



NATION WIDE PUBLIC WATER POINT MAPPING

Year 2006 - 2012

NOVEMBER 6, 2014
DEPARTMENT OF PUBLIC HEALTH ENGINEERING

Department of Public Health Engineering (DPHE)

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FOREWORD

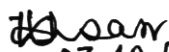
DPHE has been working for supplying safe drinking water and provision of sanitation facilities to the people of Bangladesh since 1926. Since then DPHE has been striving hard to ensure safe potable drinking water for all with the assistance of other development partners of the sector. After detection of Arsenic in ground water in 1993, new challenge emerged in drinking water supply sector. DPHE is still working hard to mitigate arsenic problems from ground water through providing safe water to the people of Bangladesh.

During implementation of GOB-UNICEF project, DPHE initiated unique coding system for water points installed under the project to introduce better water point management in the sector. As a follow up of the said initiative, with the financial support from UNICEF, DPHE conducted a survey to gather information on water quality and status of water points installed during 2006 to 2012 under different DPHE projects.

The data collected under the survey, thereby analyzed and a report prepared with the technical assistance of the Department of Geology, University of Dhaka. The output based on the present status of water points presented in district wise maps. These will help DPHE and other sector partners to understand the performance and status of functioning of different water supply options and for effective project planning & monitoring.

It is highly appreciated for timely initiatives taken from DPHE Planning Circle, Ground Water Circle, Feasibility Study & Design Circle and MIS Unit of DPHE for their mutual cooperation and successfully completion of the program. The financial and technical support from UNICEF is thankfully acknowledged.

Hope that, the analysis and outputs of these initiatives will be very useful for the department itself as well as for the partners of WASH sector.


23.10.2014

Khaleda Ahsan

Chief Engineer

Department of Public Health Engineering



PREFACE

Water Point Mapping (WPM) can be defined as an ‘exercise through the geographical positions of all public water points in an area are gathered with management, technical and demographical information’.

SHEWA-B (GOB-UNICEF) project was launched in 2006. Under the project around 21,500 water points installed in 76 Upazilla of 19 districts. The project initiates 20 digit water point identification number (ID) during 2011 to manage and maintain data of each water points effectively and efficiently. The Local Government Division, M/O LGRD & Cooperatives approved the coding system of water points introduced in the same year. Later these 21,500 water points checked for arsenic content by the CHPs (Community Health Promoters), who were field level staff of the project. In the course of the program, DPHE first introduced mobile phone based data collection system in 2012 to develop the database.

Following the success under GOB-UNICEF project, DPHE took initiative for water point coding of all other water points installed by DPHE through different projects. As a first initiative DPHE collected information of water points those were installed during (2006-2012) under 1st phase. After verification and validation of the collected data, an initiative was taken to update the status of the installed water points in terms of functionality as well as water quality (i.e. Arsenic). The survey was conducted by 1550 field staff of DPHE (known as mechanic) in 64 districts. The activity was supervised by the Sub-Assistant Engineers/ Assistant Engineers at the field level and monitored by the Executive Engineers of the respective districts. The country wide activity was monitored and managed by a technical committee which was formed by the Chief Engineer, DPHE. The committee includes DPHE's Additional Chief Engineer (Works), Superintending Engineer (Planning Circle), Superintending Engineer (Ground Water Circle), Superintending Engineer (Feasibility Study & Design Circle) and Executive Engineer (Planning). The data collection as well as payment to the field staff was done by using mobile phone technology. The technical support was provided by MIS Unit, DPHE. Around 1, 50,000 water points were surveyed by the mechanics under the program.

MIS/GIS unit of DPHE completed its initial task by cleaning, compiling & managing the whole dataset, which is now ready for future use, analysis and interpretation by the department and other stake holders working in the sector. DPHE with the technical assistance of the Department of Geology, Dhaka University, processed and proposed a set of maps those could help in future water supply project planning and existing project monitoring.

Finally, MIS/GIS unit of DPHE feels that Water Point Mapping data as an entry point for bringing the government and donors in dialogue on how to improve sector performance, accountability and sustainability of water supply systems.



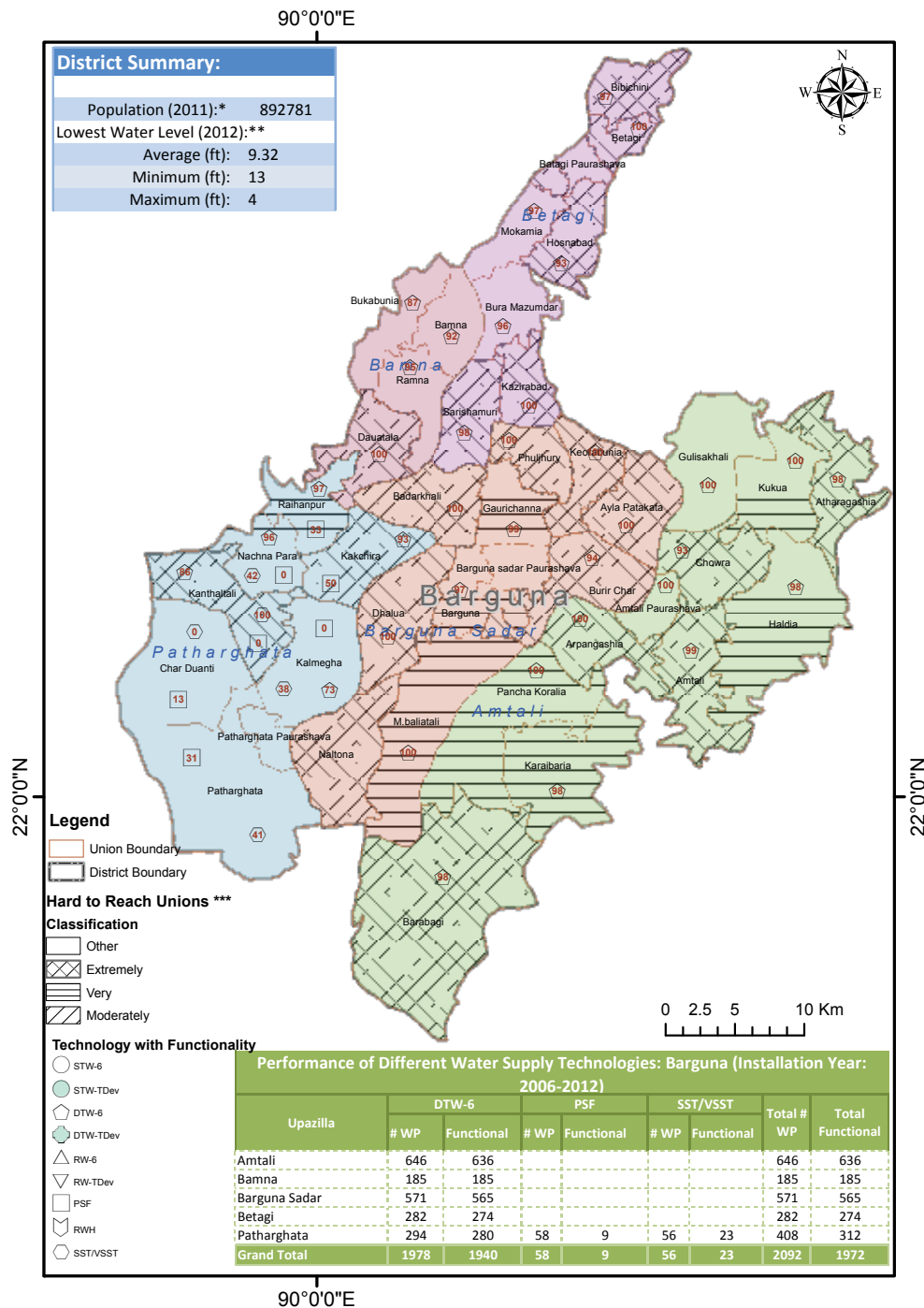
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Division : Barisal

District : Barguna

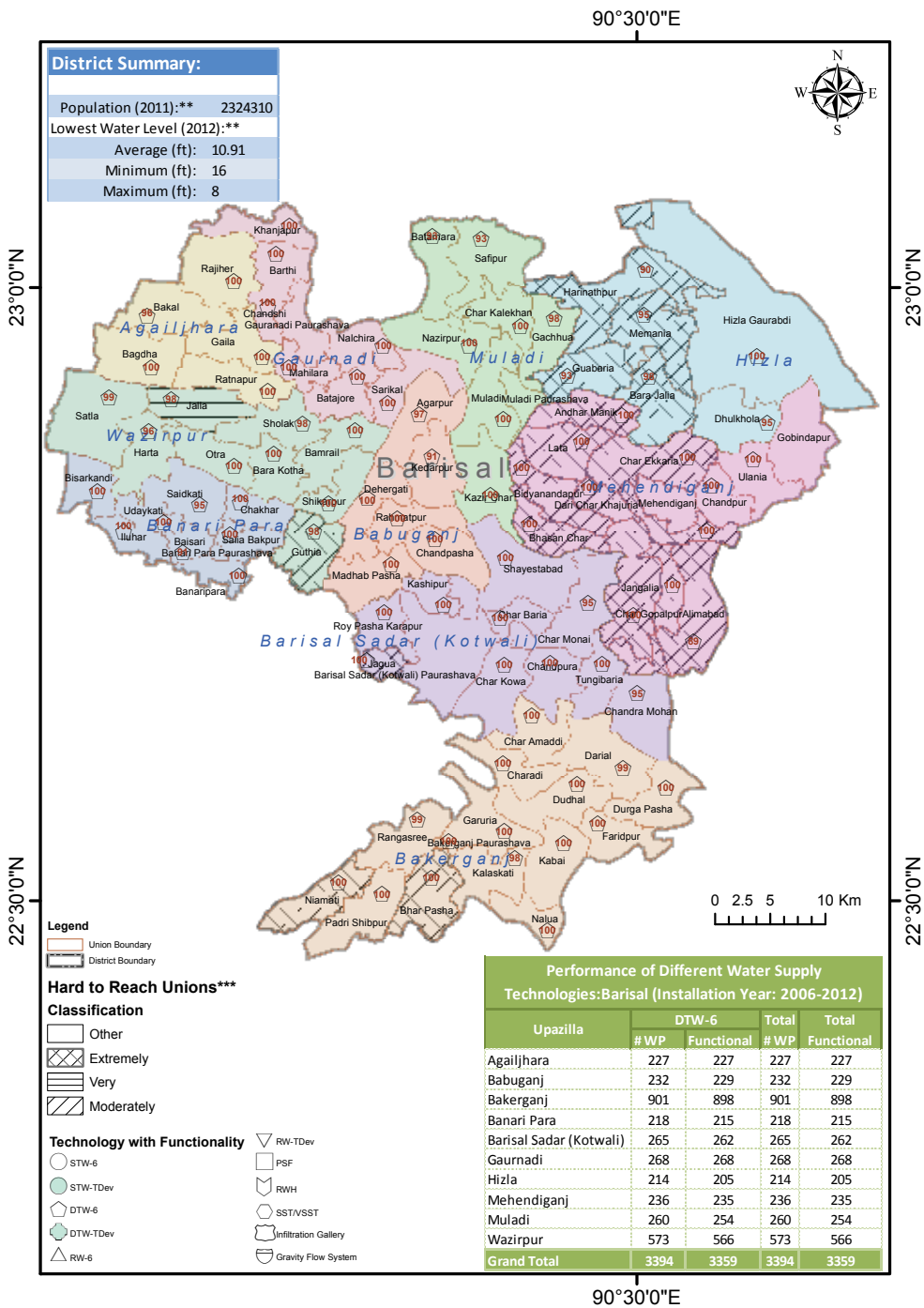


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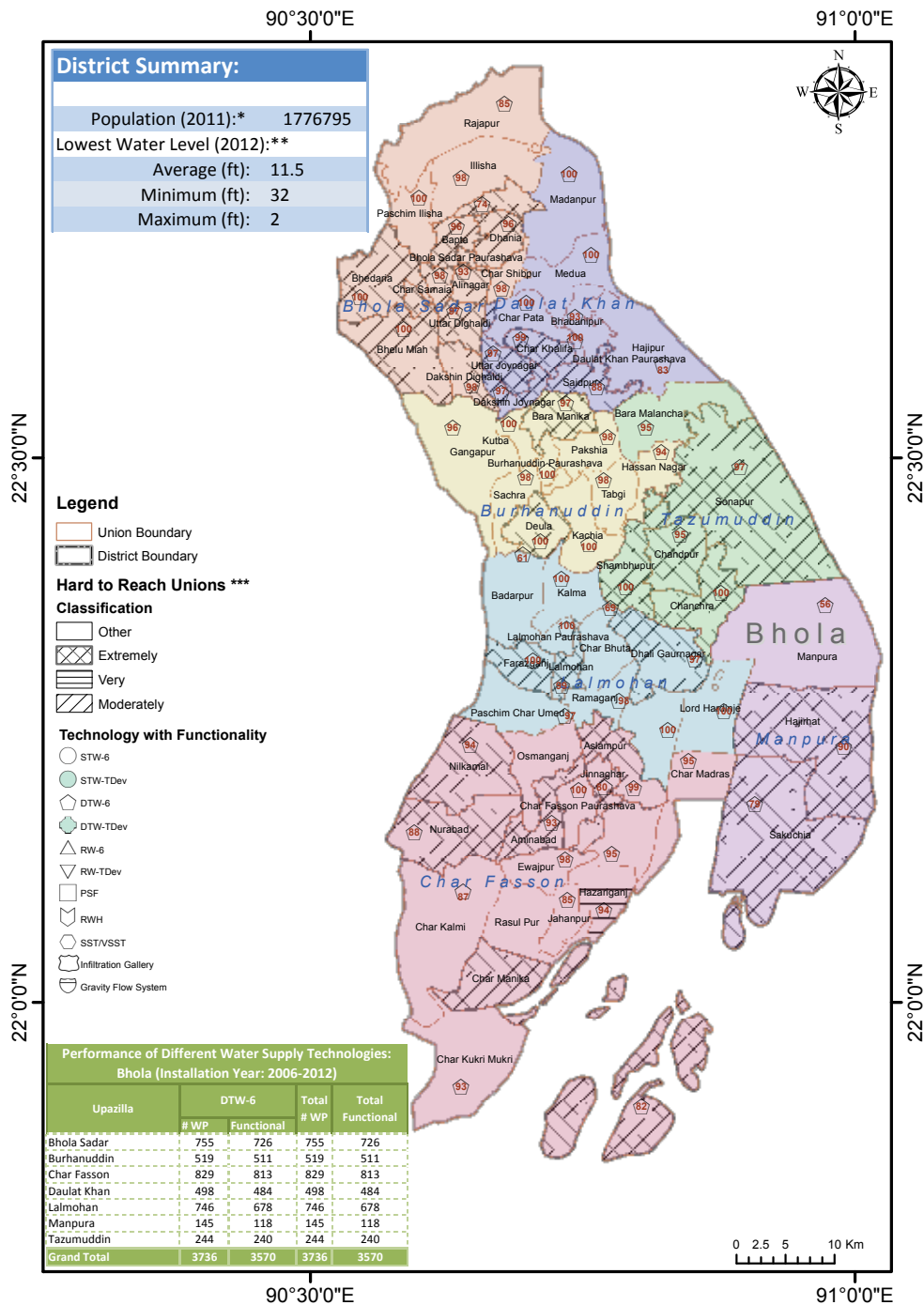
District : Barisal





Division : Barisal

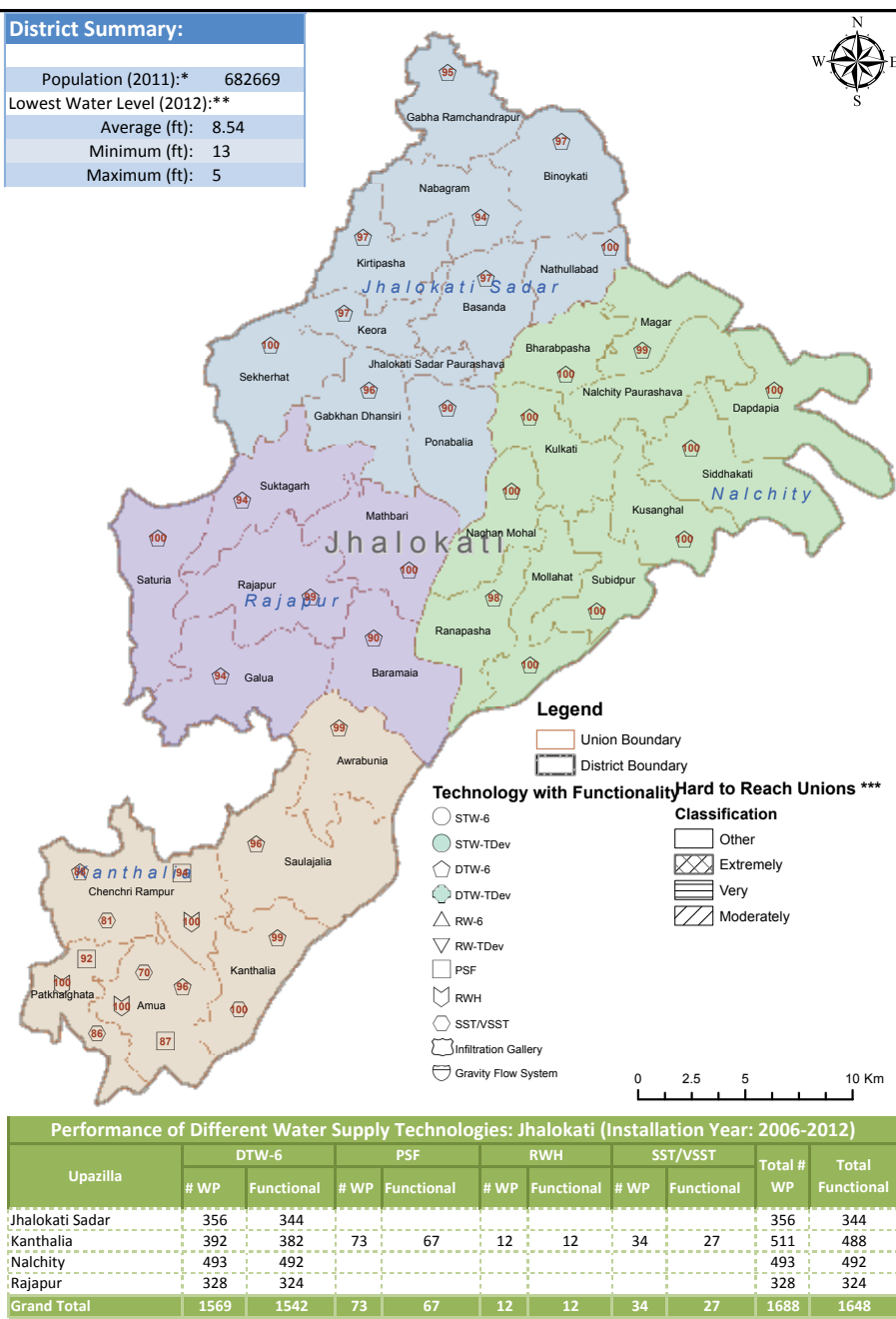
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Division : Barisal

District : Jhalokati

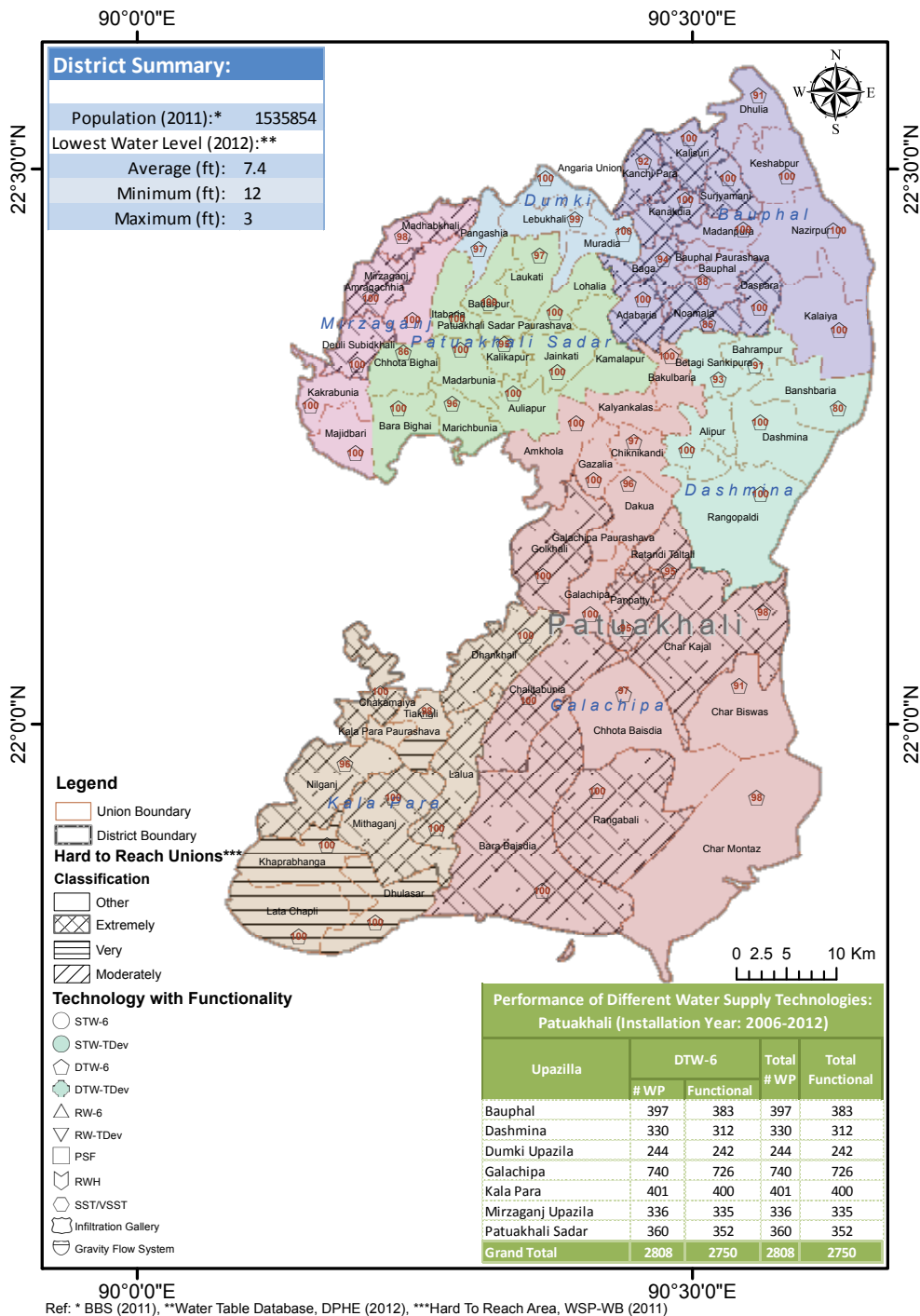


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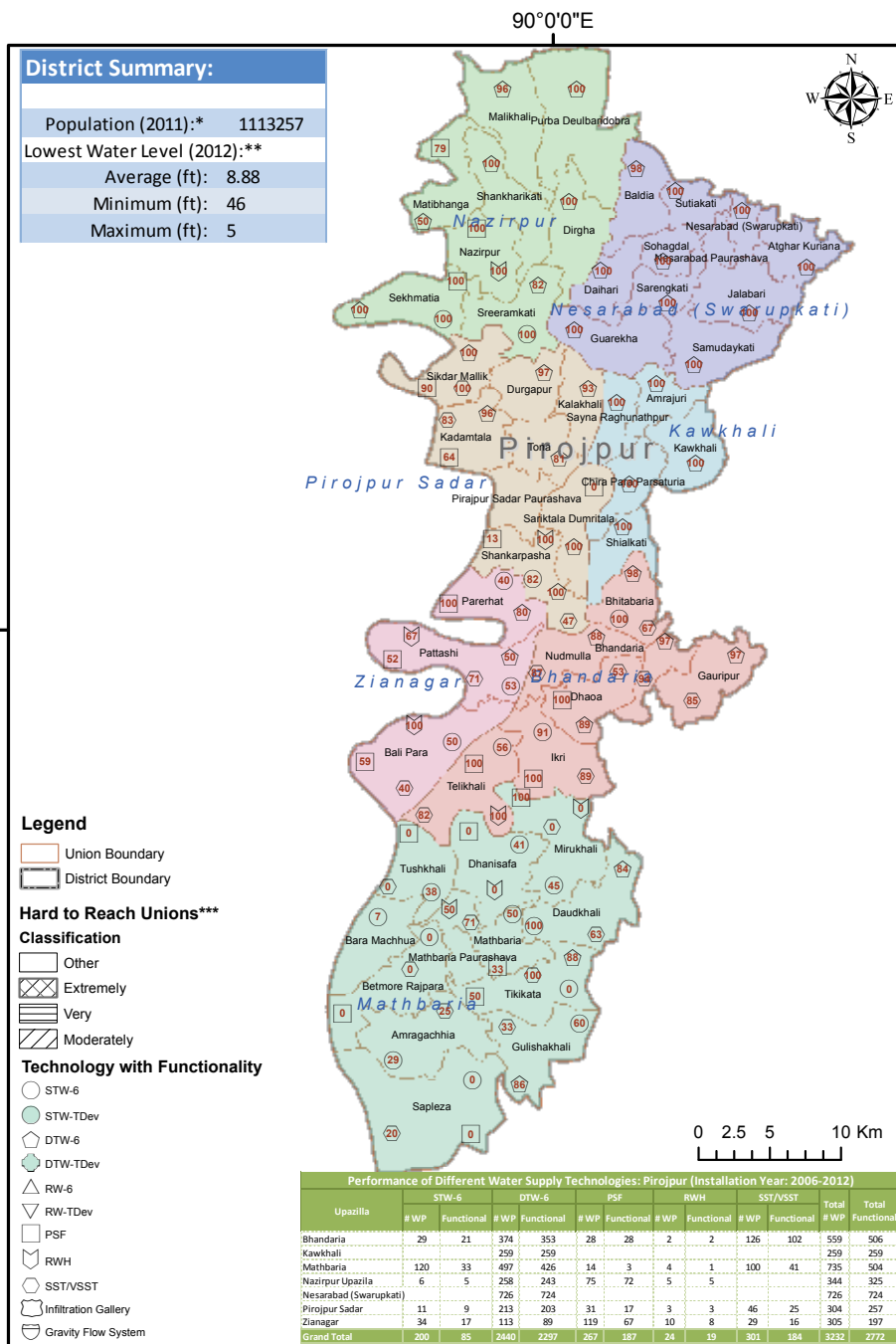
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Division : Barisal

District : Pirojpur

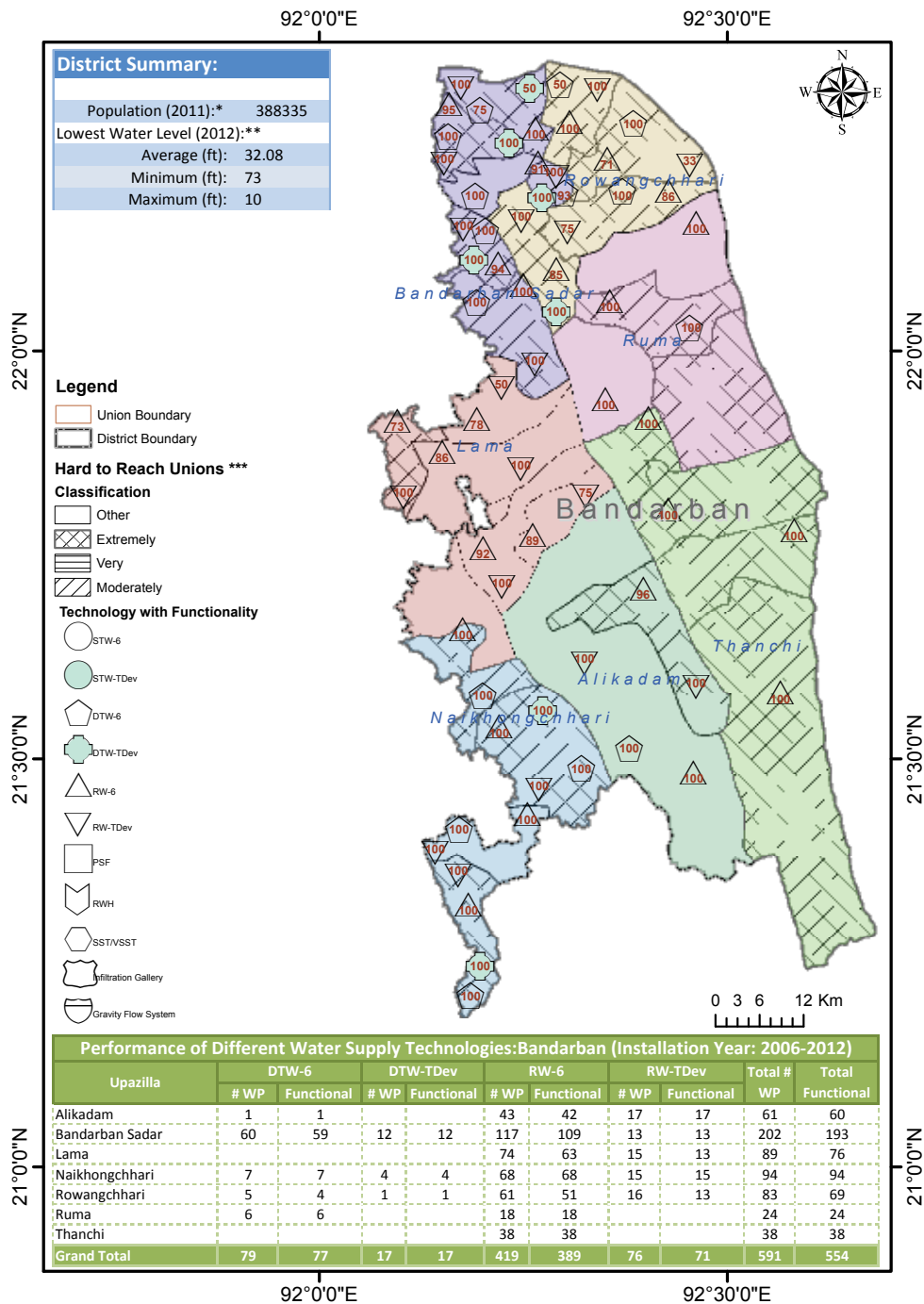


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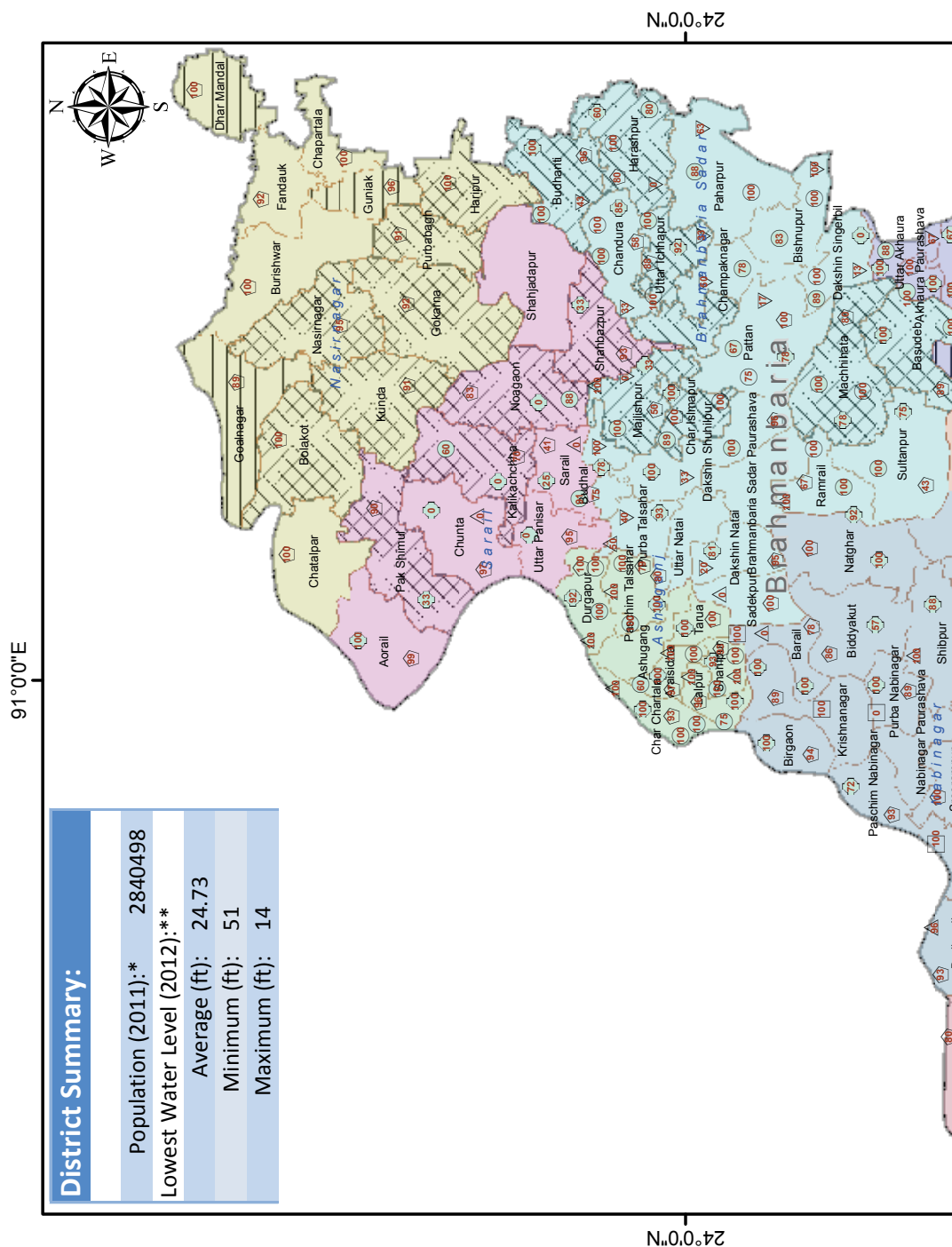
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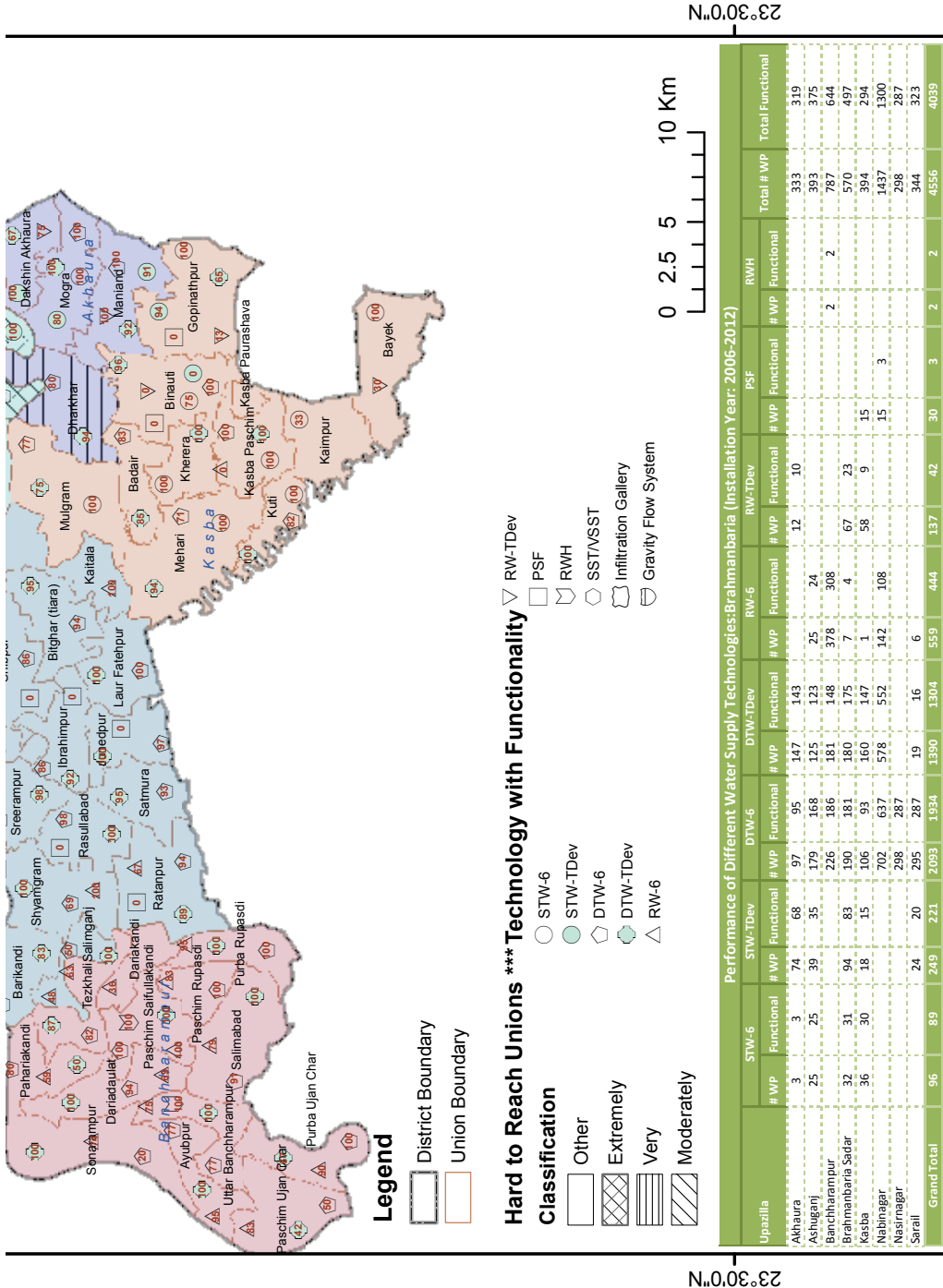
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Division : Chittagong



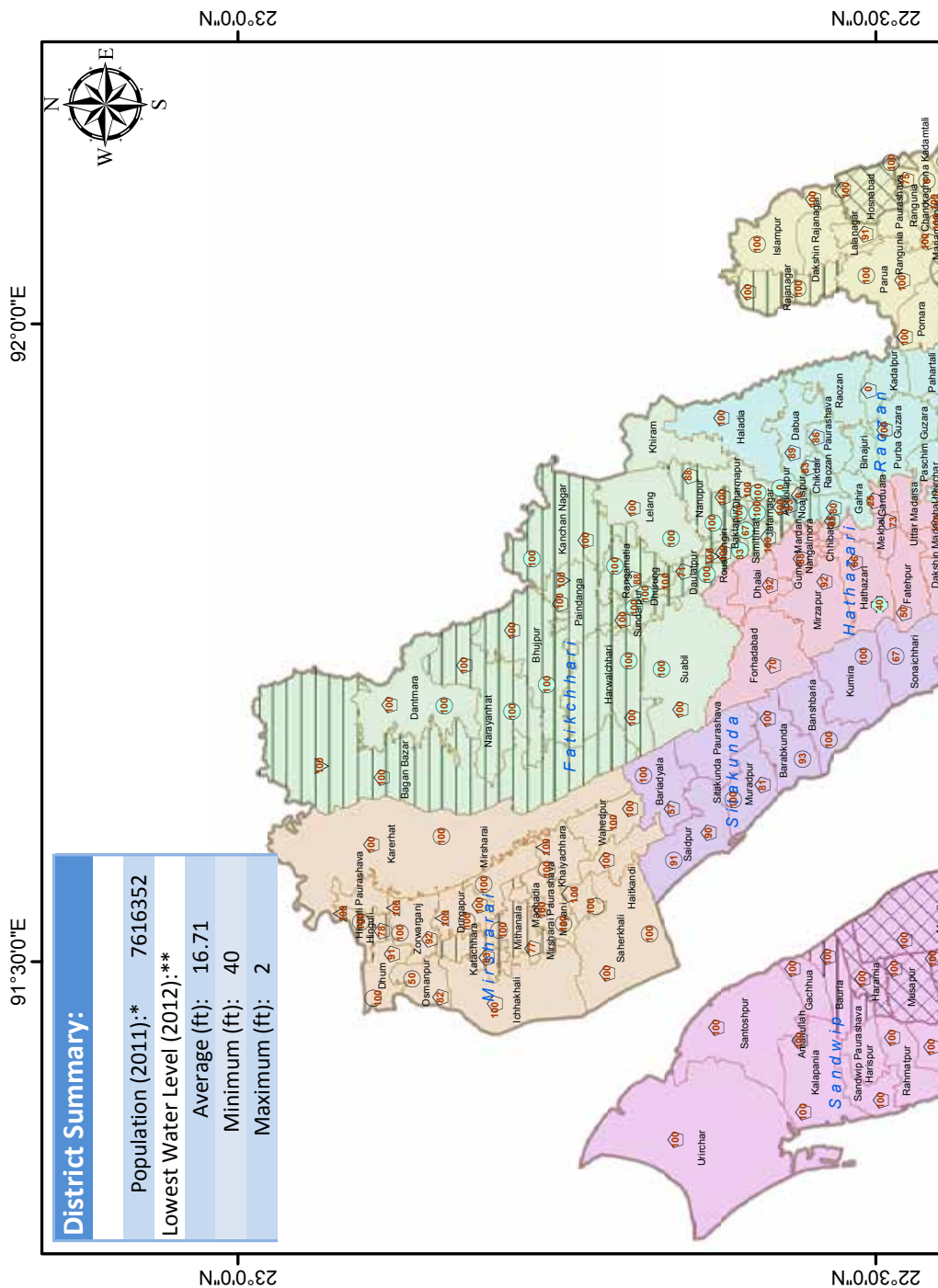
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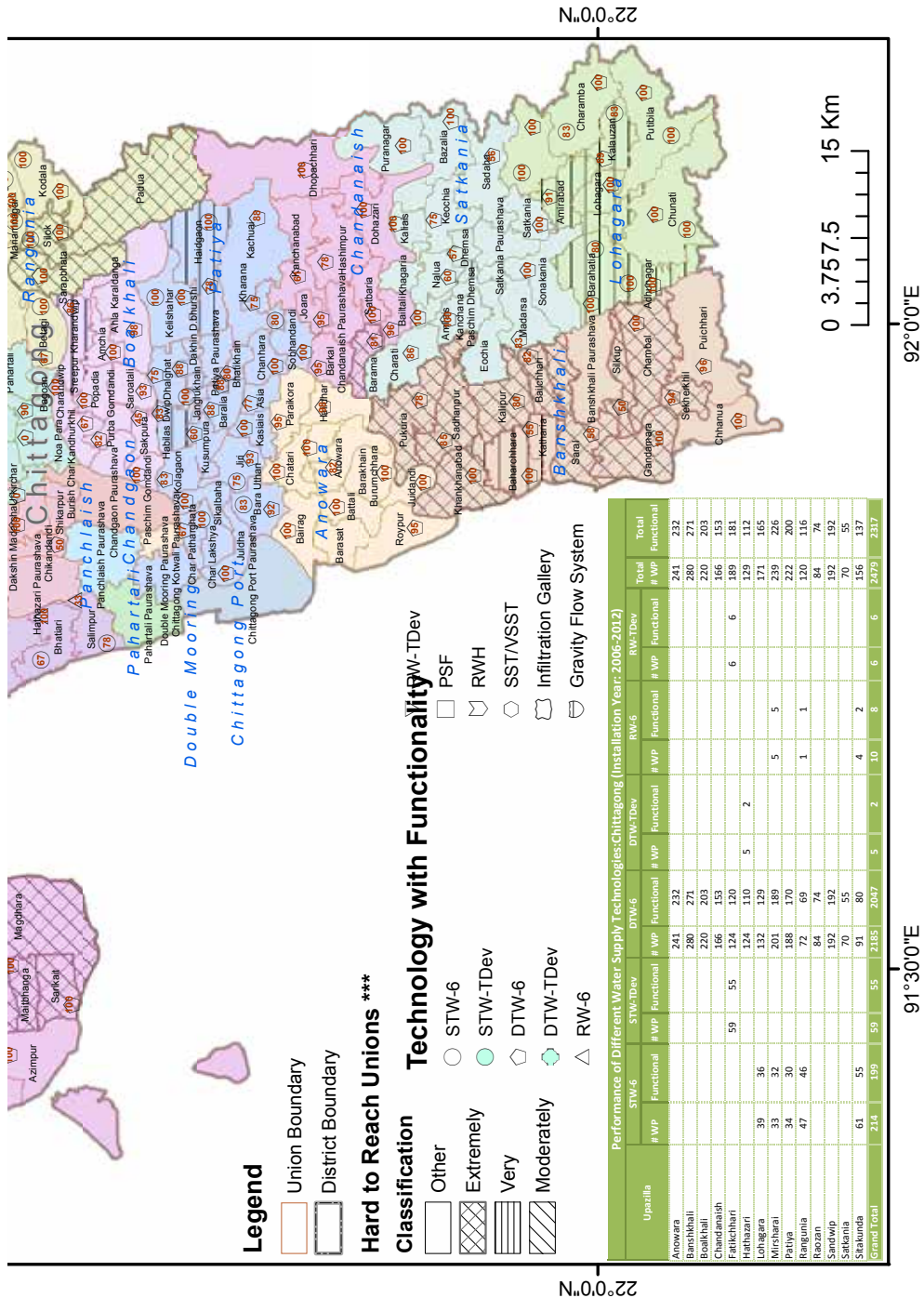
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Division : Chittagong



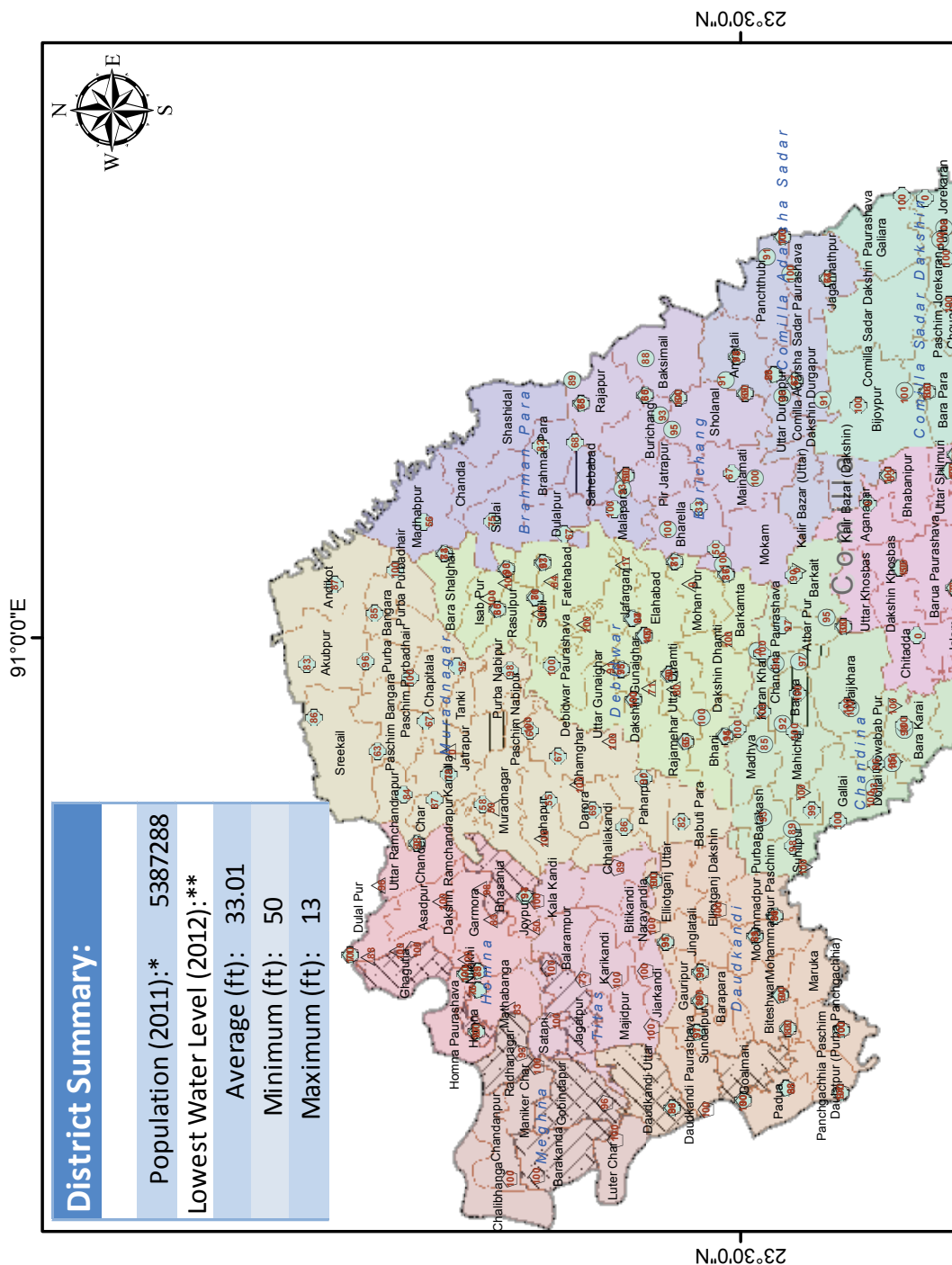
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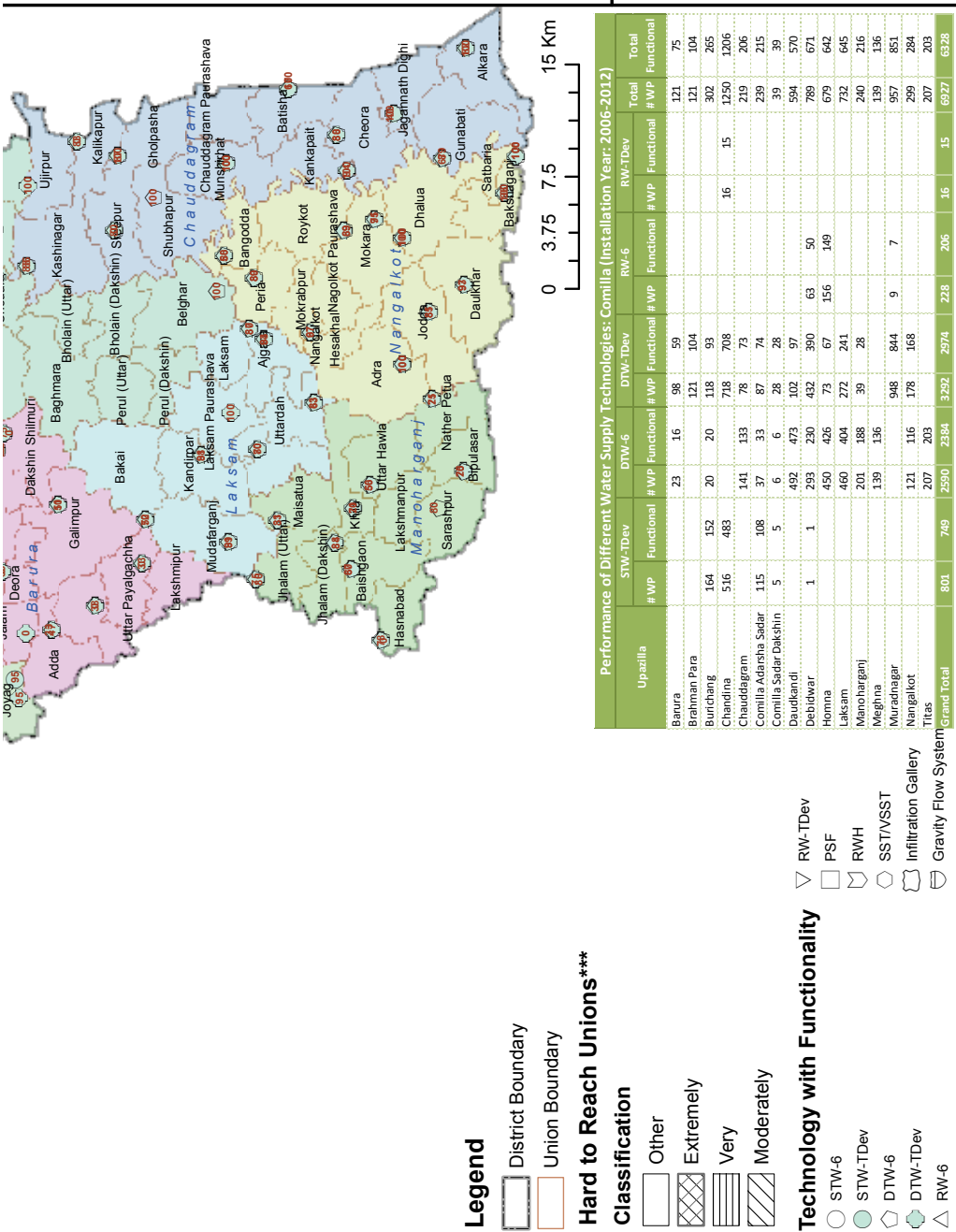


Division : Chittagong



23°0'N

23°0'N



91°0'0"E

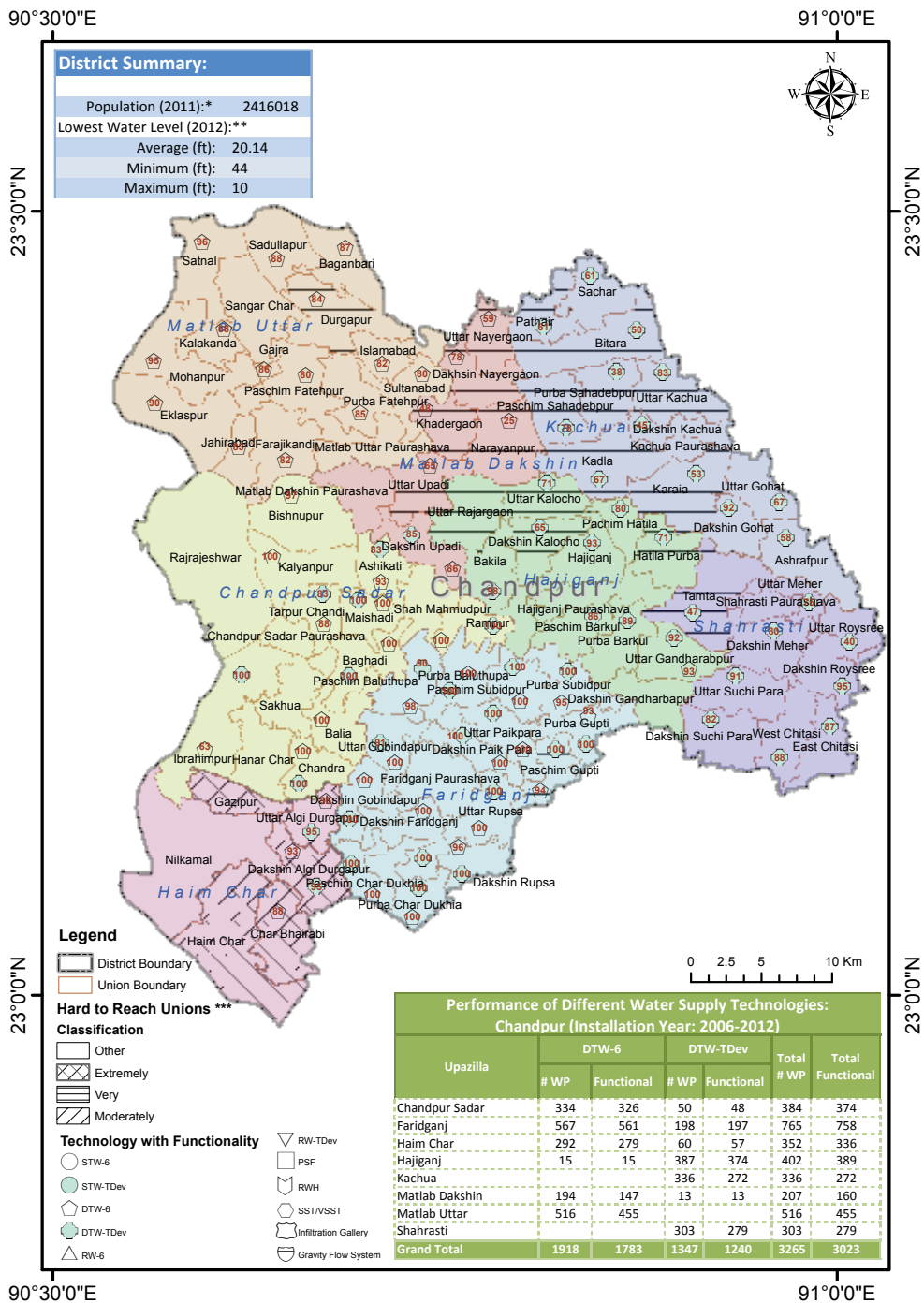
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District : Comilla



Division : Chittagong

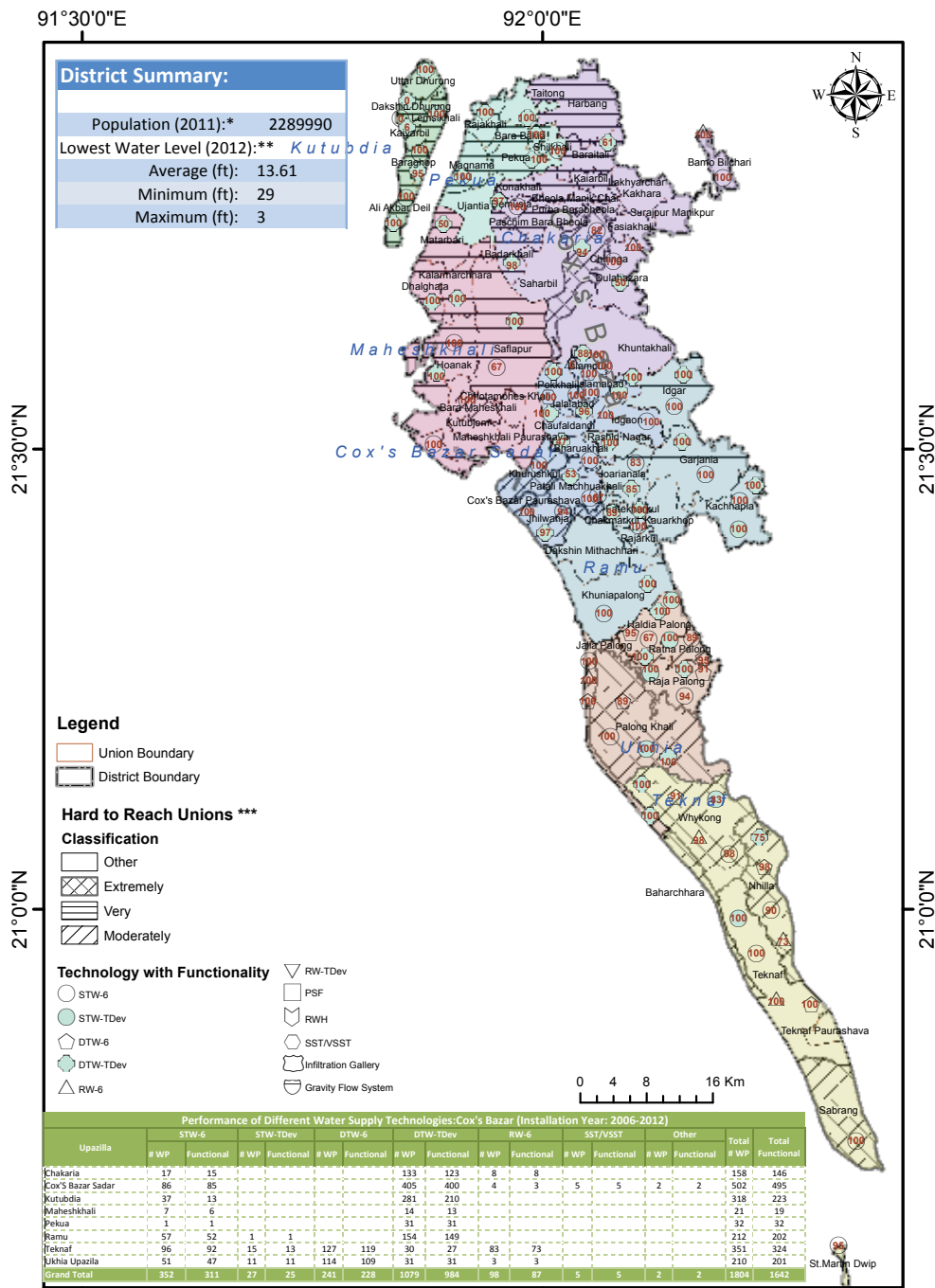
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Division : Chittagong

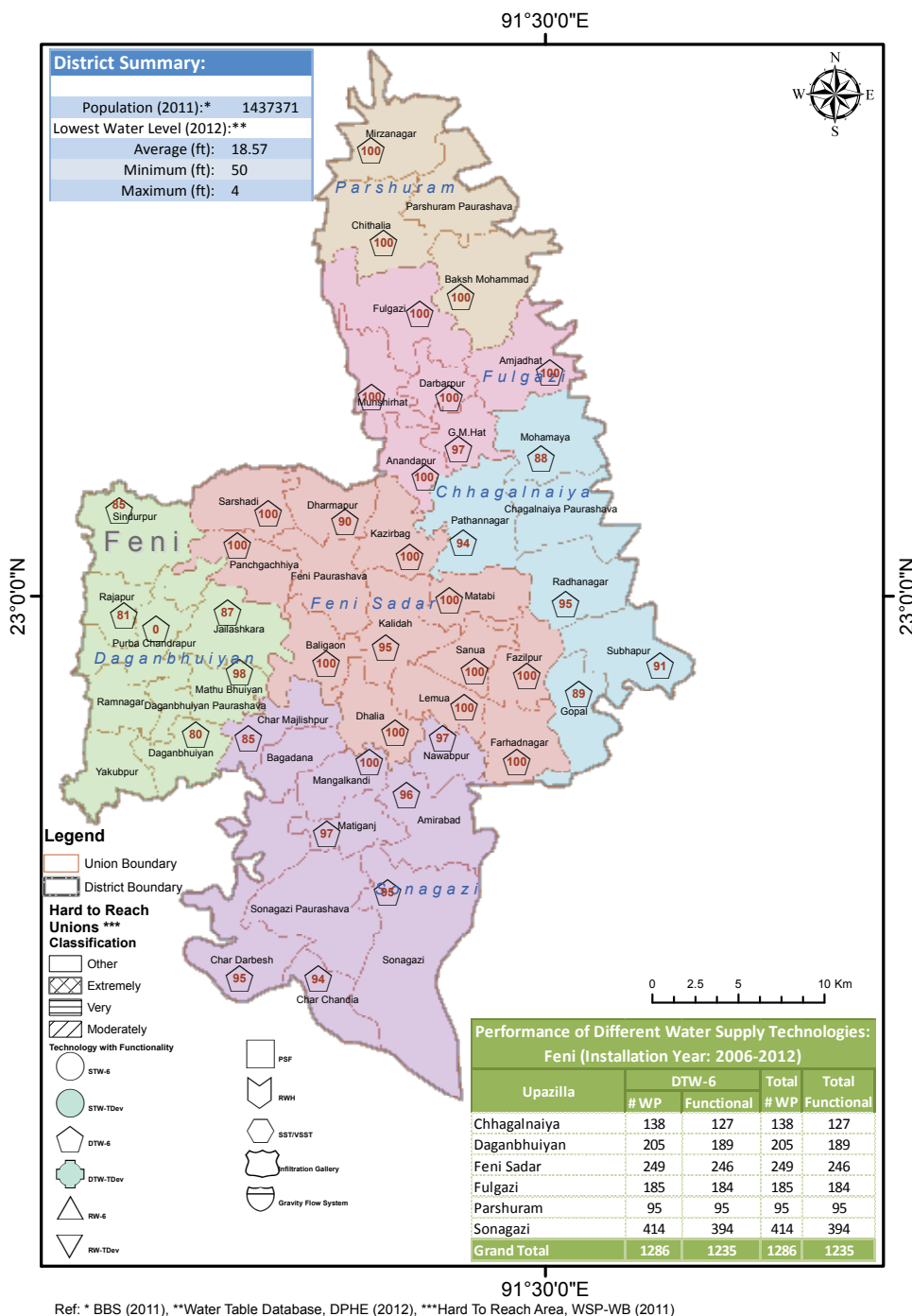
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Division : Chittagong

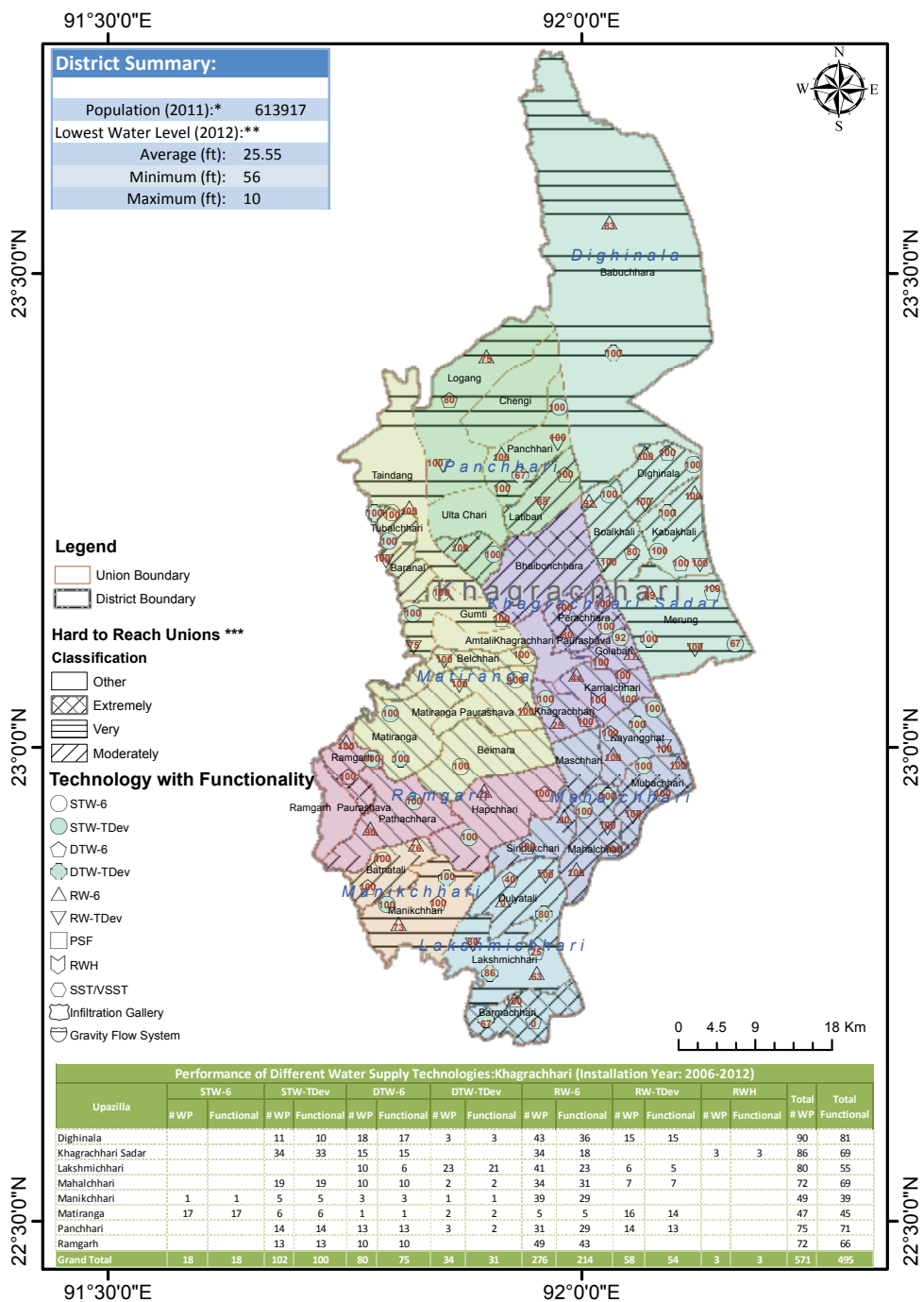
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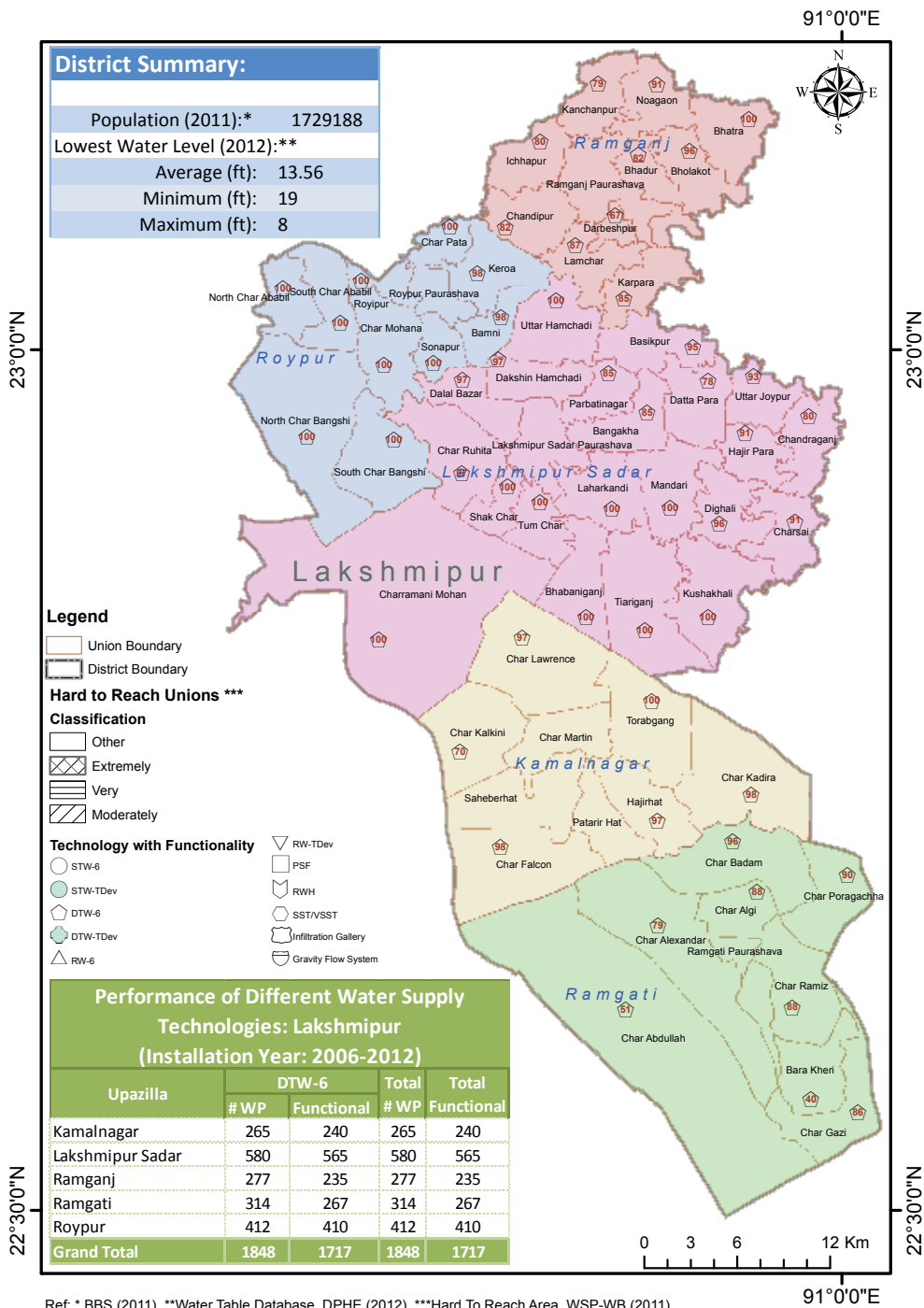
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District : Khagrachhari





District : Lakshmipur

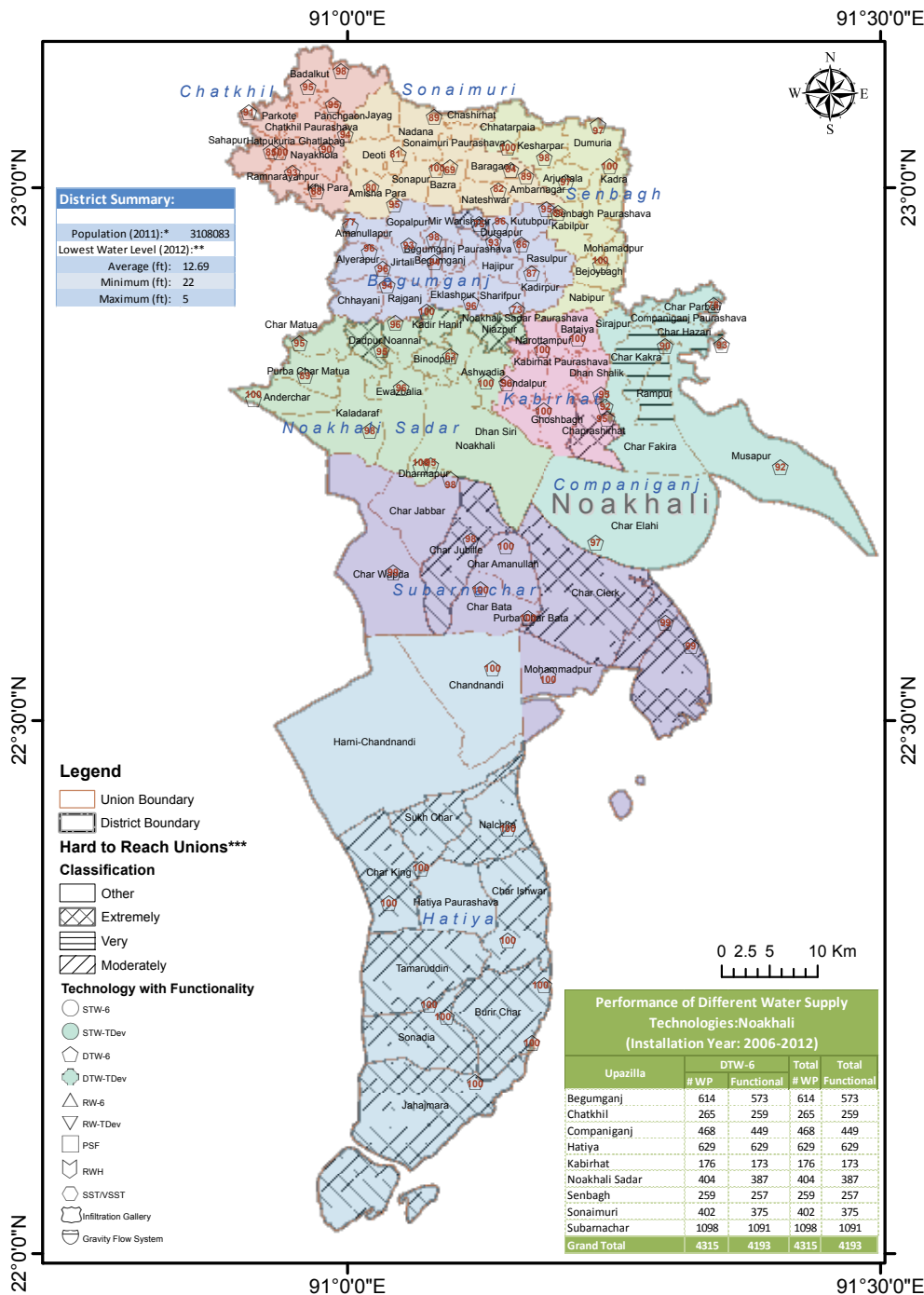


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Division : Chittagong

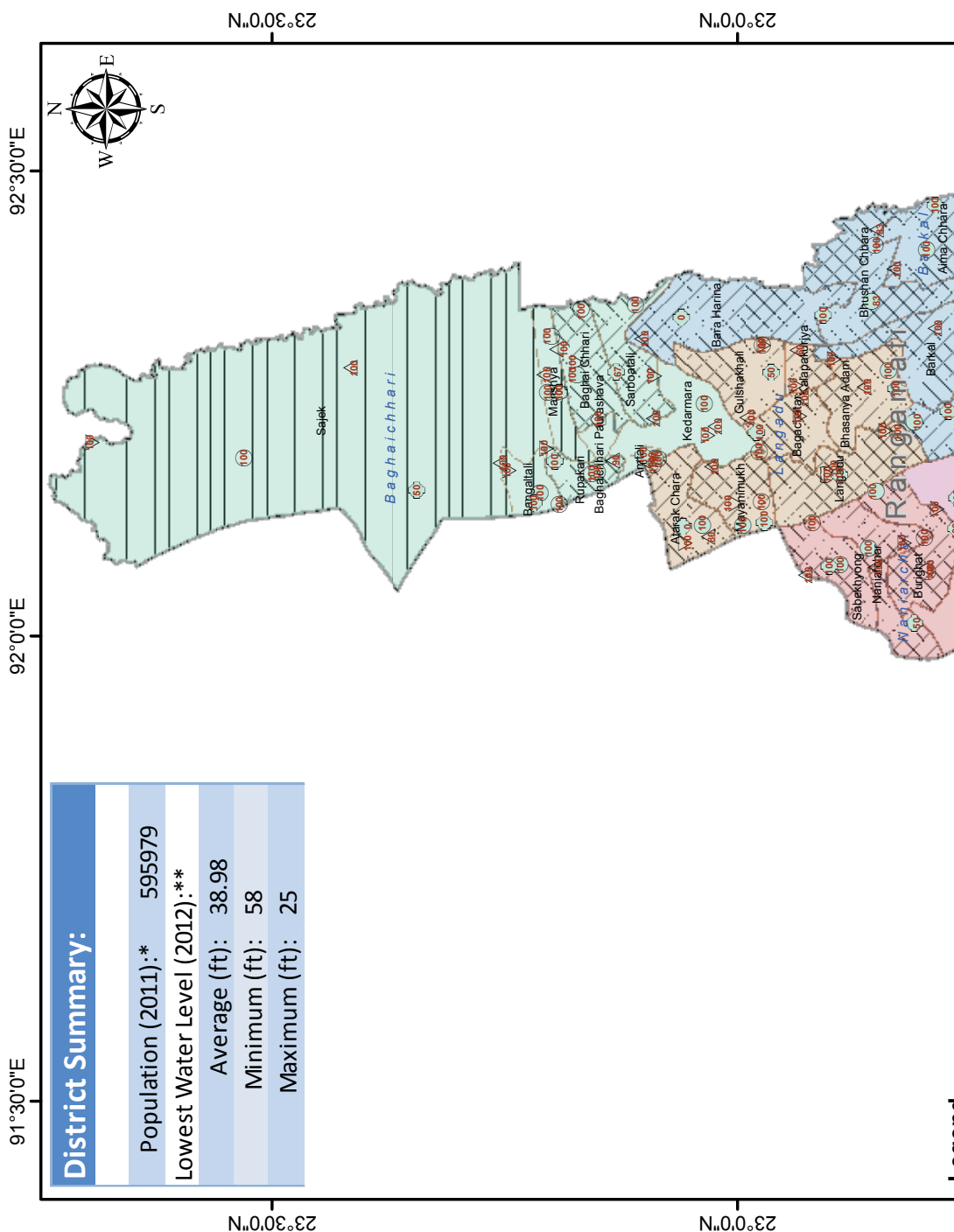
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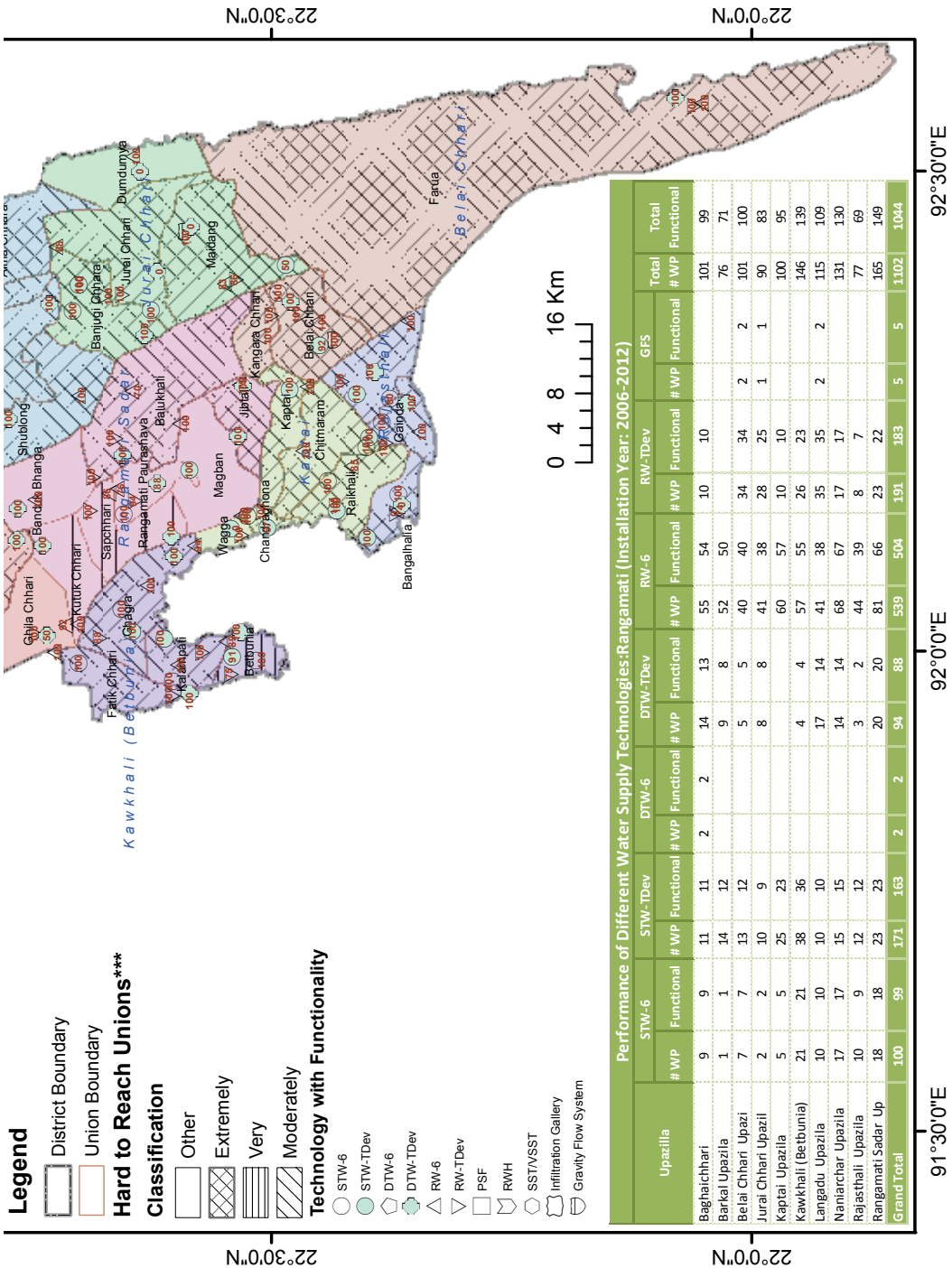
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Division : Chittagong



District : Rangamati



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Division : Dhaka

District : Dhaka

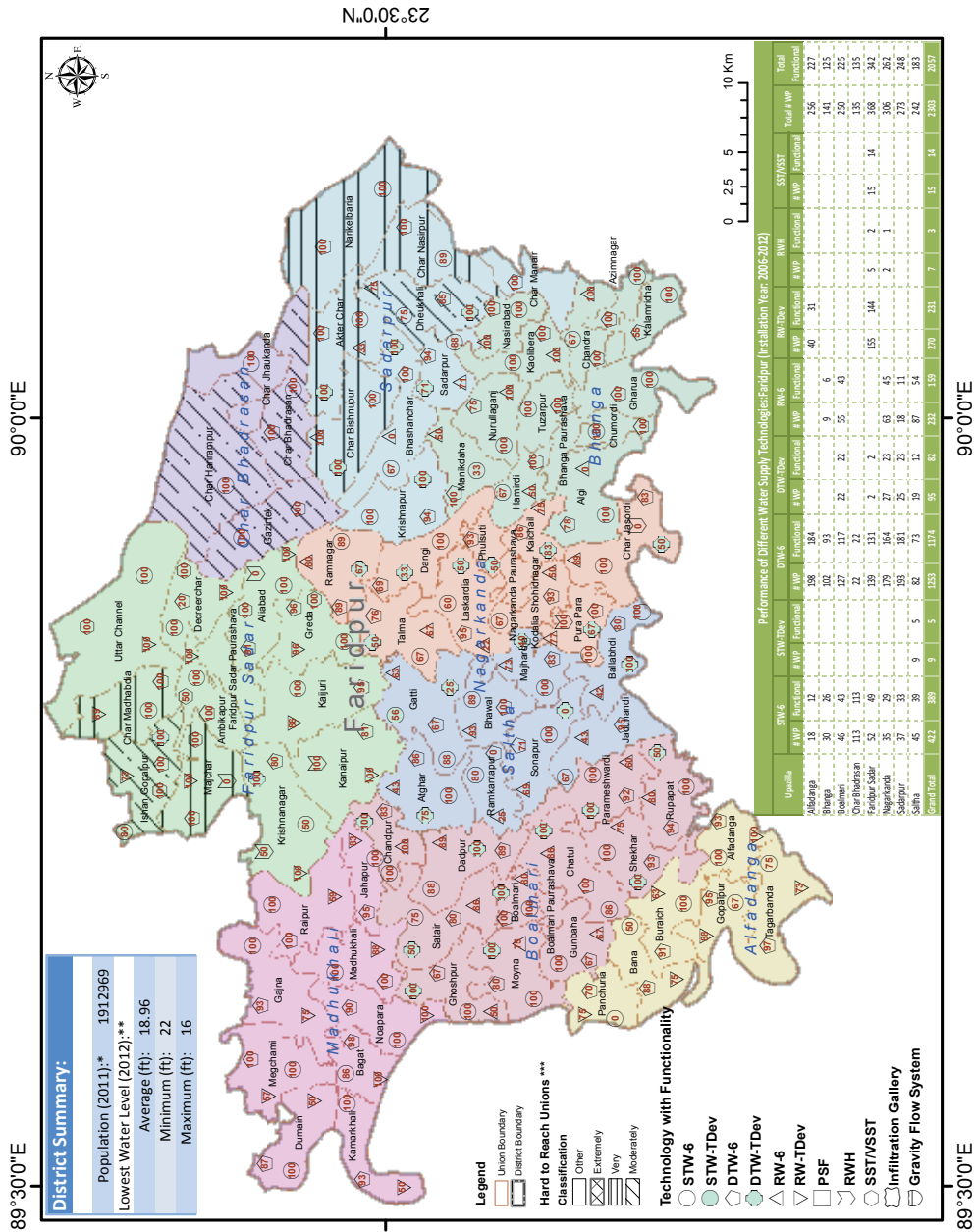


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District : Faridpur

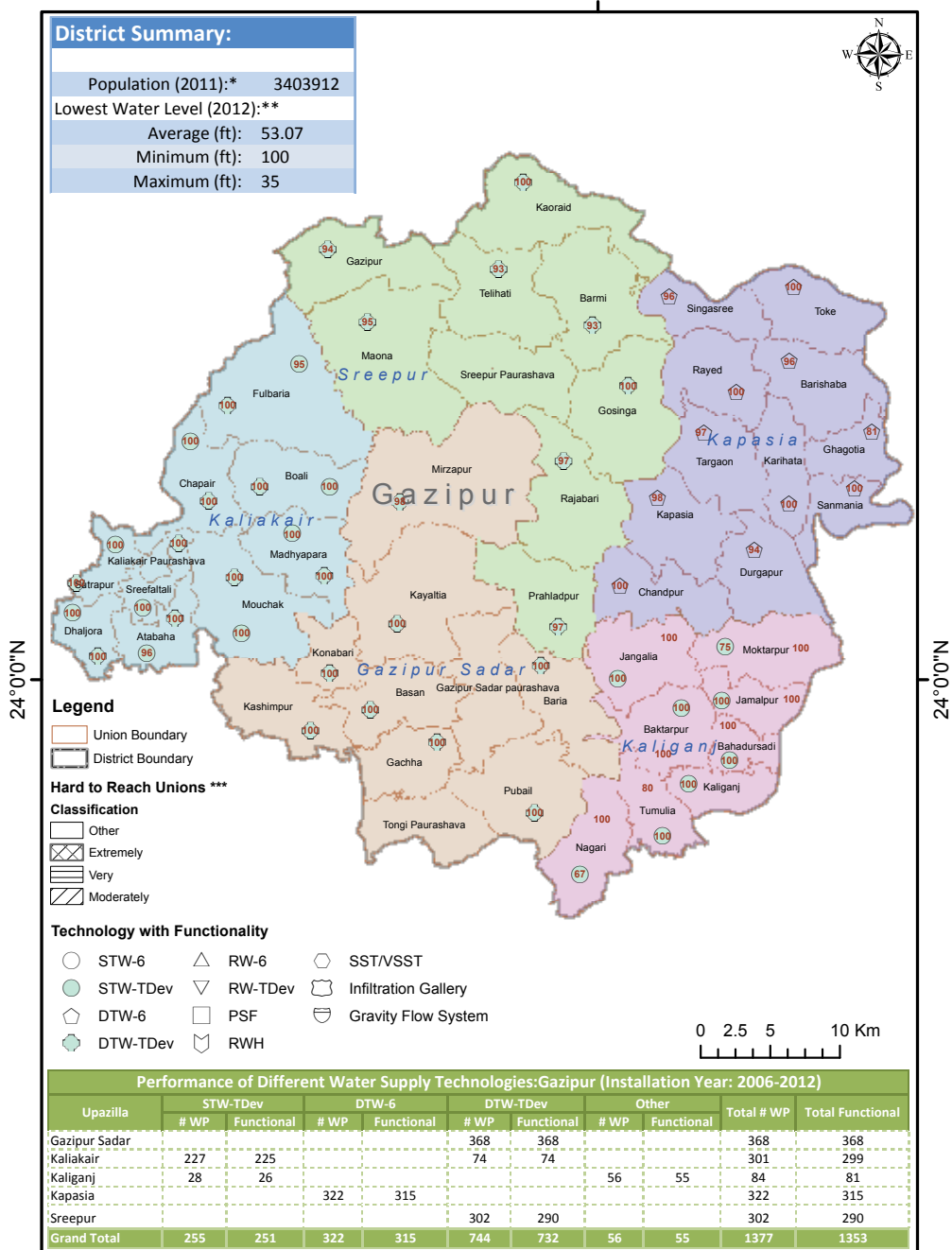




Division : Dhaka

District : Gazipur

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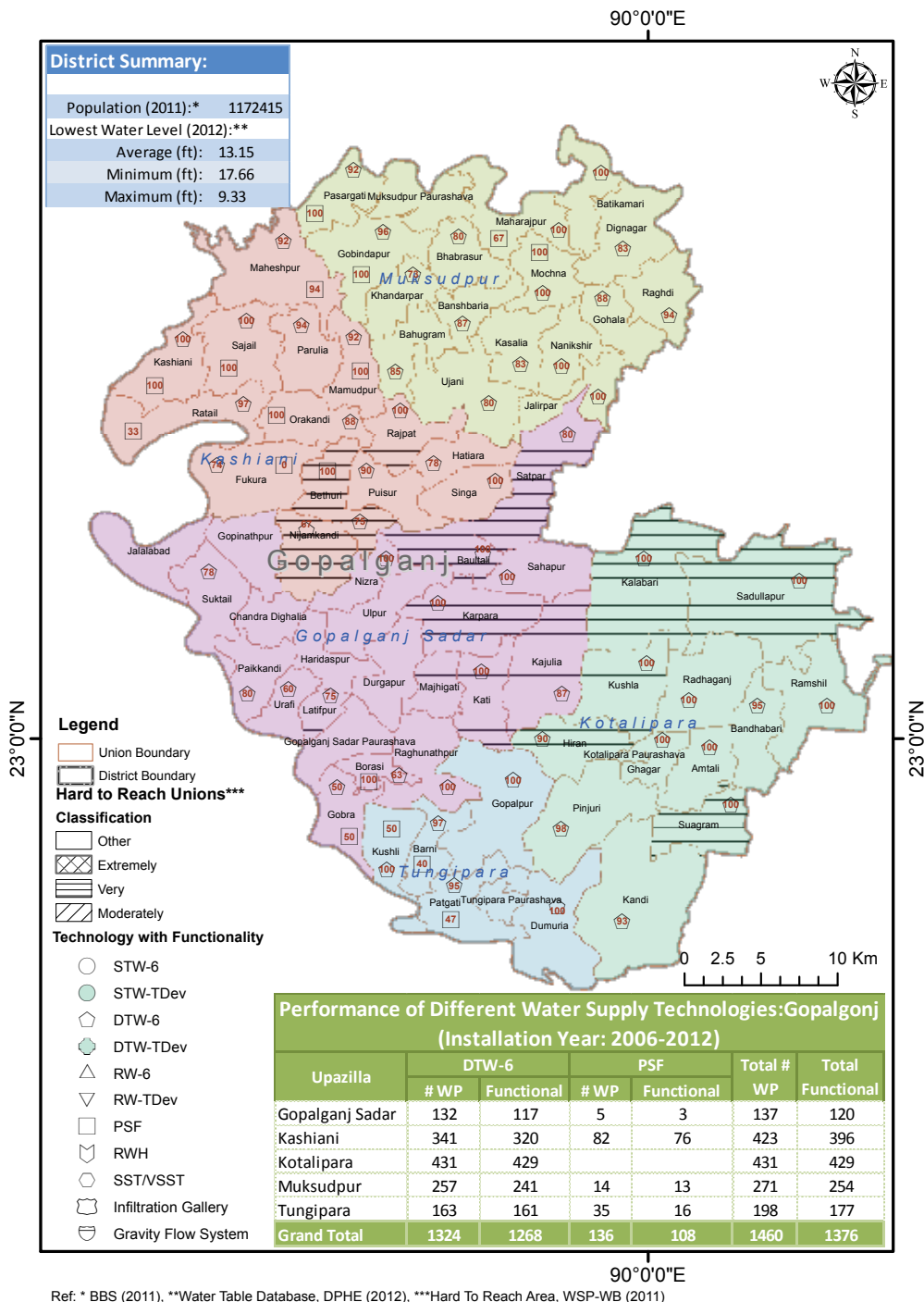
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Division : Dhaka

District : Gopalganj



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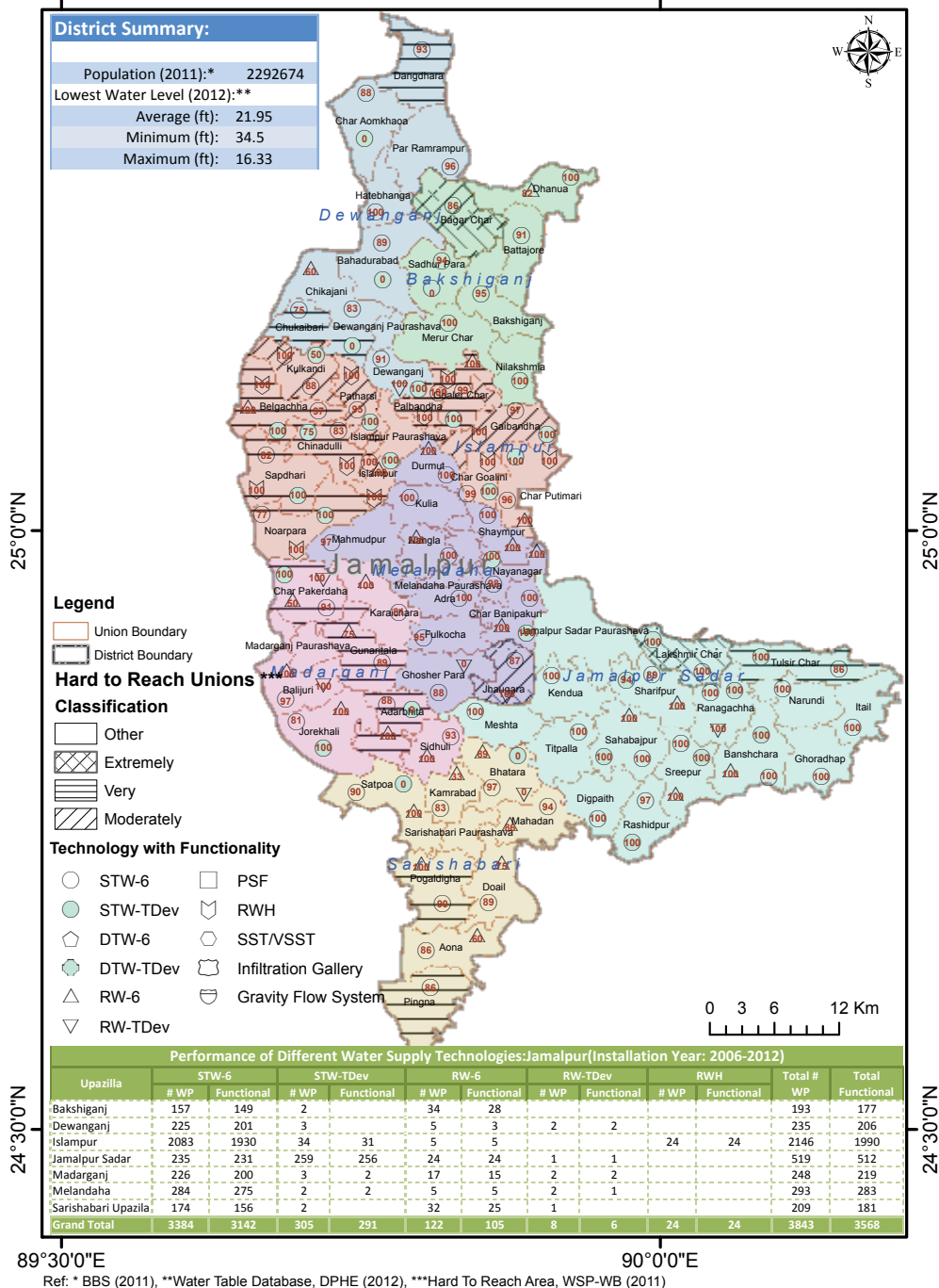


Division : Dhaka

District : Jamalpur

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90°0'0"E



89°30'0"E

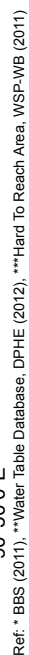
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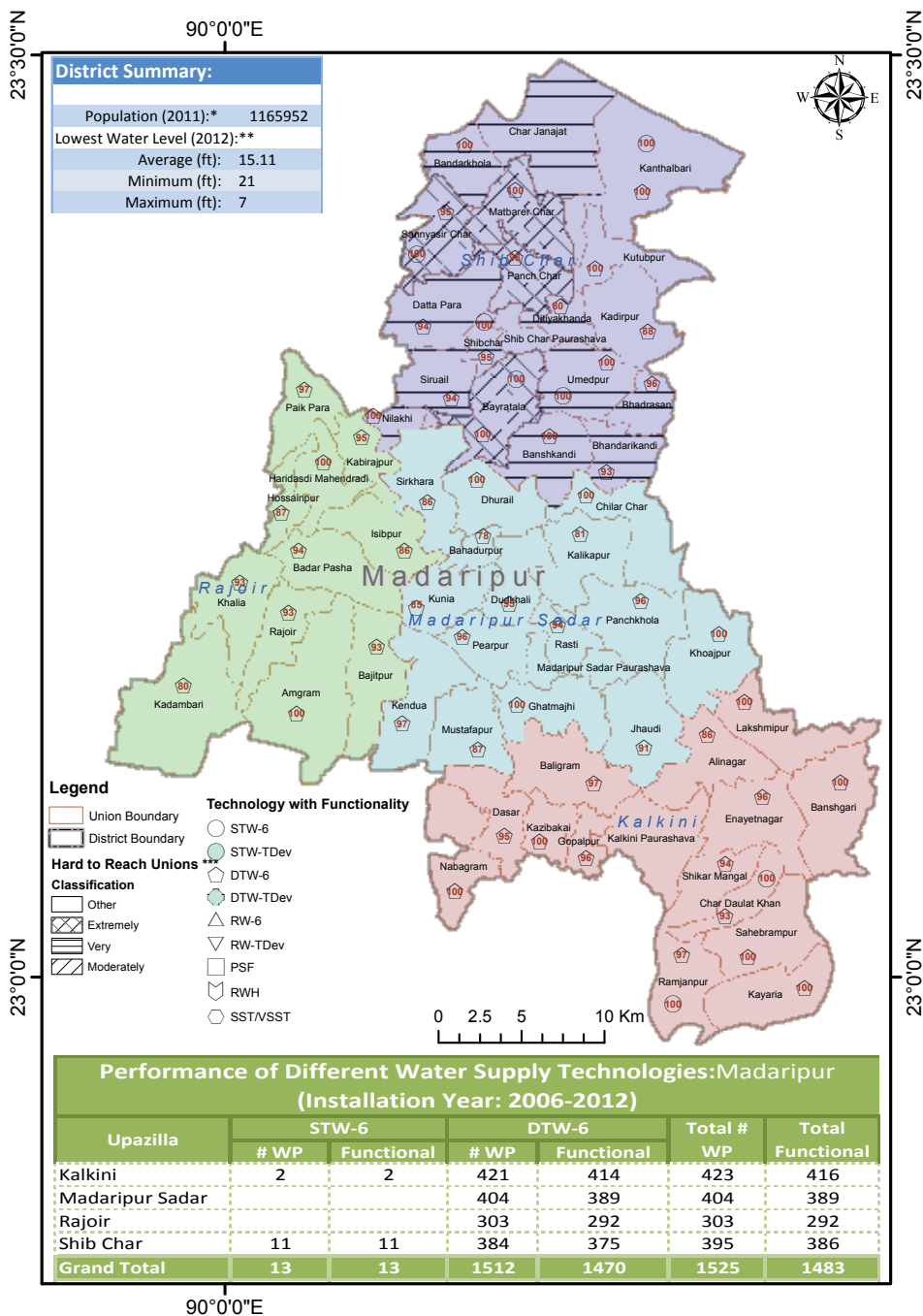
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Division : Dhaka

District : Madaripur

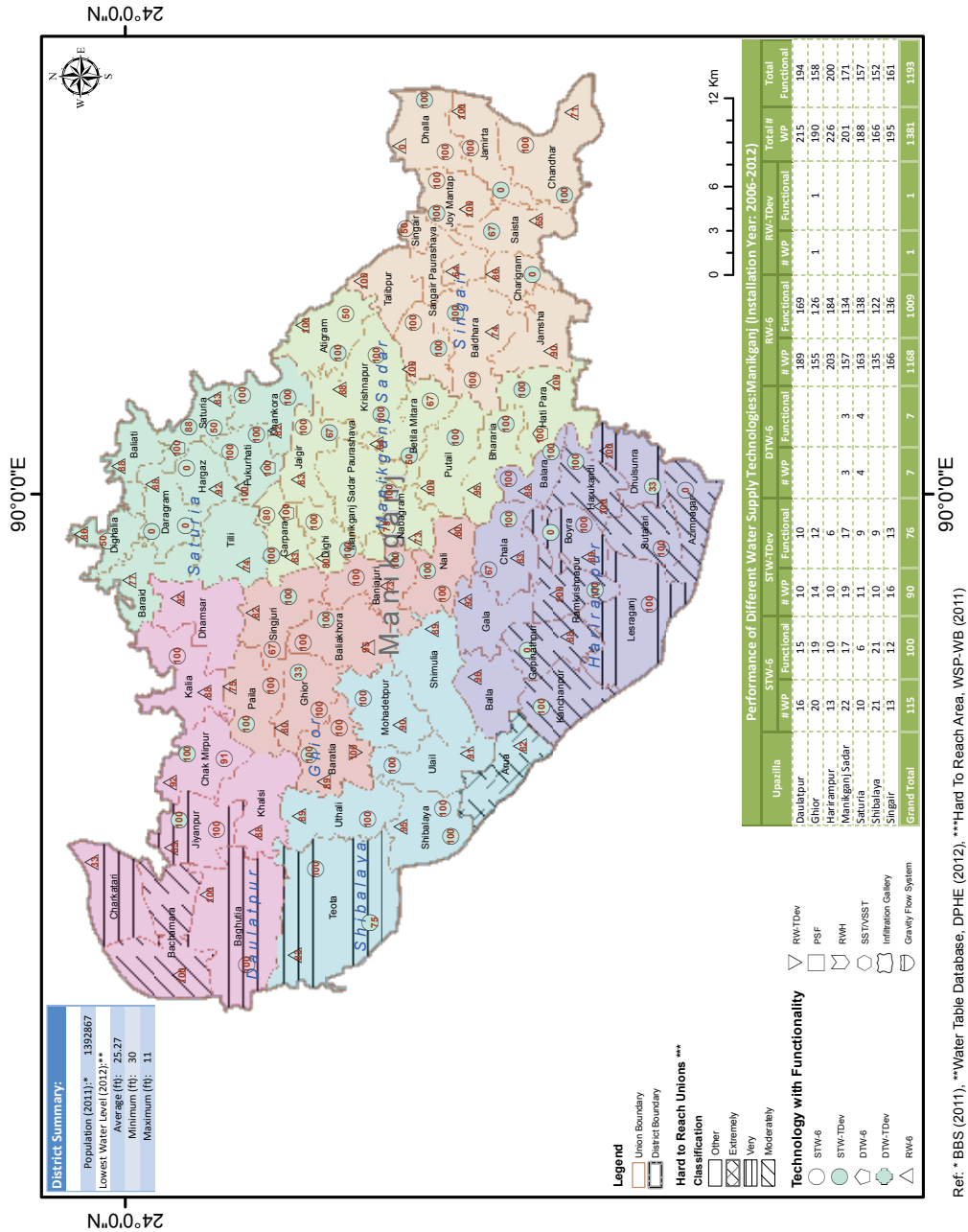


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Division : Dhaka

District : Manikganj

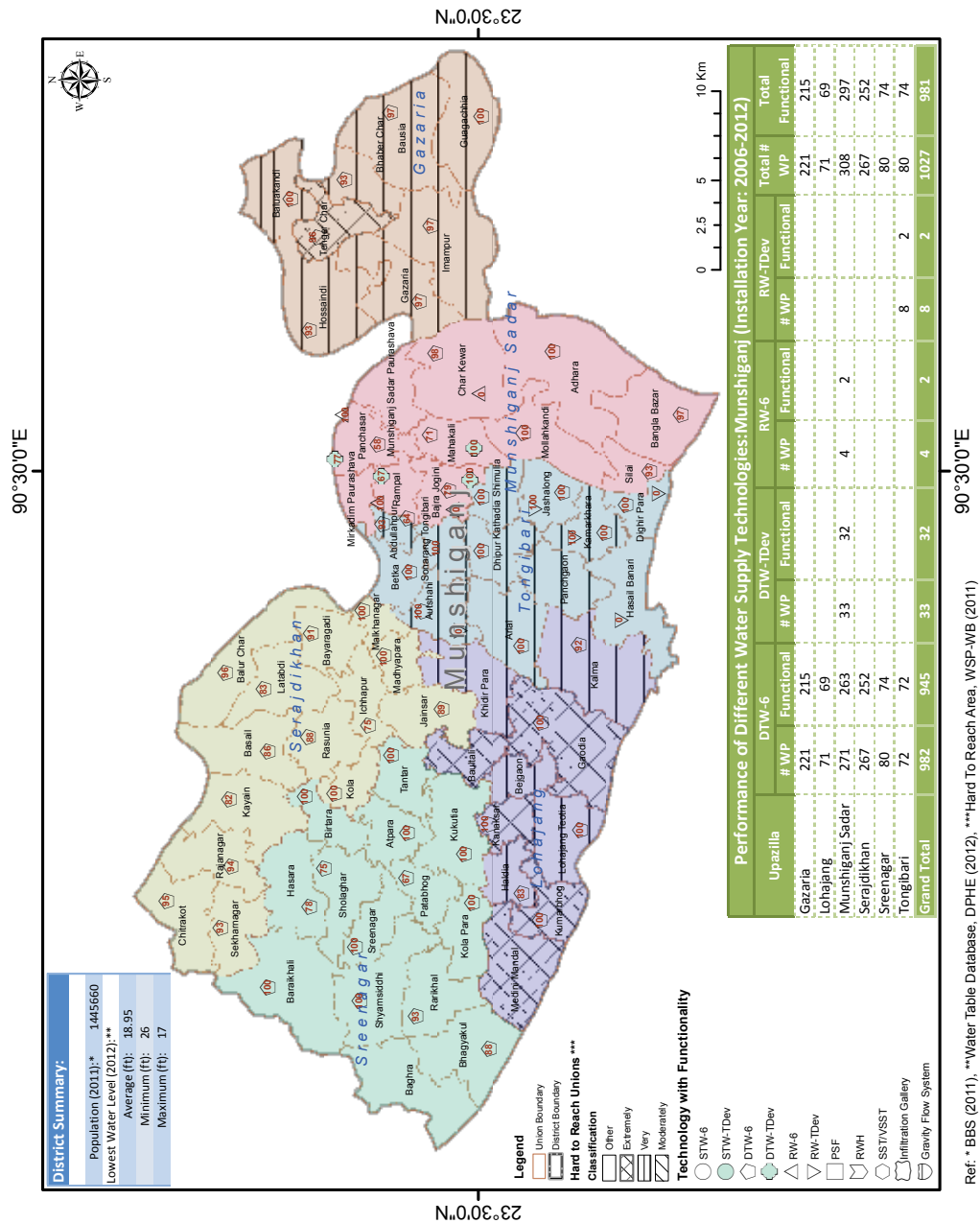


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Division : Dhaka

District : Munshiganj



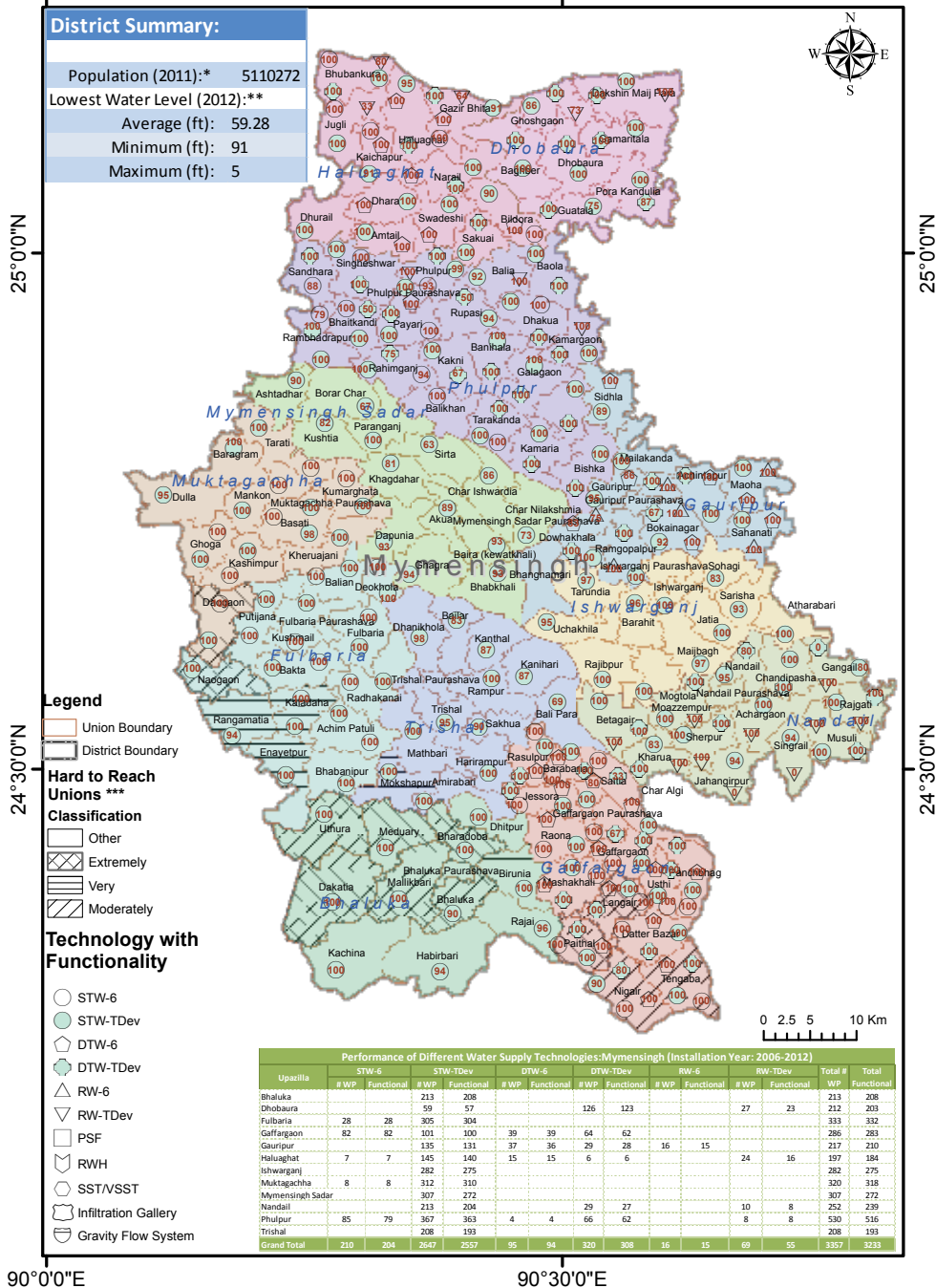


Division : Dhaka

District : Mymensingh

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90°30'0"E



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Division : Dhaka

District : Narayanganj



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Division : Dhaka

District : Narsingdi



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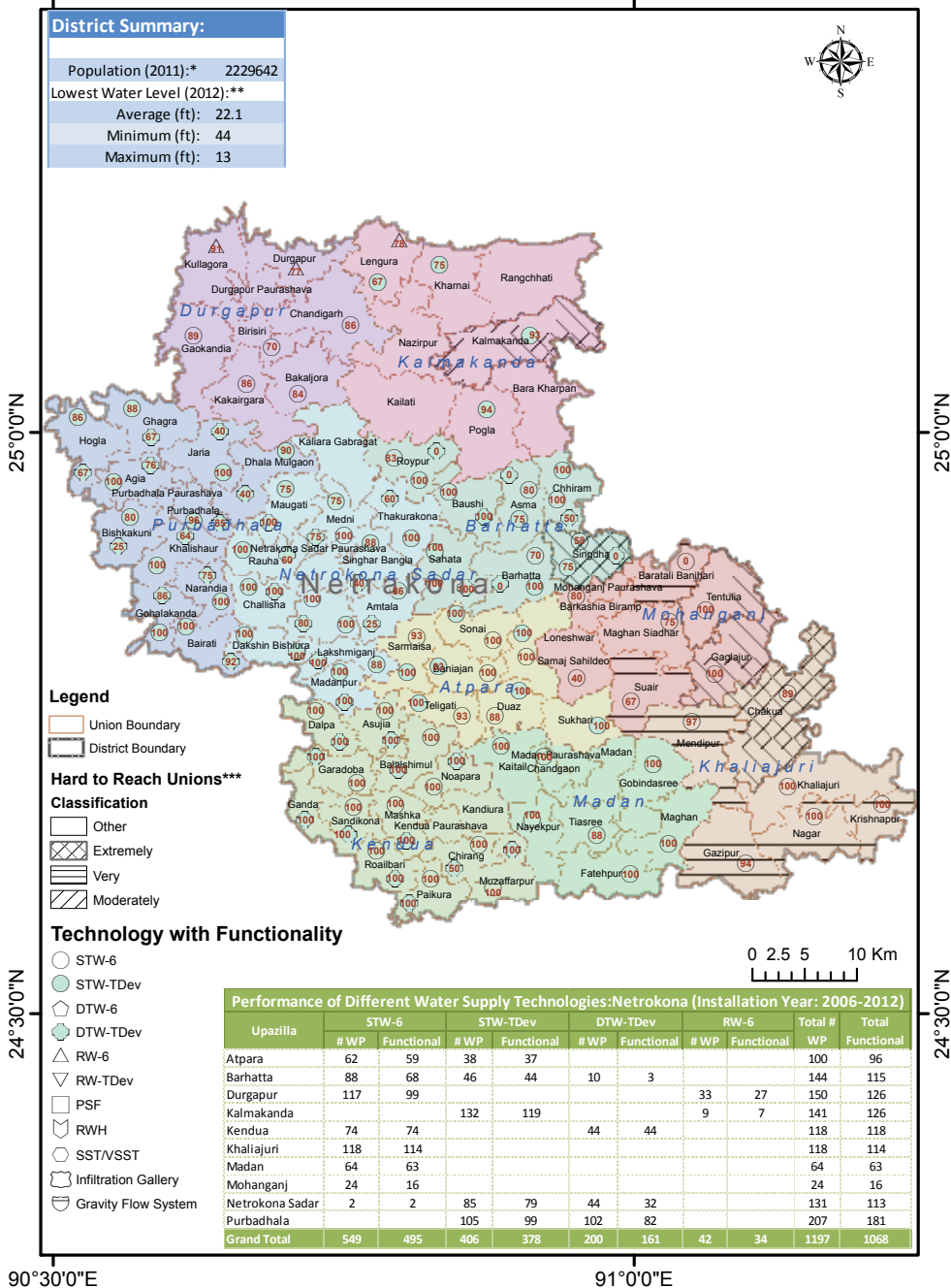


Division : Dhaka

District : Netrakona

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91°0'0"E



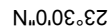
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District : Rajbari



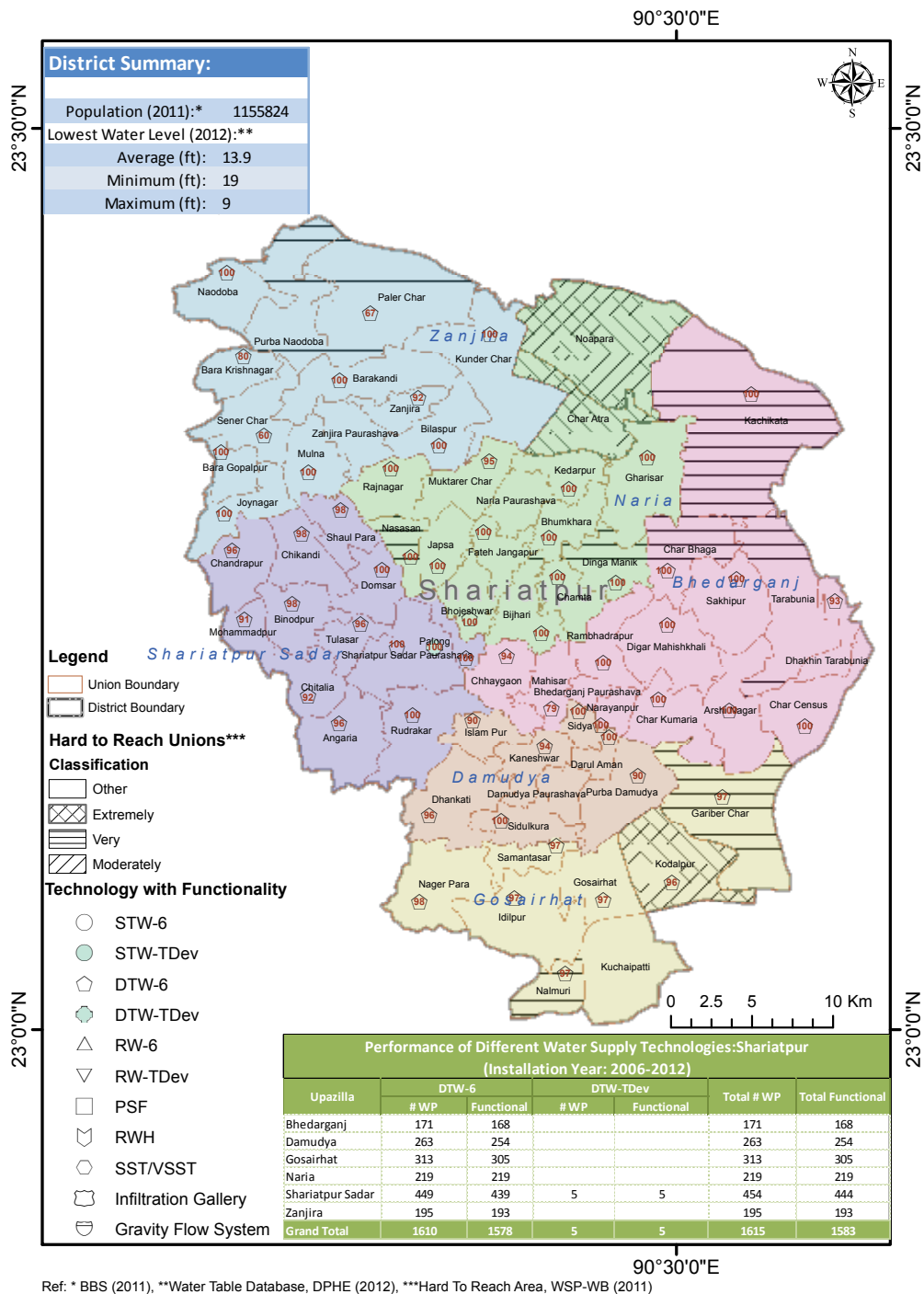
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Division : Dhaka

District : Shariatpur





Division : Dhaka

District : Sherpur

90°0'0"E



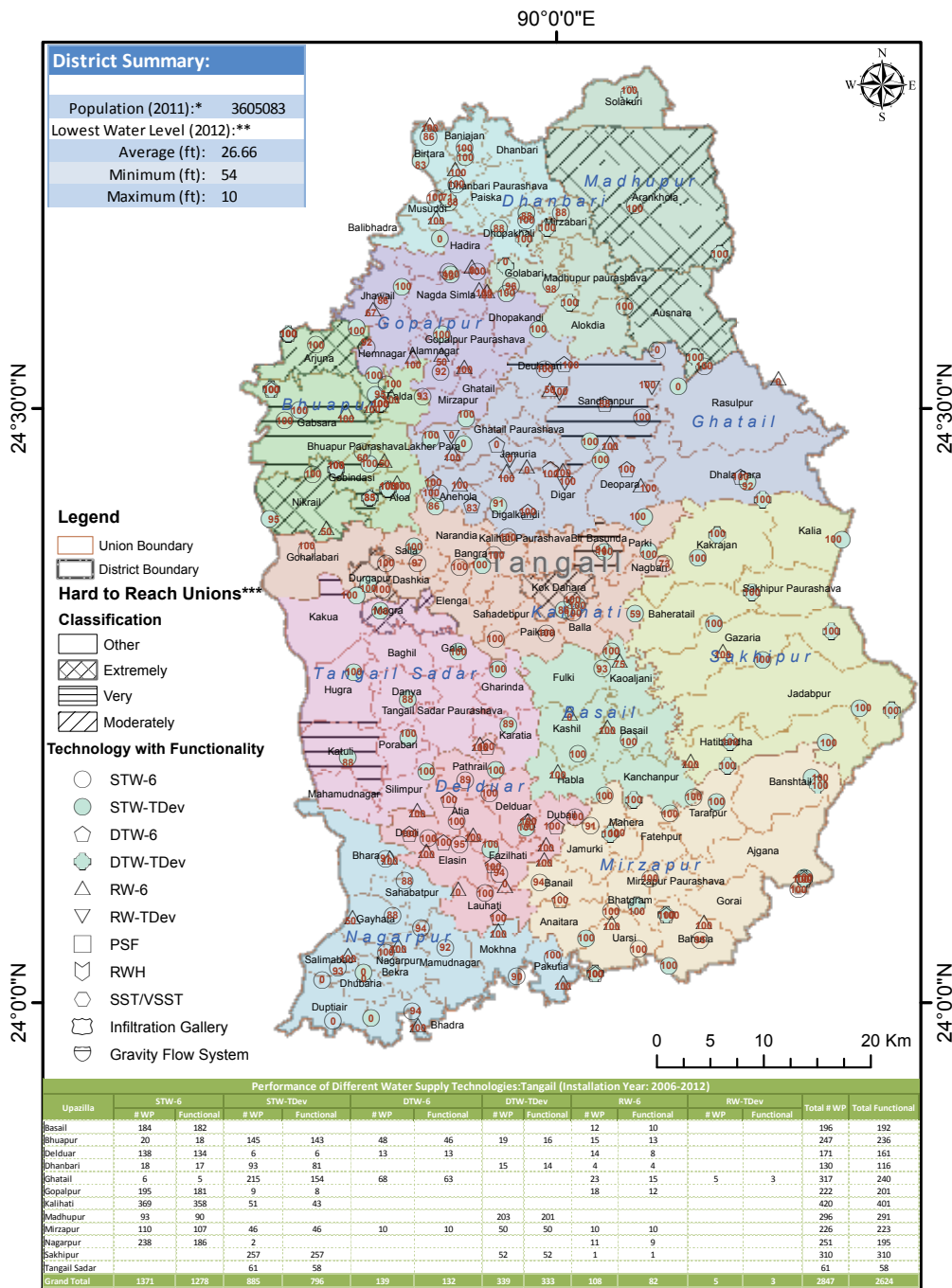
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Division : Dhaka

District : Tangail

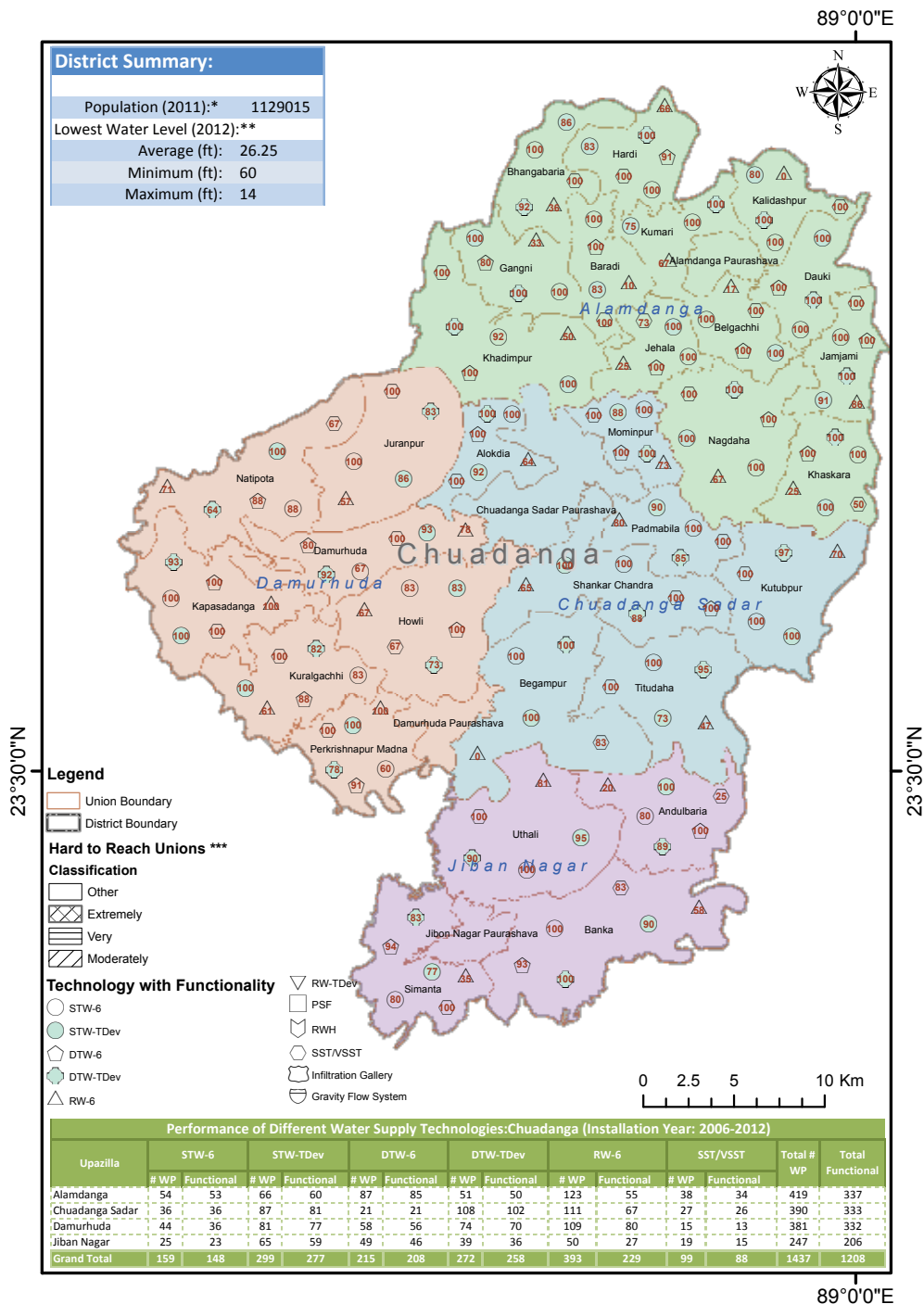


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Division : Khulna

District : Chuadanga



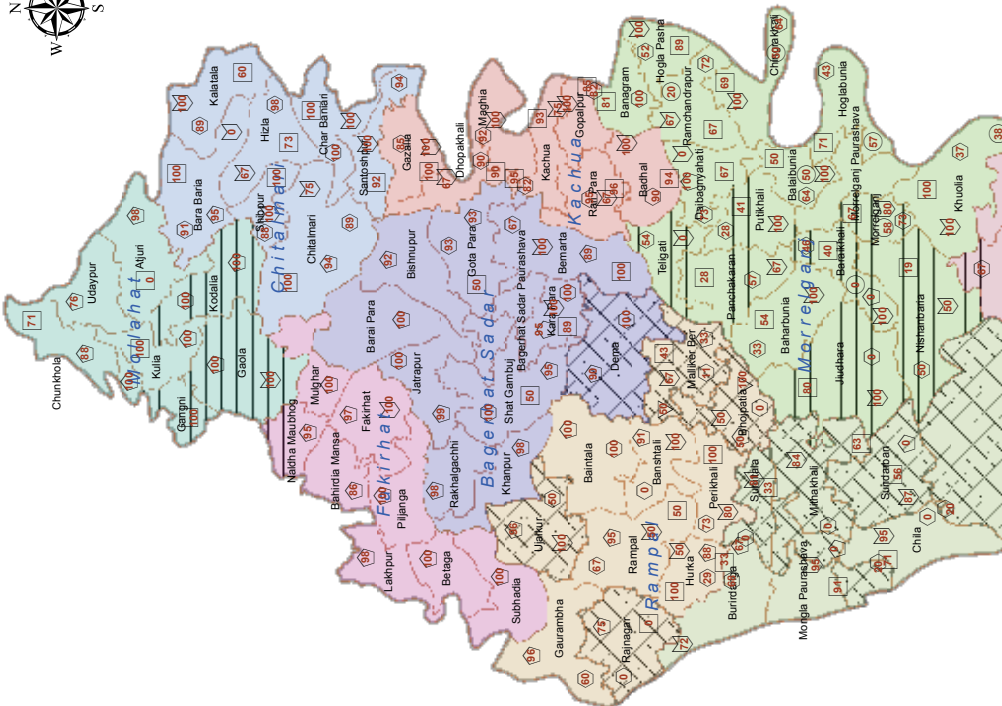
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Division : Khulna

90°0'0"E

89°30'0"E



22°30'0"N

22°30'0"N

District Summary:

Population (2011):* 1476090

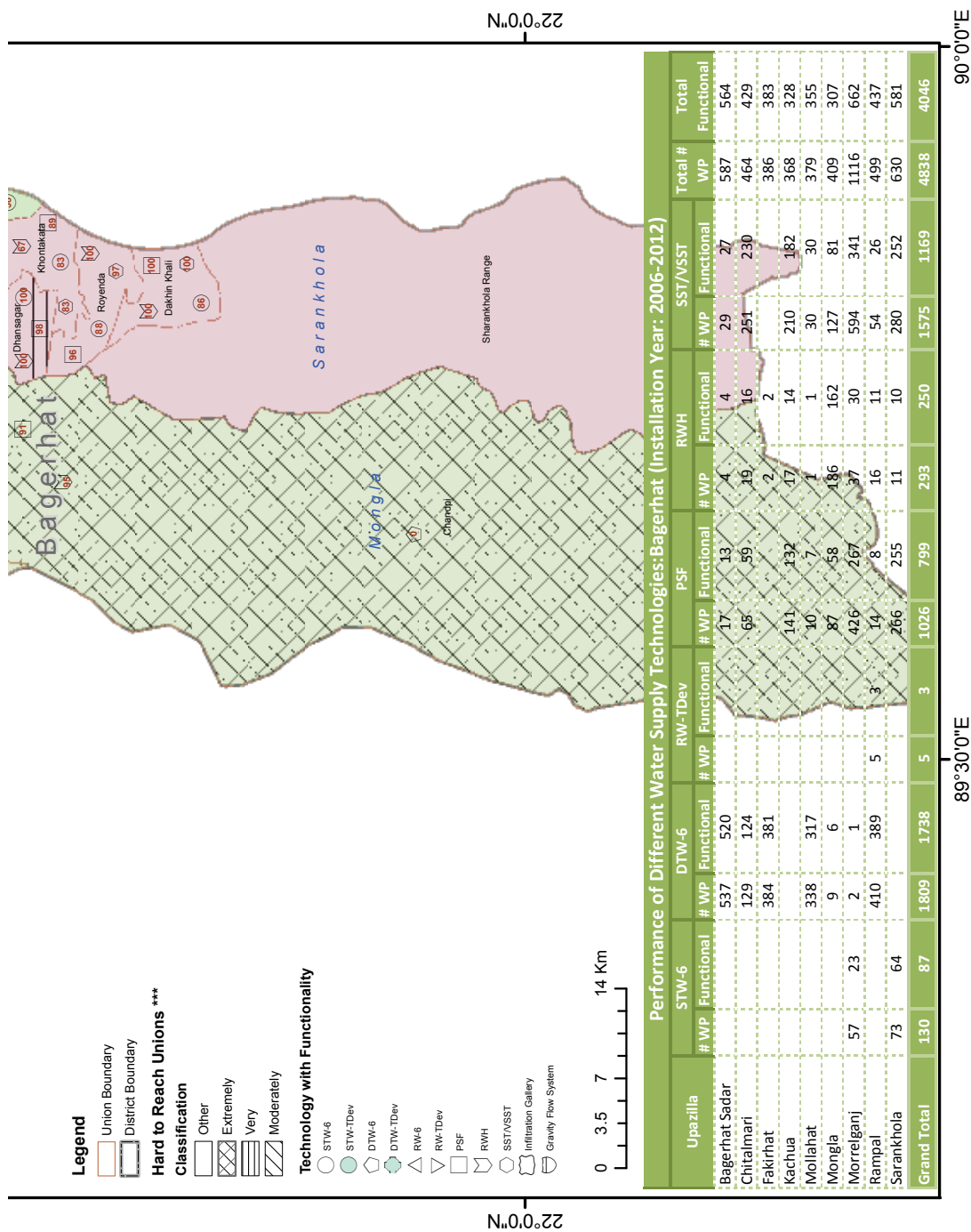
Lowest Water Level (2012):**

Average (ft): 10.88

Minimum (ft): 90

Maximum (ft): 5

District : Bagerhat



Ref. * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



District : Jessore

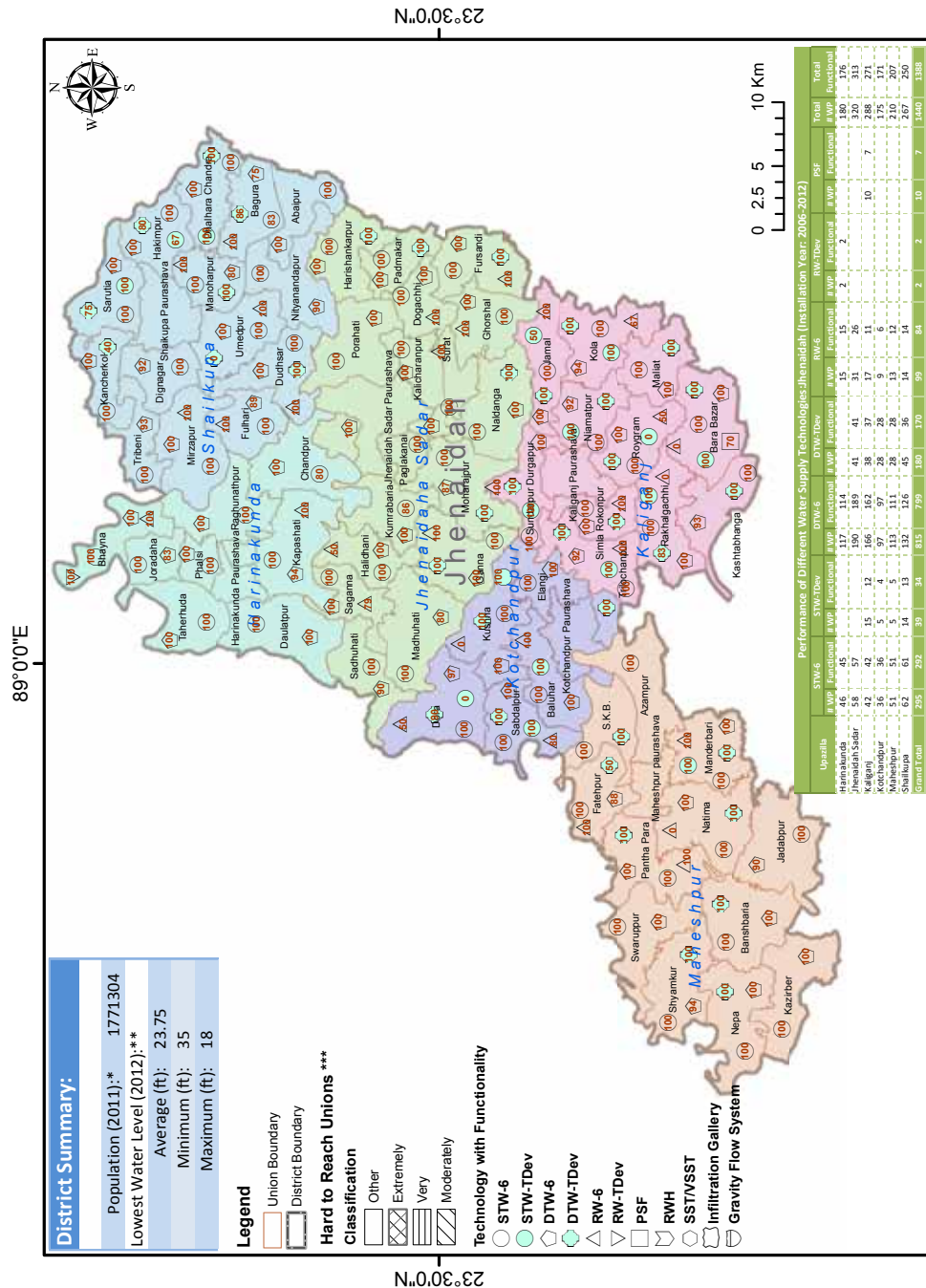


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Division : Khulna

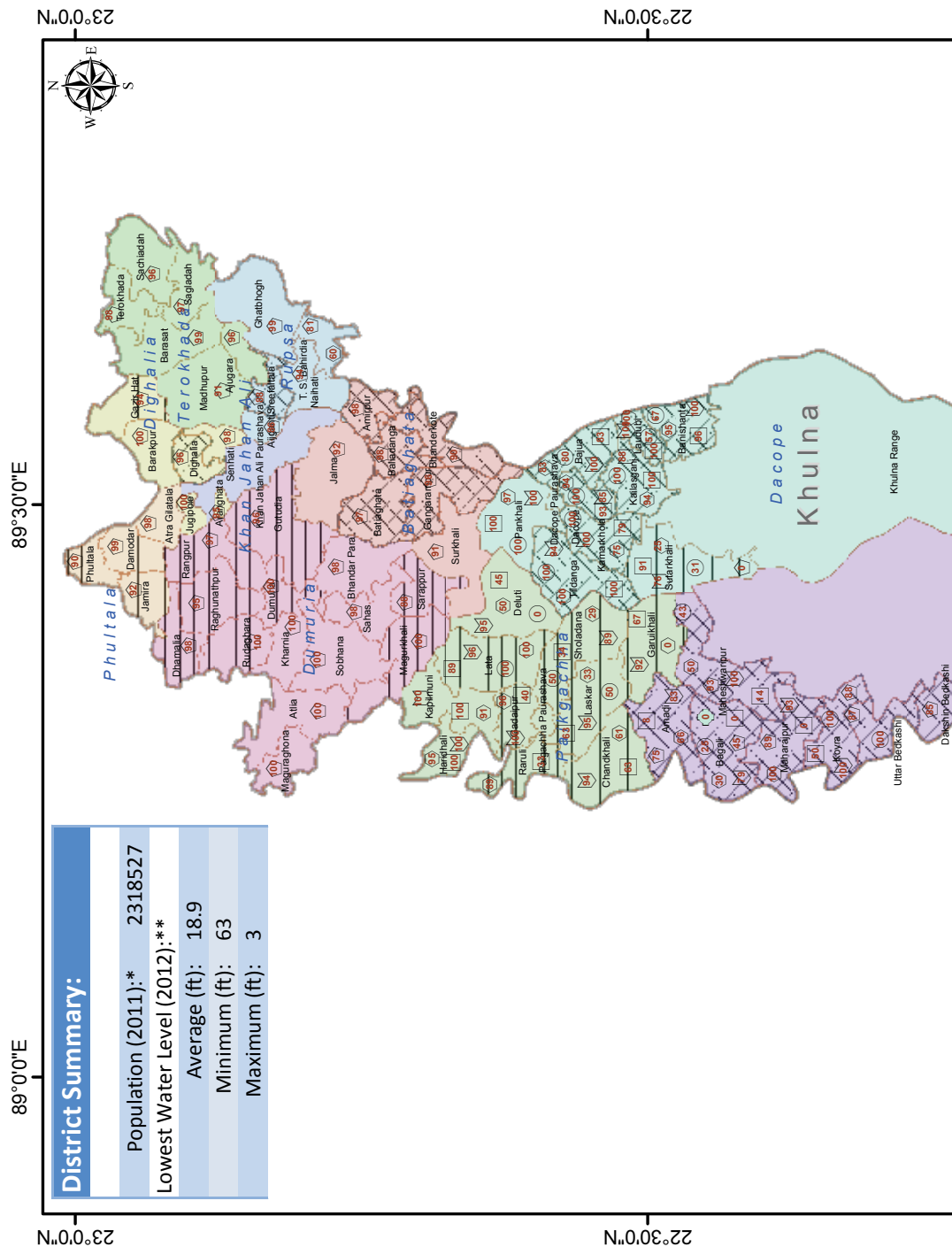
District : Jhenaidah



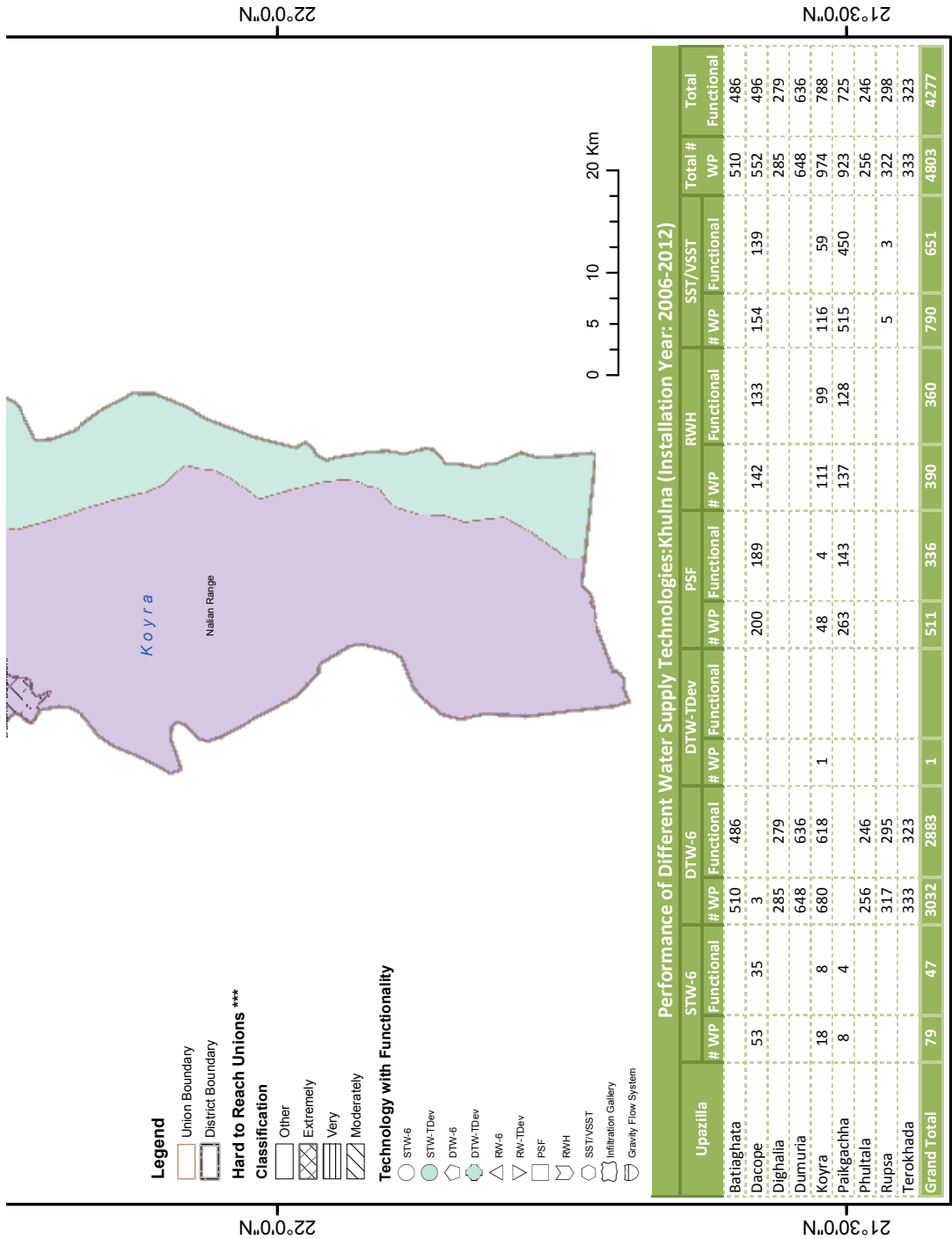
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Division : Khulna



District : Khulna



89°0'0"E 89°30'0"E

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District : Kushtia

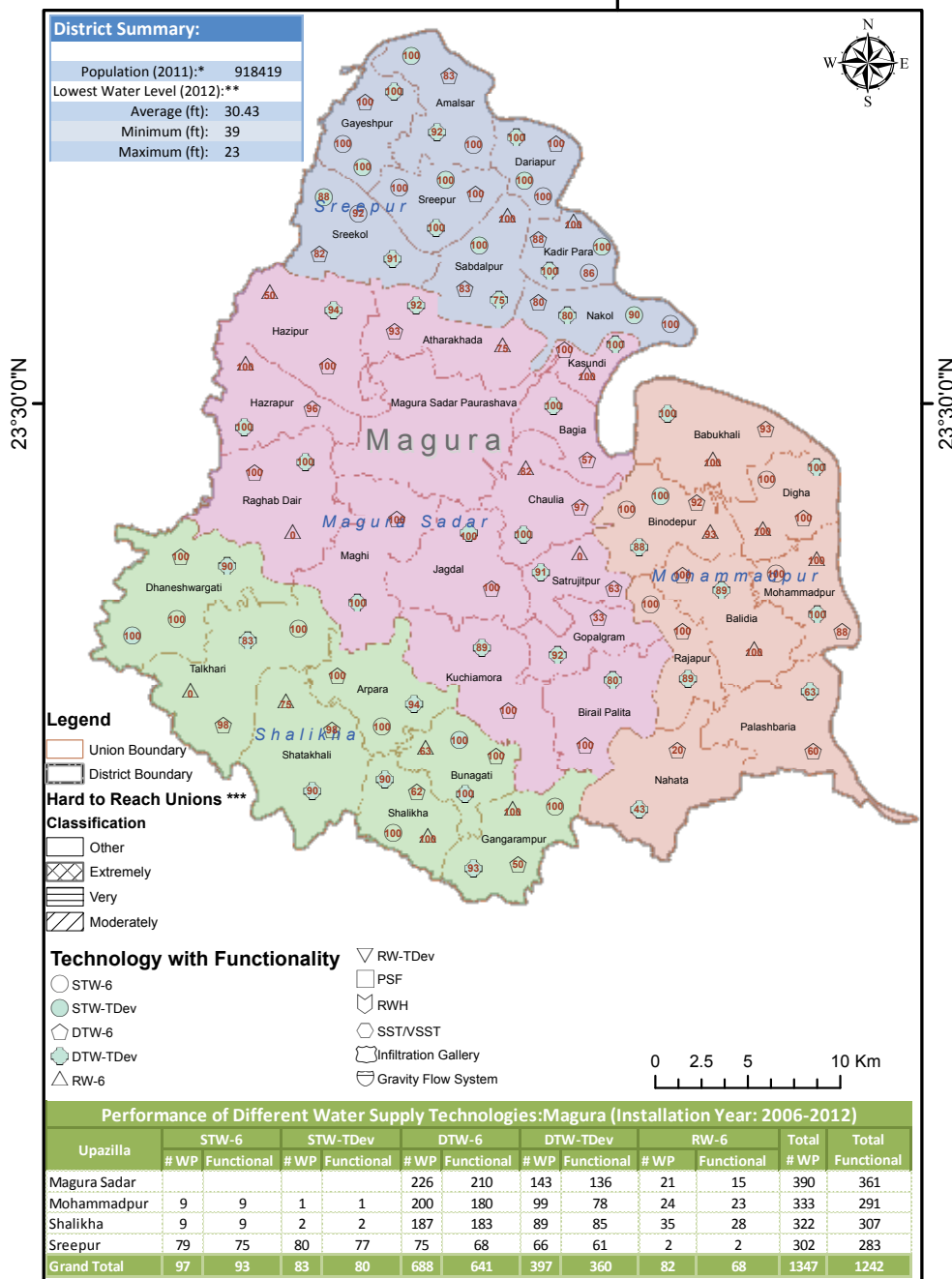




Division : Khulna

District : Magura

89°30'0"E



89°30'0"E

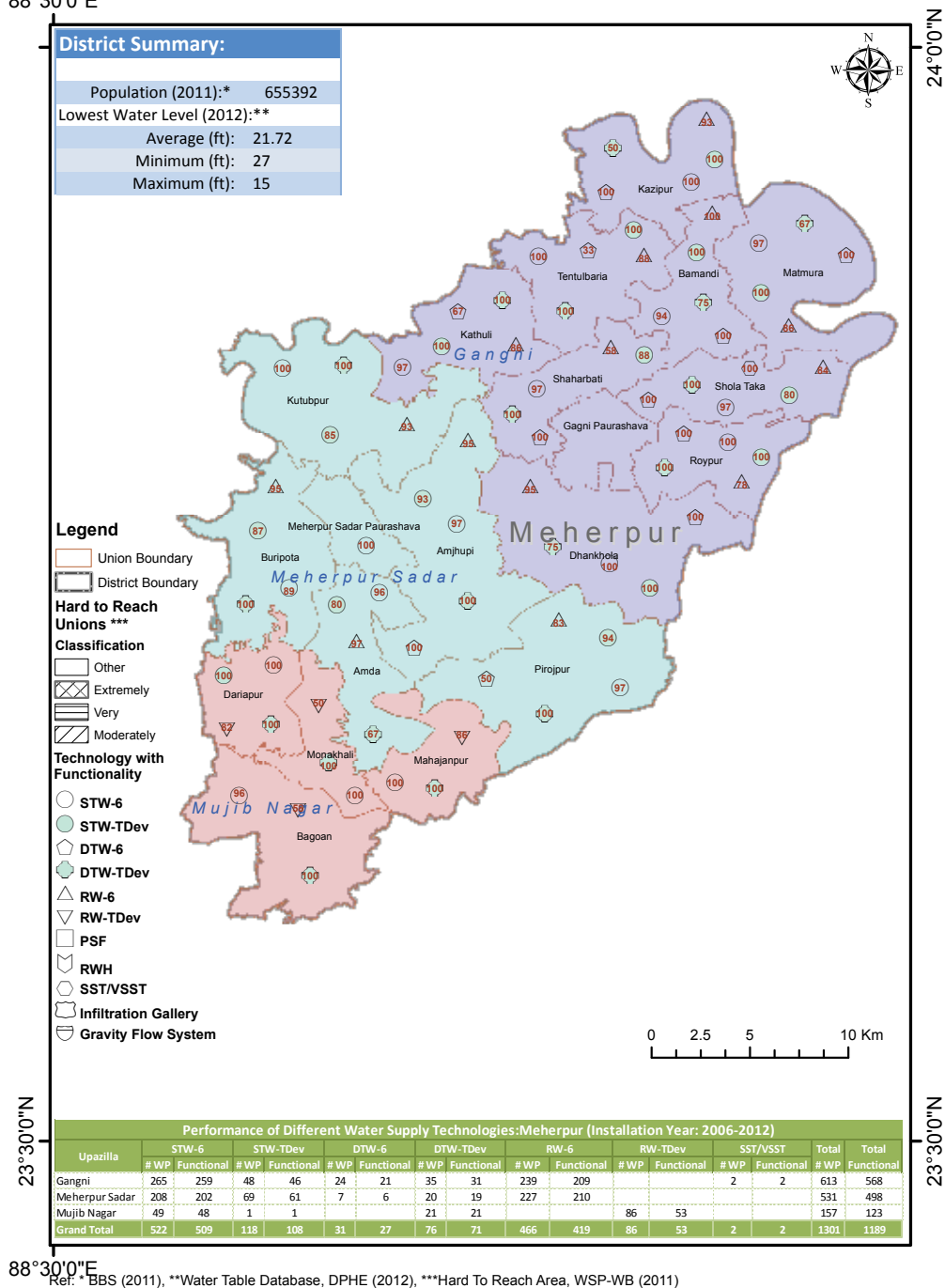
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Division : Khulna

District : Meherpur

88°30'0"E



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Division : Khulna

District : Narail

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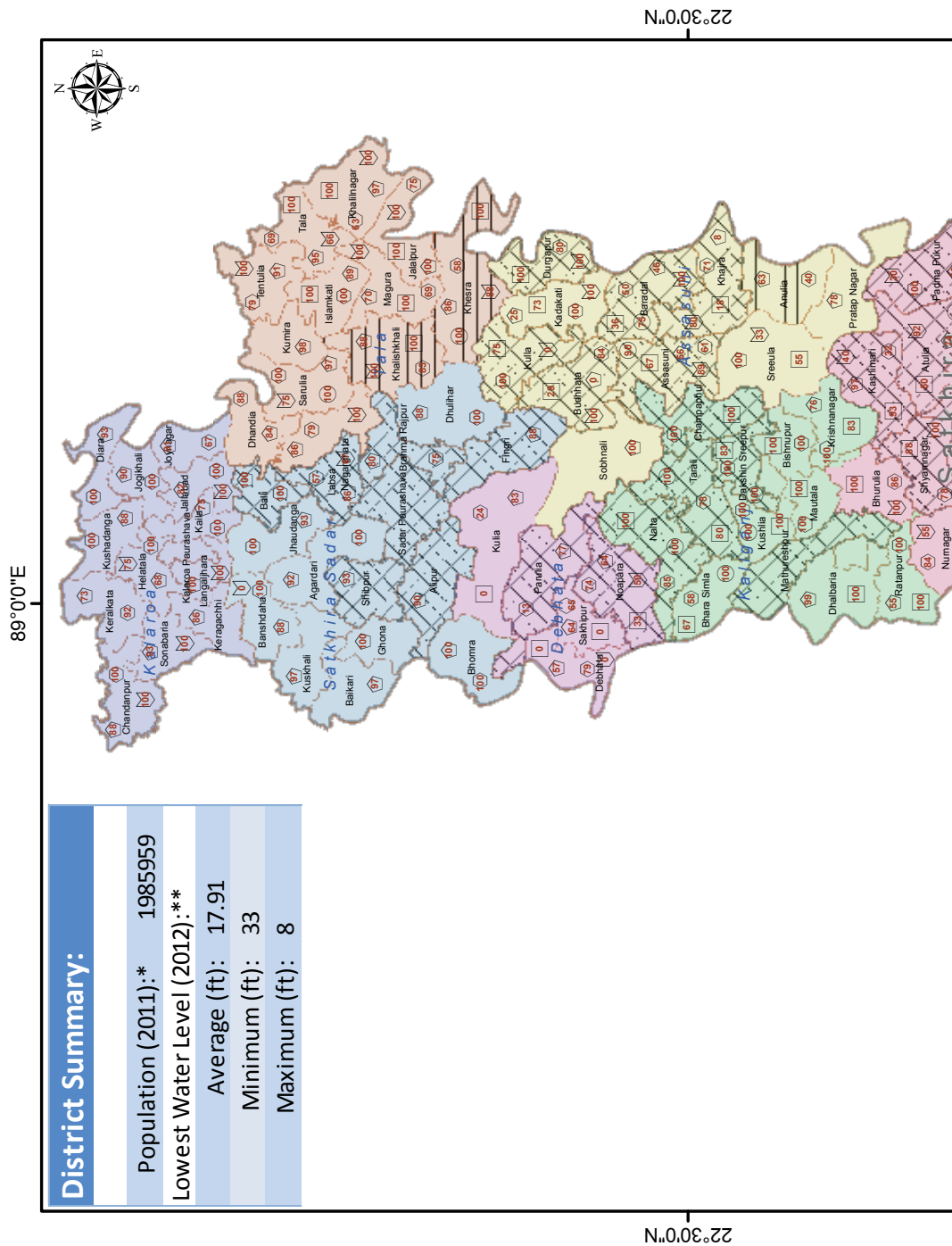


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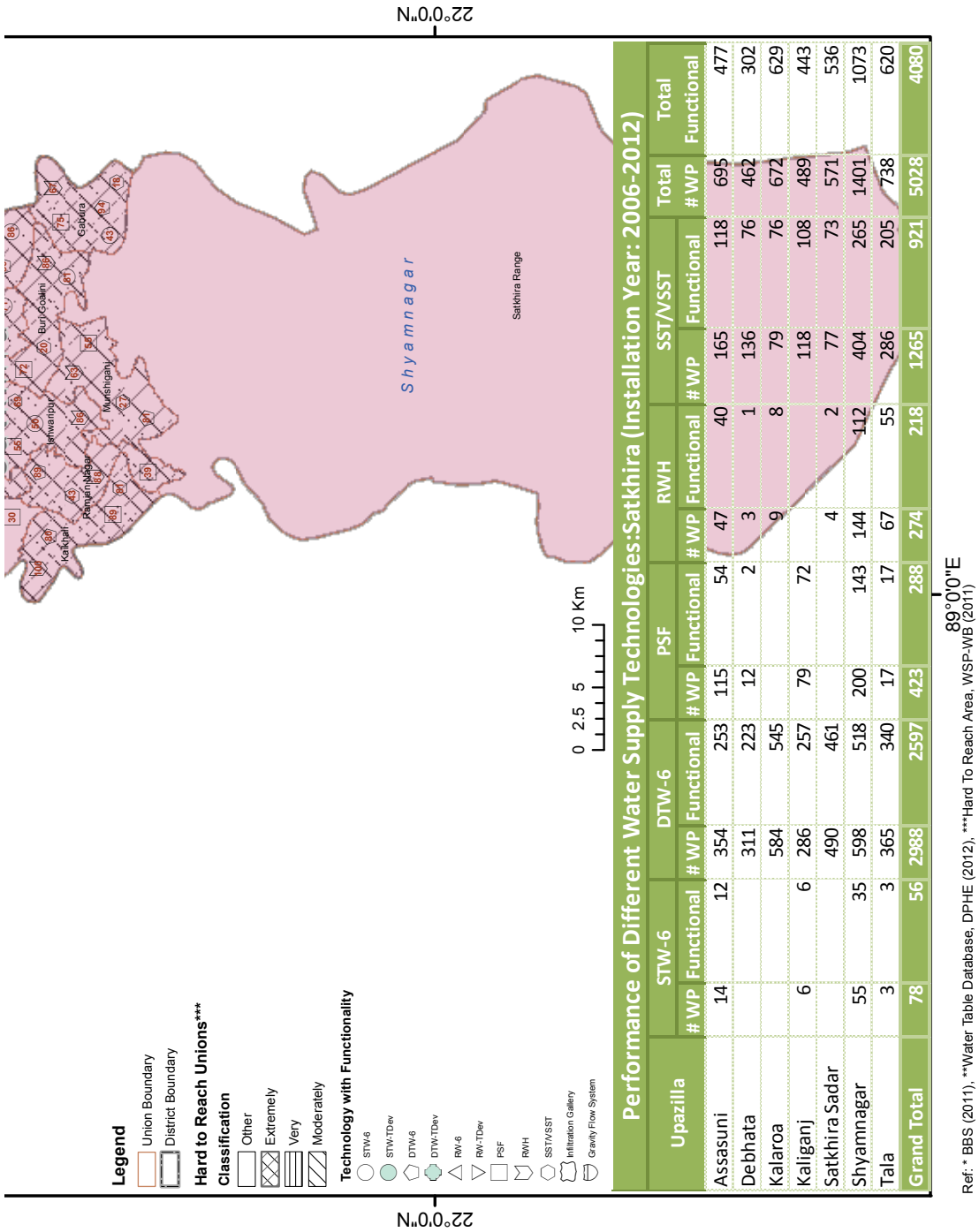
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Division : Khulna



District : Satkhira



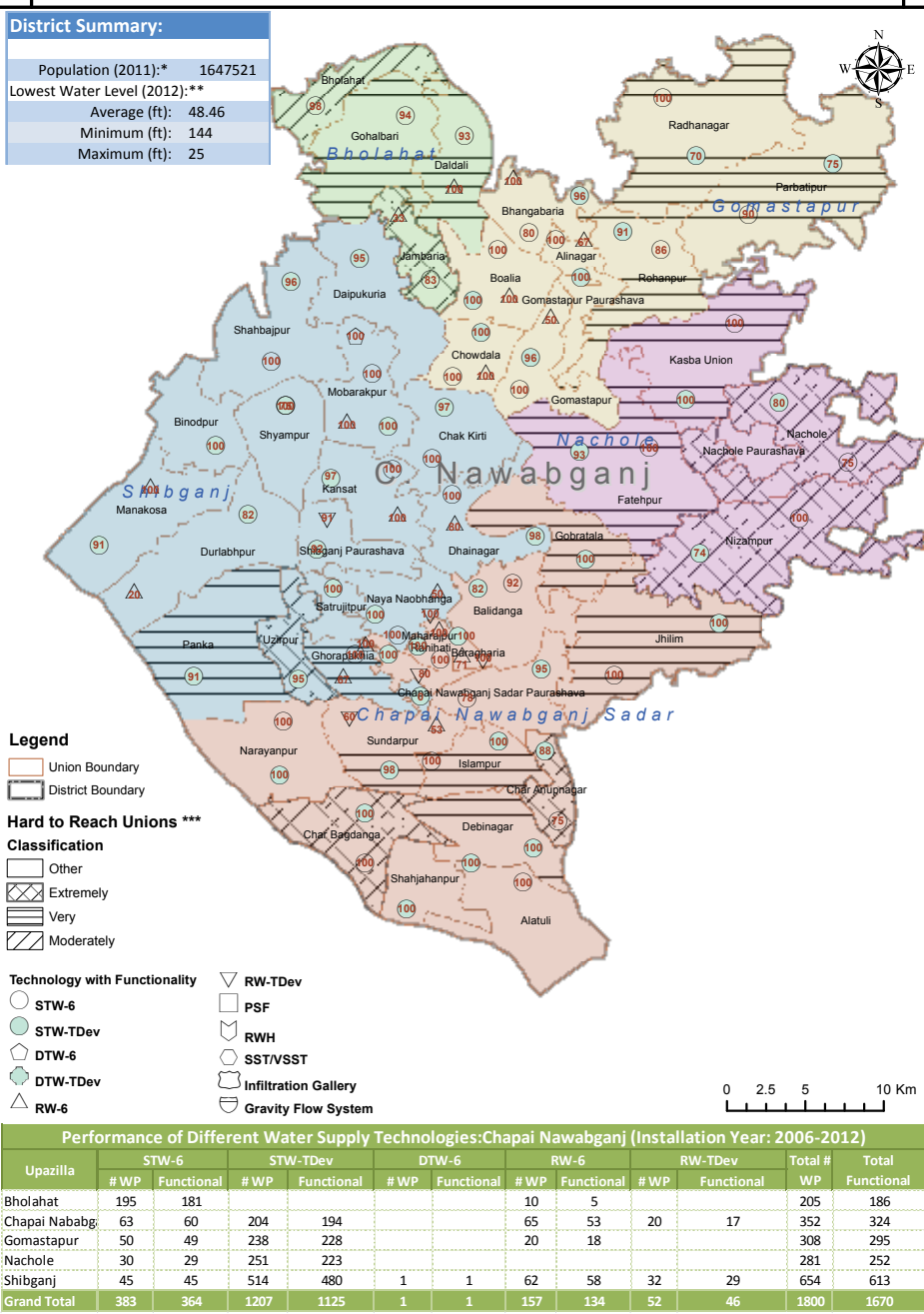


Division : Rajshahi

District : C. Nawabganj

88°0'0"E

88°30'0"E



88°0'0"E

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88°30'0"E



Division : Rajshahi

District : Naogaon

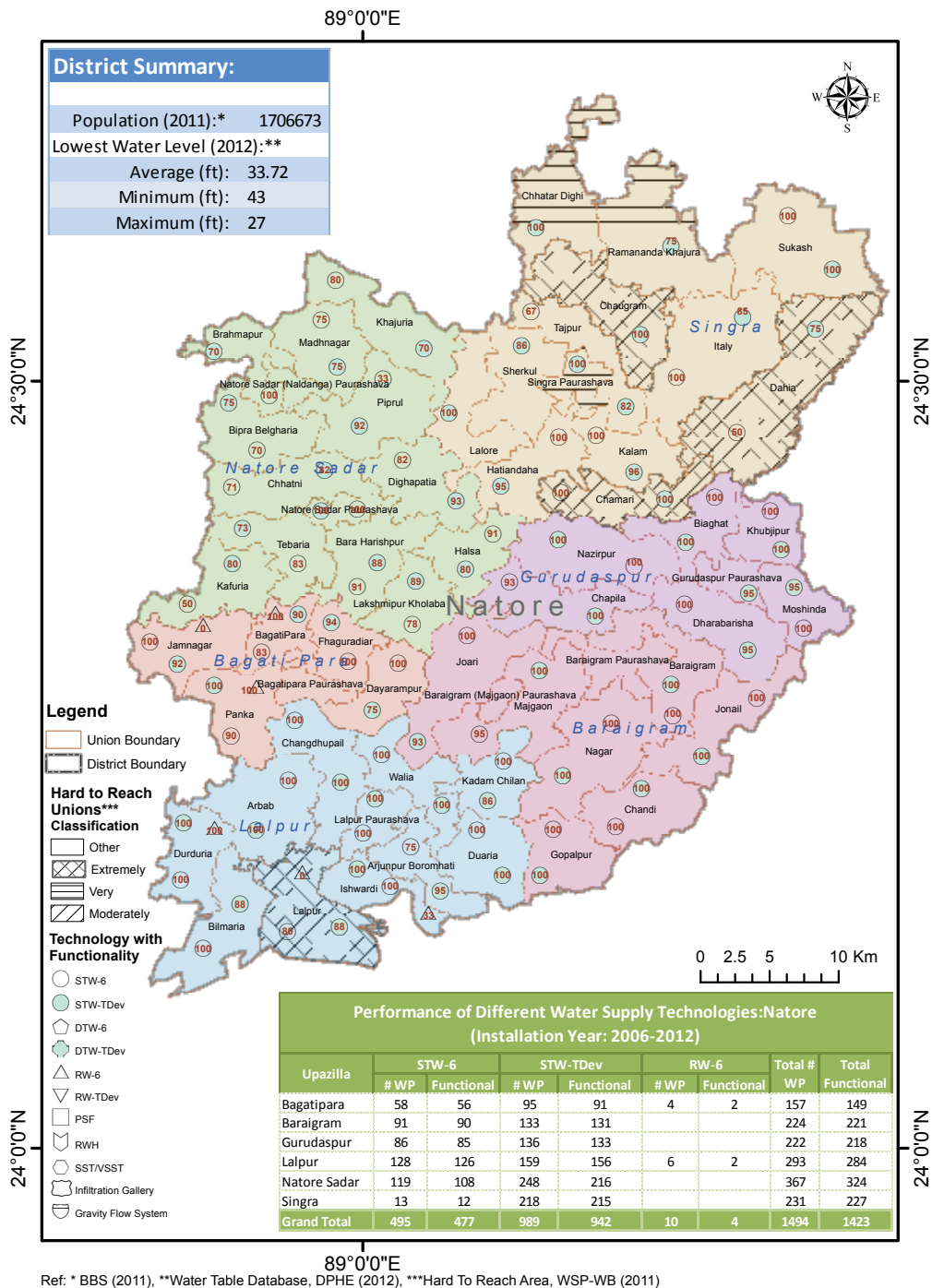


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Division : Rajshahi

District : Natore

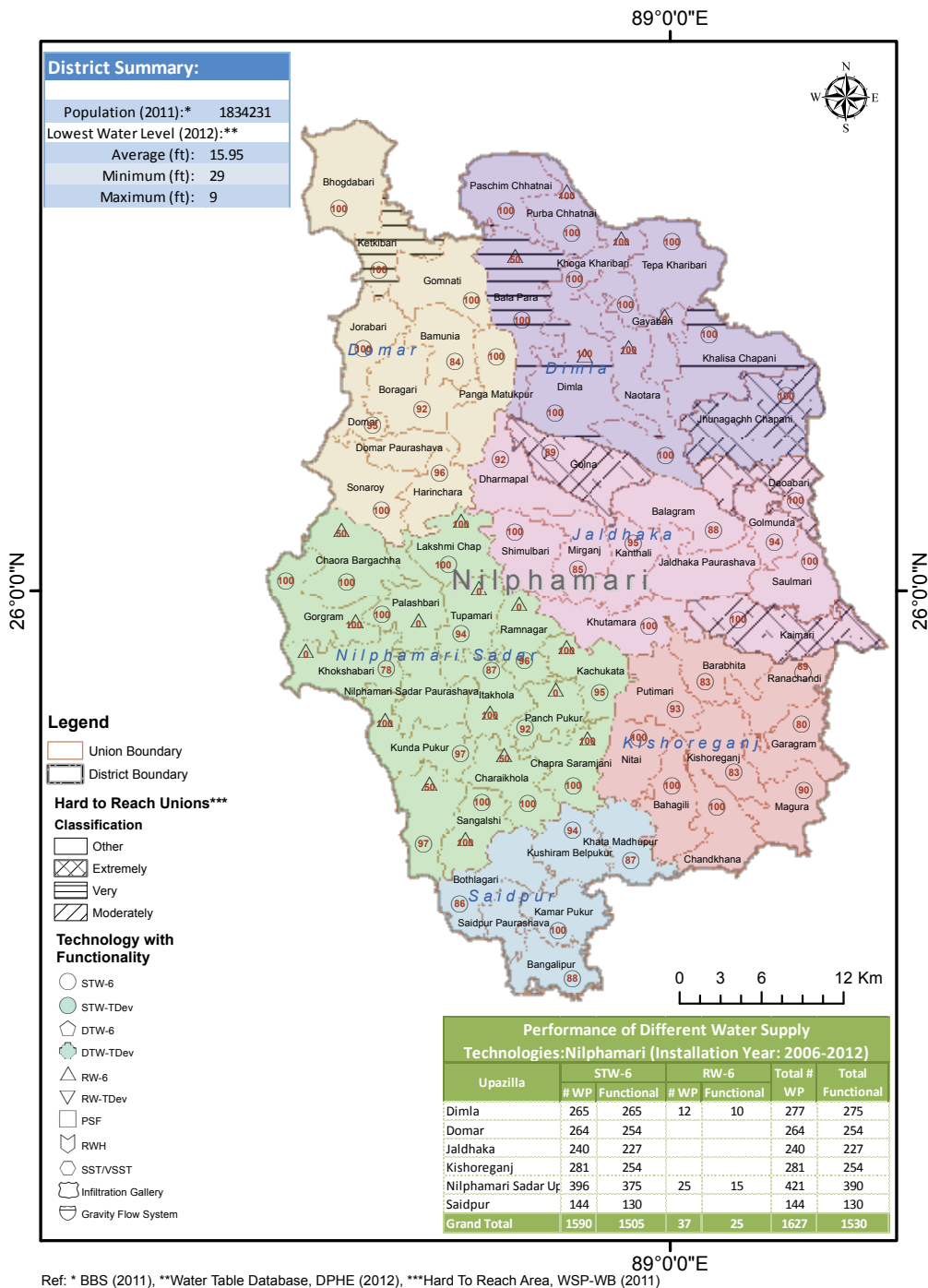


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Division : Rajshahi

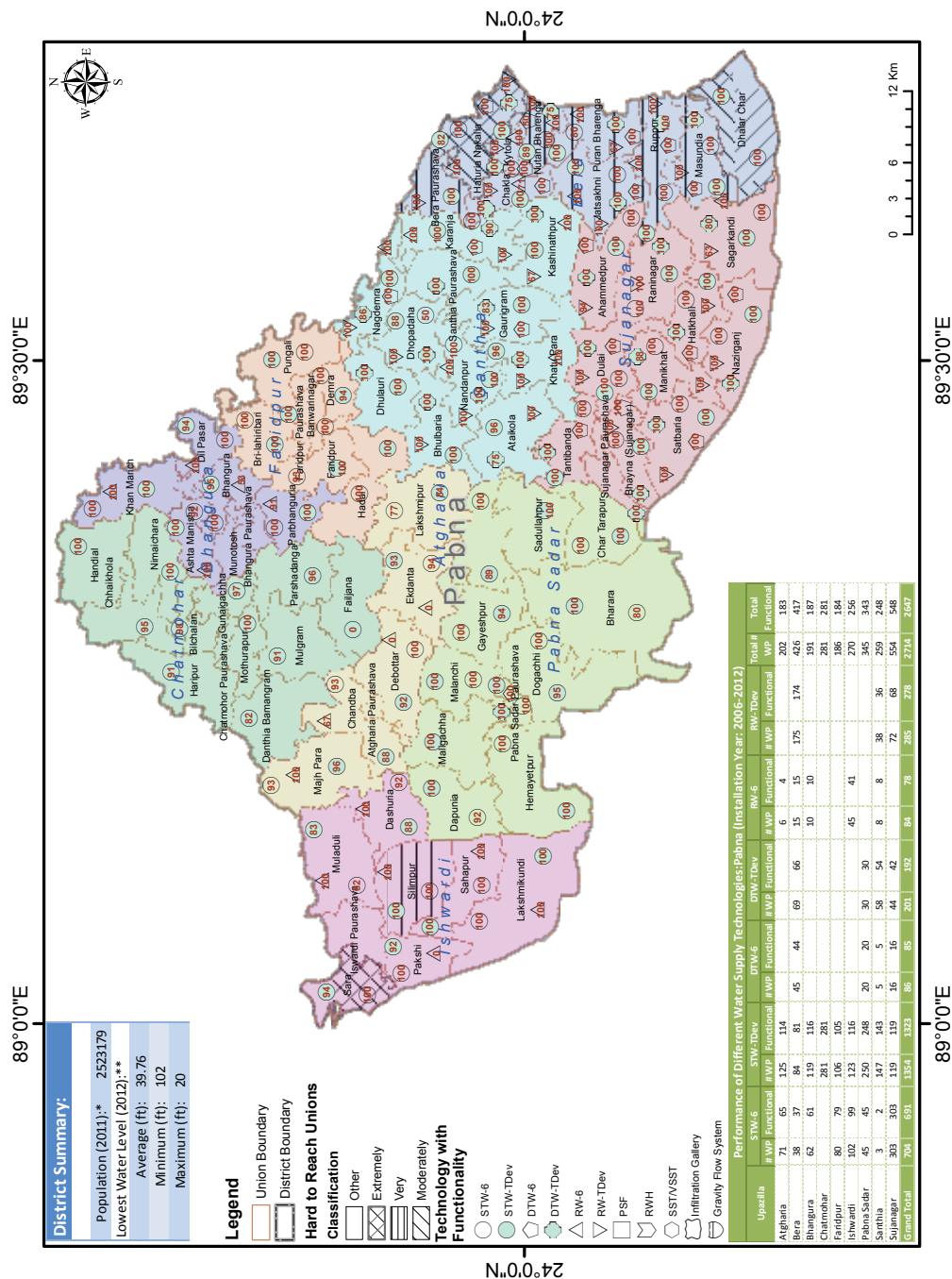
District : Nilphamari





Division : Rajshahi

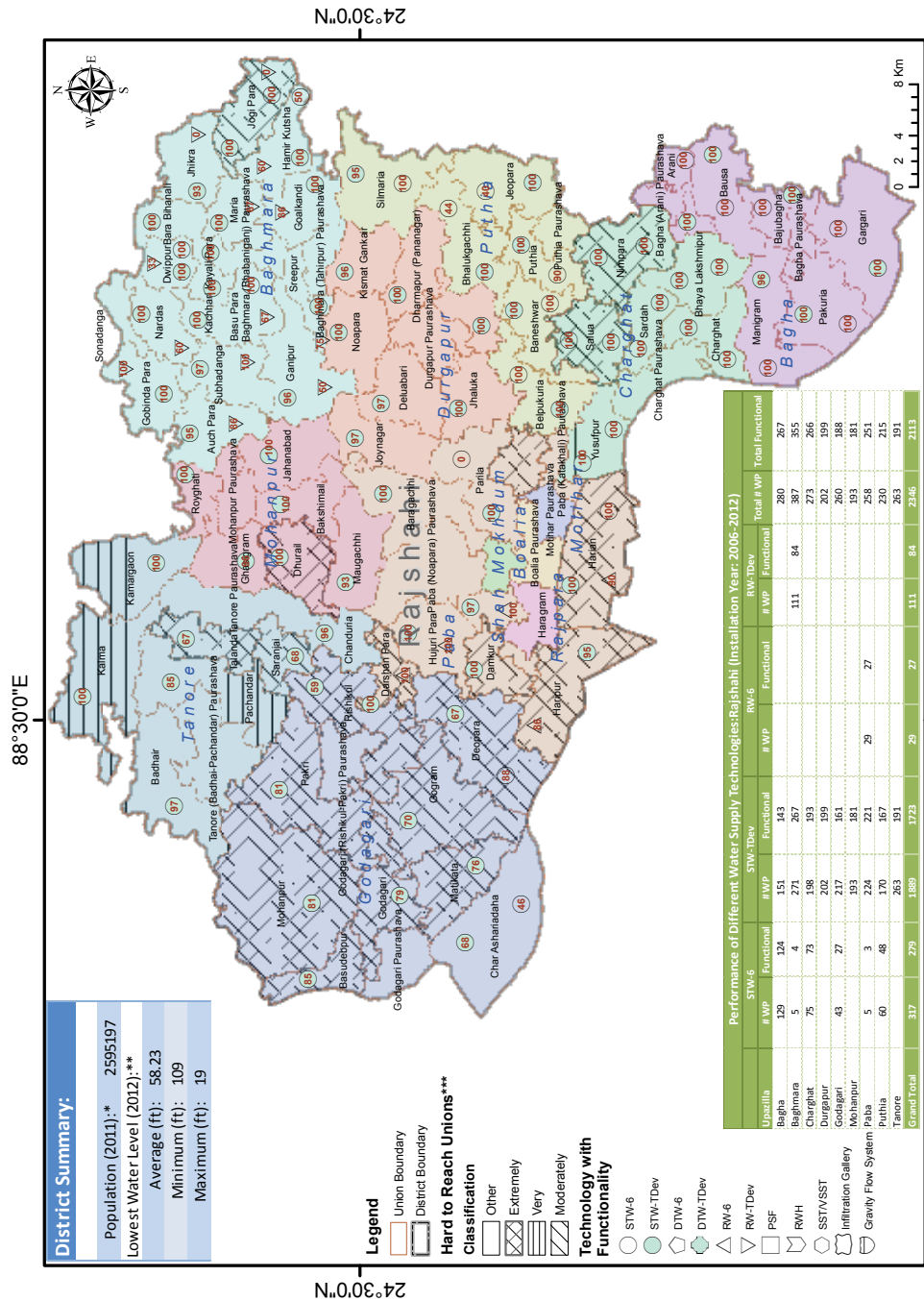
District : Pabna





Division : Rajshahi

District : Rajshahi



Ref: *BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rajshahi

District : Sirajganj

89°30'0"E



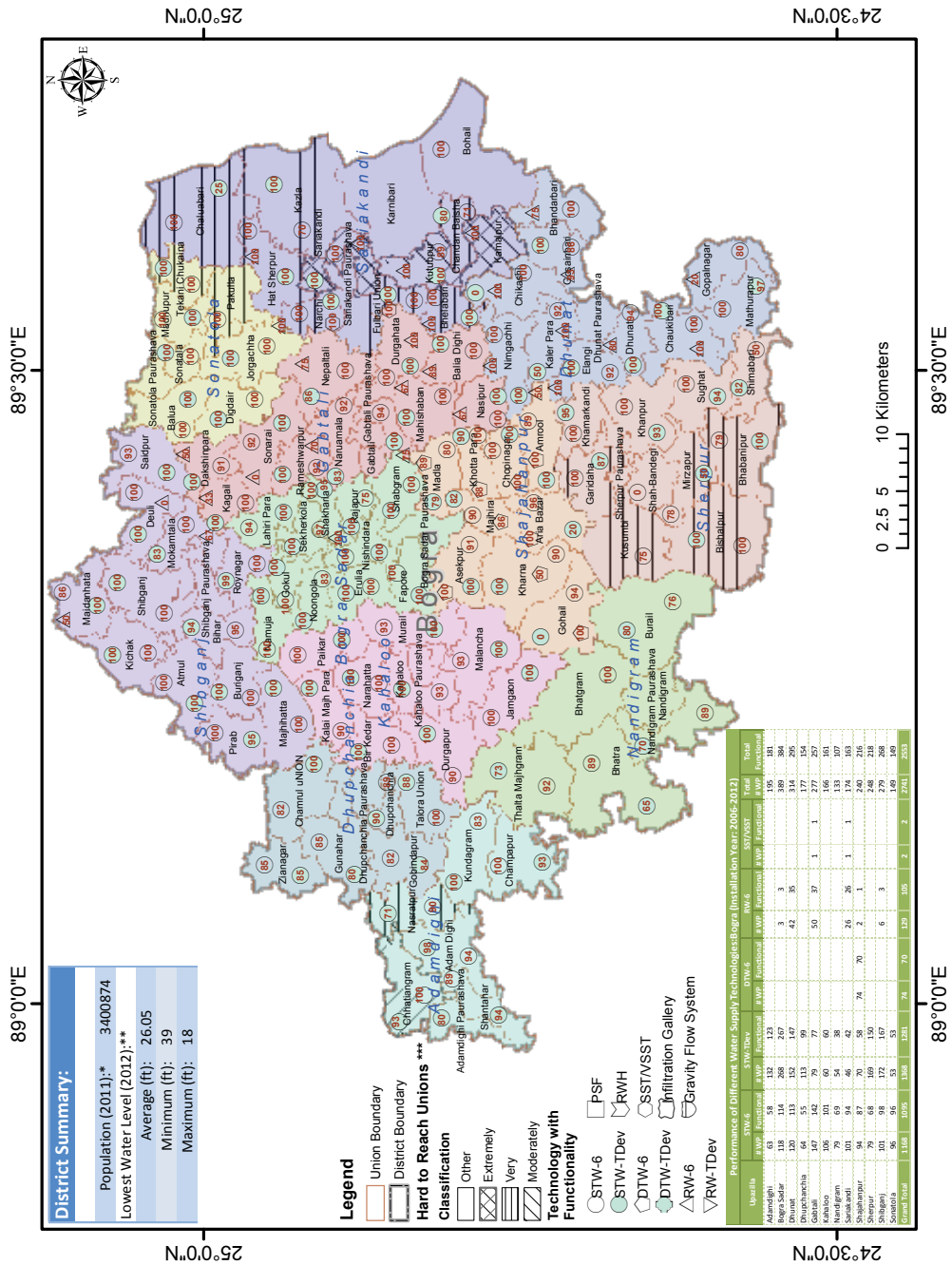
89°30'0"E

Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rangpur

District : Bogra

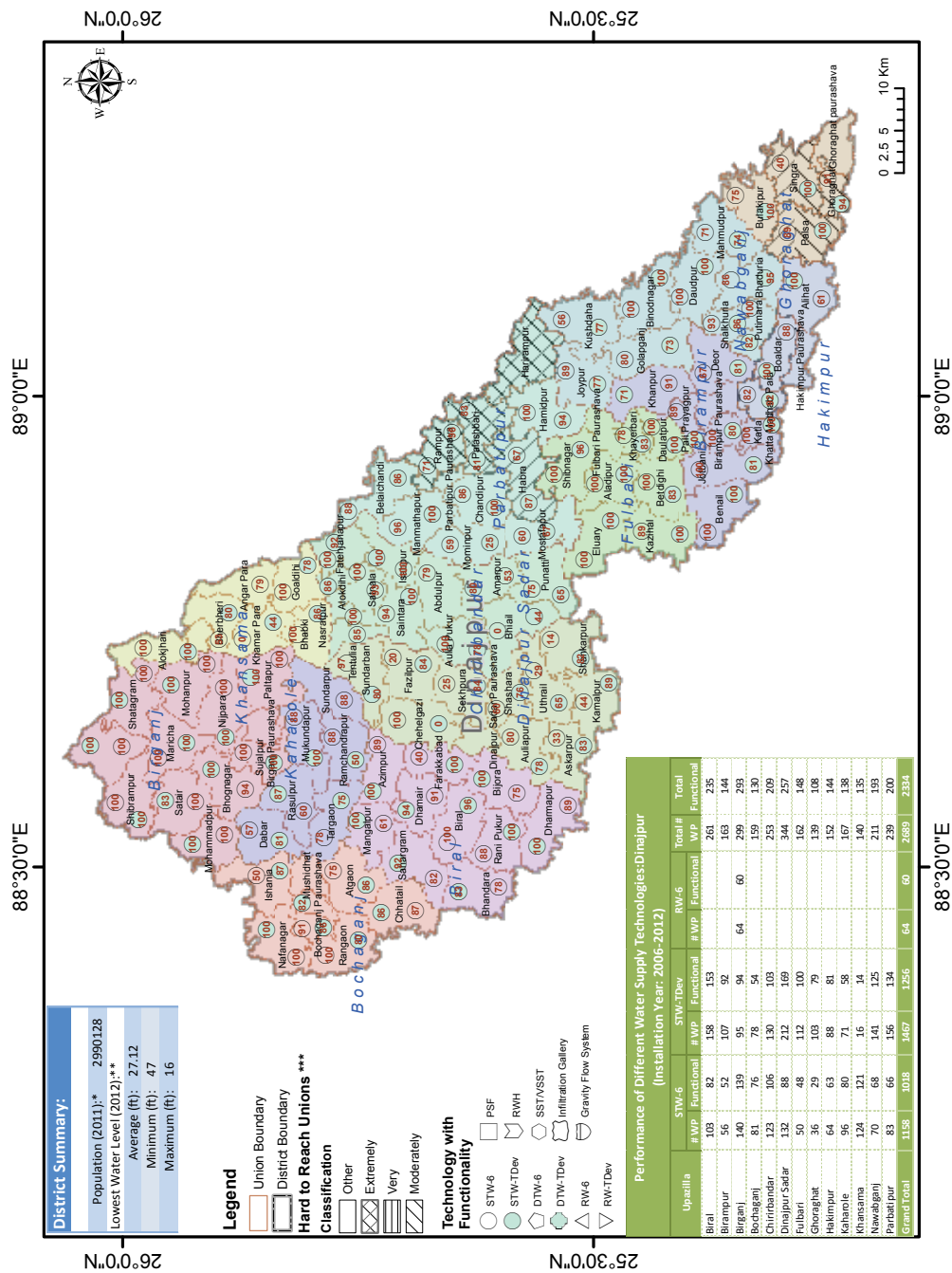


Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rangpur

District : Dinajpur

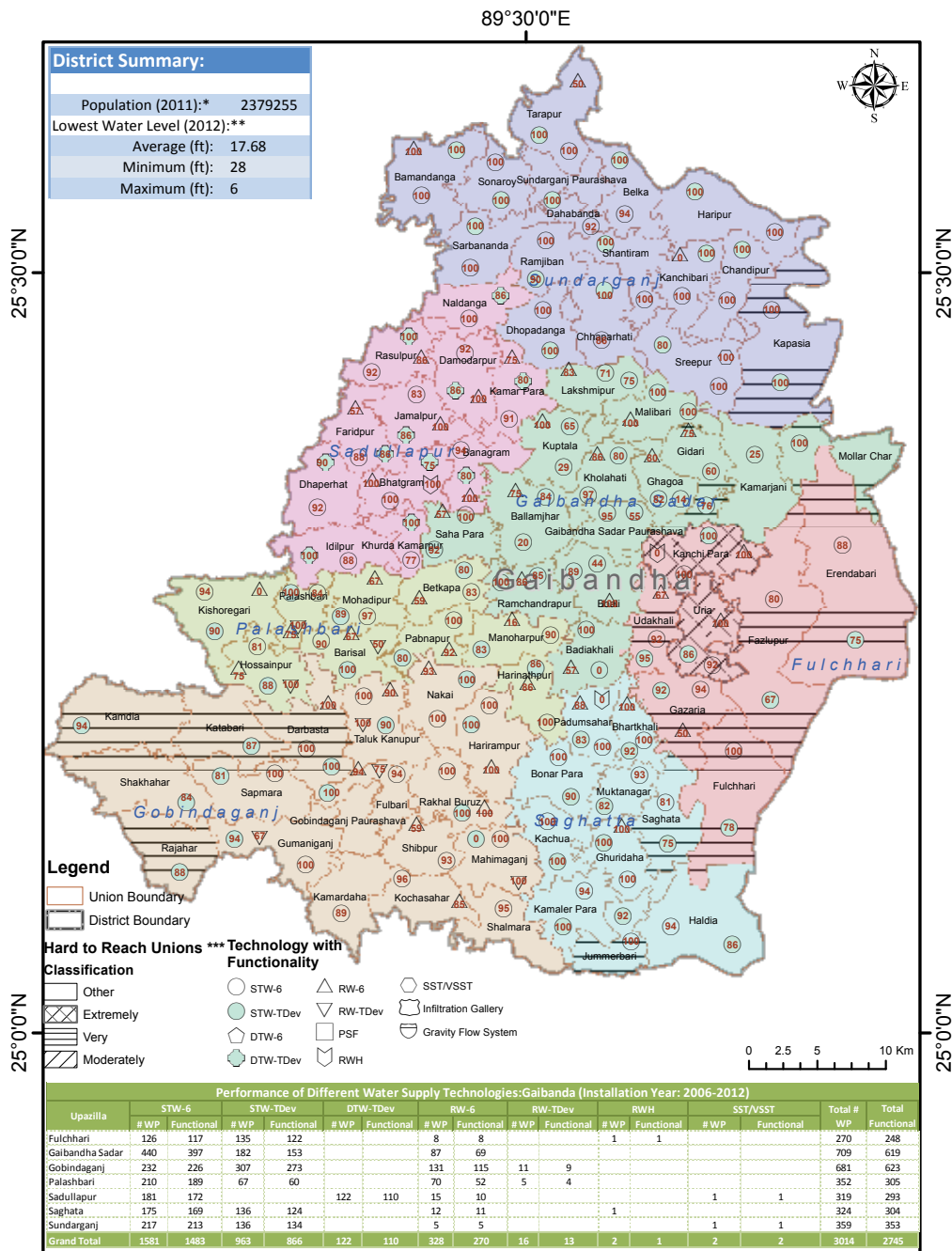


Ref. * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rangpur

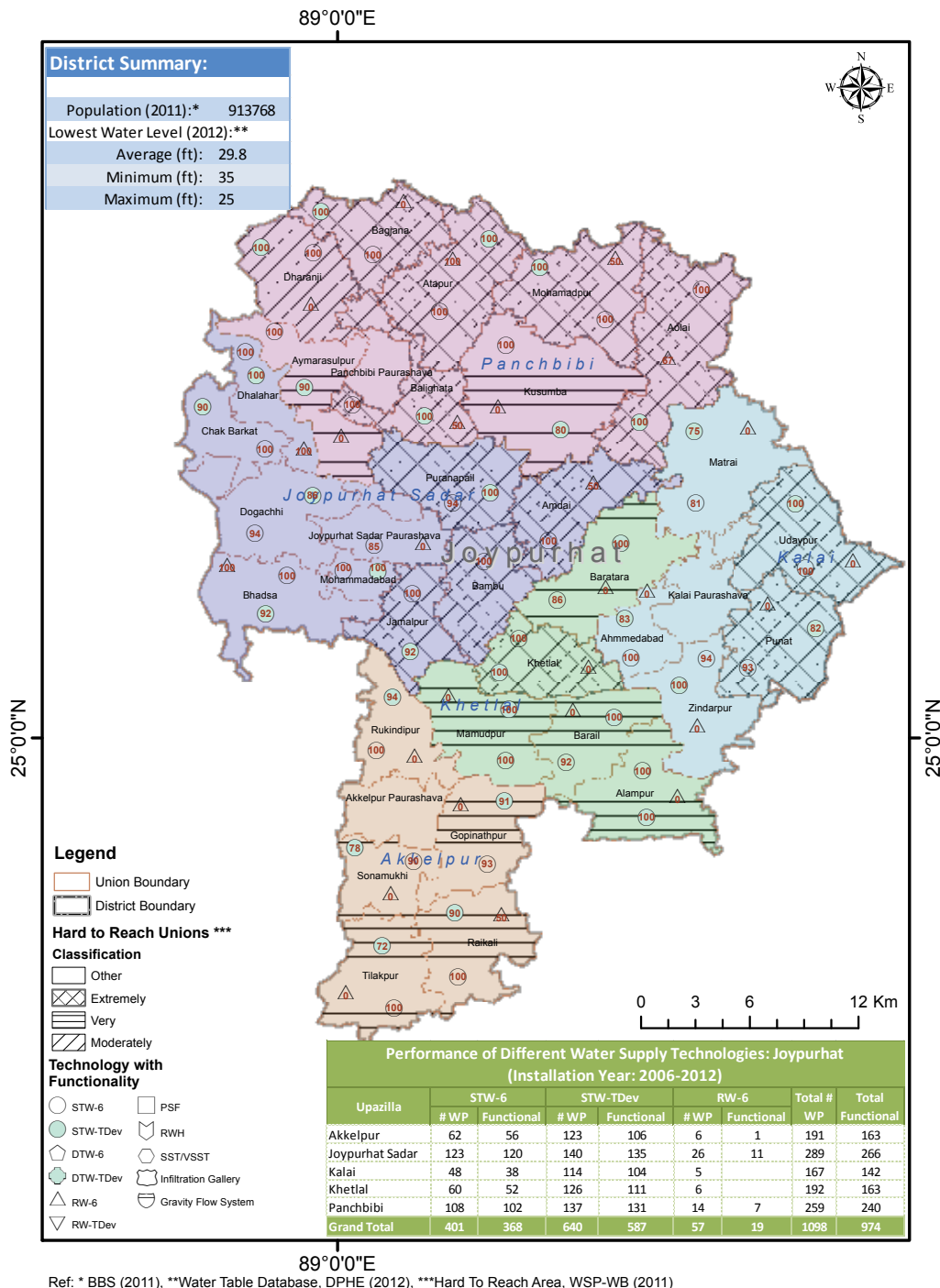
District : Gaibandha





Division : Rangpur

District : Joypurhat



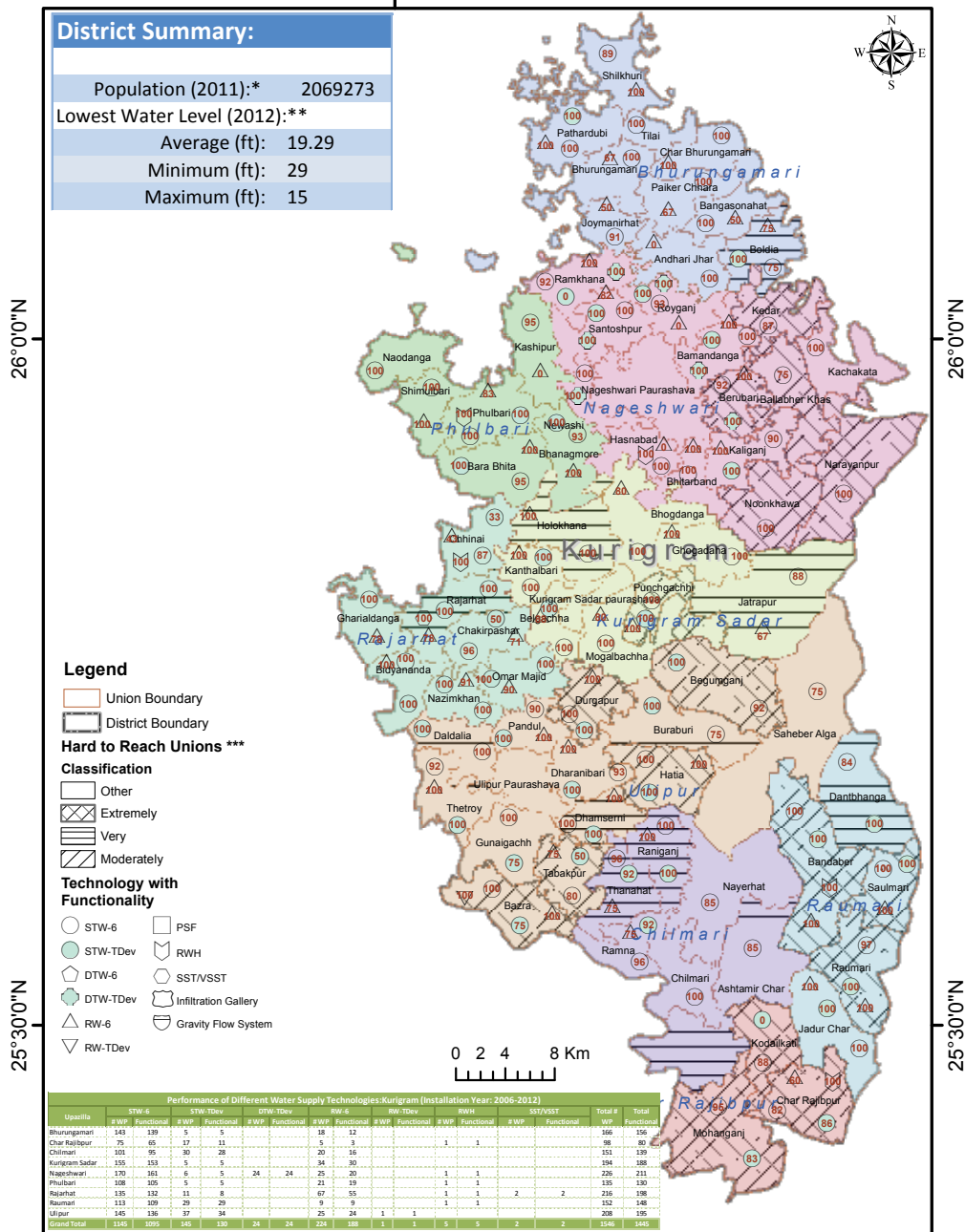
Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rangpur

District : Kurigram

89°30'0"E



89°30'0"E

Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard to Reach Area, WSP-WB (2011)



Division : Rangpur

District : Lalmonirhat



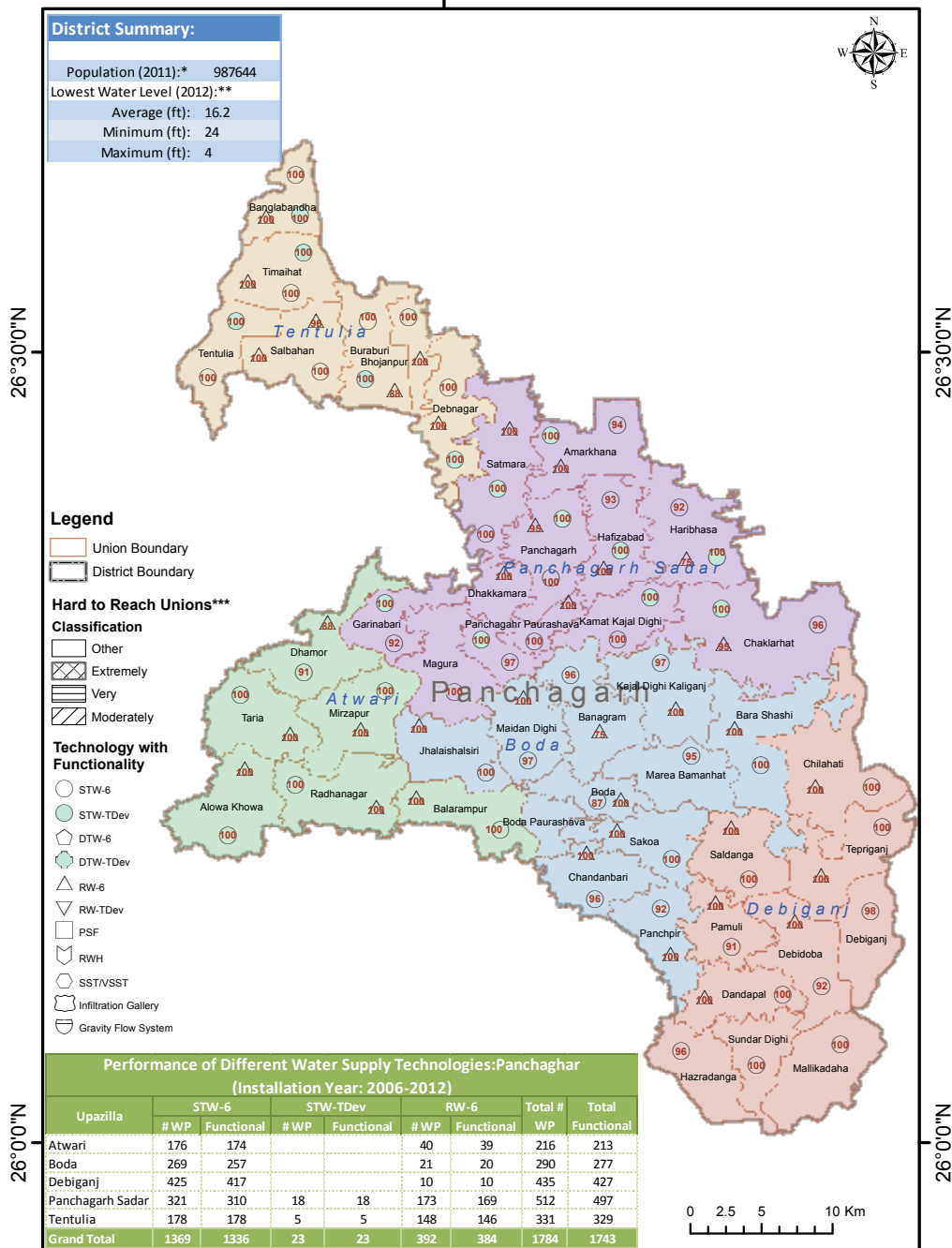
Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rangpur

District : Panchagarh

88°30'0"E



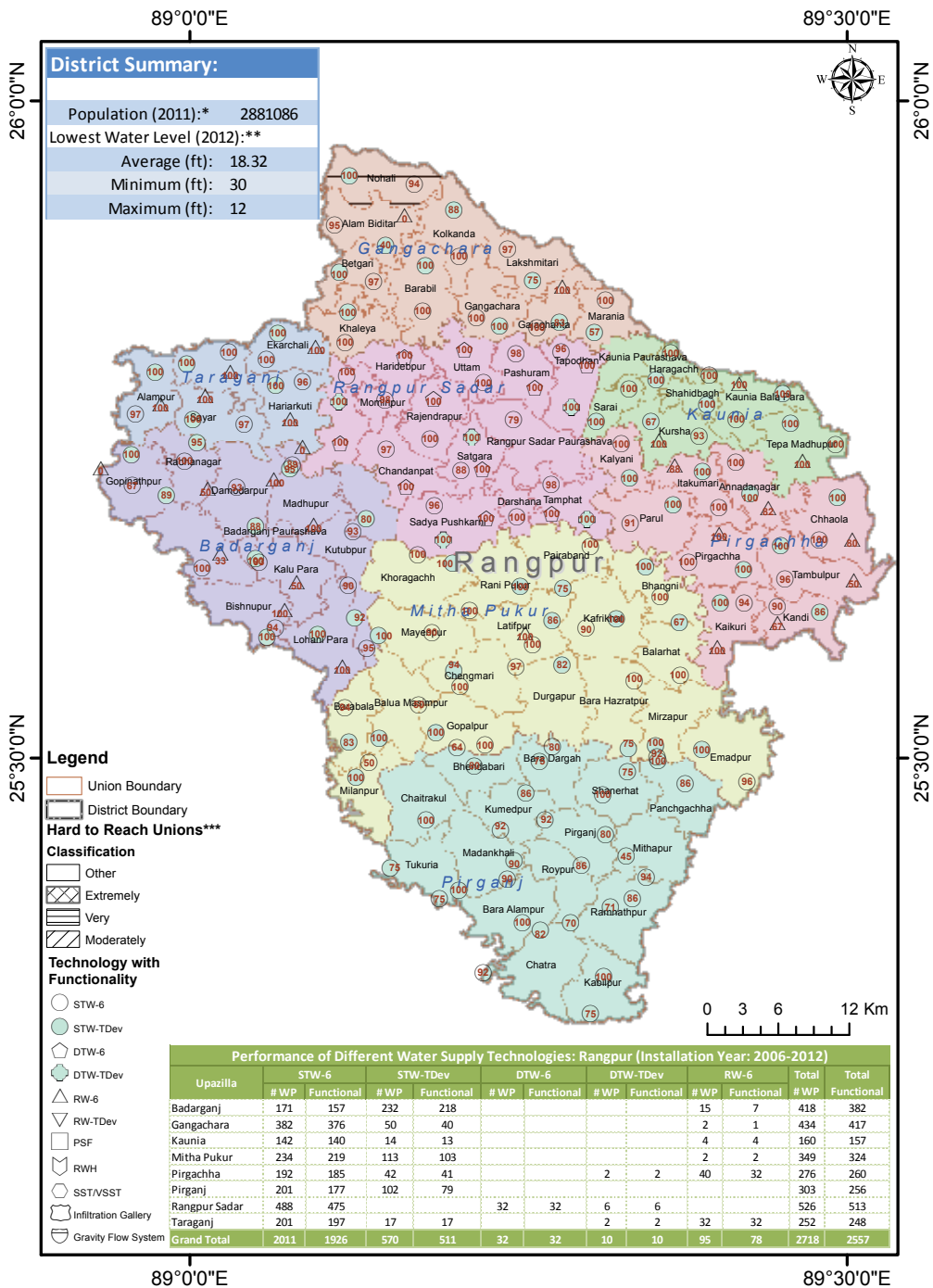
88°30'0"E

Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rangpur

District : Rangpur



Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Rangpur

District : Thakurgaon

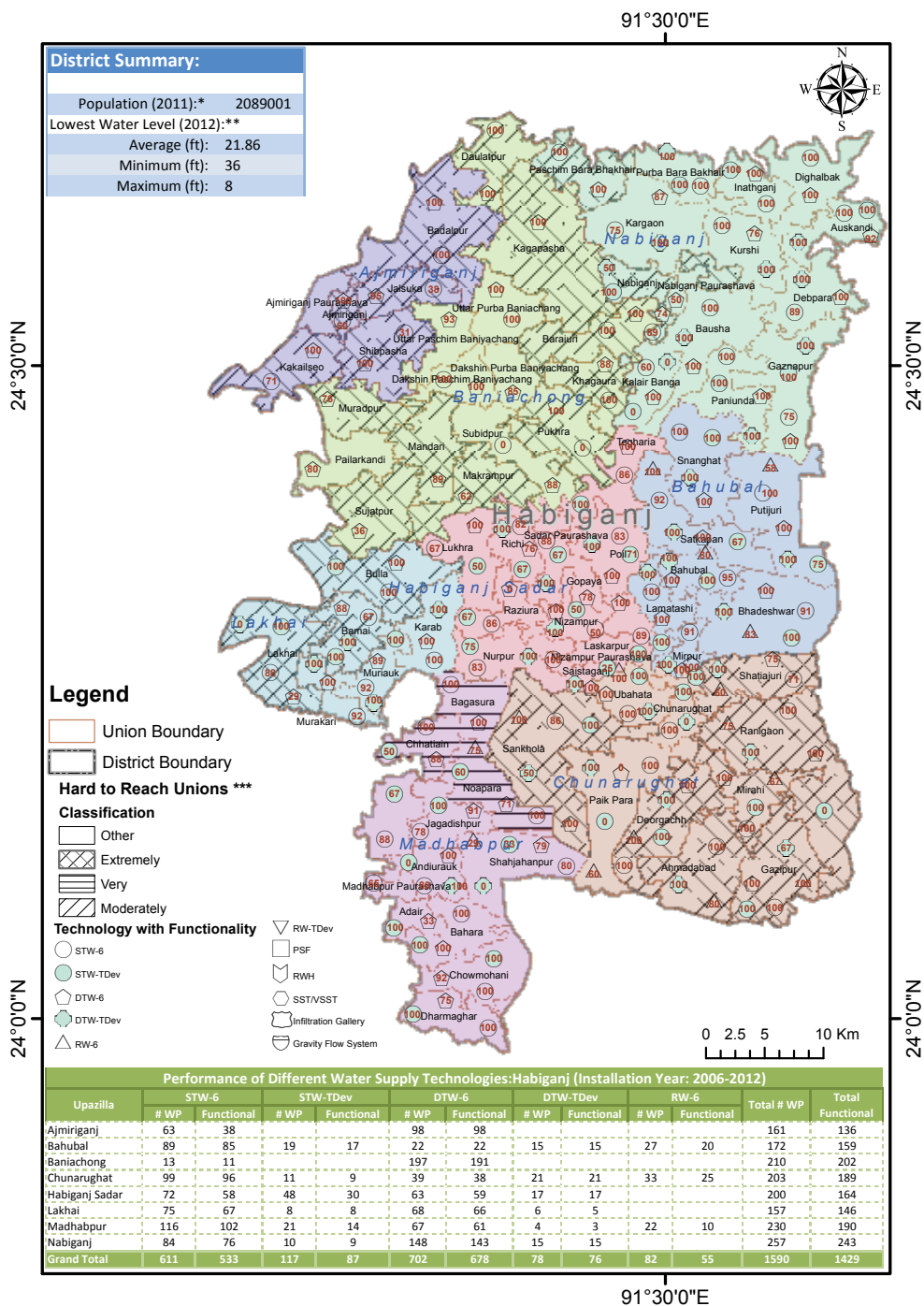


Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Sylhet

District : Habiganj



Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Sylhet

District : Maulvibazar



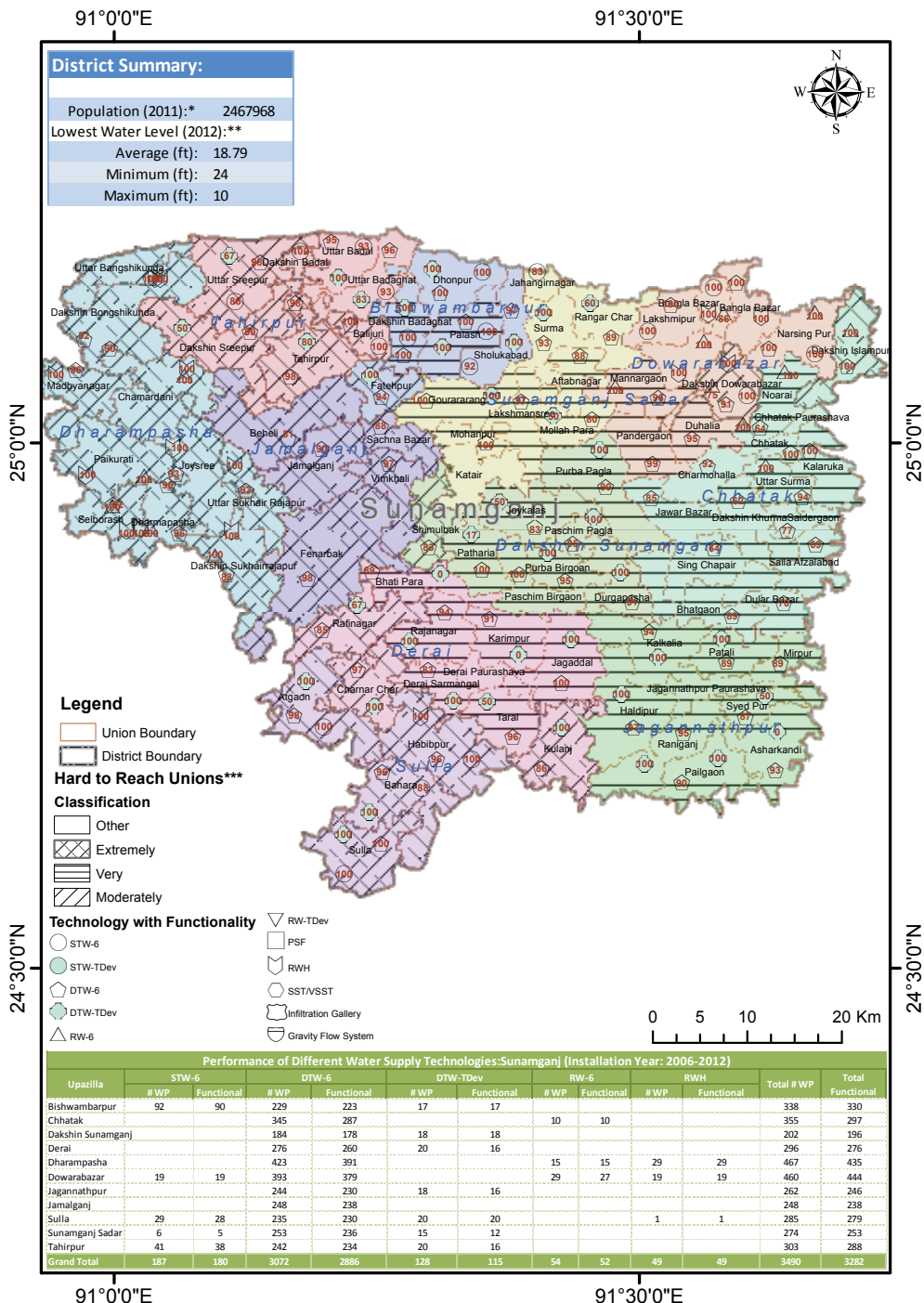
92°0'0"E

Ref: * BBS (2011), **Water Table Database, DPHE (2012), ***Hard To Reach Area, WSP-WB (2011)



Division : Sylhet

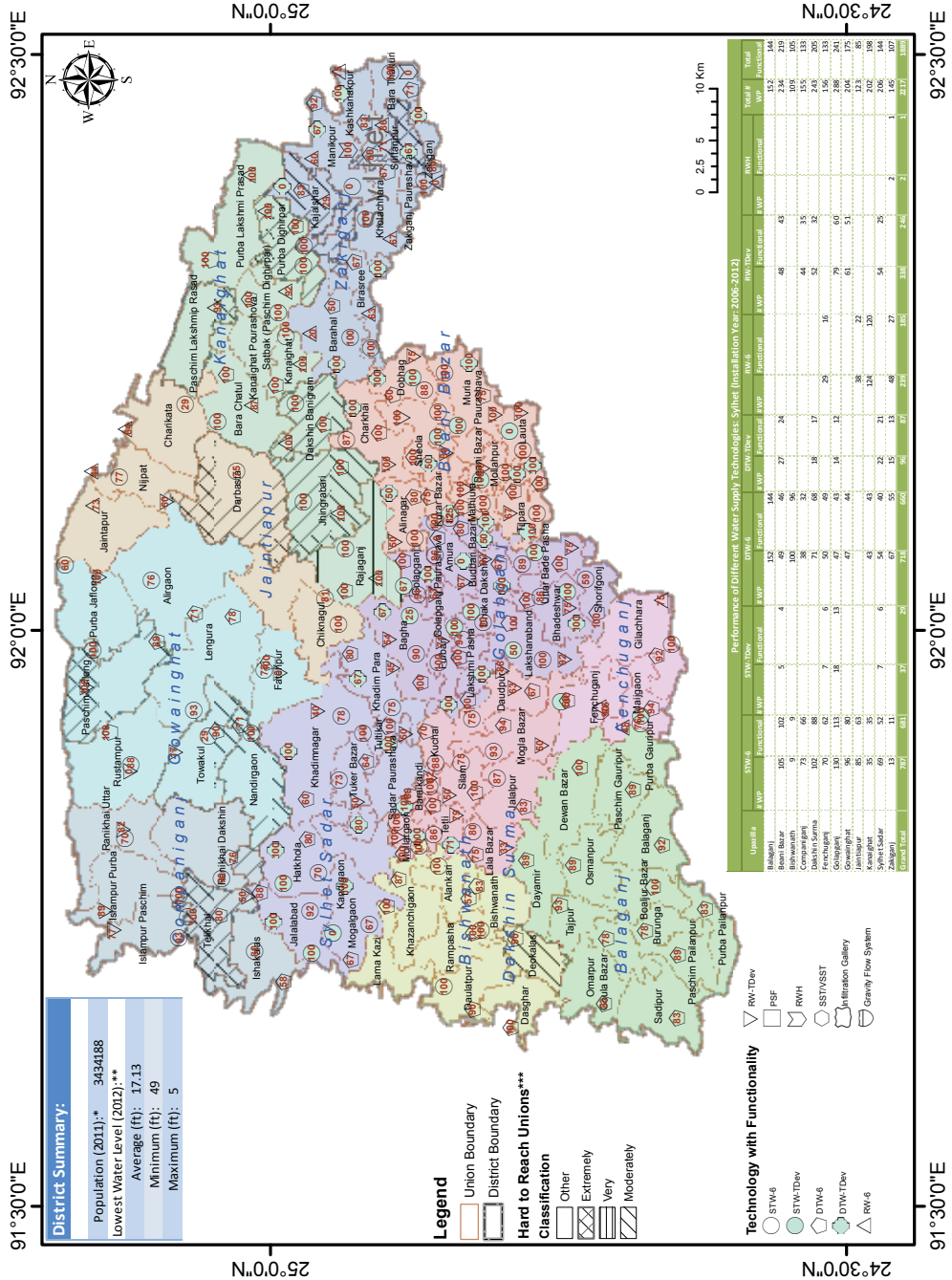
District : Sunamganj





Division : Sylhet

District : Sylhet



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