



Kementerian Utiliti
S A R A W A K

Leaving No One Behind: Expanding Clean Water Supplies to Rural Population in Sarawak

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25th August, 2020

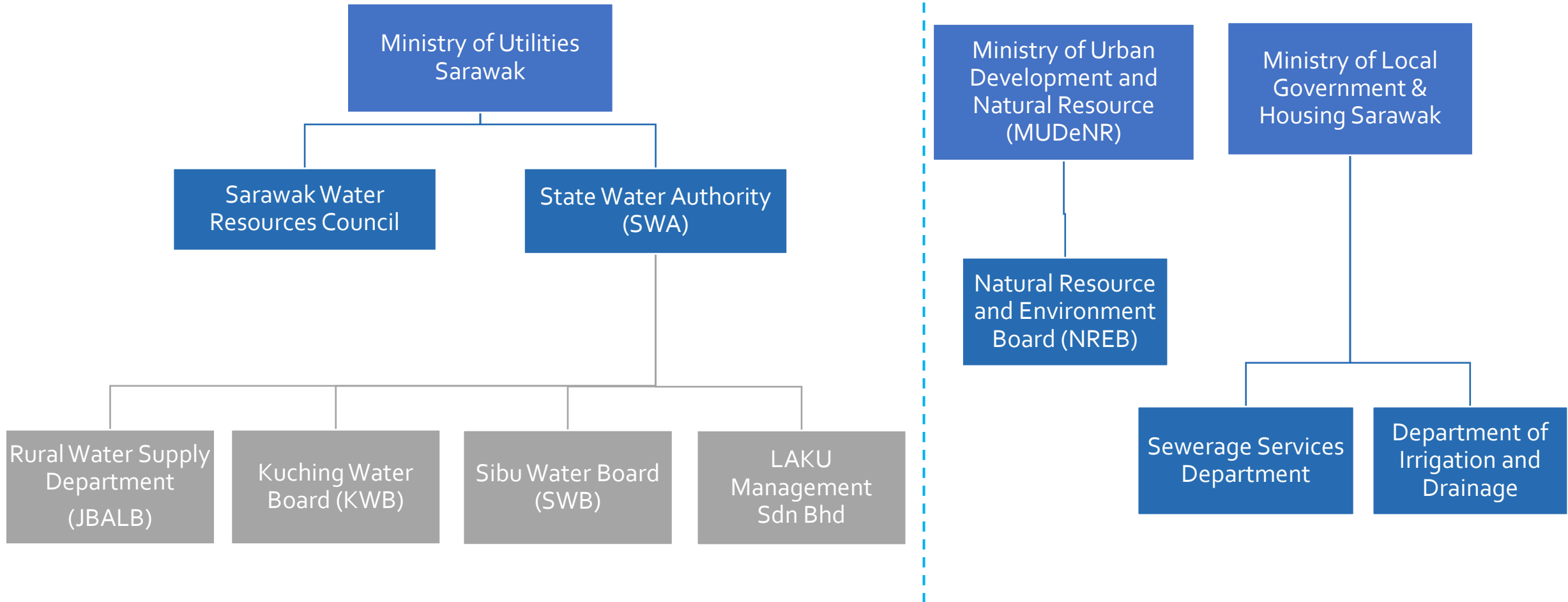


Outline

1. Introduction of the Sarawak Water Supply
2. Discuss on the Water Supply Development in the State
3. Challenges and Way Forward

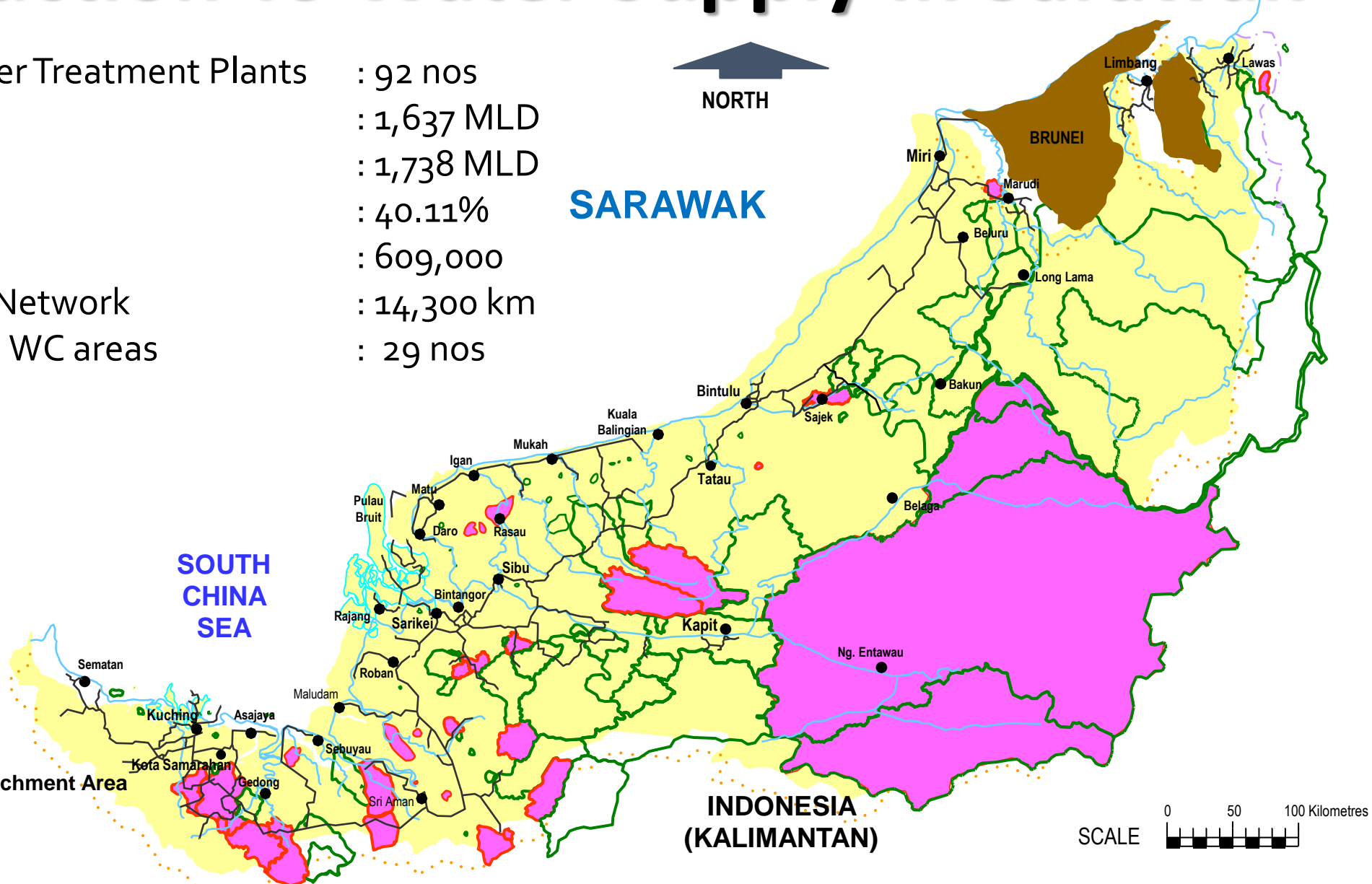


Sarawak Water Authority



Introduction To Water Supply In Sarawak

Total Number of Water Treatment Plants	: 92 nos
Total Capacity	: 1,637 MLD
Demand	: 1,738 MLD
Non Revenue Water	: 40.11%
Nos. Water Meters	: 609,000
Total Length of Pipe Network	: 14,300 km
Total No. of Gazetted WC areas	: 29 nos





Rajang River





Leaving No One Behind: Expanding Clean Water Supplies to Rural Population in Sarawak

Ministry of Utilities Vision & Mission

Vision

**100% Utilities Coverage In Sarawak
By 2025.**

Mission

We Lead and Regulate the Provision
of Quality, Affordable and
Sustainable Utilities in the State.

Water Supply Coverage

Current
Water Supply
Coverage

- Overall : 82.9 %
- Urban Area: 99 %
- Rural Area : 65.5%

State
Target

- Towards 100%
by 2025

Strategic Plans Sarawak Economic Vision



ASPIRATION







OUTCOME

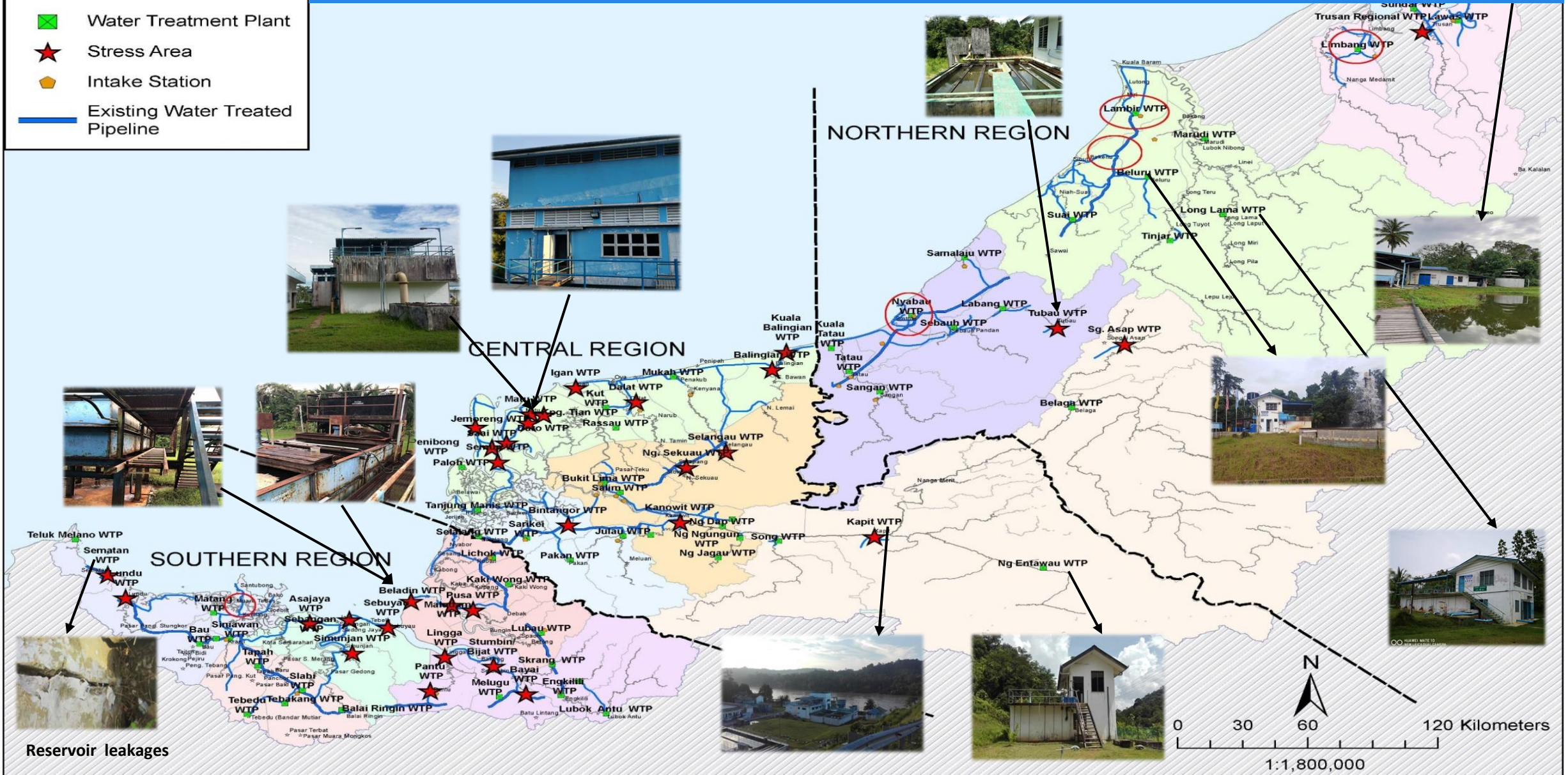


LEVERS

Phase 1: Short Term Solution

Legend

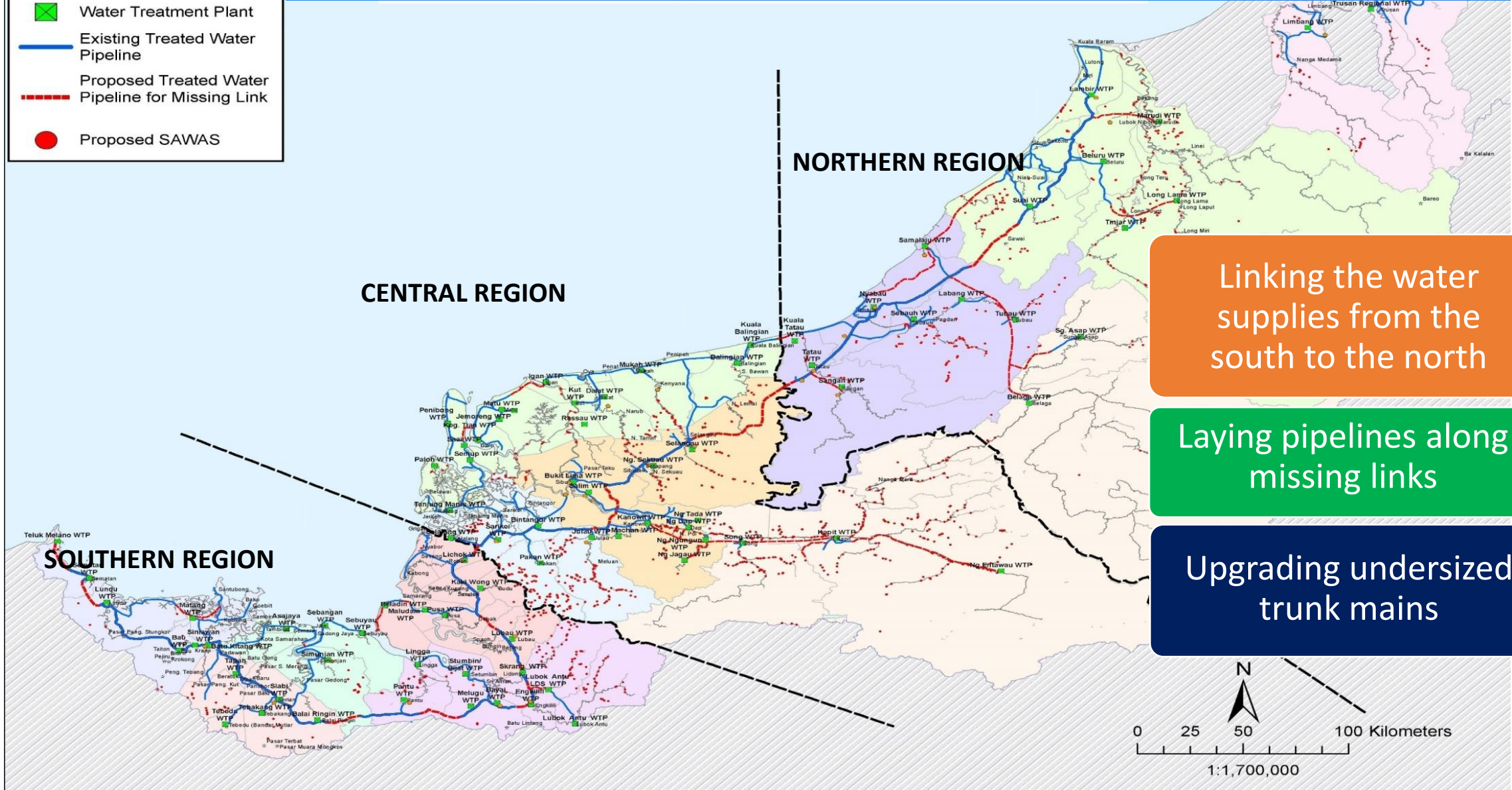
-  Water Treatment Plant
-  Stress Area
-  Intake Station
-  Existing Water Treated Pipeline



Phase 2: Medium Term Solution

Legend

- Intake Station
- Water Treatment Plant
- Existing Treated Water Pipeline
- Proposed Treated Water Pipeline for Missing Link
- Proposed SAWAS



Linking the water supplies from the south to the north

Laying pipelines along missing links

Upgrading undersized trunk mains

Phase 3: Long Term Solution



Water Stressed Areas



Water Stressed Areas



Long Lama



Merapok WTP



Long Lama



Long Lama WTP



Merapok WTP

Water Stressed Areas



Projek Rakyat



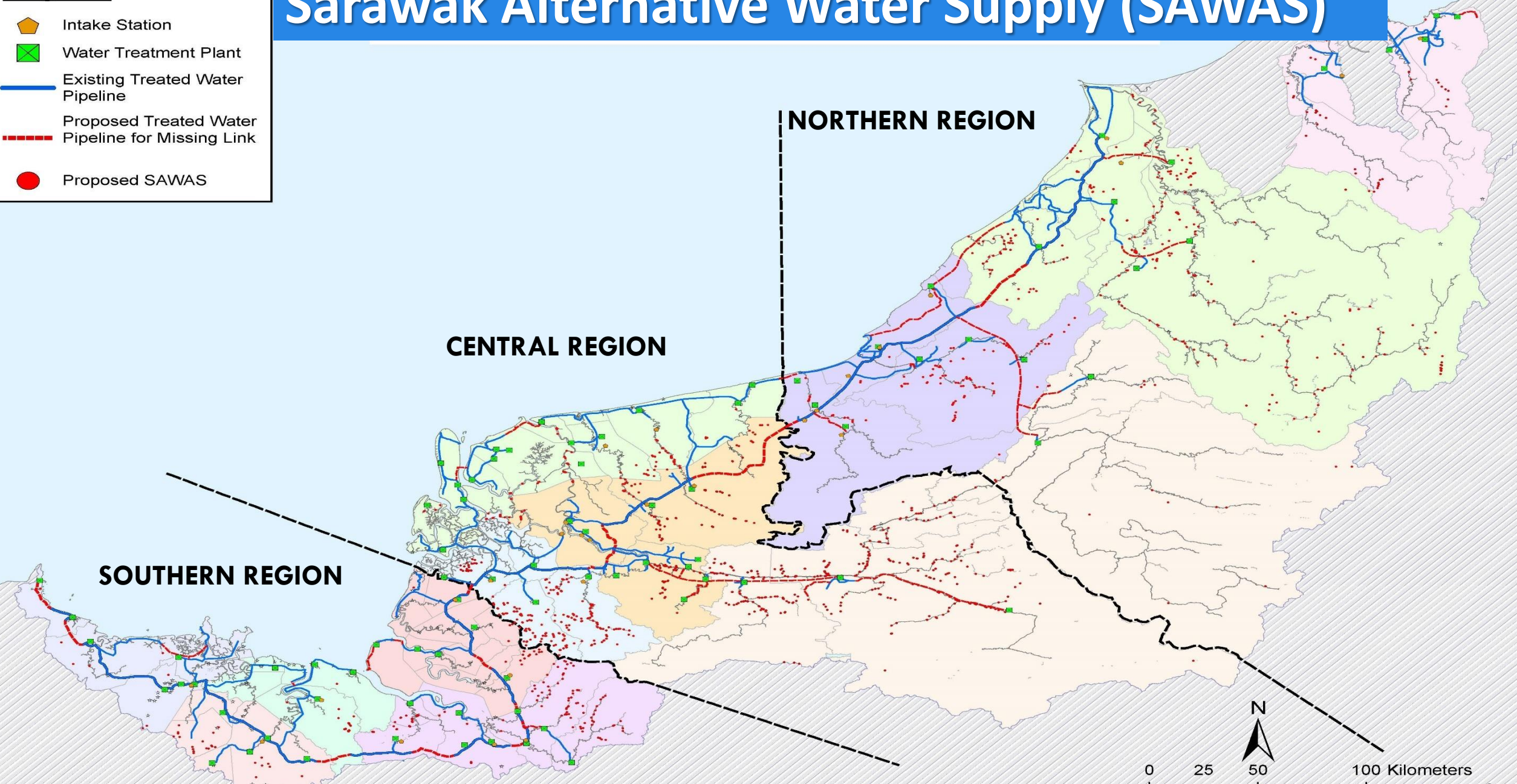
Projek Rakyat



Sarawak Alternative Water Supply (SAWAS)

Legend

- Intake Station
- Water Treatment Plant
- Existing Treated Water Pipeline
- Proposed Treated Water Pipeline for Missing Link
- Proposed SAWAS



Phase 1 - SAWAS



Phase 1 - SAWAS



Phase 1 - SAWAS



Phase 1 - SAWAS



Phase 2 - SAWAS



Phase 2 - SAWAS



Rh Linggong ak Kudu








Rh Gani, Wong Bar, Sg Kanowit

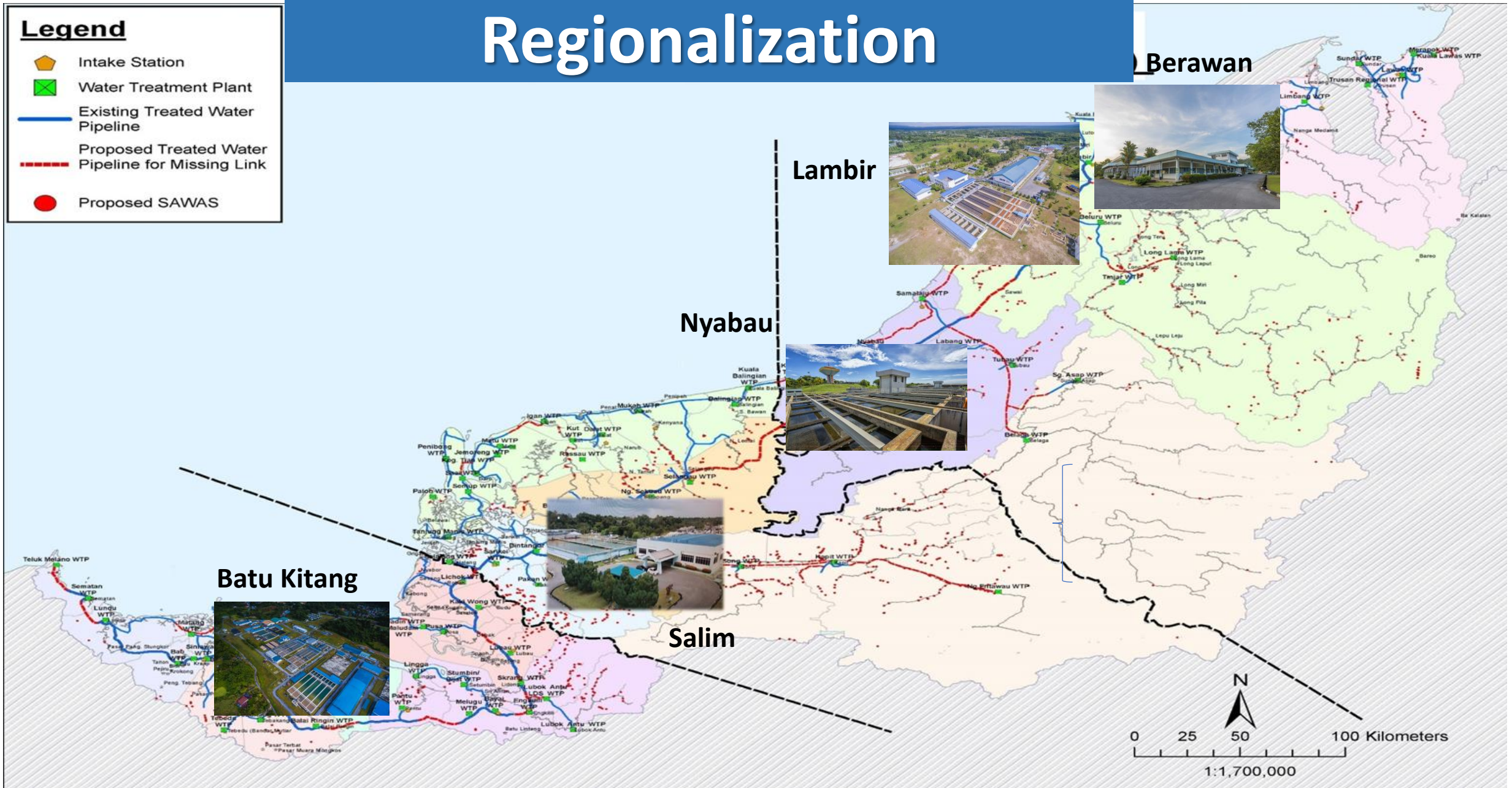


Uma Badeng, Long Busang, Belaga

Legend

-  Intake Station
-  Water Treatment Plant
-  Existing Treated Water Pipeline
-  Proposed Treated Water Pipeline for Missing Link
-  Proposed SAWAS

Regionalization

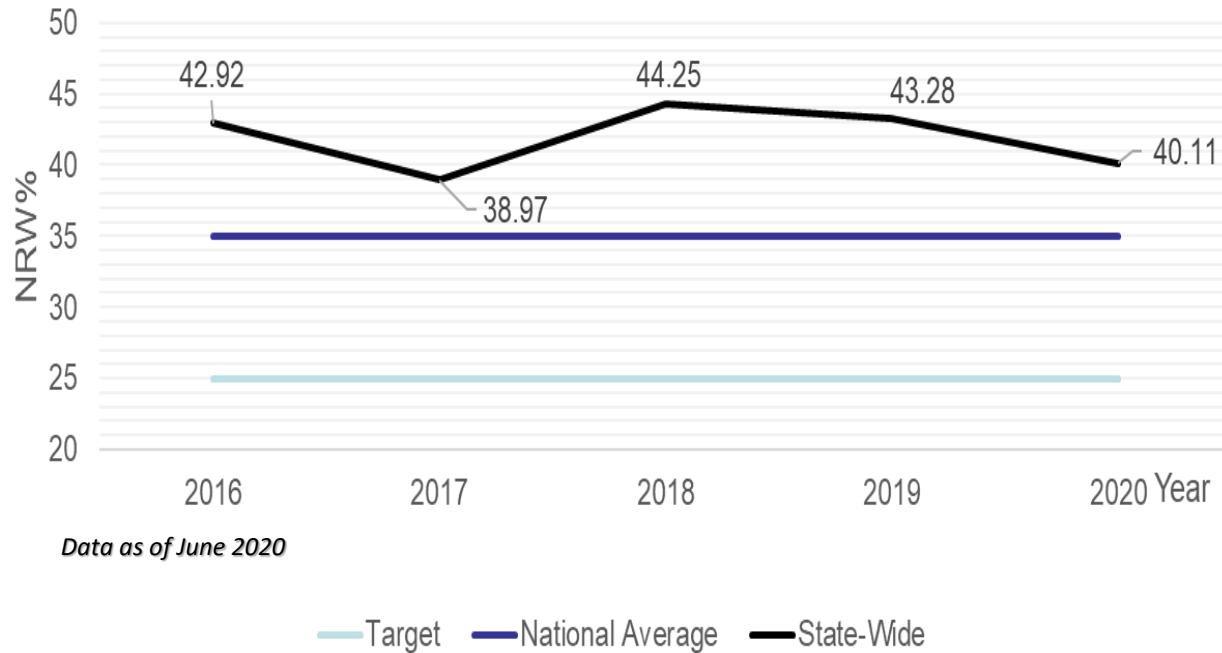


Raw Water Resources Management



Sika Dam, raw water storage for Nyabau

NRW Management



(1)
Training
Program

(2)
Establish District
Metering Areas

(3)
Active Leakage
Control

(4)
Pressure
Management

(5)
Pipelines &
Assets
Management

(6)
Speed & Quality
of Repairs

(7)
Meter
Replacement
Programs

(8)
Strengthening
Enforcement
Activities

(9)
Public
Awareness

(10)
GIS & Network
Modelling



Dialogue Session at Rh Robert, Suai Miri





Samarahan



Samarahan



Mukah



Kanowit, Sibiu



Projek Rakyat Launching in Sibu





Projek Rakyat Launching in Bau





Projek Rakyat Launching in Serian

Site Visit to RBF Sg Maaw, Tanjung Manis





Site Visit to Bengoh Dam



World Water Day 2017





Water Supply Strategic Planning Workshop 2017



Ministry of Utilities



*“No man, woman, and child should ever have to carry a pail of water from the river”
- Dato Ir. Alice Jawan*





Director, JBALB



**General Manager,
SWB**



**Acting General
Manager, KWB**



Acting CEO, LAKU

THANK YOU



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