### EXPANSION OF THE PEDRO PLAINS IRRIGATION SYSTEM USING SURFACE FLOWS FROM THE BLACK RIVER

# CARTOGRAPHIC ATLAS ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

MARCH 2024

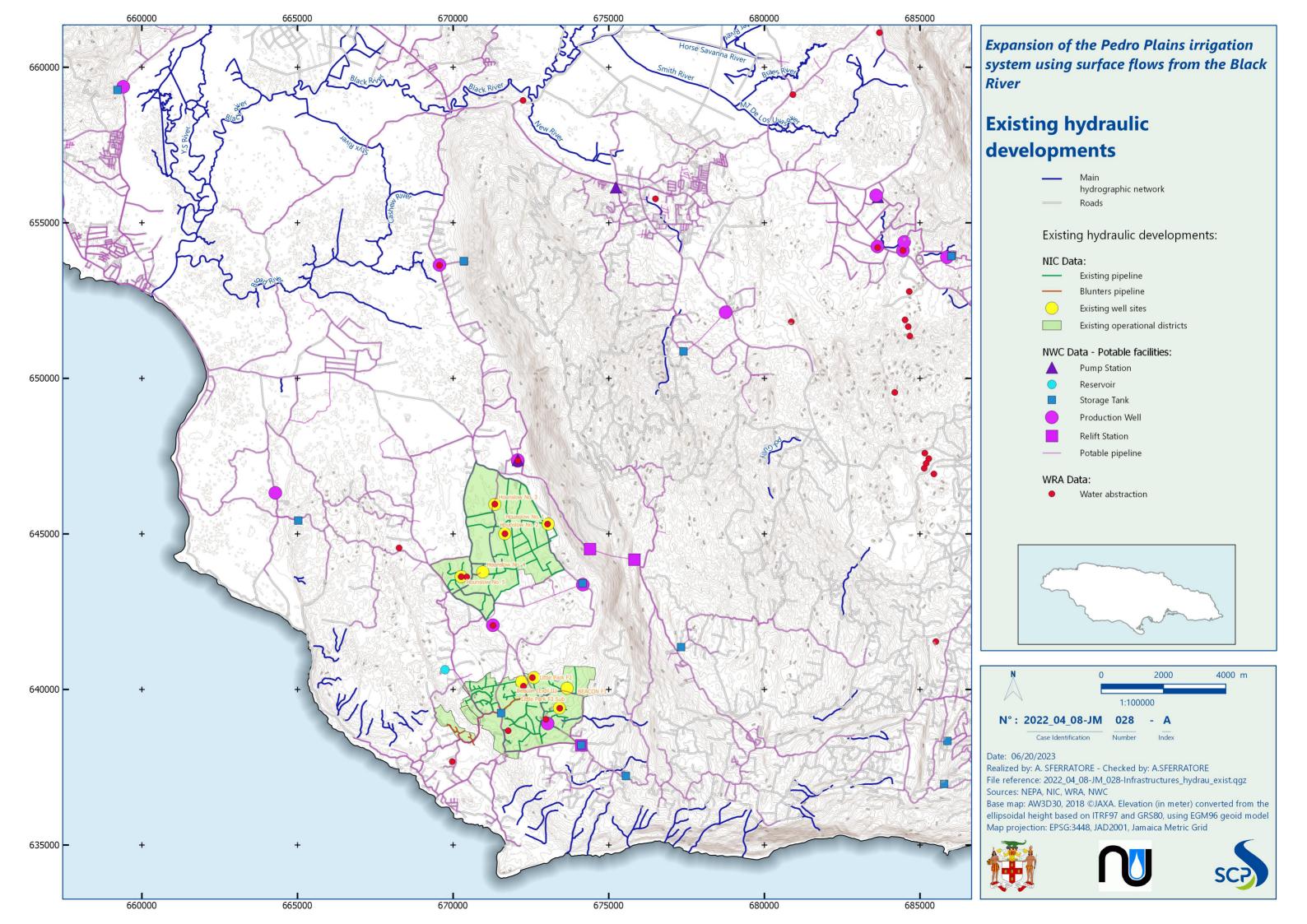
CLIENT NAME: NATIONAL IRRIGATION COMMISSION LTD

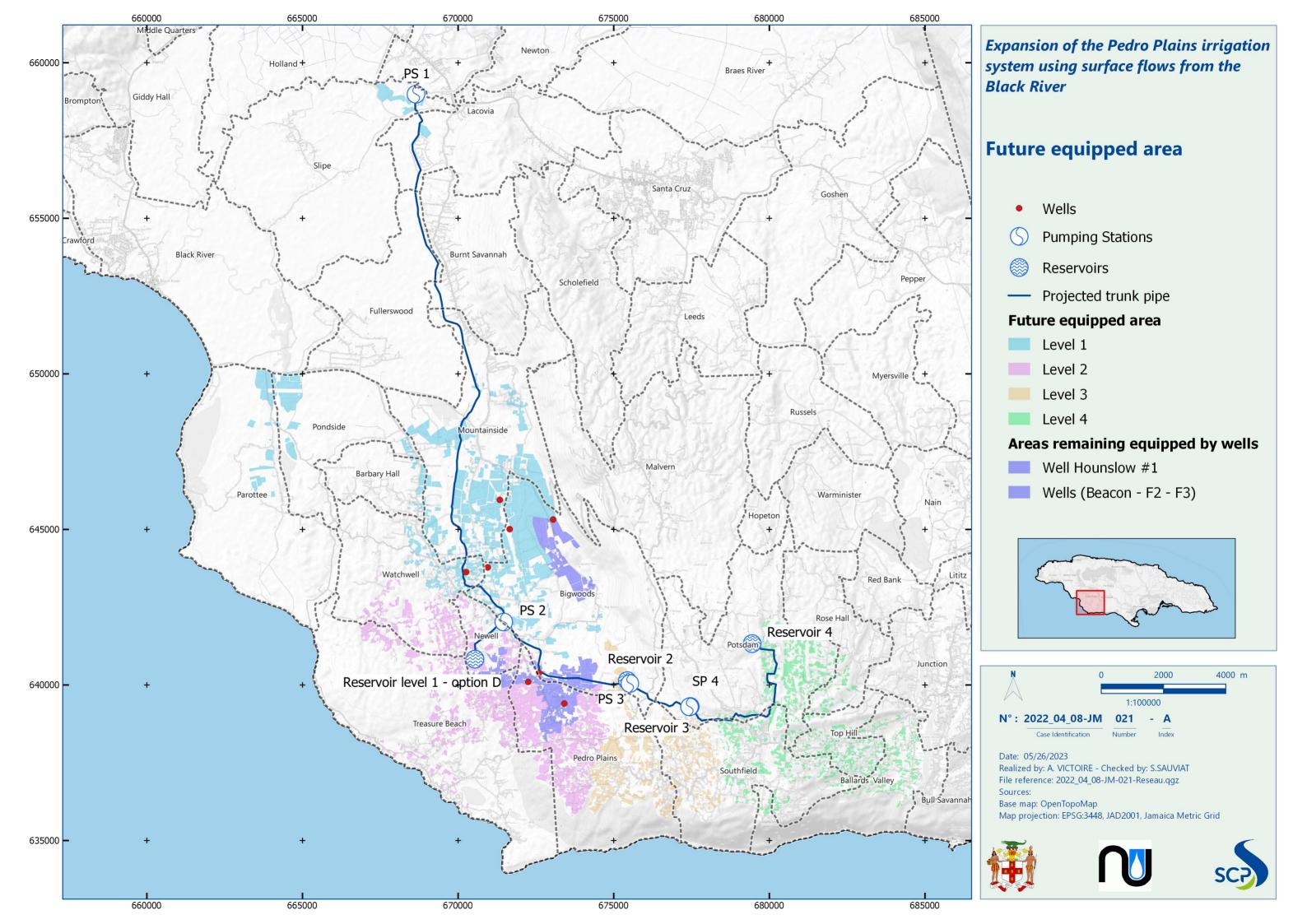
TITLE: EXPANSION OF THE PEDRO PLAINS IRRIGATION SYSTEM USING SURFACE FLOWS FROM THE BLACK RIVER ENVIRONMENTAL IMPACT ASSESSMENT

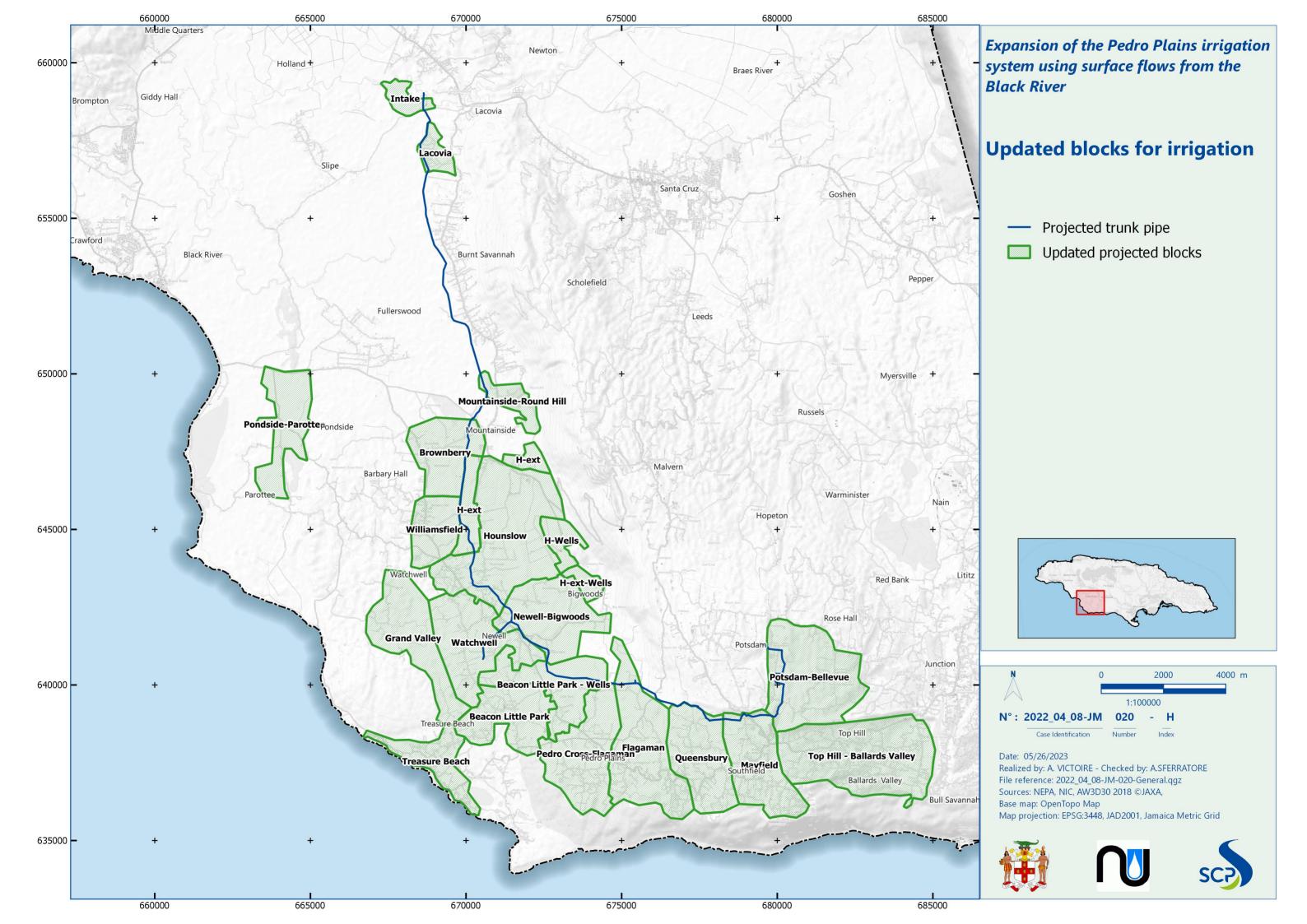
REF. PROJECT: 2022\_04\_08-JM-ETU-EIA PEDRO PLAINS

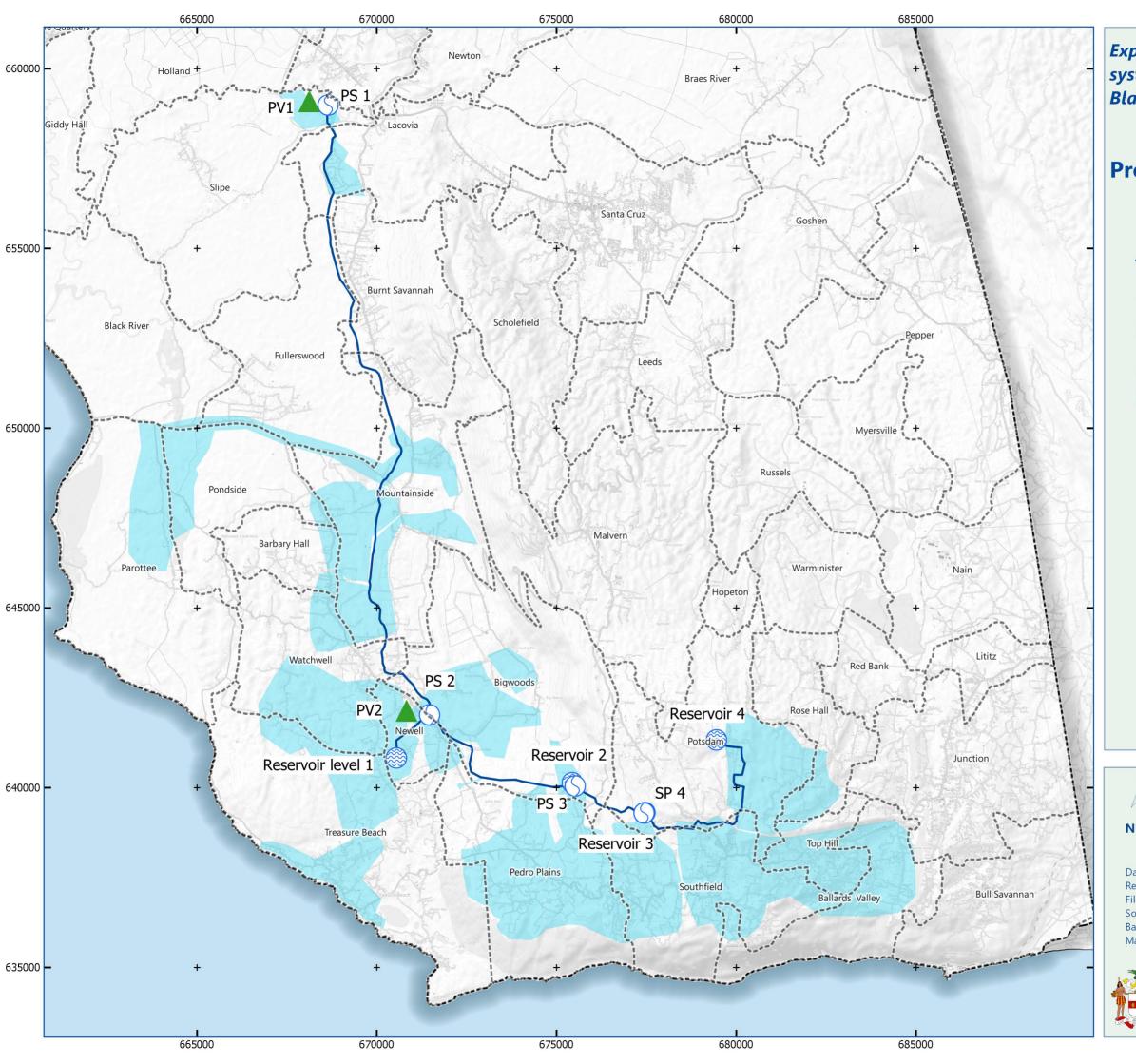
## MAP LIST

Plan number	Title
001	EXISTING IRRIGATION INFRASTRUCTURES
002	FUTURE EQUIPPED AREAS
003	DISTRIBUTION SECTORS
004	GENERAL INFRASTRUCTURE MAP
005	GENERAL INFRASTRUCTURE MAP – ZOOM NORTH
006	GENERAL INFRASTRUCTURE MAP – ZOOM SOUTH
007	PHOTOVOLTAIC PLANT PV1 MAP
008	PHOTOVOLTAIC PLANT PV2 MAP
009	GEOLOGY OF THE AREA
009A	HYDROSTRATIGRAPHY MAP
009B	SOIL ROOT LIMIT MAP
009C	PEDOLOGICAL MAP
009D	SOIL MOISTURE MAP
009E	SOIL EROSION MAP
009F	SOIL DRAINAGE MAP
010	WATER QUALITY SAMPLING POINTS
011	AIR AND NOISE LEVEL SAMPLING POINTS
012	POPULATION DENSITY
013	POVERTY RATE
014	WATER SUPPLY
015	MEDICAL FACILITIES
016	SOCIAL CHALLENGE FOR THE COMMUNITY
017	LAND USE MAP
018	PROJECTED LAND ACQUISITION - NORTH
019	PROJECTED LAND ACQUISITION - SOUTH







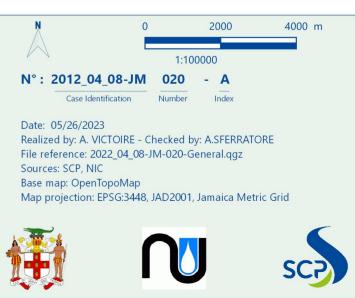


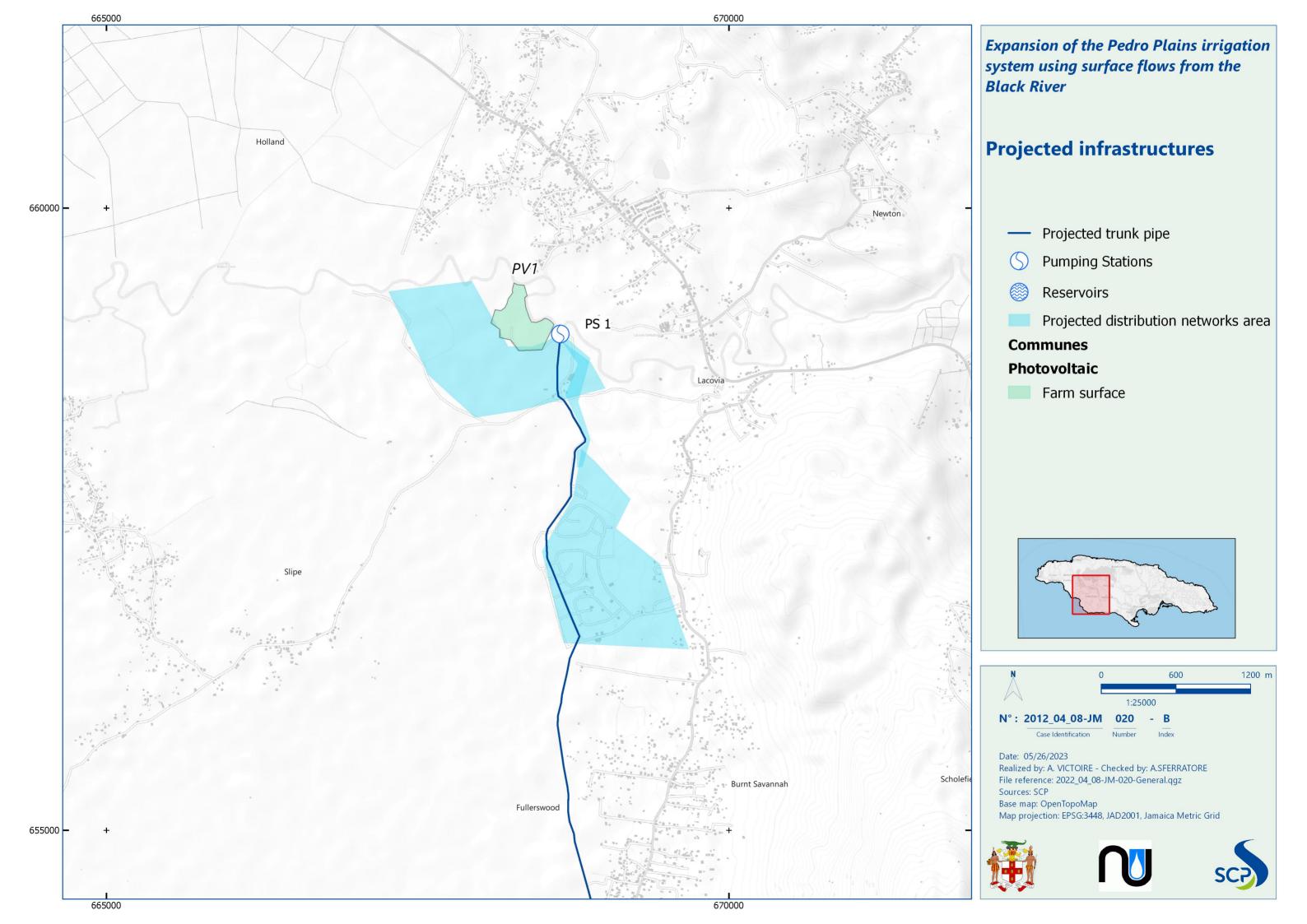
Expansion of the Pedro Plains irrigation system using surface flows from the Black River

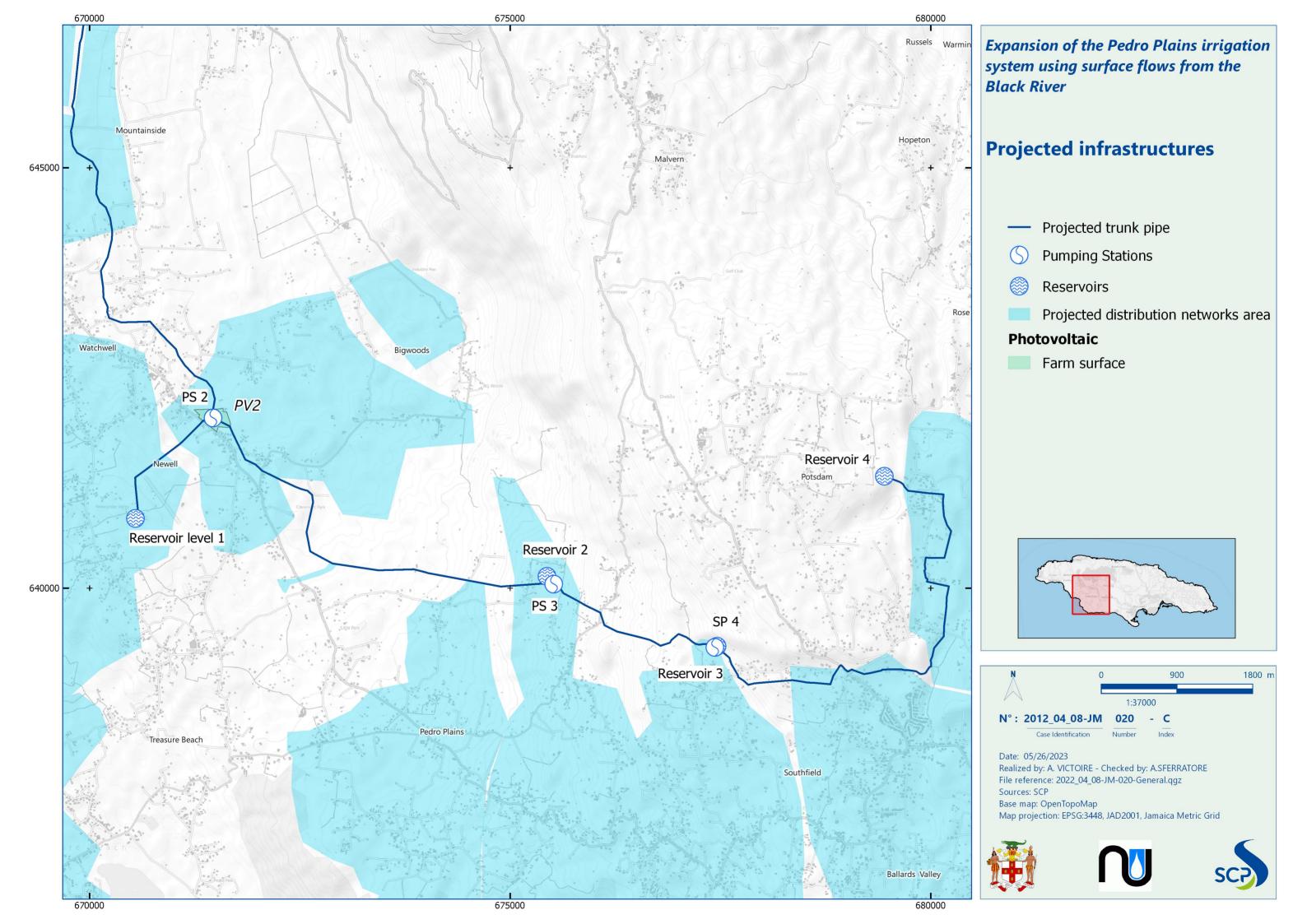
## **Projected infrastructures**

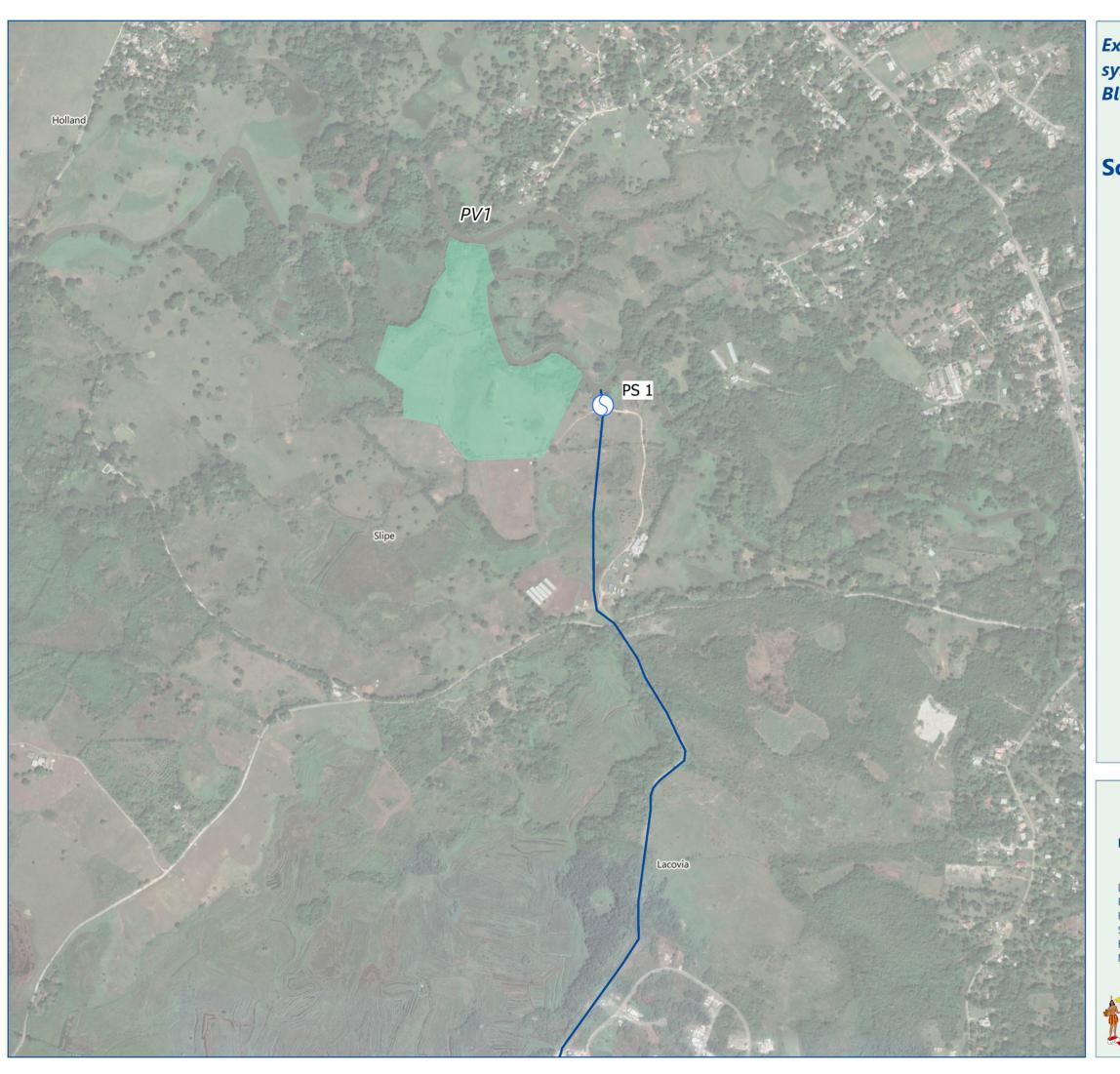
- Projected trunk pipe
- Second Pumping Stations
- Reservoirs
- A Photovoltaic farm
- Projected irrigation networks area











Expansion of the Pedro Plains irrigation system using surface flows from the Black River

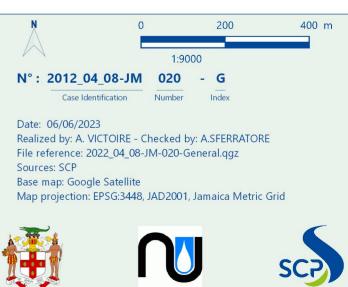
#### **Solar farm location**

Projected trunk pipe

Pumping Stations

Photovoltaic farm surface







Expansion of the Pedro Plains irrigation system using surface flows from the Black River

#### **Solar farm location**

Projected trunk pipe



Pumping Stations



PV2 farm surface





