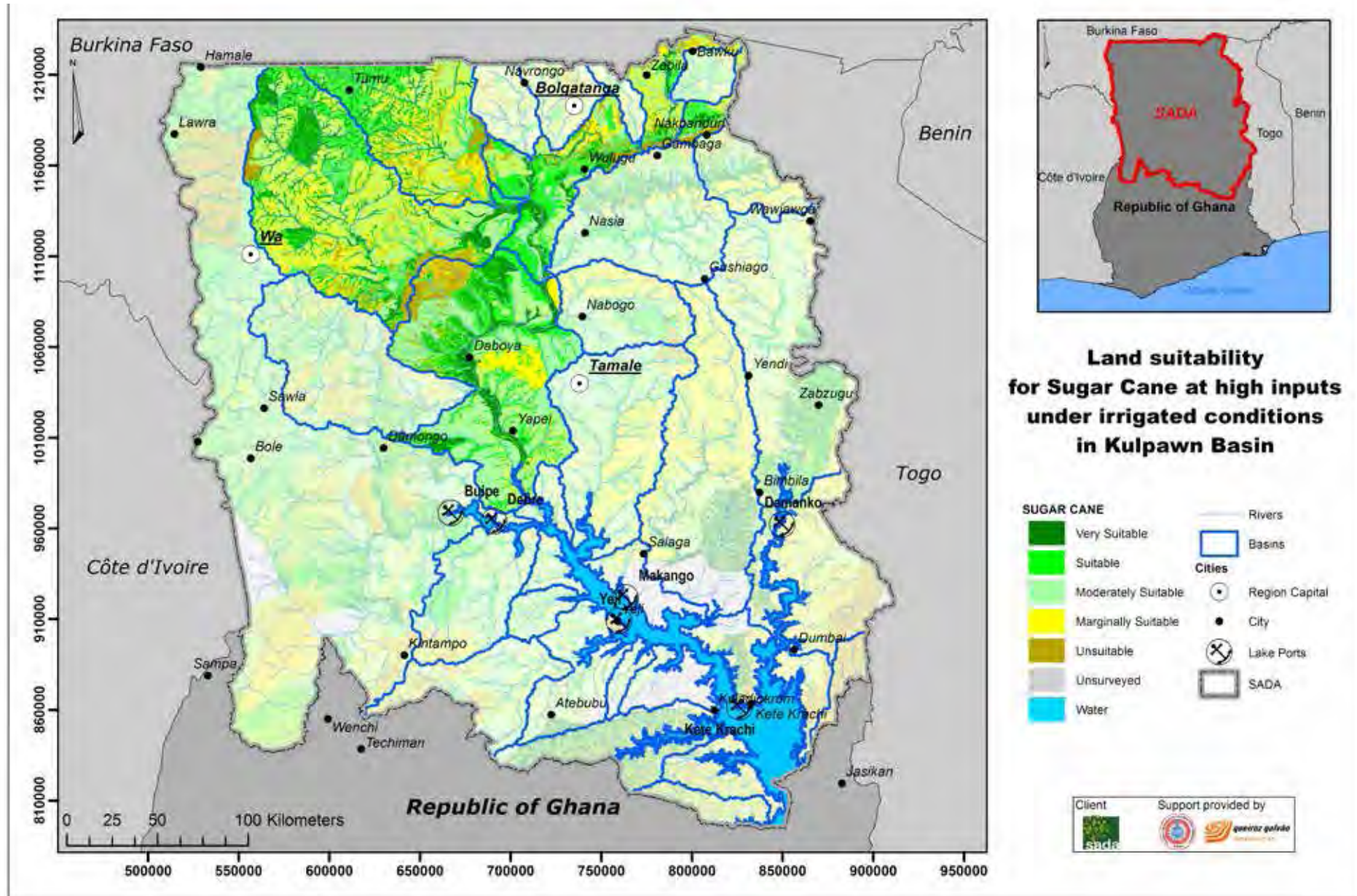
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABILITY FOR BUNDED RICE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS IN DAKA BASIN



RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABILITY FOR SUGAR CANE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS IN KULPAWN BASIN

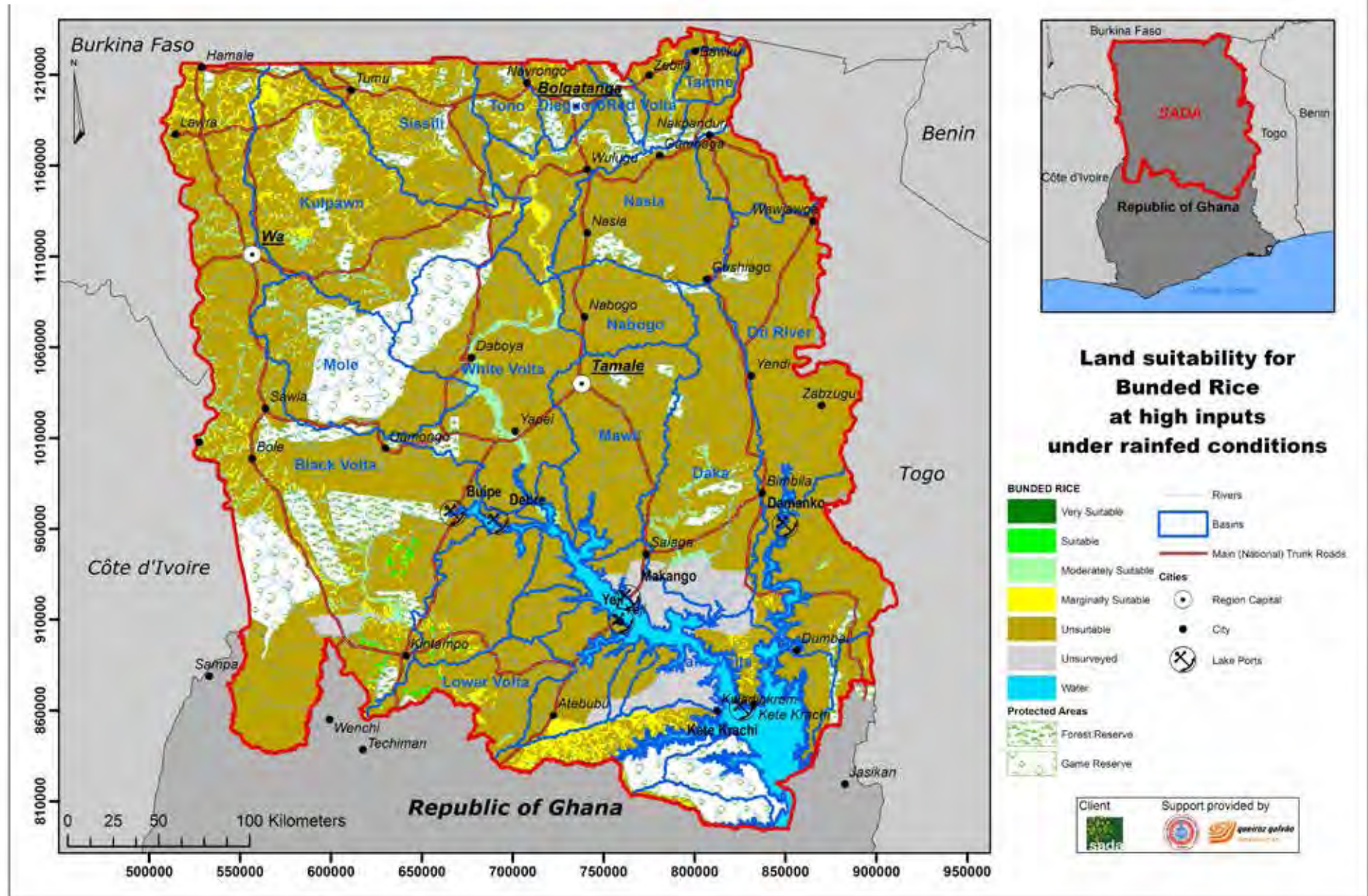




AGRICULTURE POTENTIAL IN THE SADA ZONE

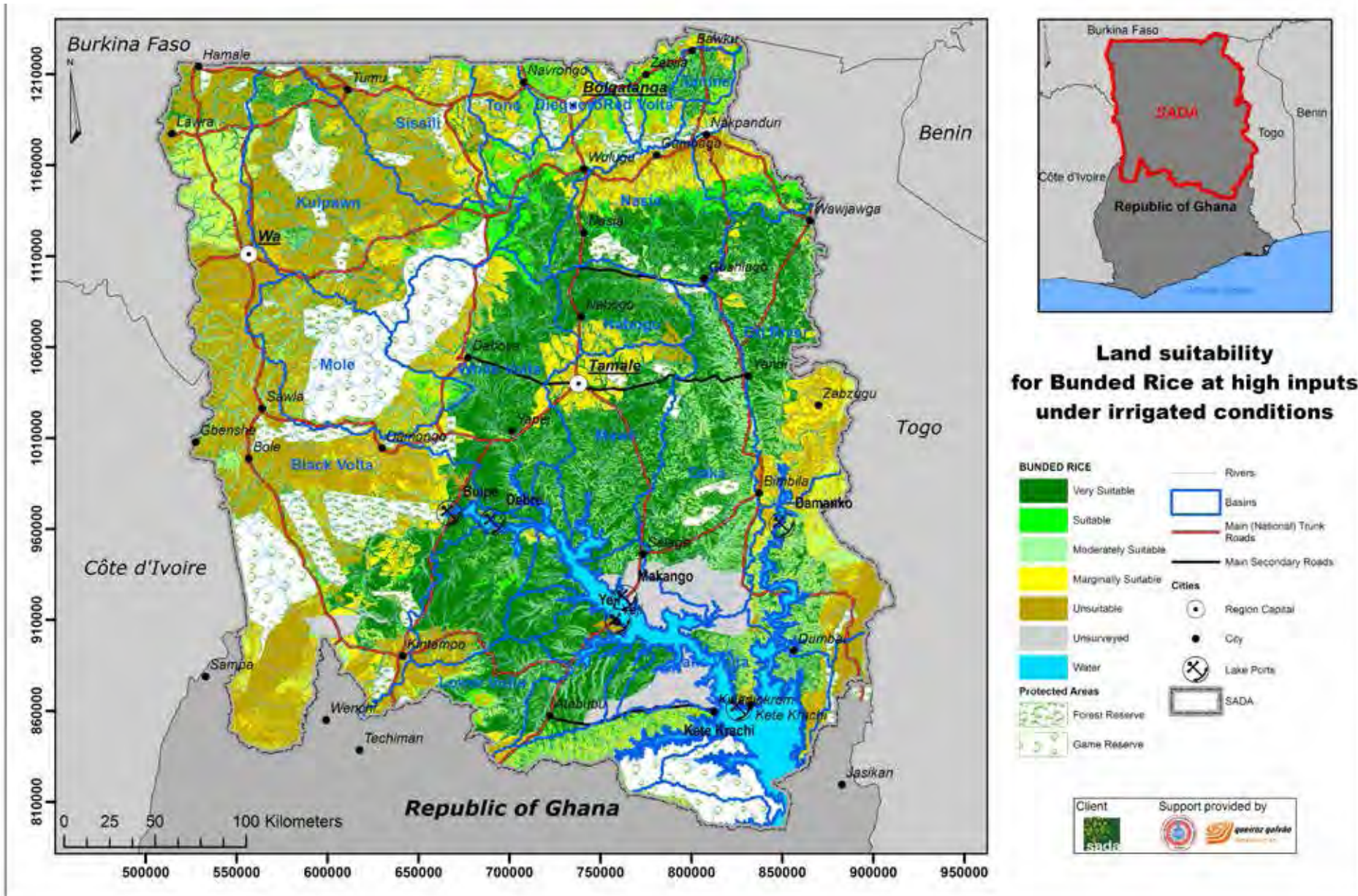
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR BONDED RICE AT HIGH INPUTS UNDER RAINFED CONDITIONS



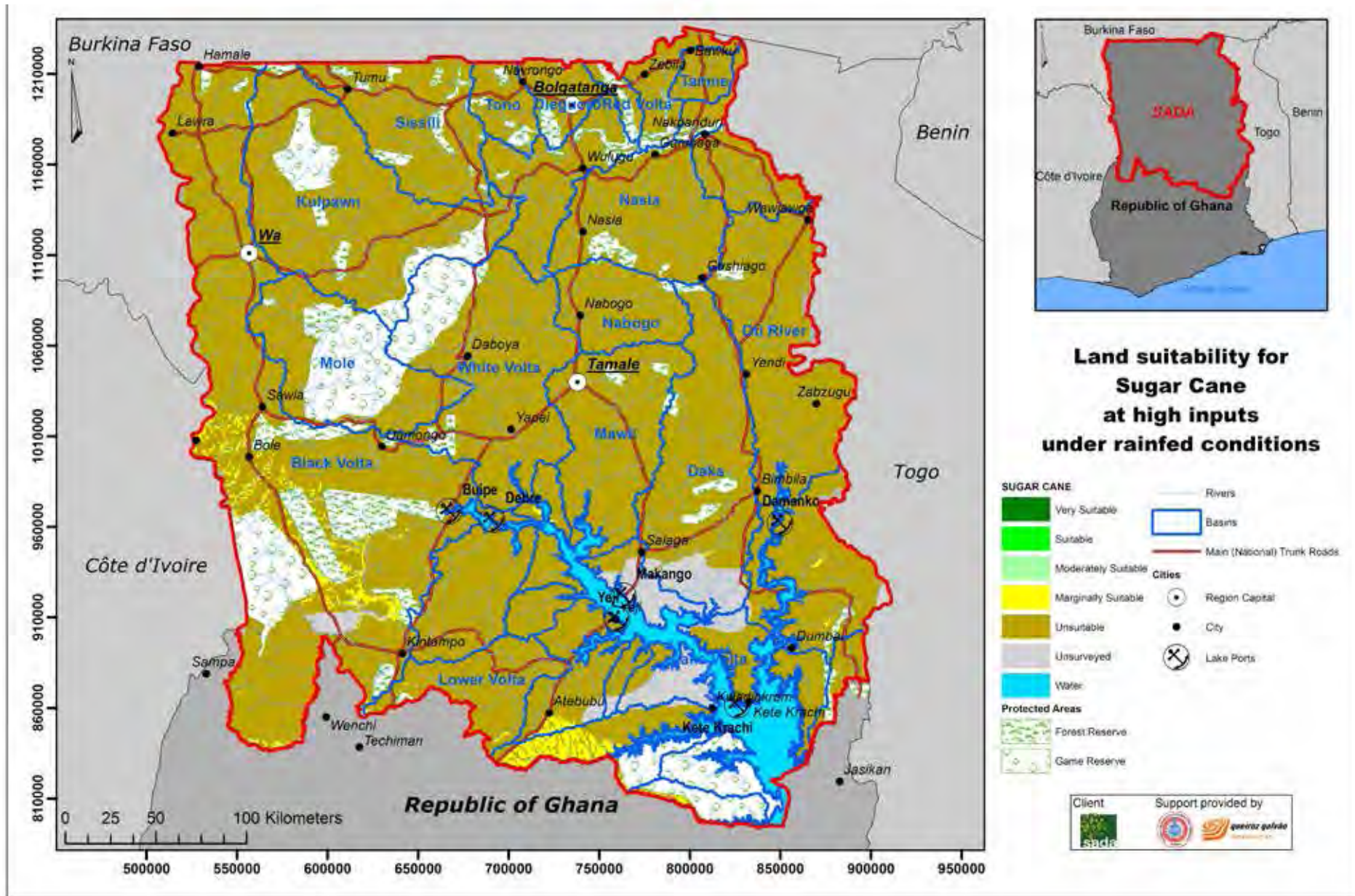
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR BUNDED RICE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



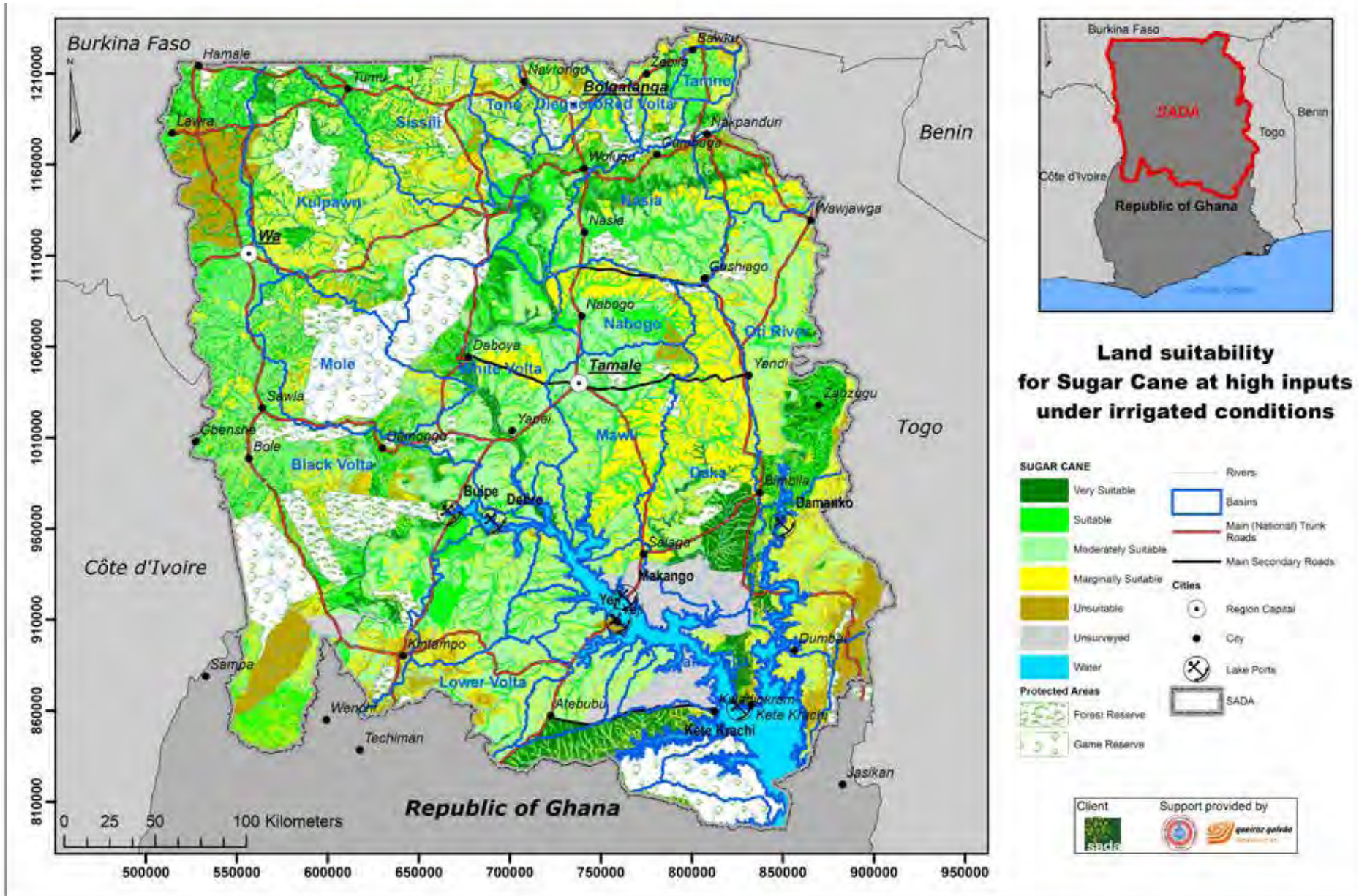
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SUGAR CANE AT HIGH INPUTS UNDER RAINFED CONDITIONS (WITH SUPPLEMENTARY IRRIGATION)



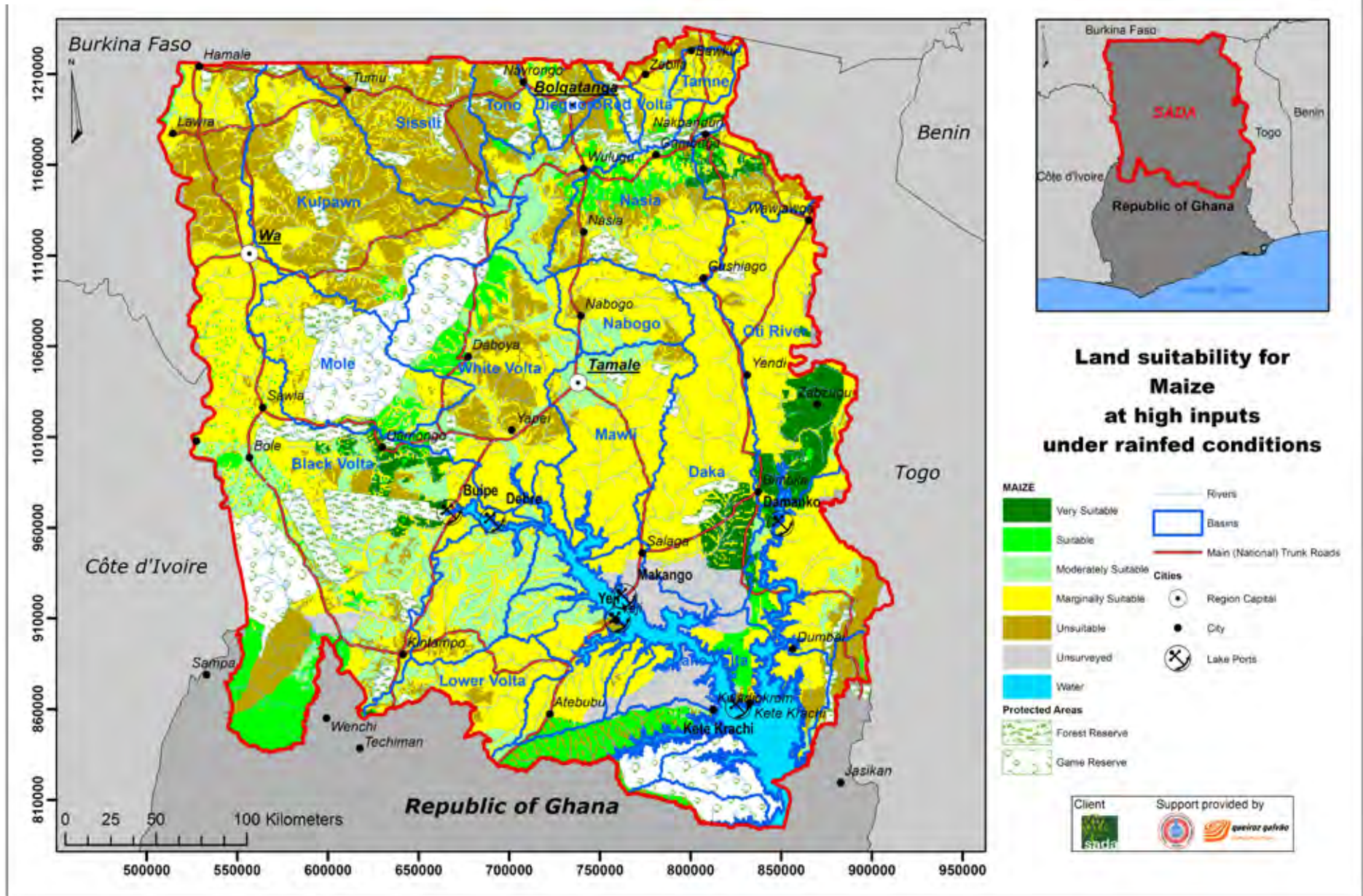
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SUGAR CANE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



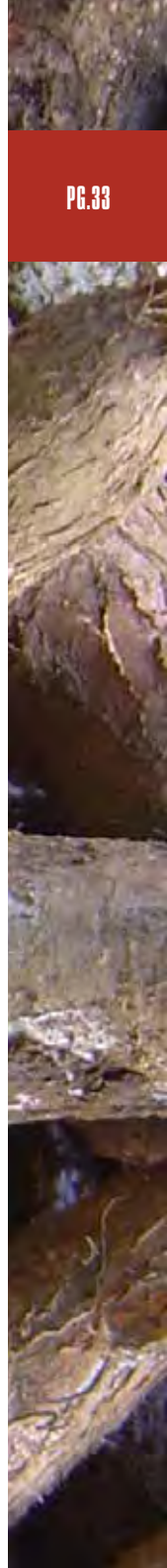
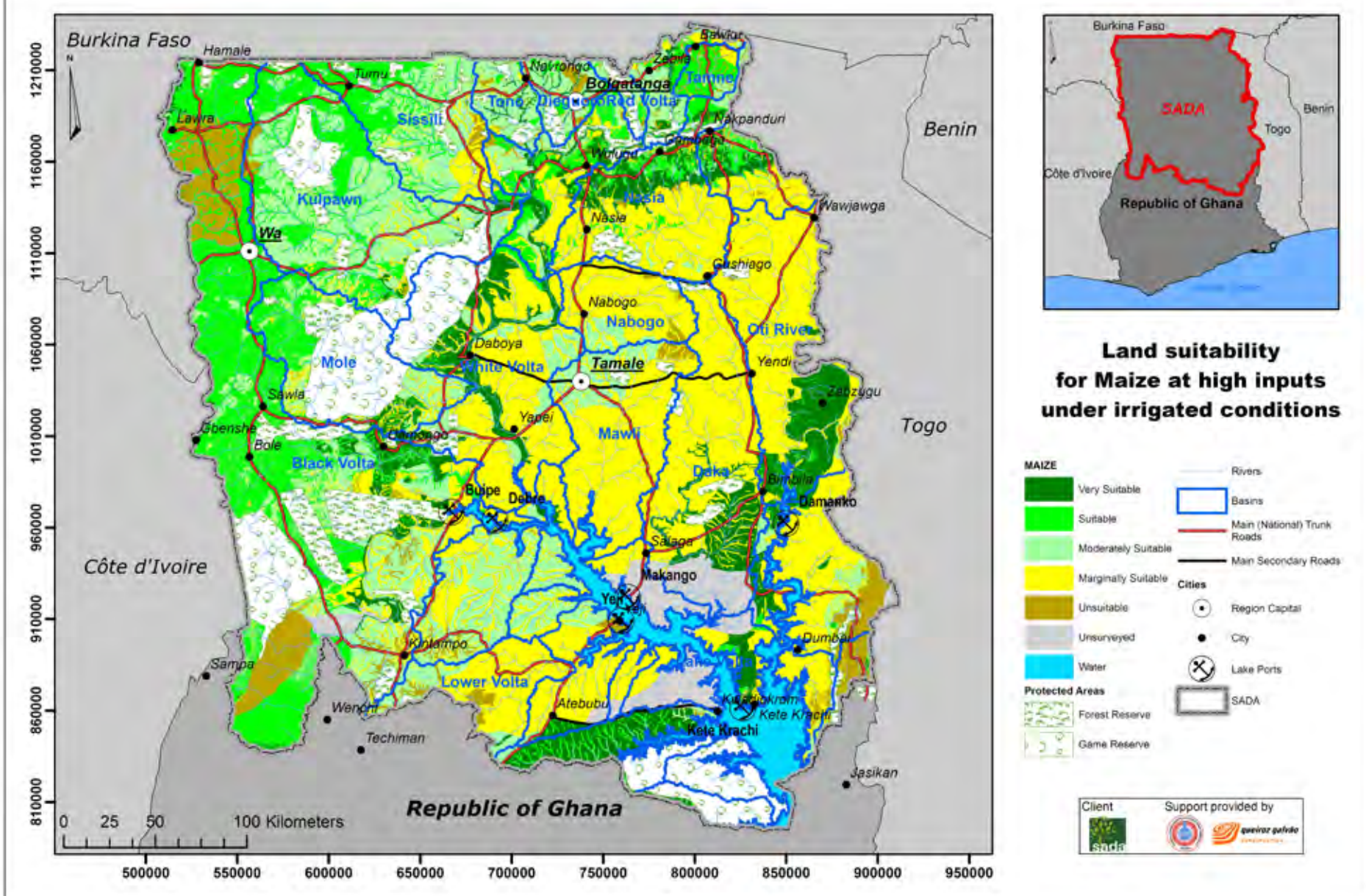
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR MAIZE AT HIGH INPUTS UNDER RAINFED CONDITIONS



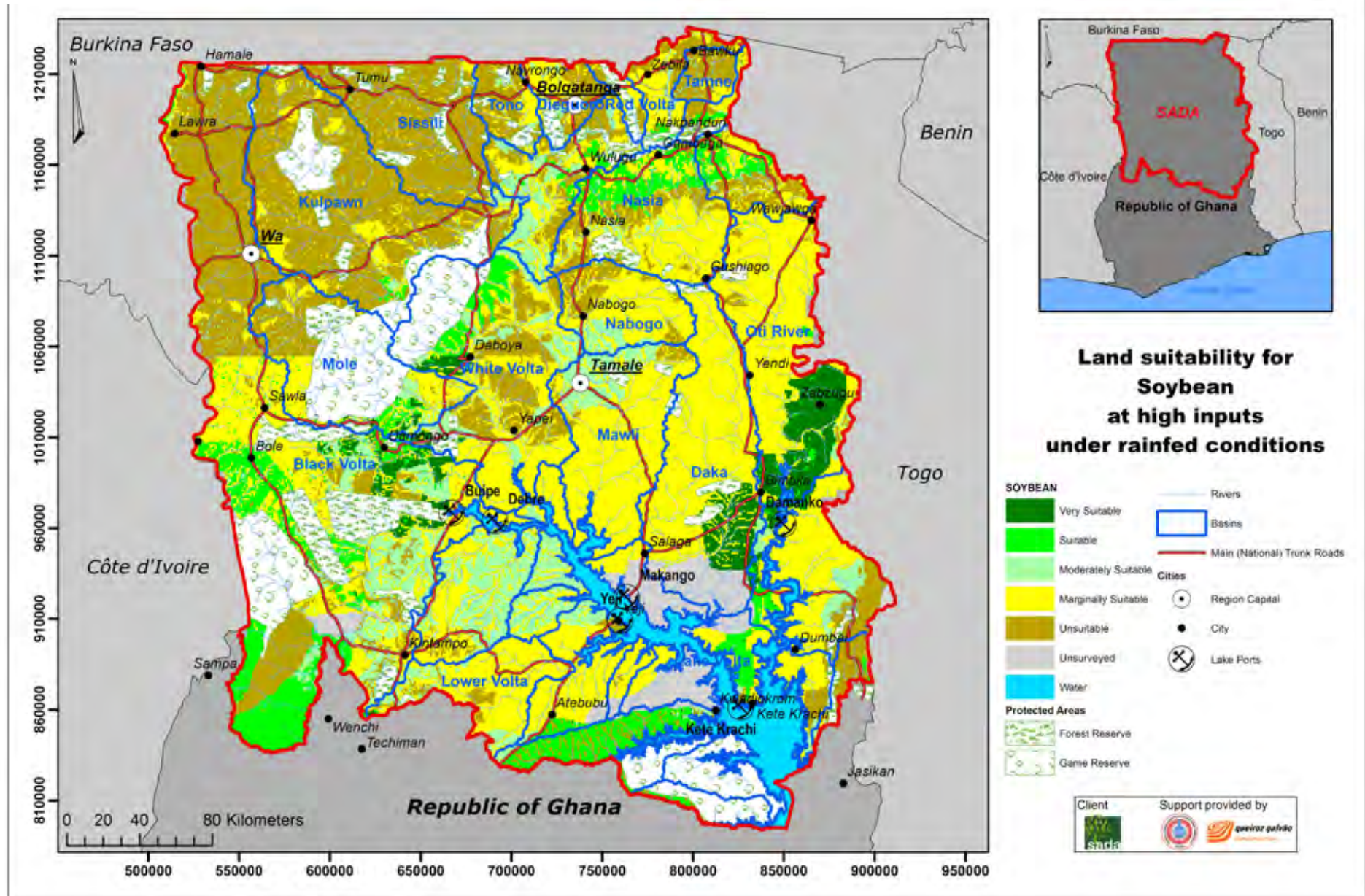
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR MAIZE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



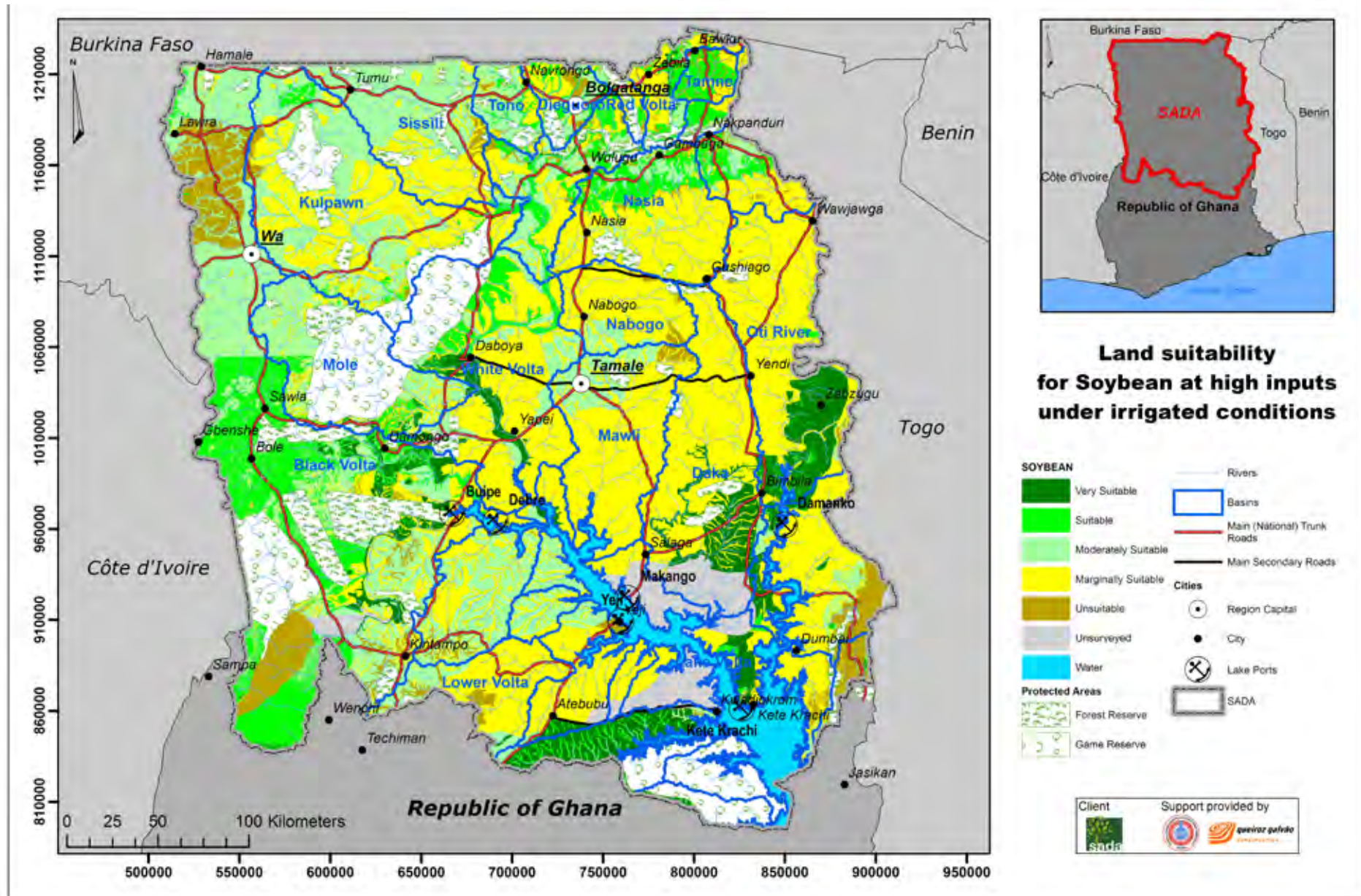
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SOYBEAN AT HIGH INPUTS UNDER RAINFED CONDITIONS



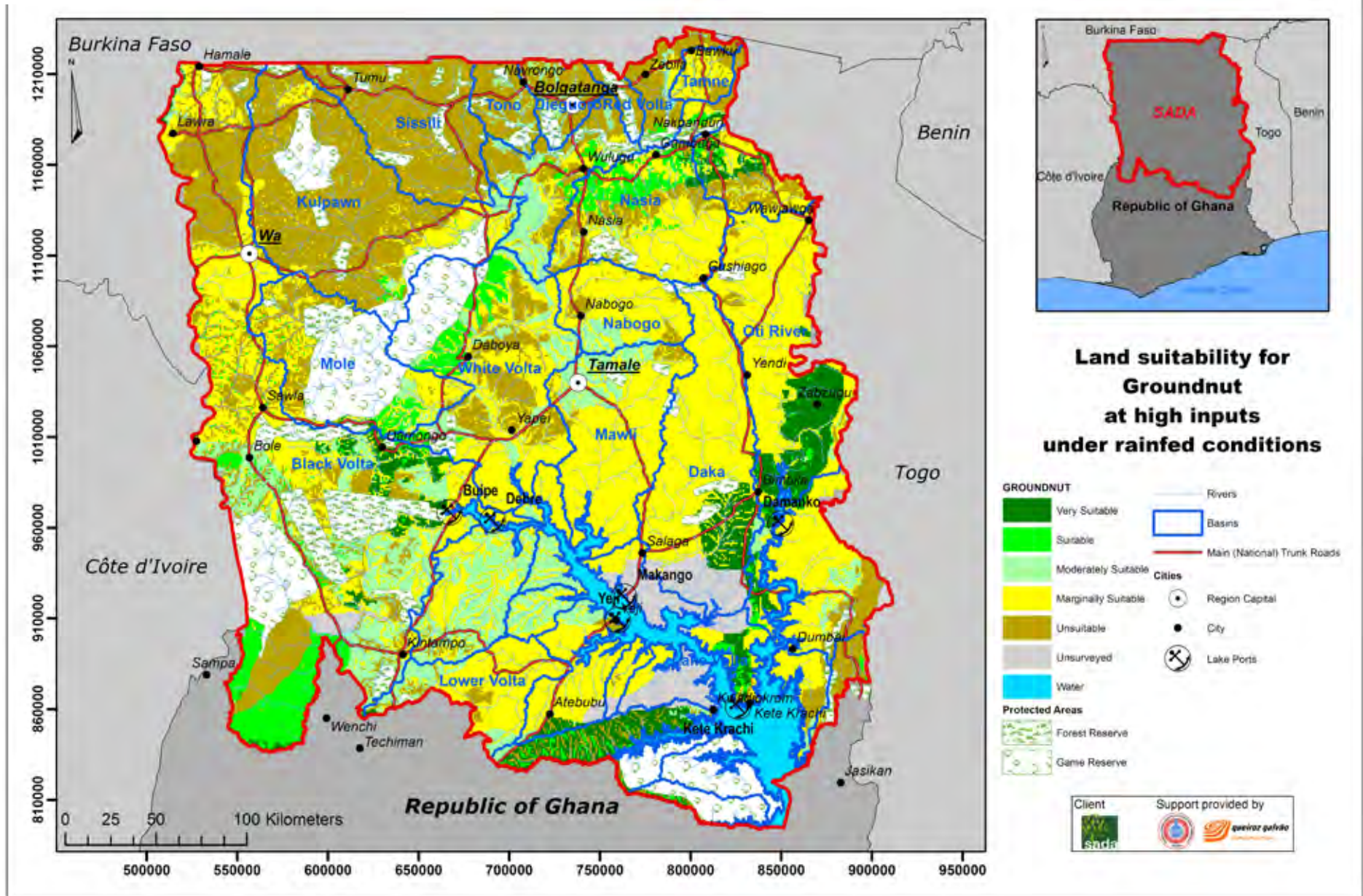
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SOYBEAN AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



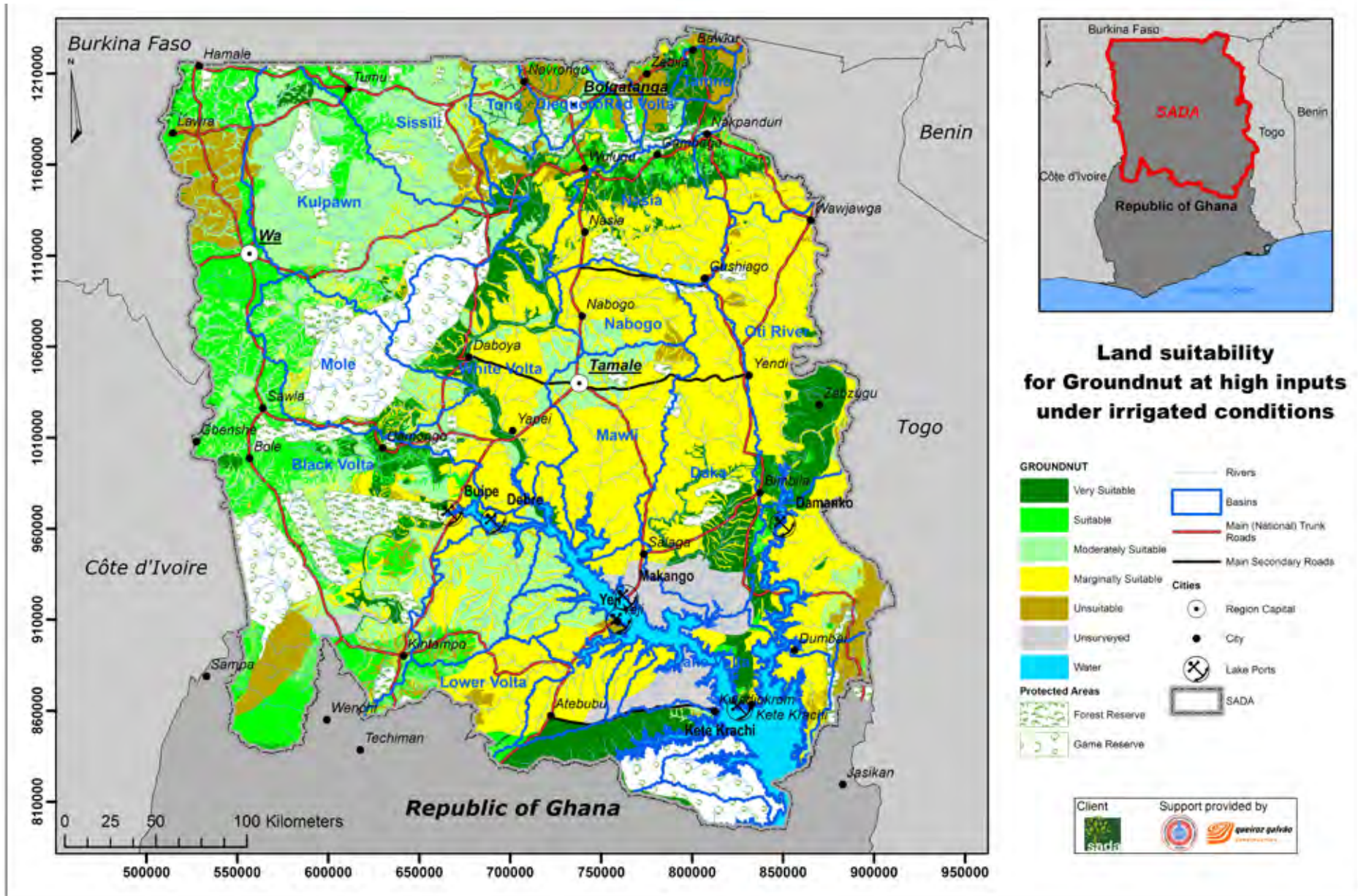
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR GROUNDNUT AT HIGH INPUTS UNDER RAINFED CONDITIONS



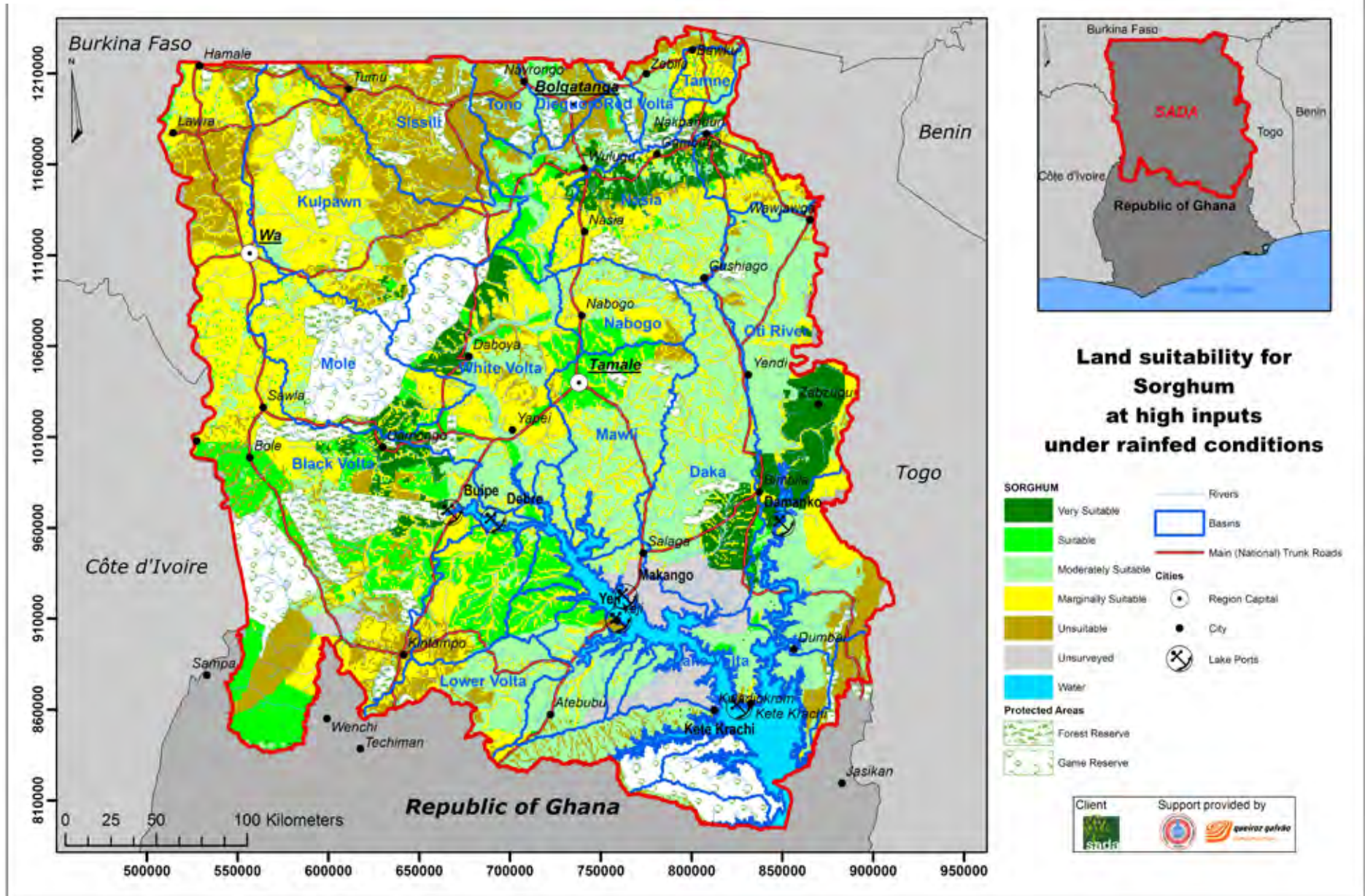
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR GROUNDNUT AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



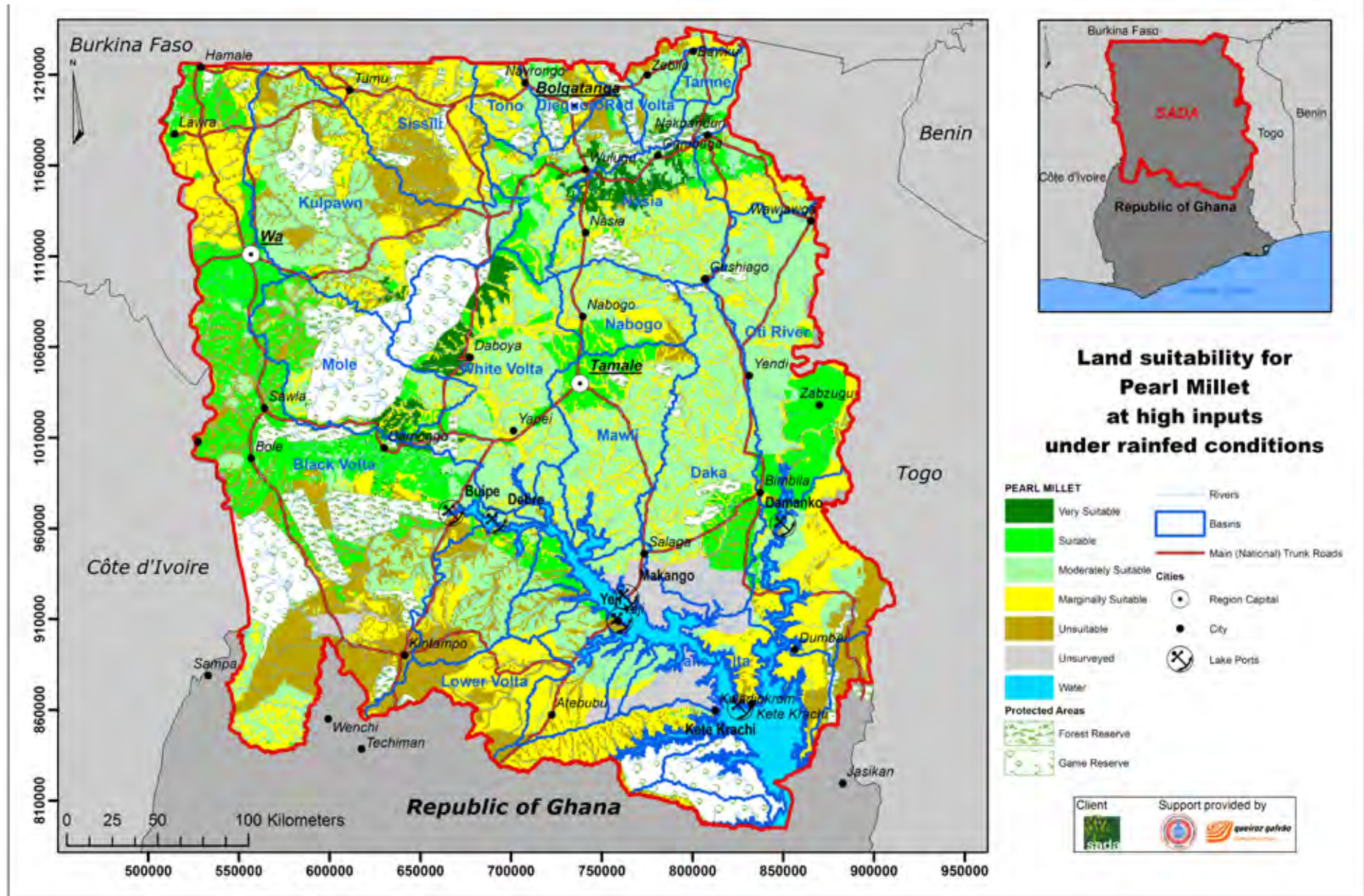
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SORGHUM AT HIGH INPUTS UNDER RAINFED CONDITIONS



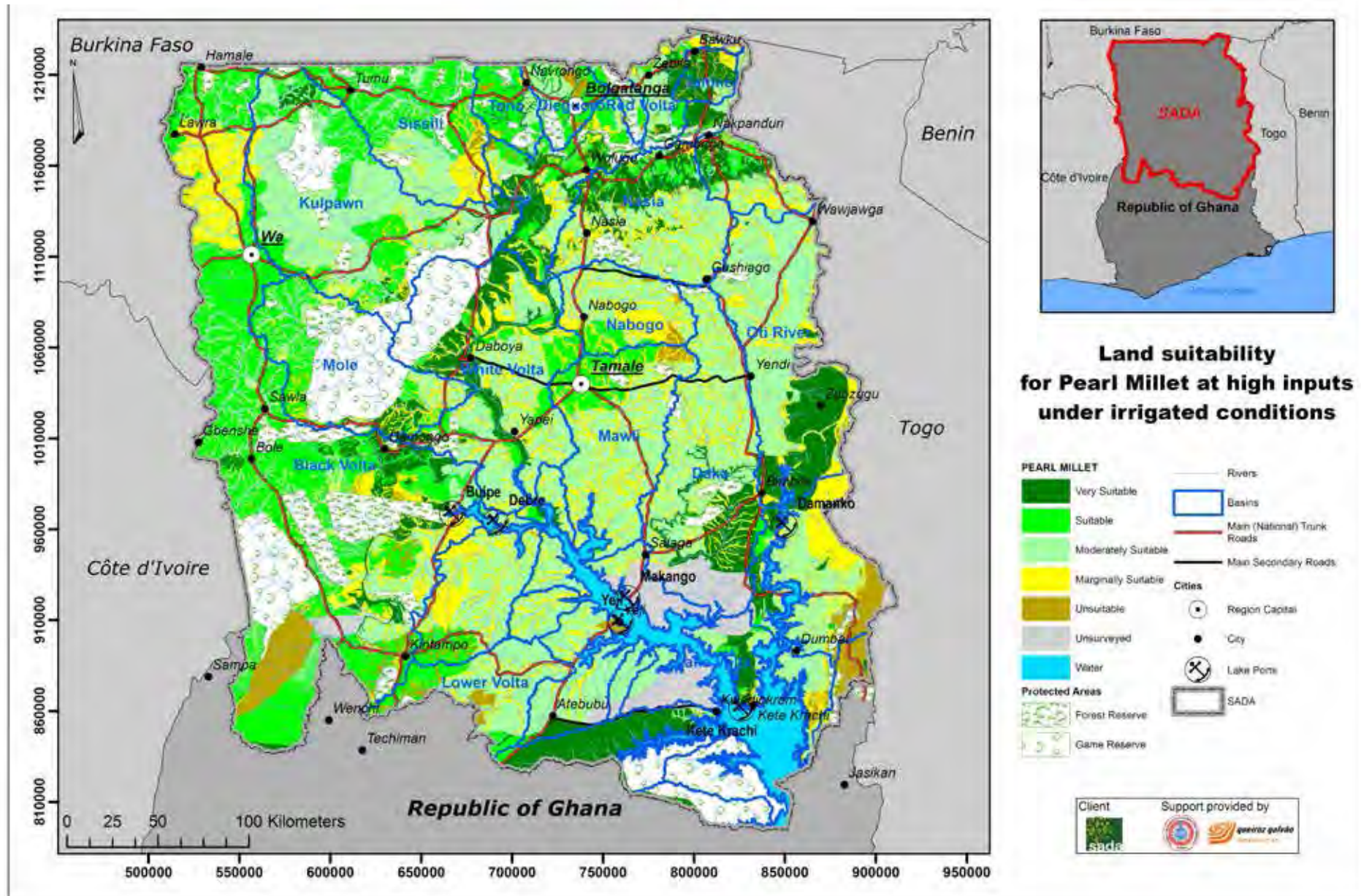
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR PEARL MILLET AT HIGH INPUTS UNDER RAINFED CONDITIONS



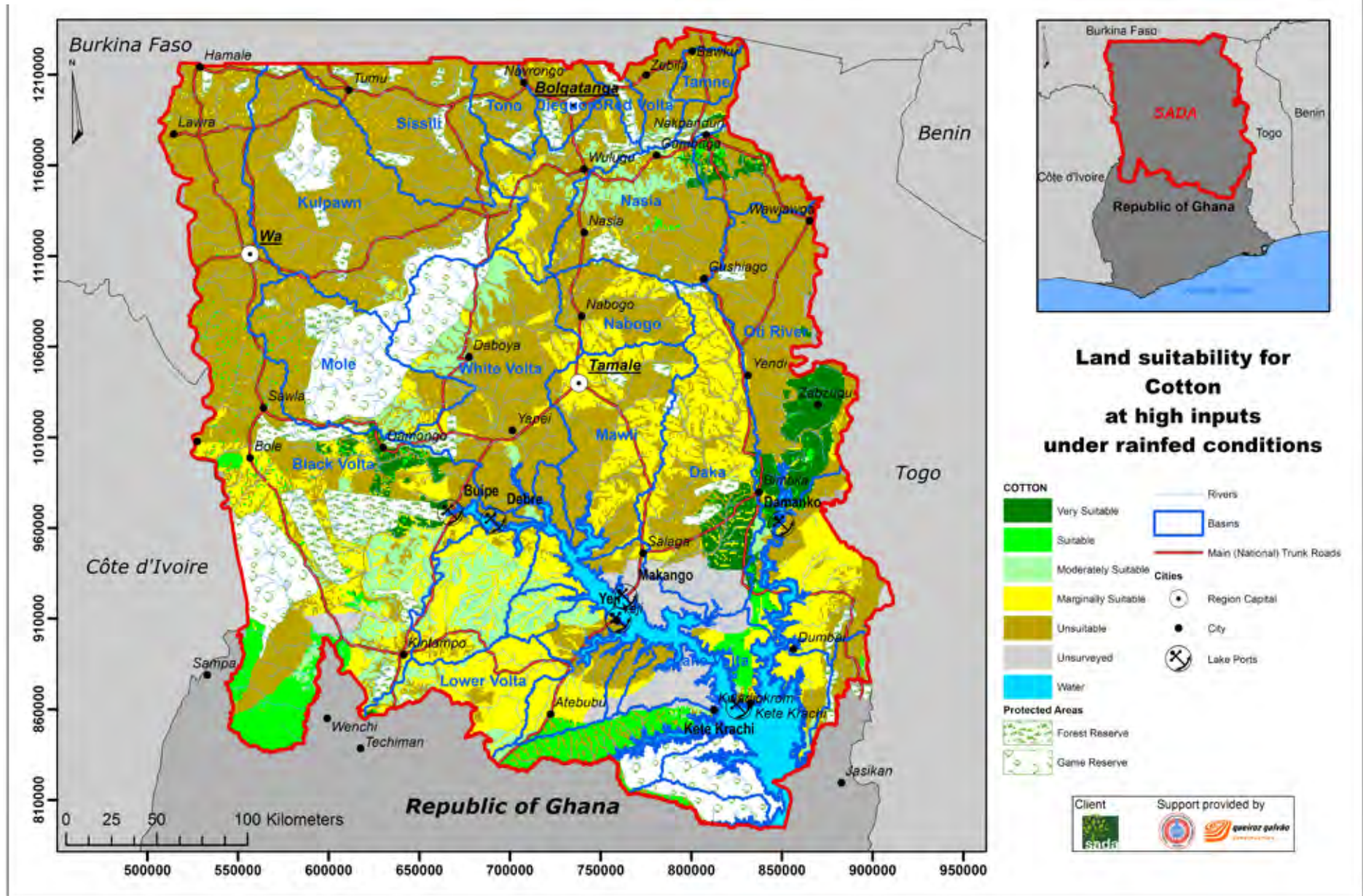
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR PEARL MILLET AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



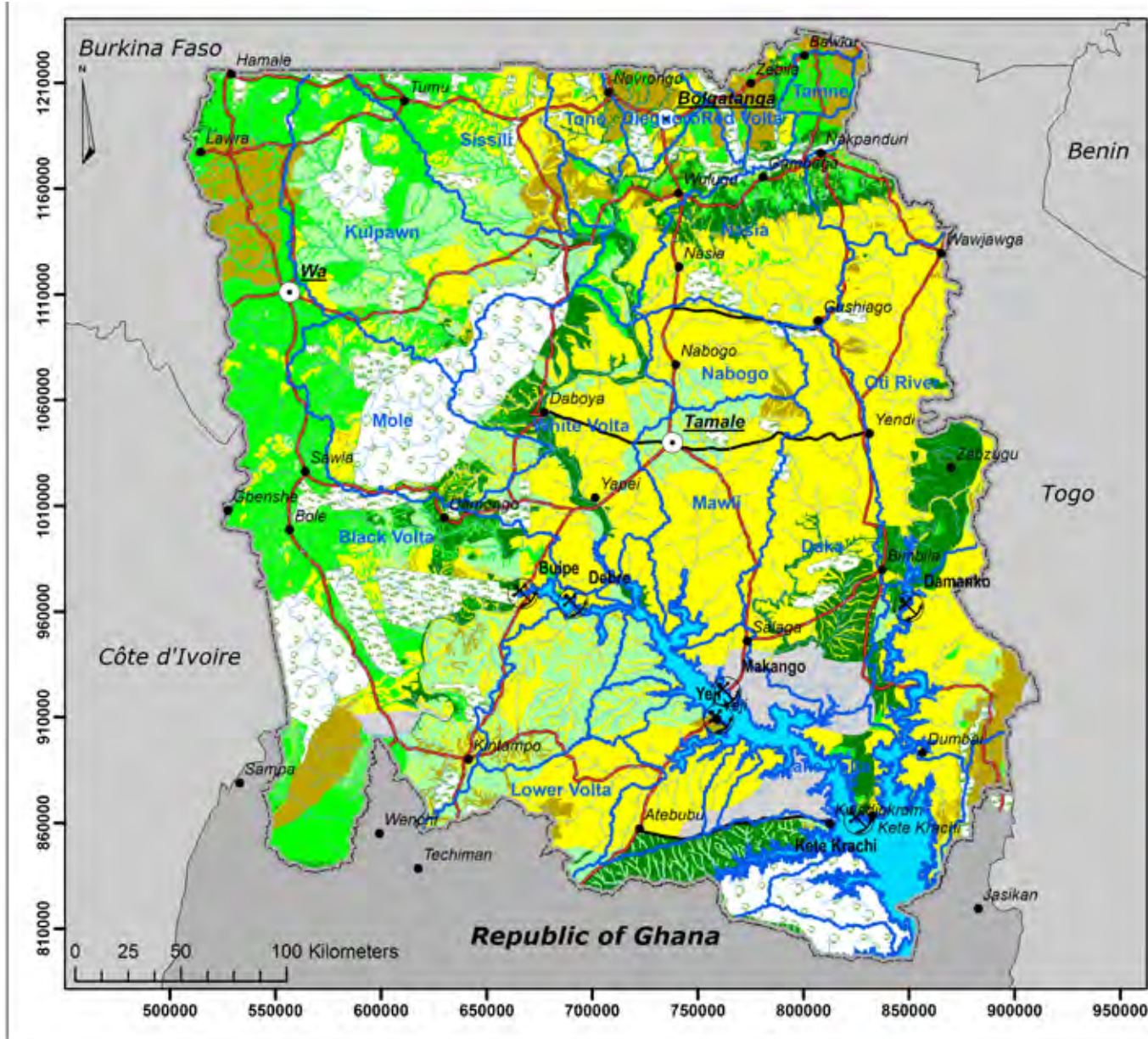
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR COTTON AT HIGH INPUTS UNDER RAINFED CONDITIONS



RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR COTTON AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



Land suitability for Cotton at high inputs under irrigated conditions

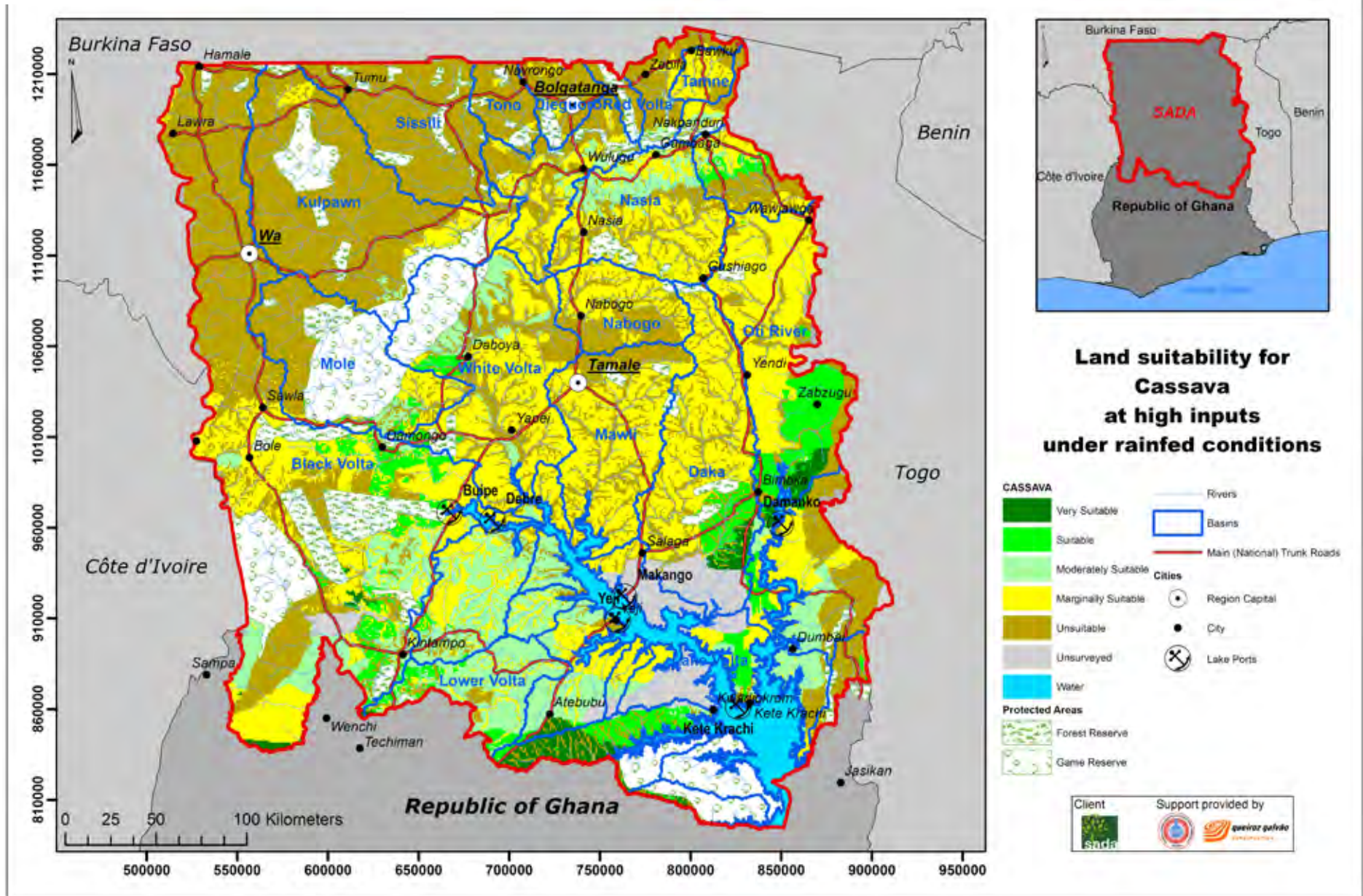
COTTON

- Very Suitable
- Suitable
- Moderately Suitable
- Marginally Suitable
- Unsuitable
- Unsurveyed
- Water
- Protected Areas: Forest Reserve, Game Reserve
- Rivers
- Basins
- Main (National) Trunk Roads
- Main Secondary Roads
- Cities: Region Capital, City, Lake Ports
- SADA

Client: Support provided by:

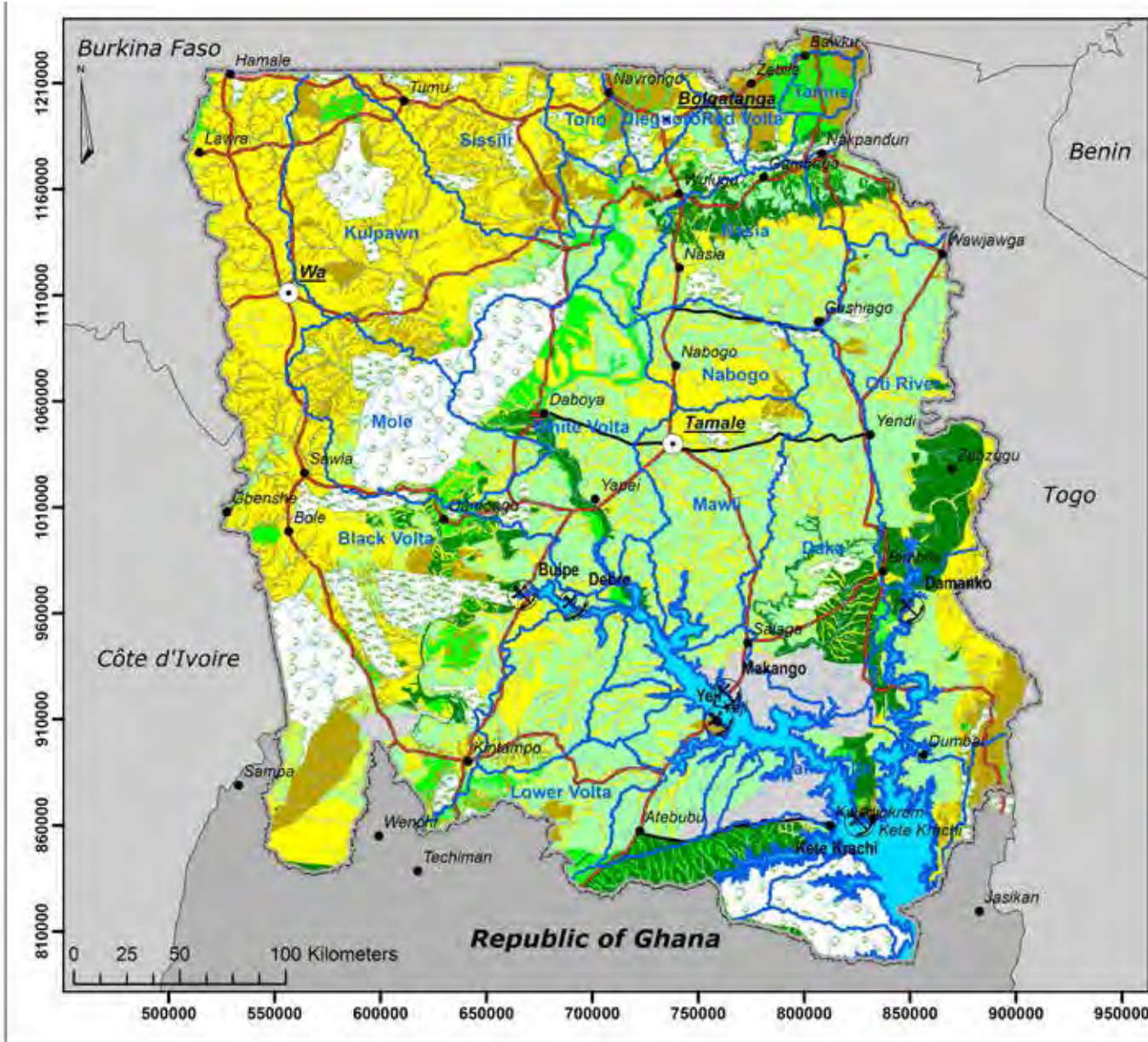
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR CASSAVA AT HIGH INPUTS UNDER RAINFED CONDITIONS



RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR CASSAVA AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



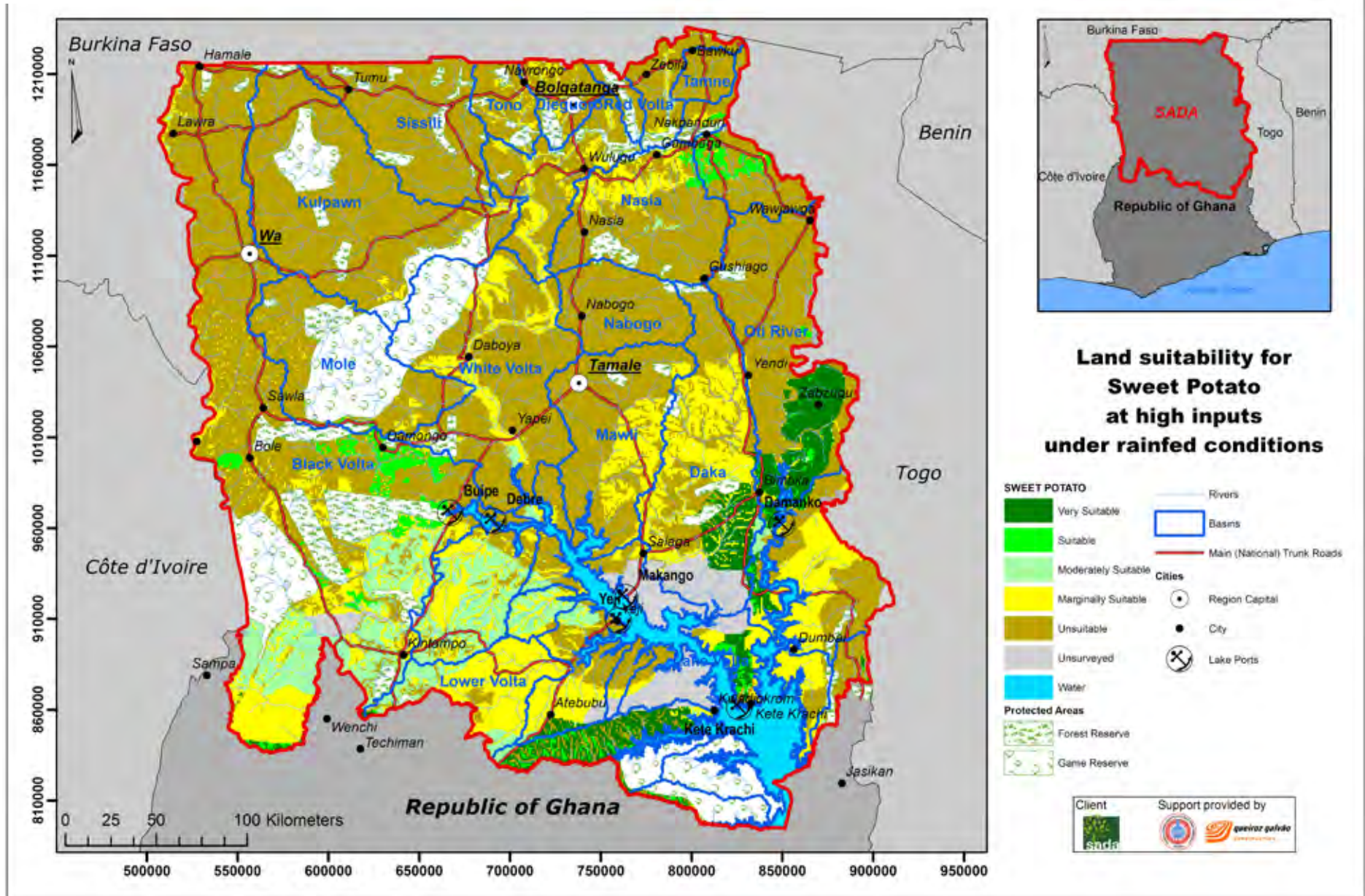
Land suitability for Cassava at high inputs under irrigated conditions



Client: Support provided by:

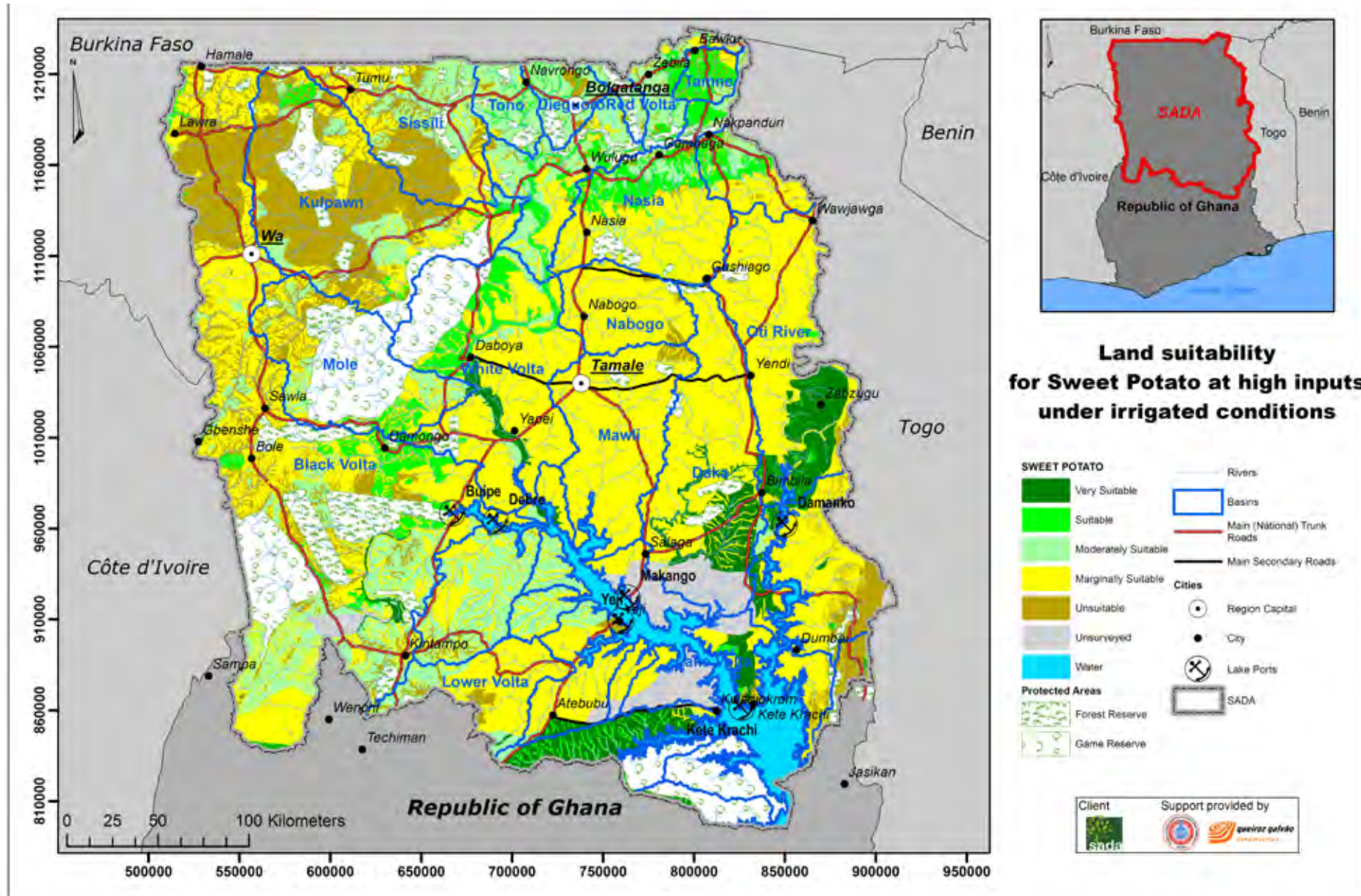
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SWEET POTATO AT HIGH INPUTS UNDER RAINFED CONDITIONS



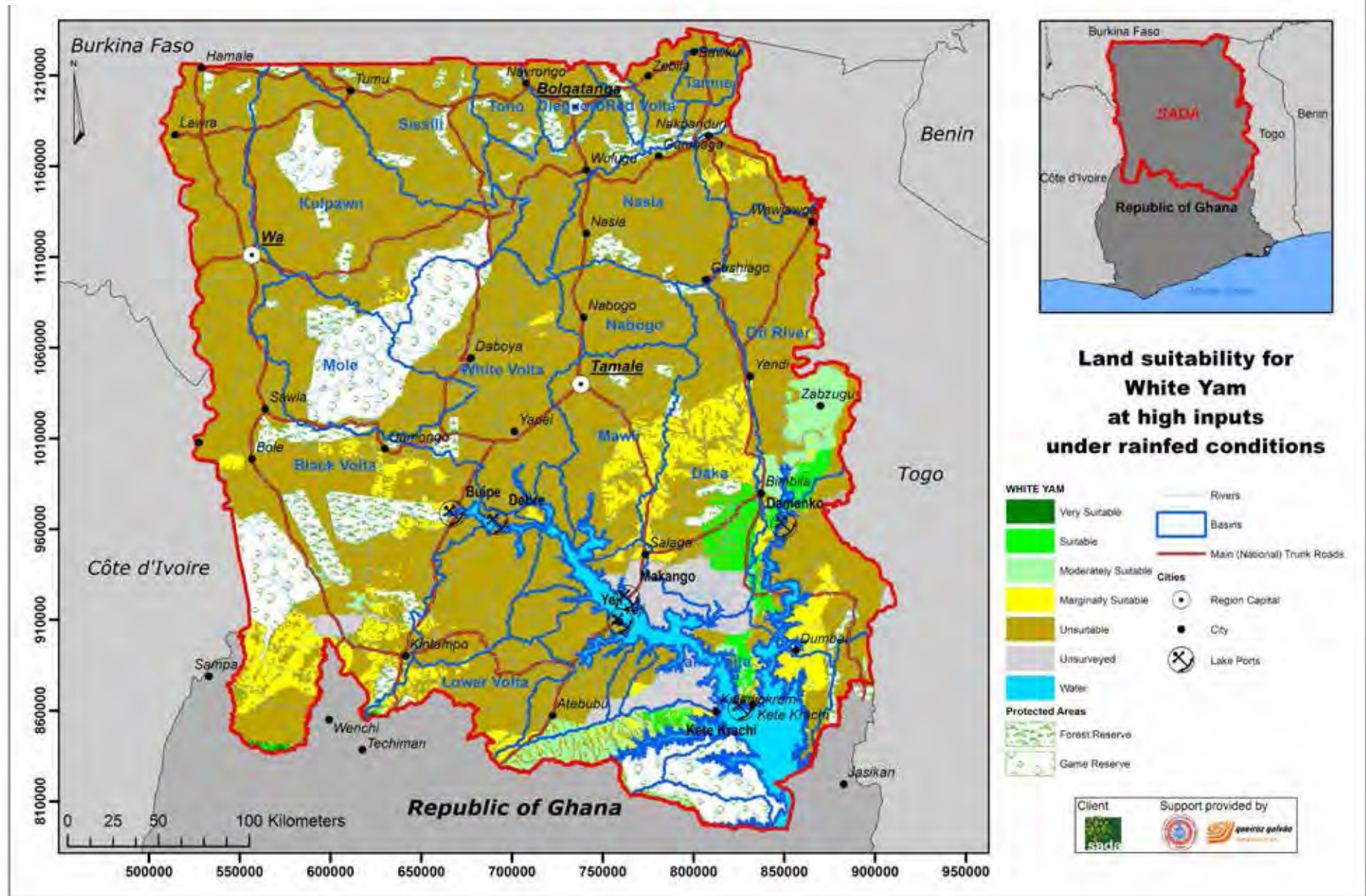
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SWEET POTATO AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



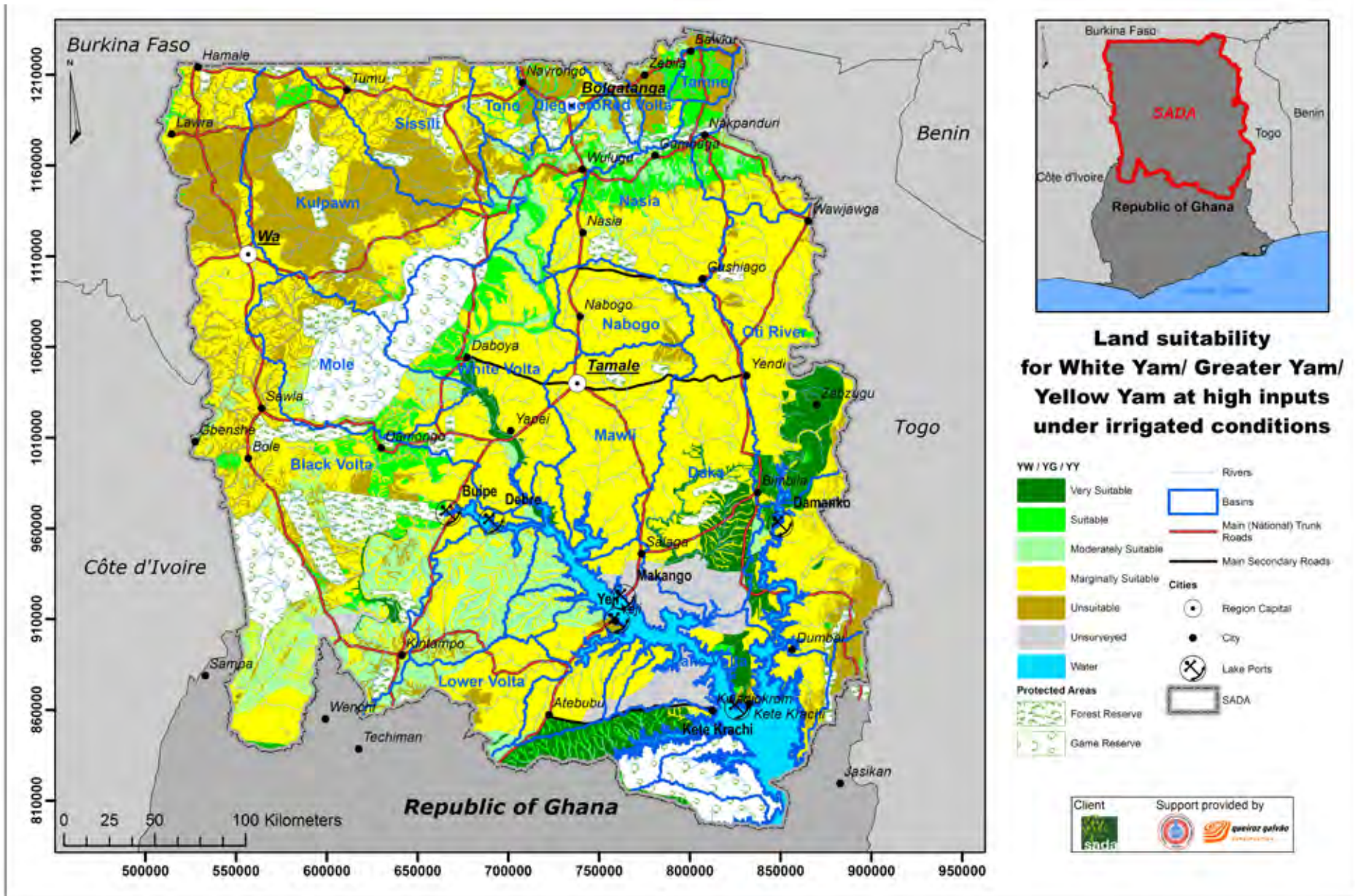
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR WHITE YAM AT HIGH INPUTS UNDER RAINFED CONDITIONS



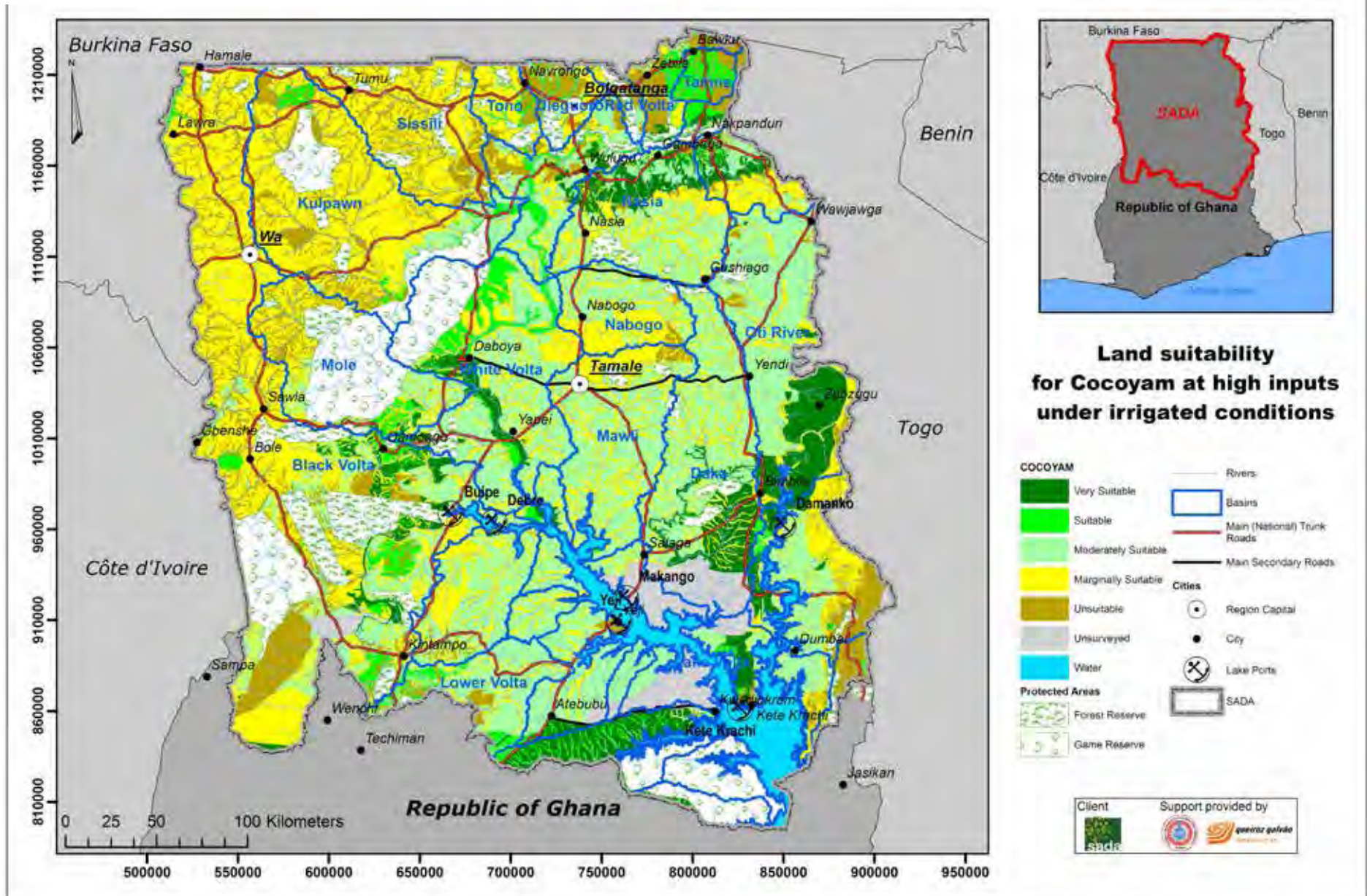
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR WHITE YAM/GREATER YAM/YELLOW YAM AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



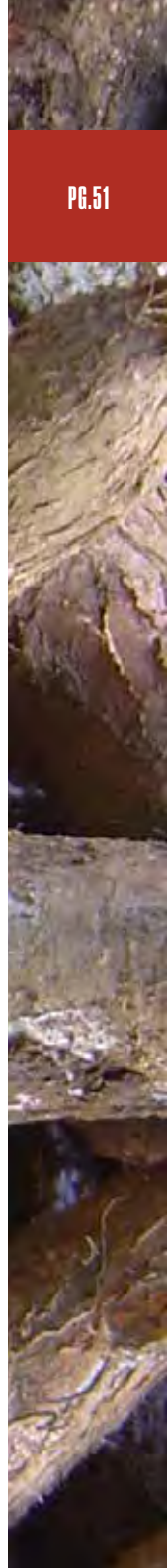
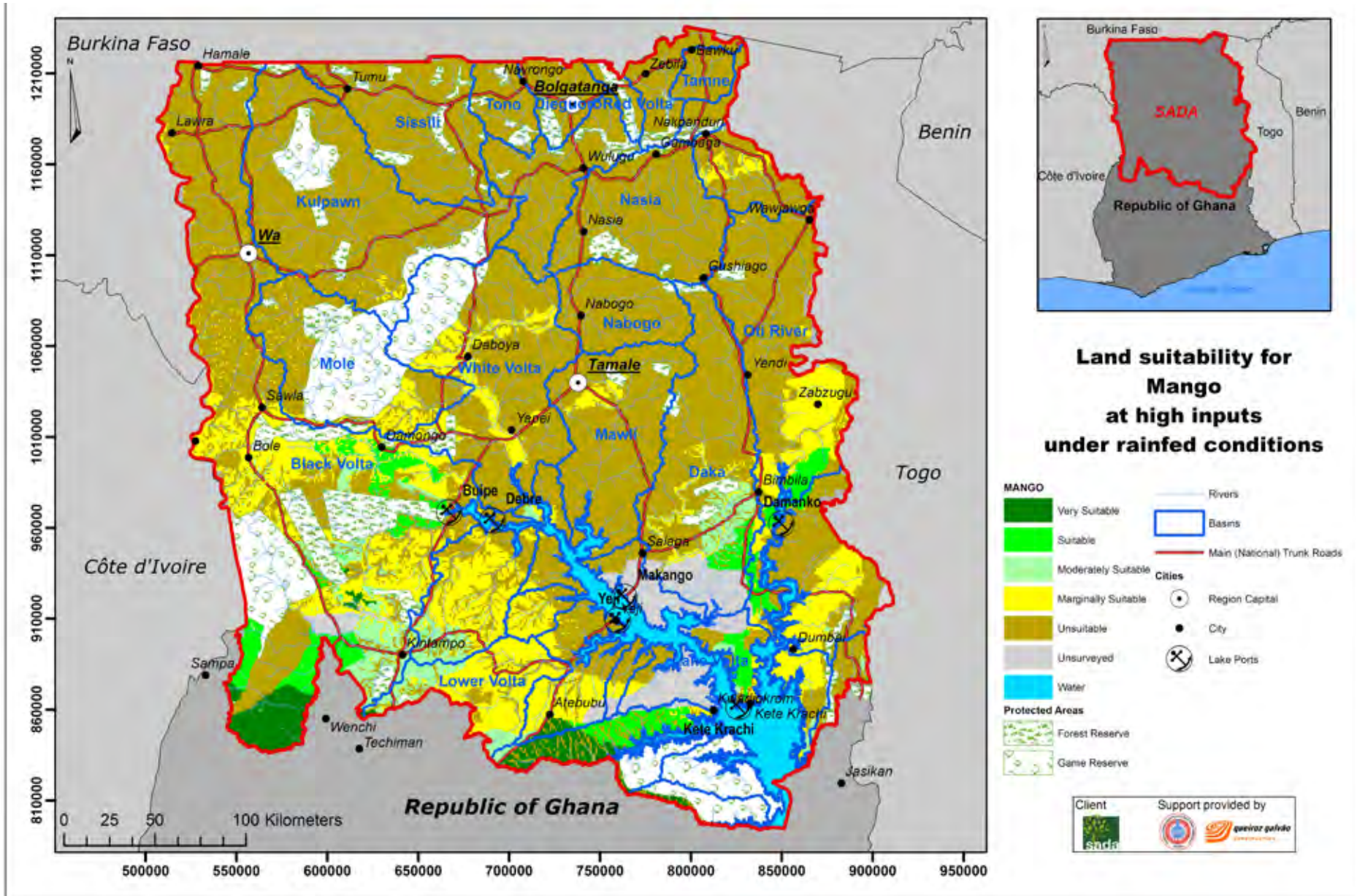
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR COCOYAM AT HIGH INPUTS UNDER RAINFED CONDITIONS



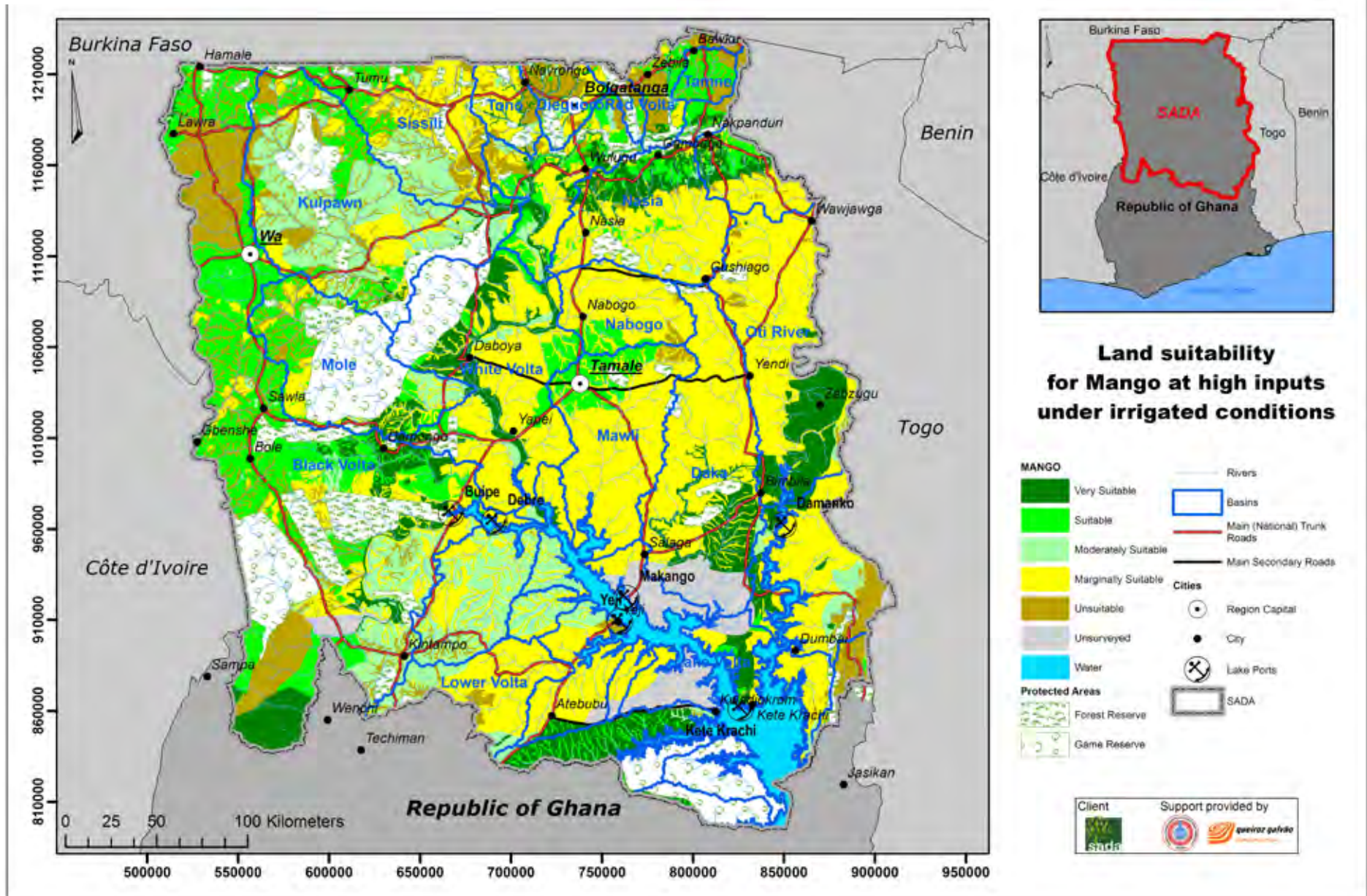
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR MANGO AT HIGH INPUTS UNDER RAINFED CONDITIONS (WITH SUPPLEMENTARY IRRIGATION)



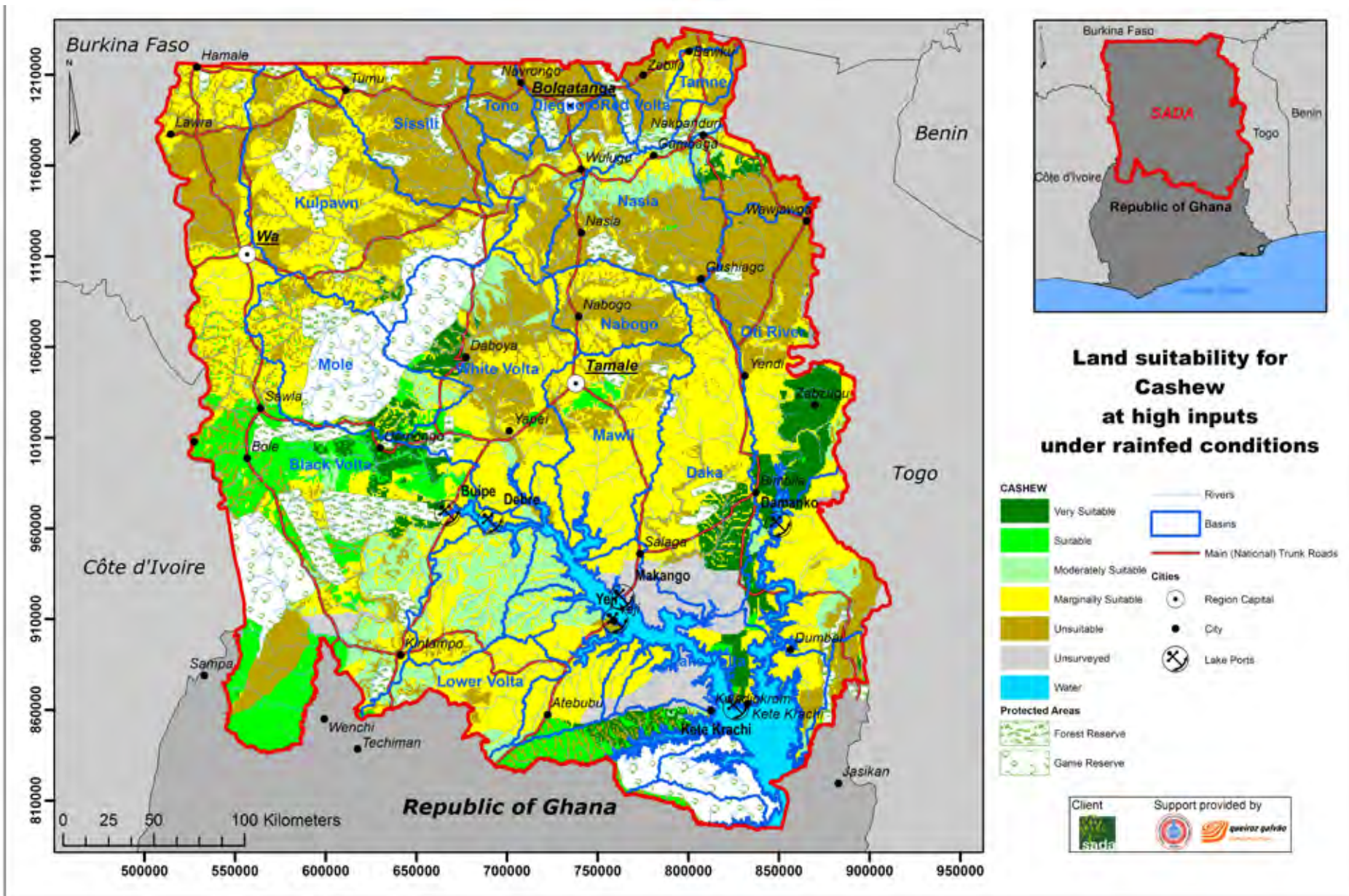
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR MANGO AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



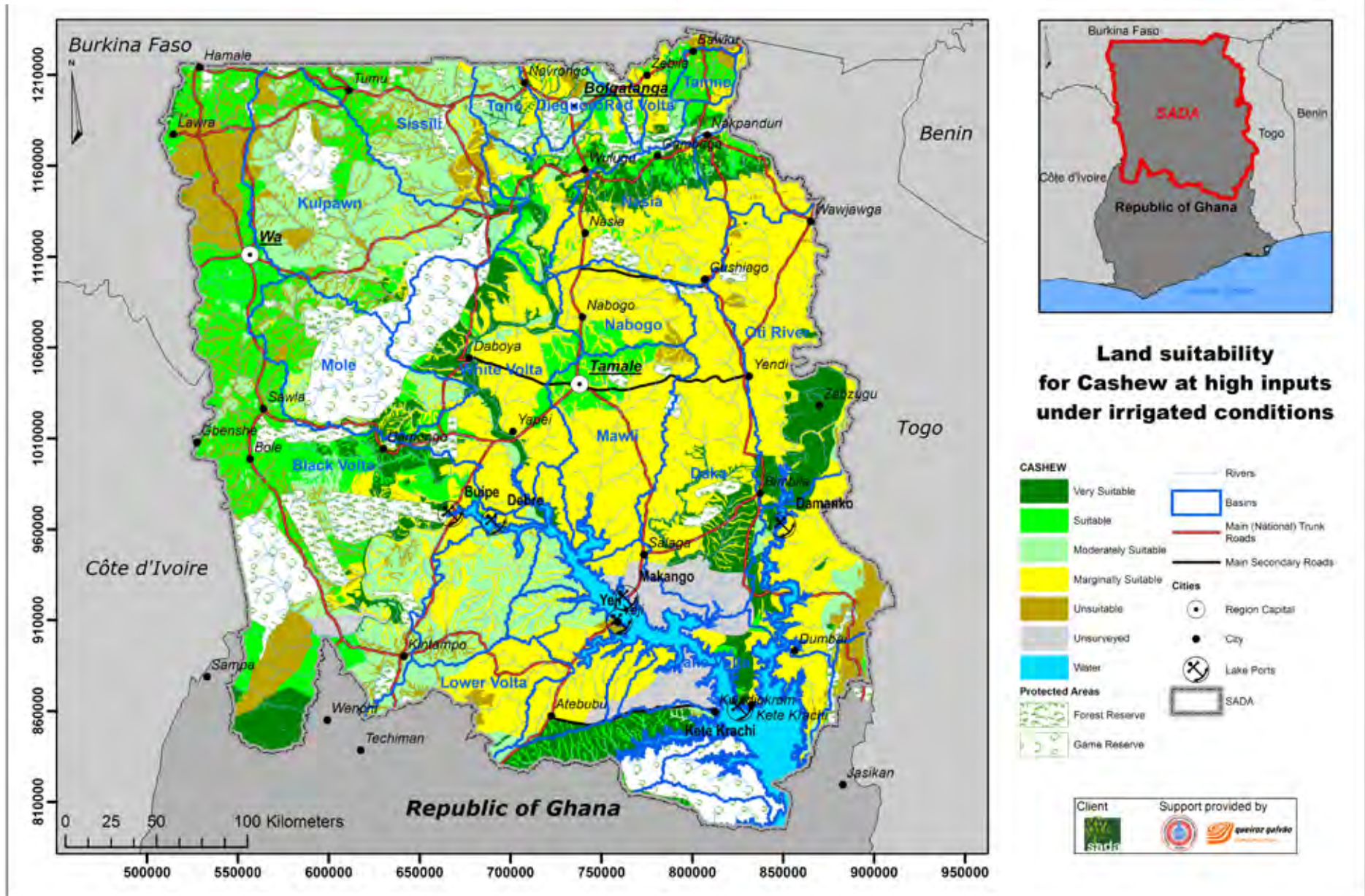
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR CASHEW AT HIGH INPUTS UNDER RAINFED CONDITIONS (WITH SUPPLEMENTARY IRRIGATION)



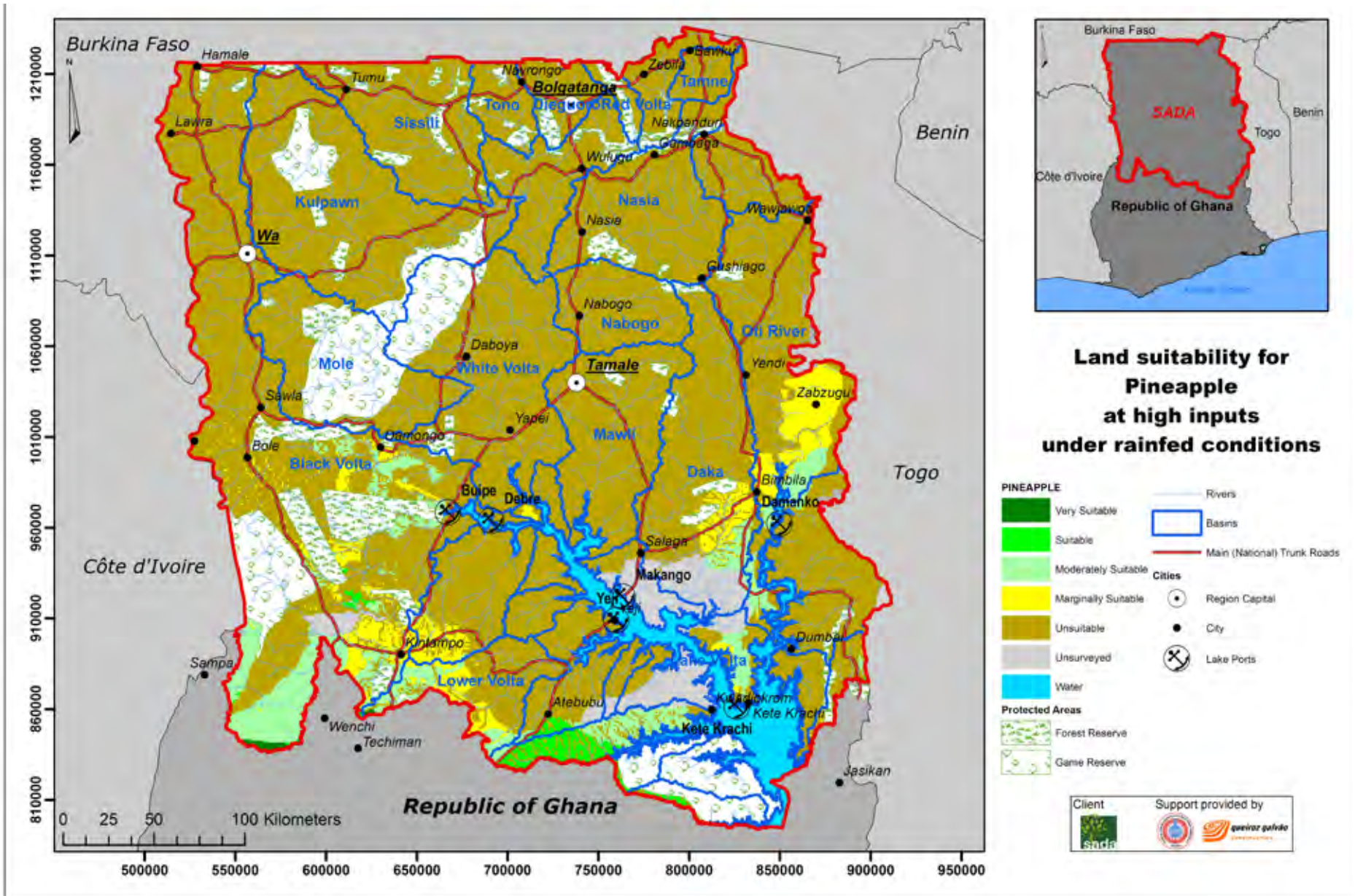
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR CASHEW AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



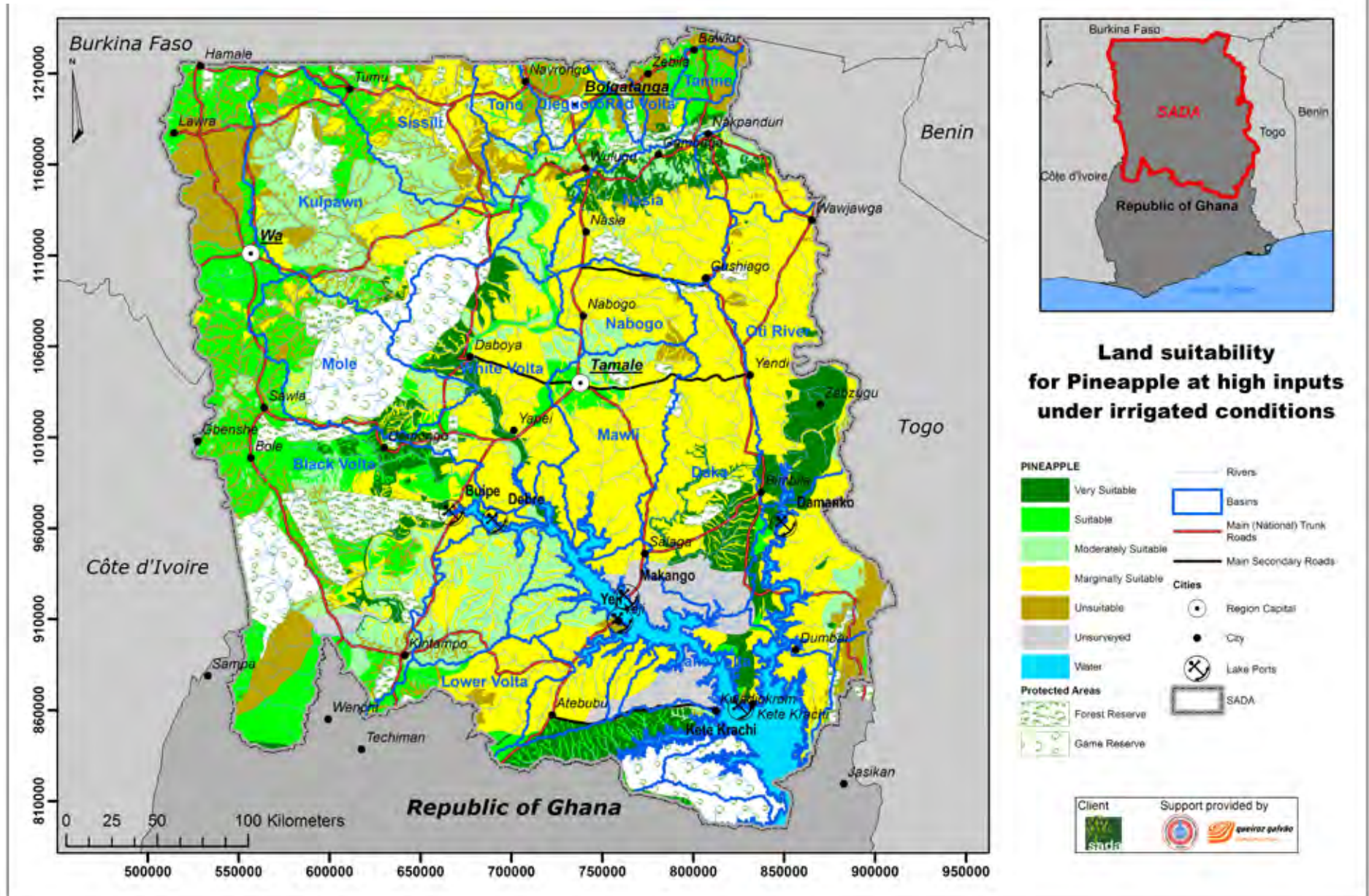
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR PINEAPPLE AT HIGH INPUTS UNDER RAINFED CONDITIONS (WITH SUPPLEMENTARY IRRIGATION)



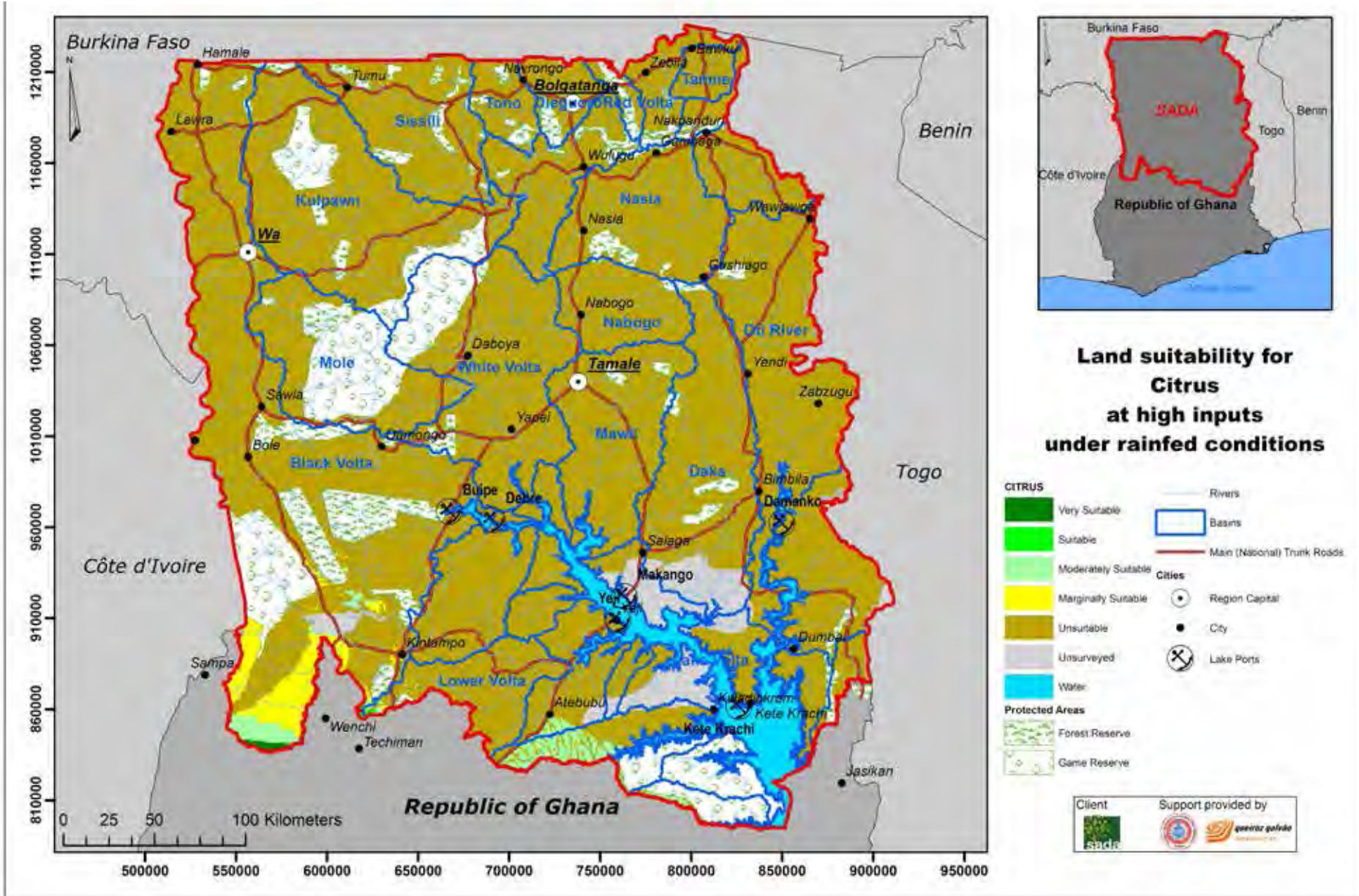
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR PINEAPPLE AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



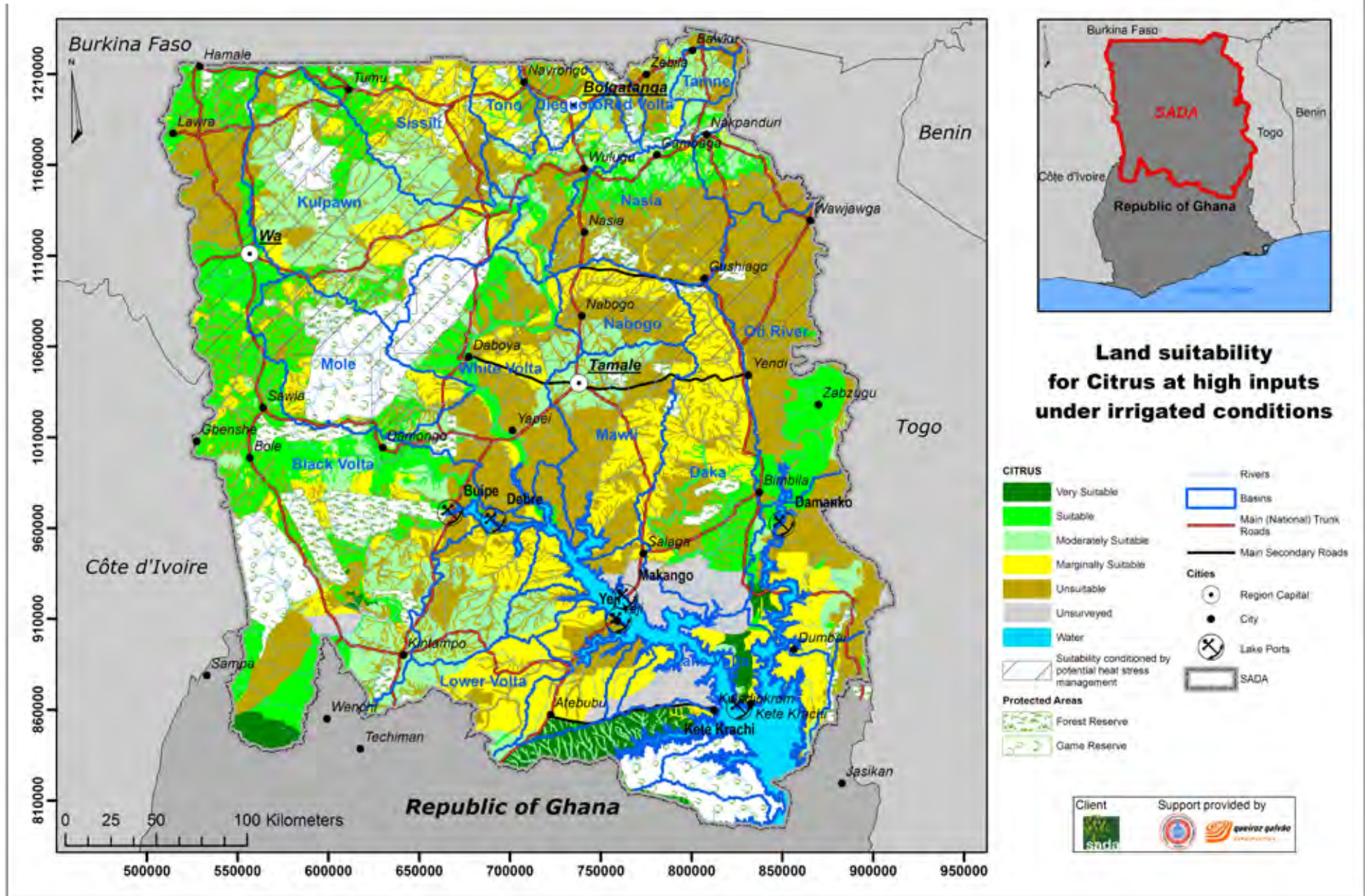
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR CITRUS
AT HIGH INPUTS UNDER RAINFED CONDITIONS
(WITH SUPPLEMENTARY IRRIGATION)



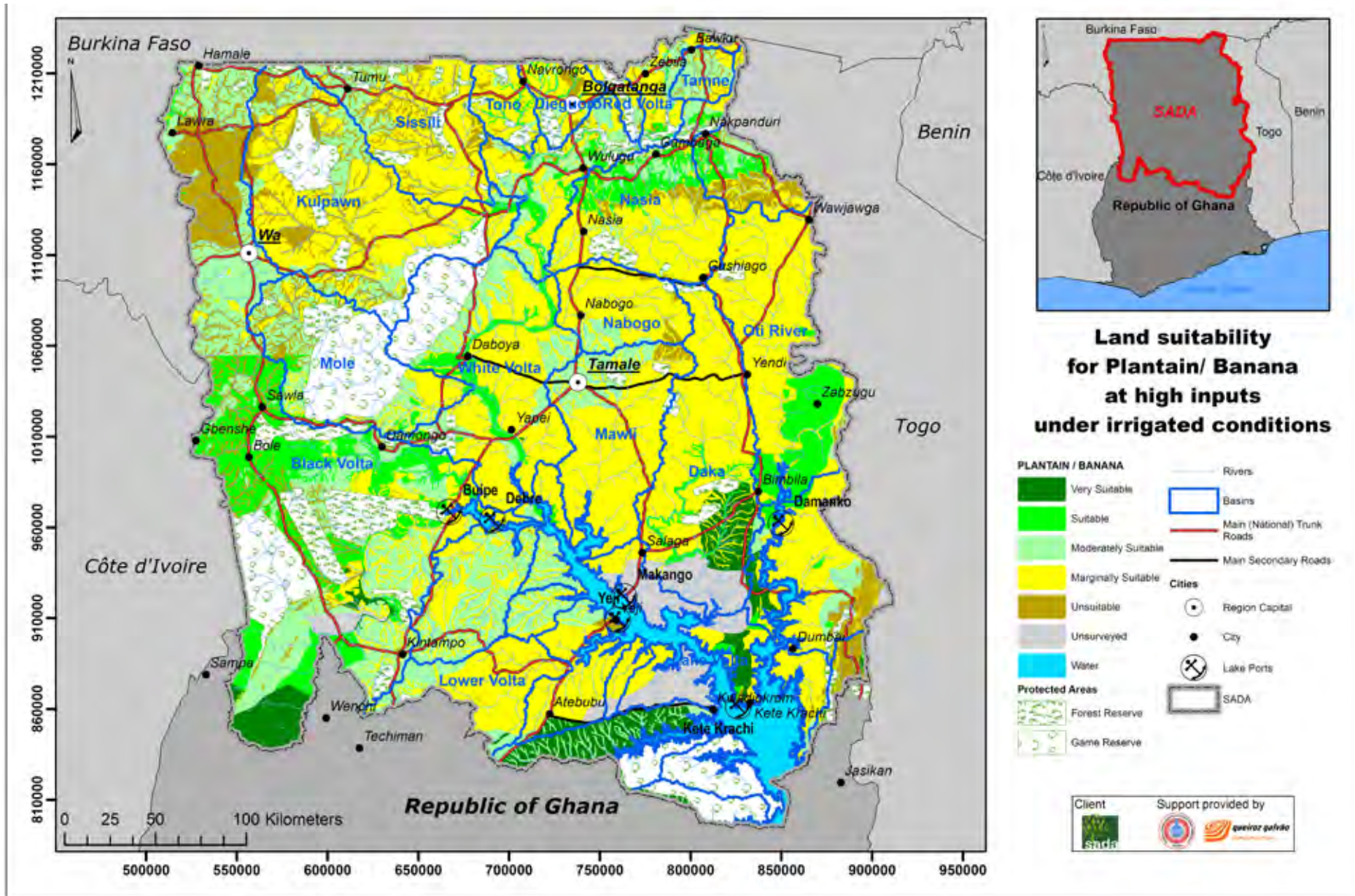
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR CITRUS AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



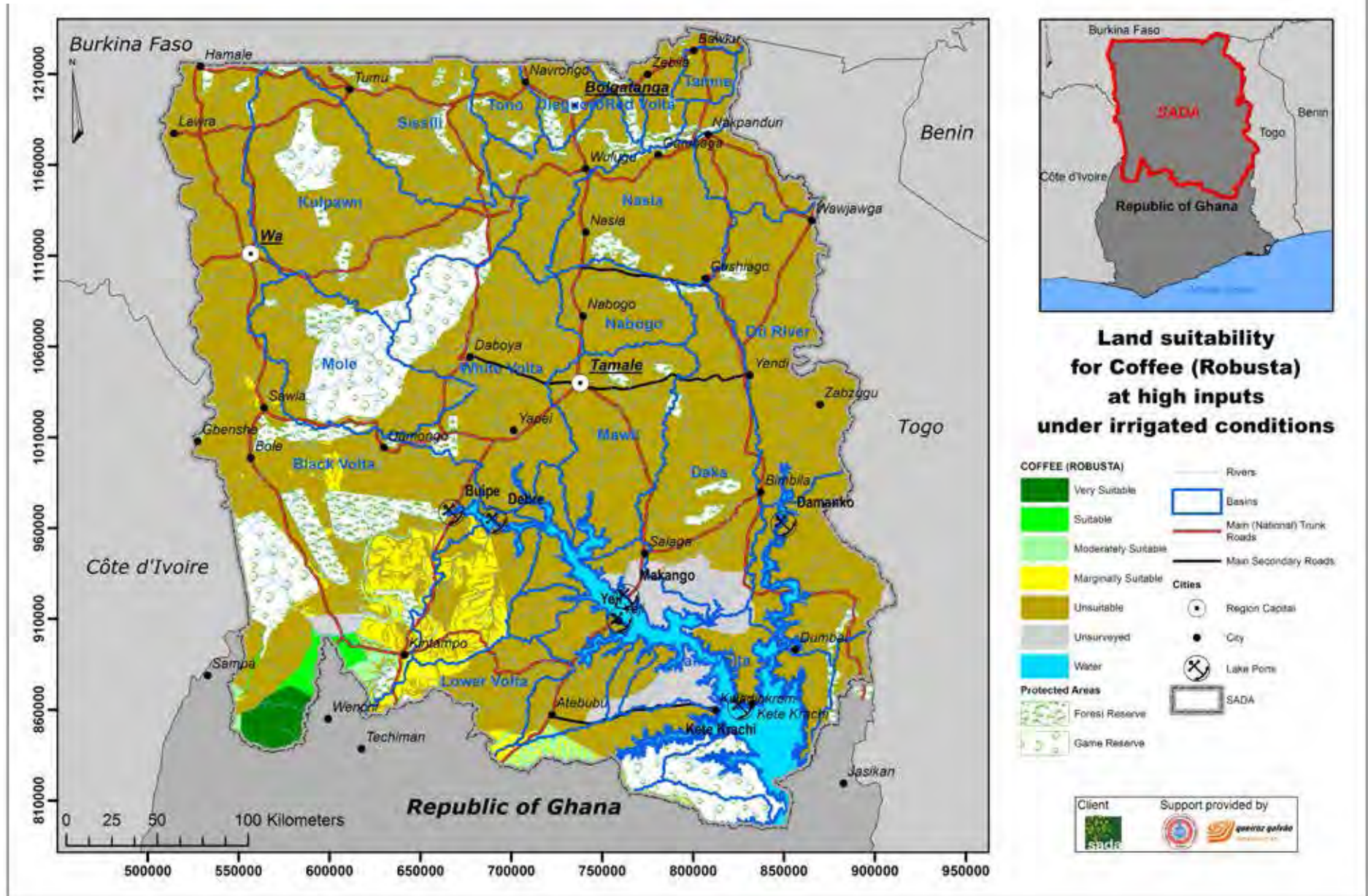
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR PLANTAIN/BANANA AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



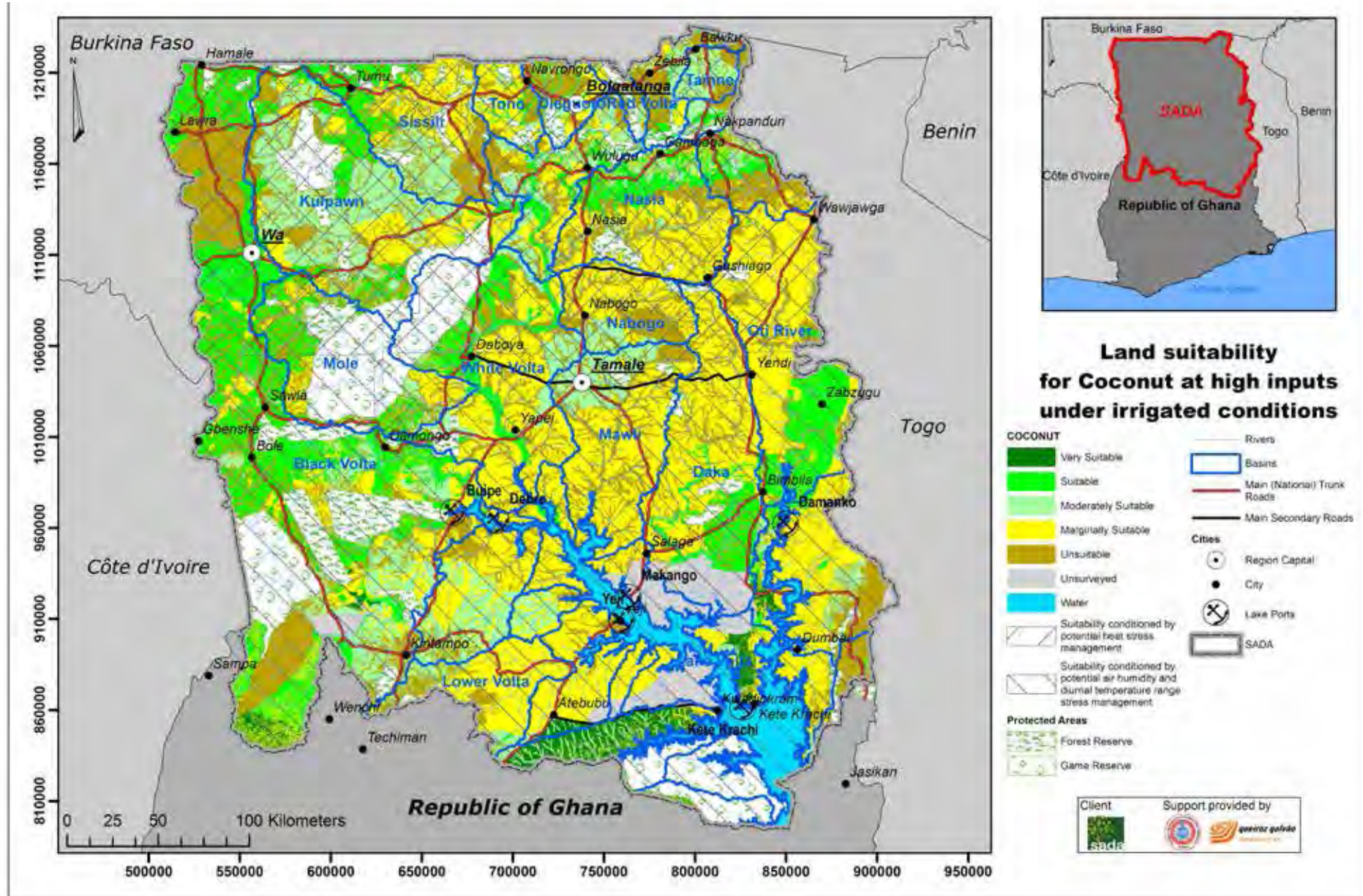
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR COFFEE (ROBUSTA) AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



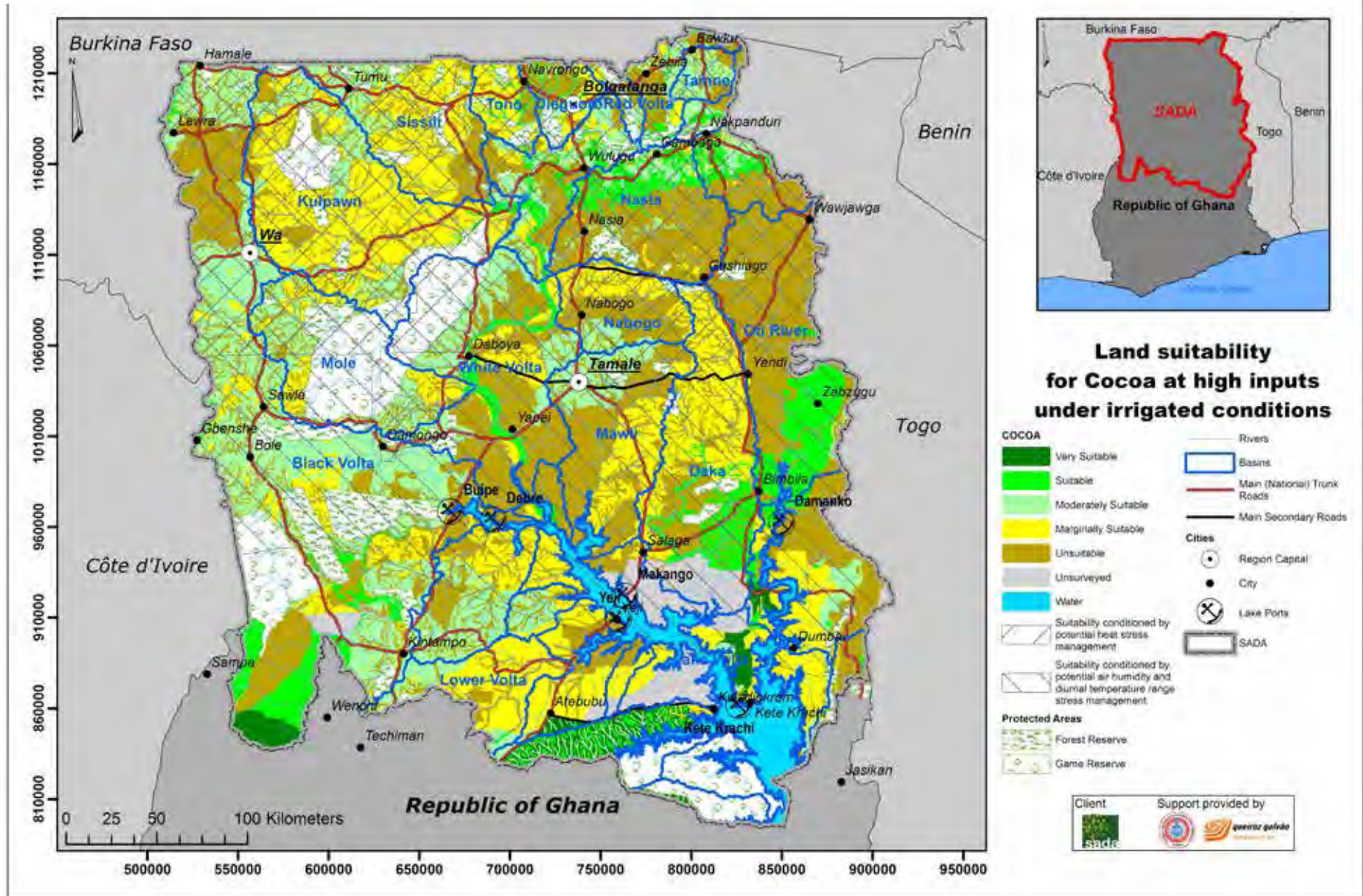
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR COCONUT AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



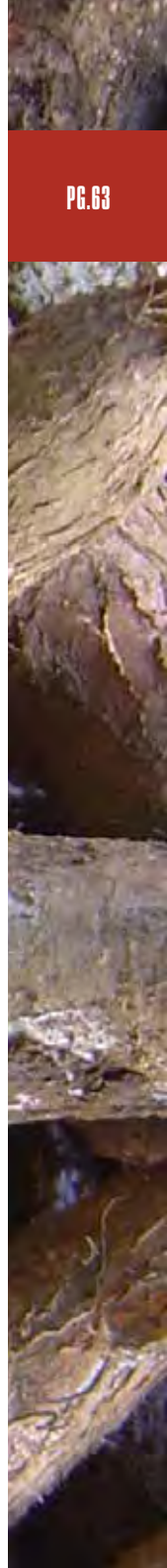
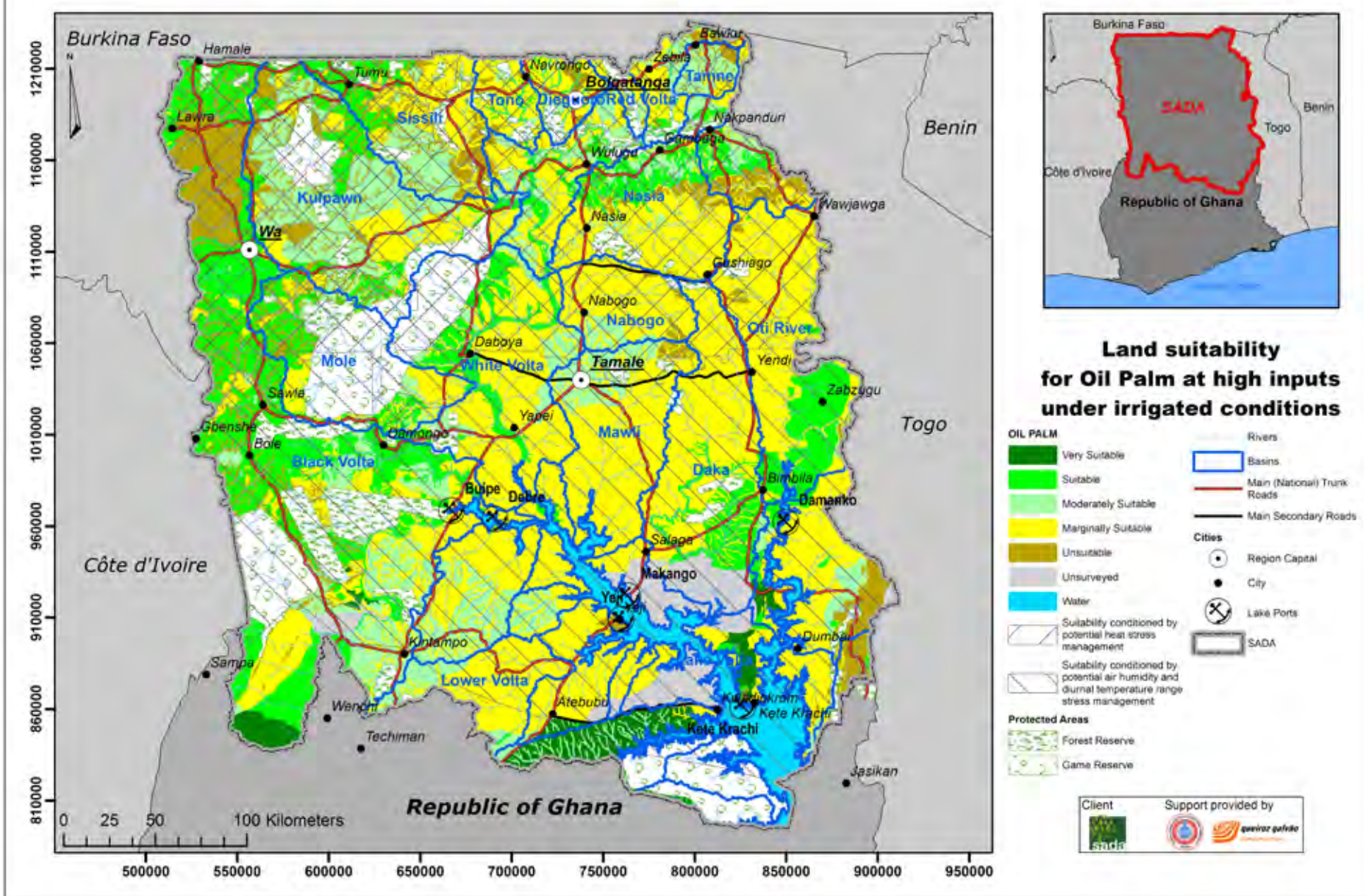
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR COCOA AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



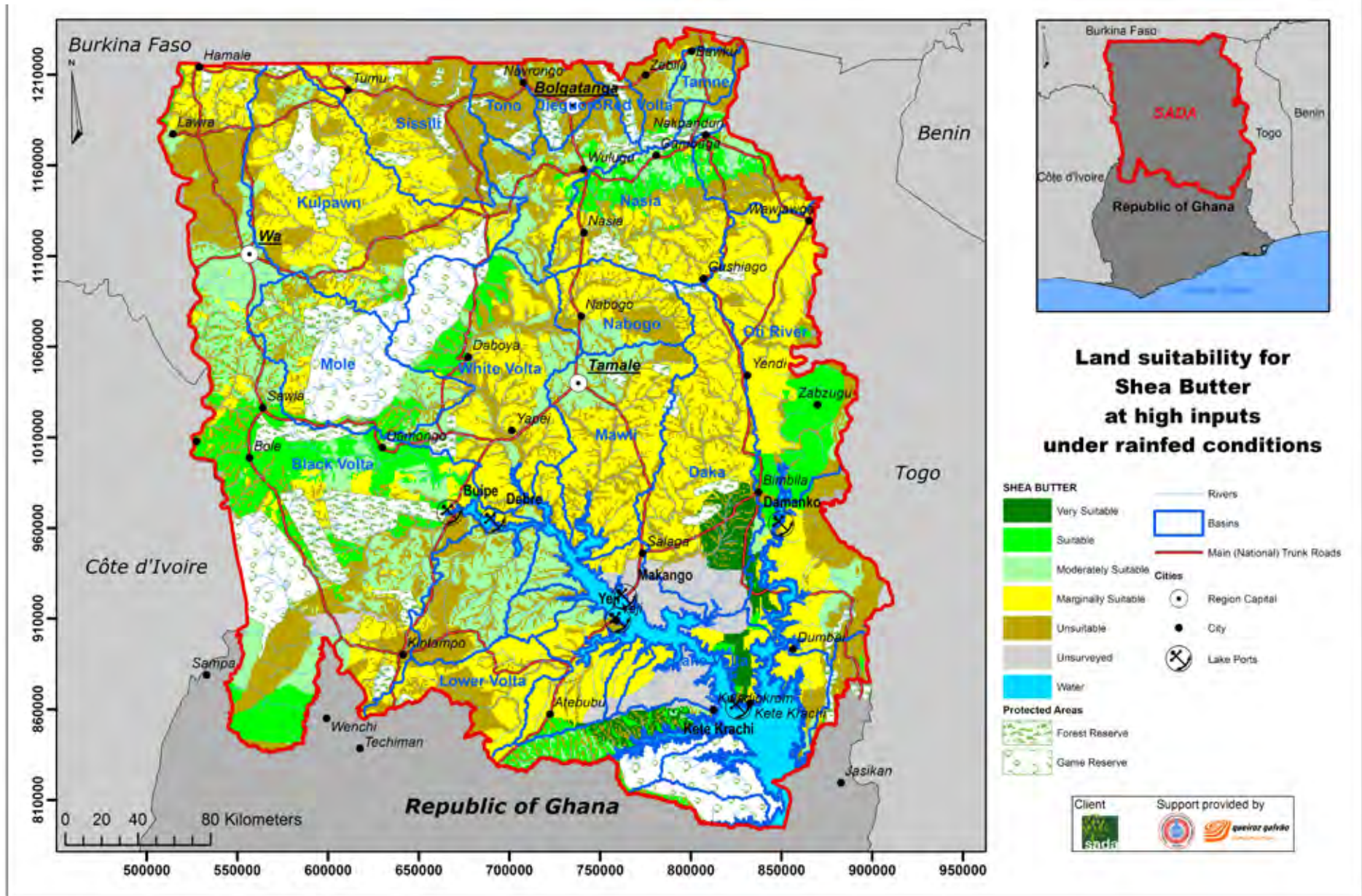
RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR OIL PALM AT HIGH INPUTS UNDER IRRIGATED CONDITIONS



RESOURCES FOR LARGE SCALE AGRICULTURE IN THE SADA ZONE

LAND SUITABLE FOR SHEA BUTTER AT HIGH INPUTS UNDER RAINFED CONDITIONS

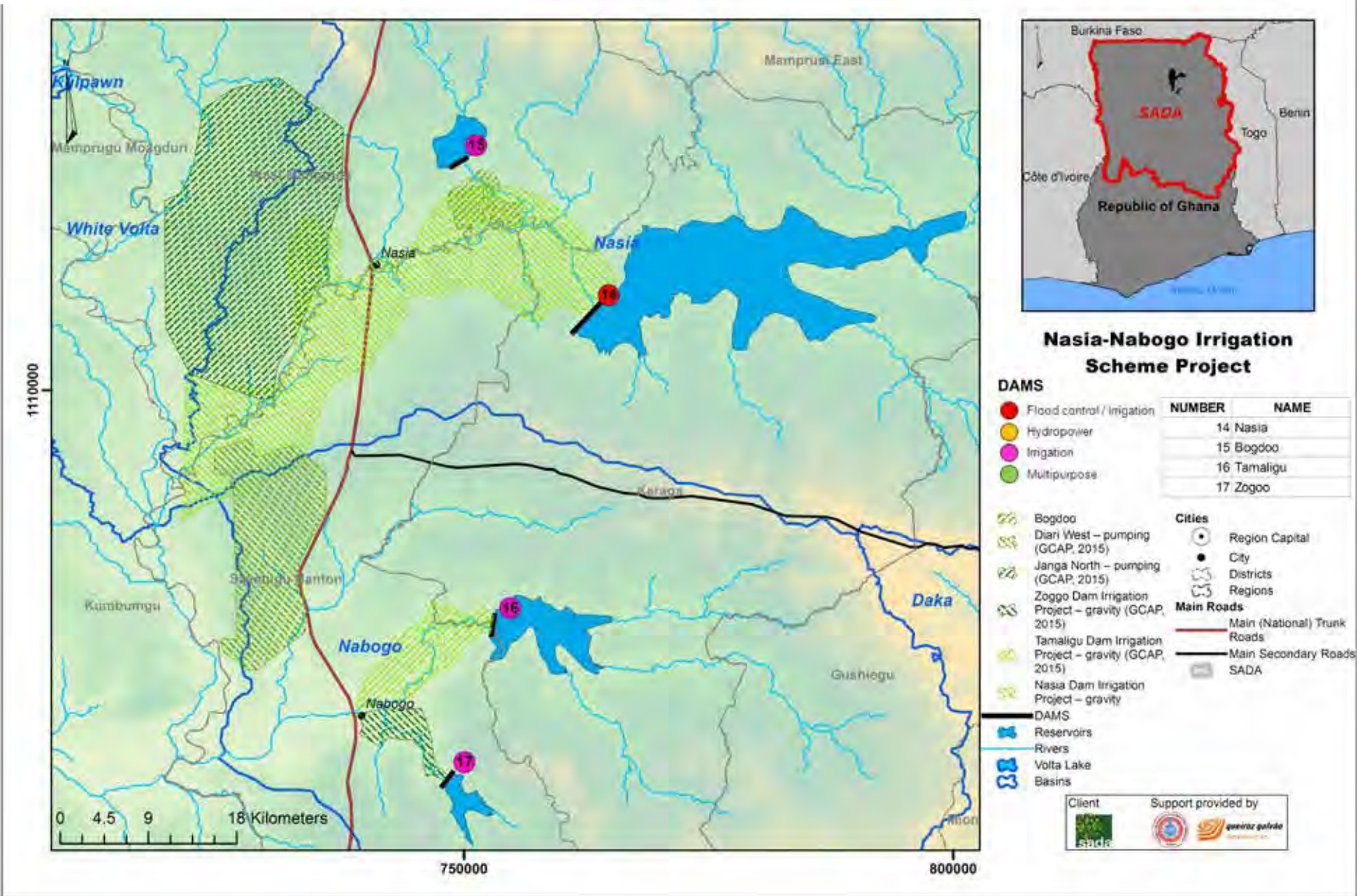




**IRRIGATION SCHEME,
POWER AND AQUACULTURE
PROJECT PORTFOLIO**

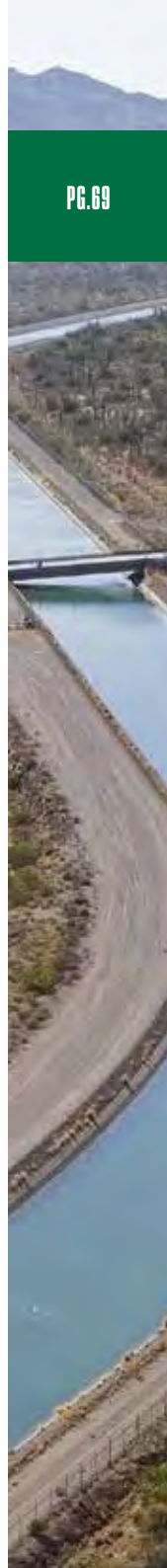
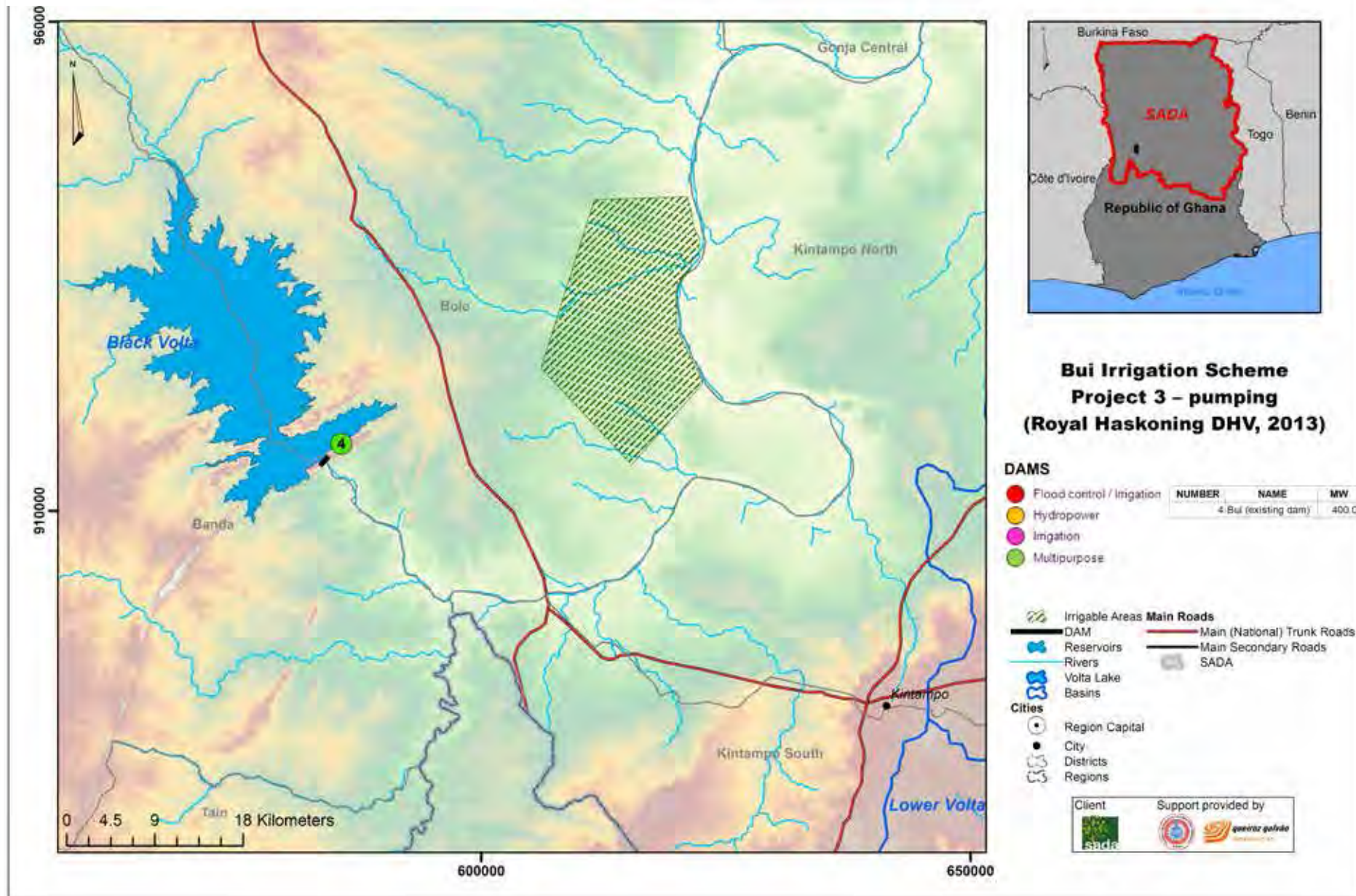
IRRIGATION SCHEME, POWER AND AQUACULTURE PROJECT PORTFOLIO

NASIA-NAGOBO IRRIGATION SCHEME PROJECT



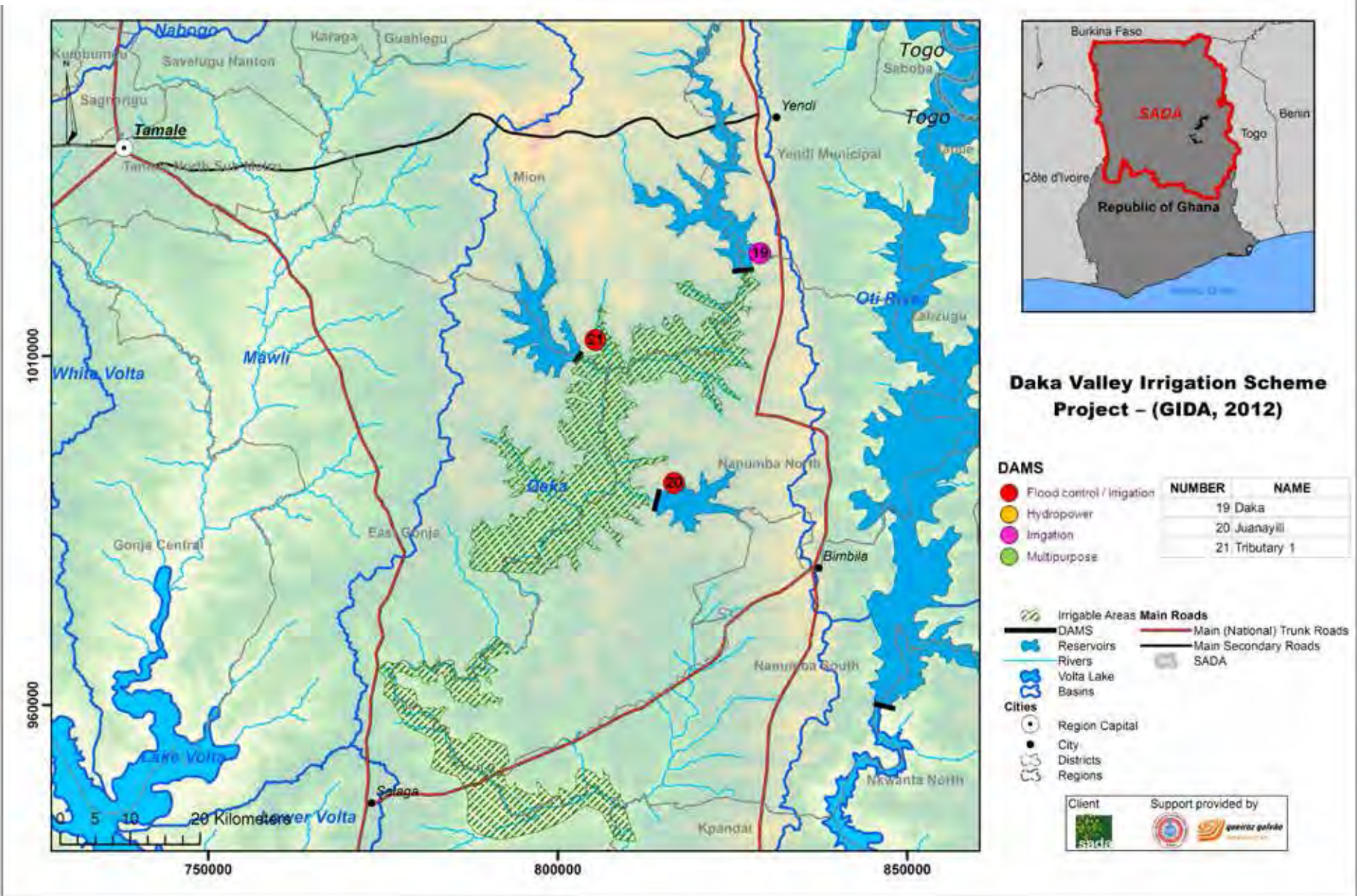
IRRIGATION SCHEME, POWER AND AQUACULTURE PROJECT PORTFOLIO

BUI IRRIGATION SCHEME PROJECT 3
(ROYAL HASKONING DHV, 2013)



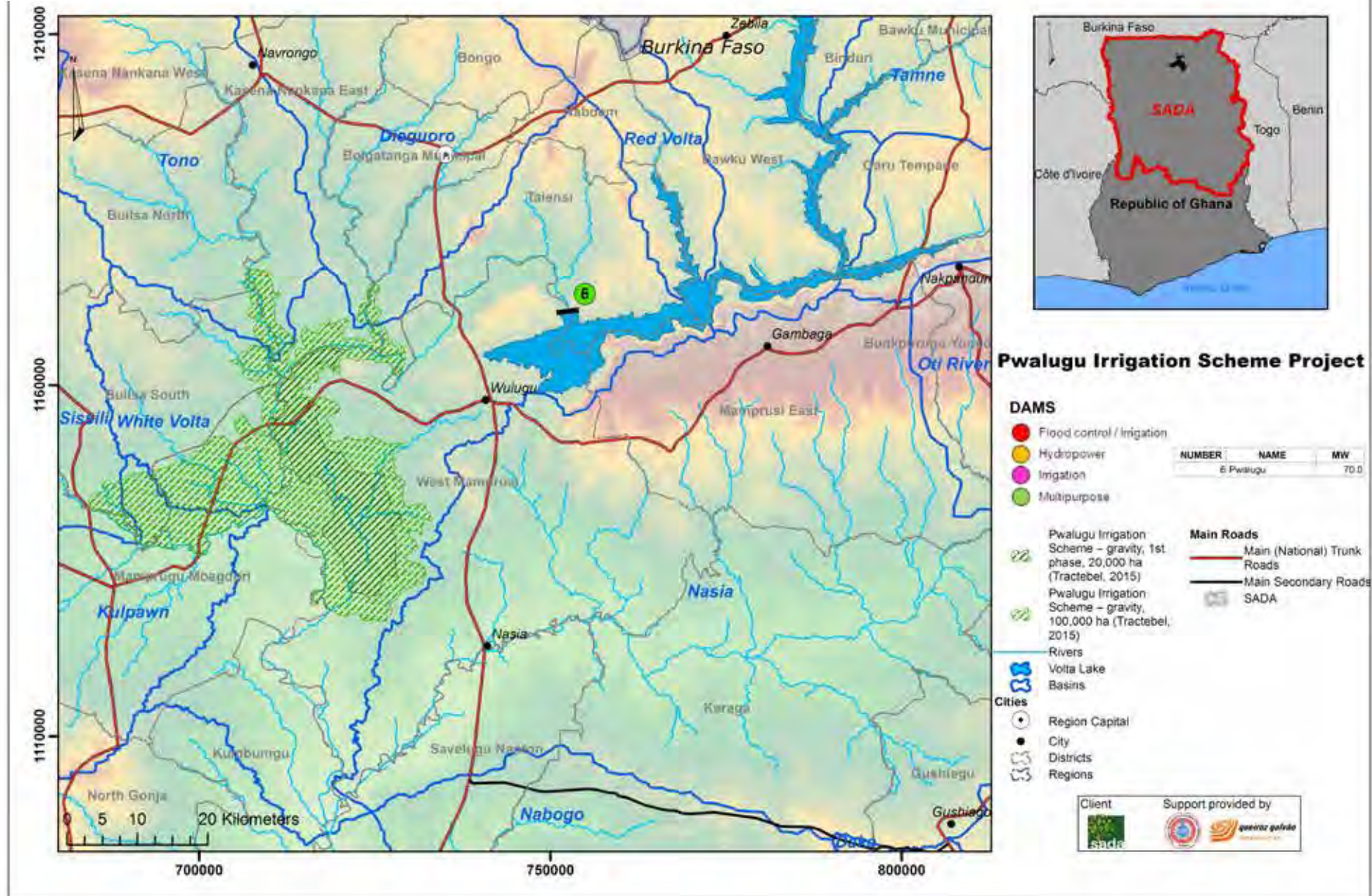
IRRIGATION SCHEME, POWER AND AQUACULTURE PROJECT PORTFOLIO

DAKA VALLEY IRRIGATION SCHEME PROJECT - (GIDA, 2012)



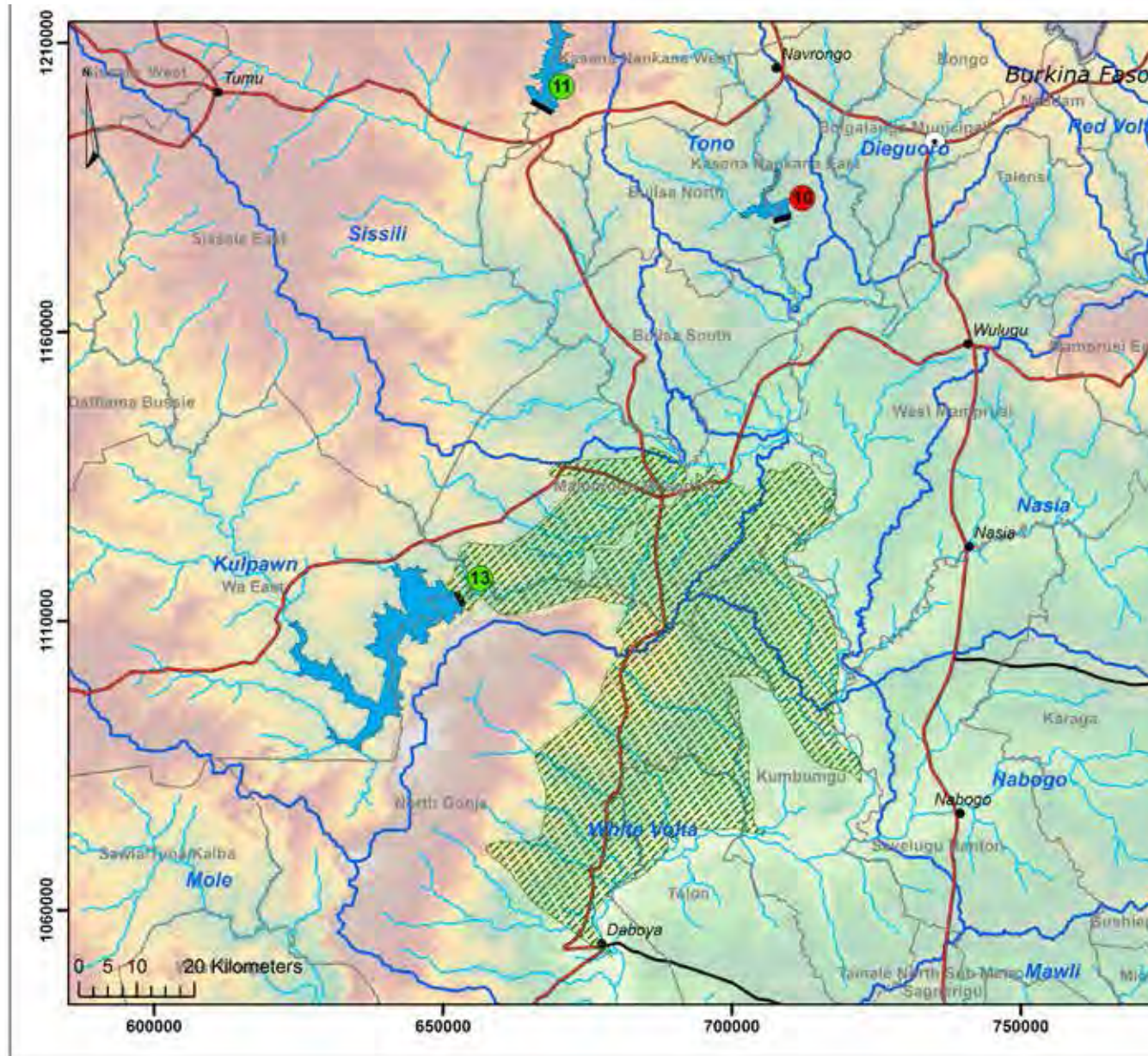
IRRIGATION SCHEME, POWER AND AQUACULTURE PROJECT PORTFOLIO

PWALUGU IRRIGATION SCHEME PROJECT



IRRIGATION SCHEME, POWER AND AQUACULTURE PROJECT PORTFOLIO

FUMBISI VALLEY IRRIGATION SCHEME PROJECT - GRAVITY
 (LAND AND WATER SURVEY IN THE UPPER AND NORTHERN REGIONS OF GHANA - 1968, FAO, UNDP)



Fumbisi Valley Irrigation Scheme Project – gravity (Land and Water Survey in the Upper and Northern Regions of Ghana - 1968, FAO, UNDP)

DAMS

- Flood control / Irrigation
- Hydropower
- Irrigation
- Multipurpose

NUMBER	NAME	MW
10	Tono 2	
11	Sissili 1	22.0
13	Kulpawn 1	7.0

- Irrigable Areas
- Main Roads
 - Main (National) Trunk Roads
 - Main Secondary Roads
- Reservoirs
- Rivers
- Volta Lake Basins
- Cities
 - Region Capital
 - City
 - Districts
 - Regions
- SADA

Client: Support provided by:

