

図6 重金属 (2005年における最大値)

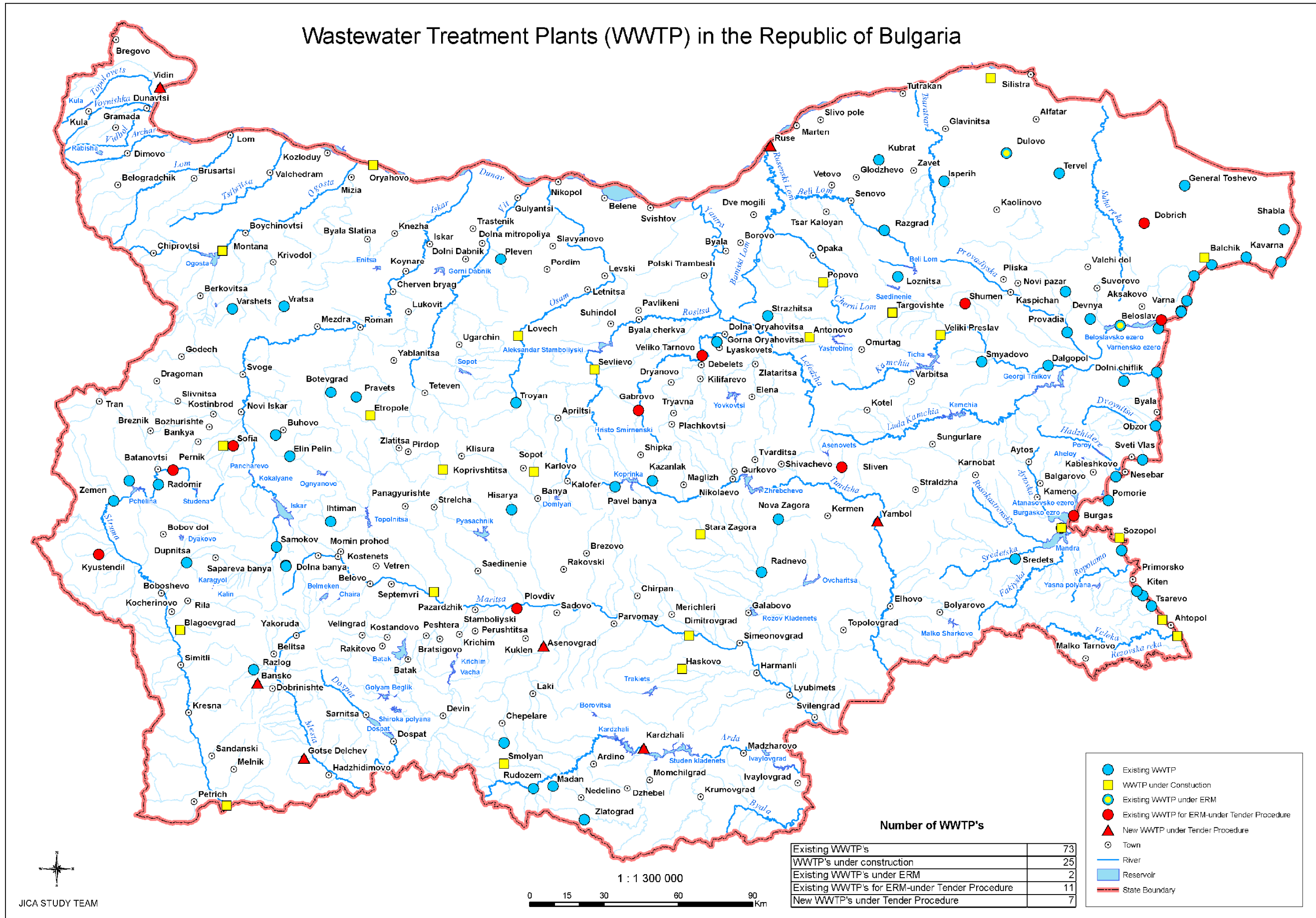


図7 既存下水処理場

EABD Proposed Priority Towns for Wastewater Treatment and Improvement of Sewerage Networks

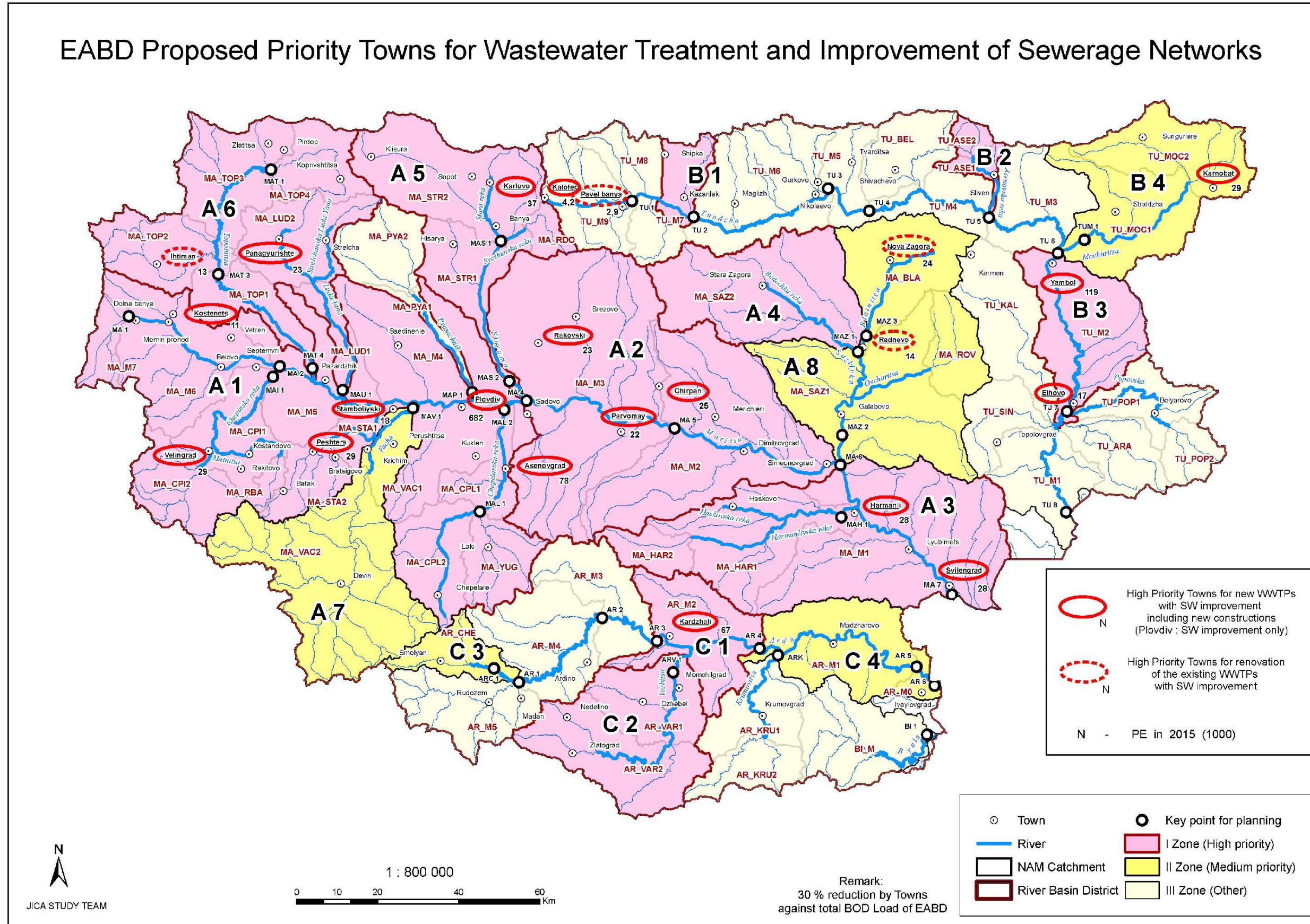


図 8 EABD における提案された下水処理の優先都市

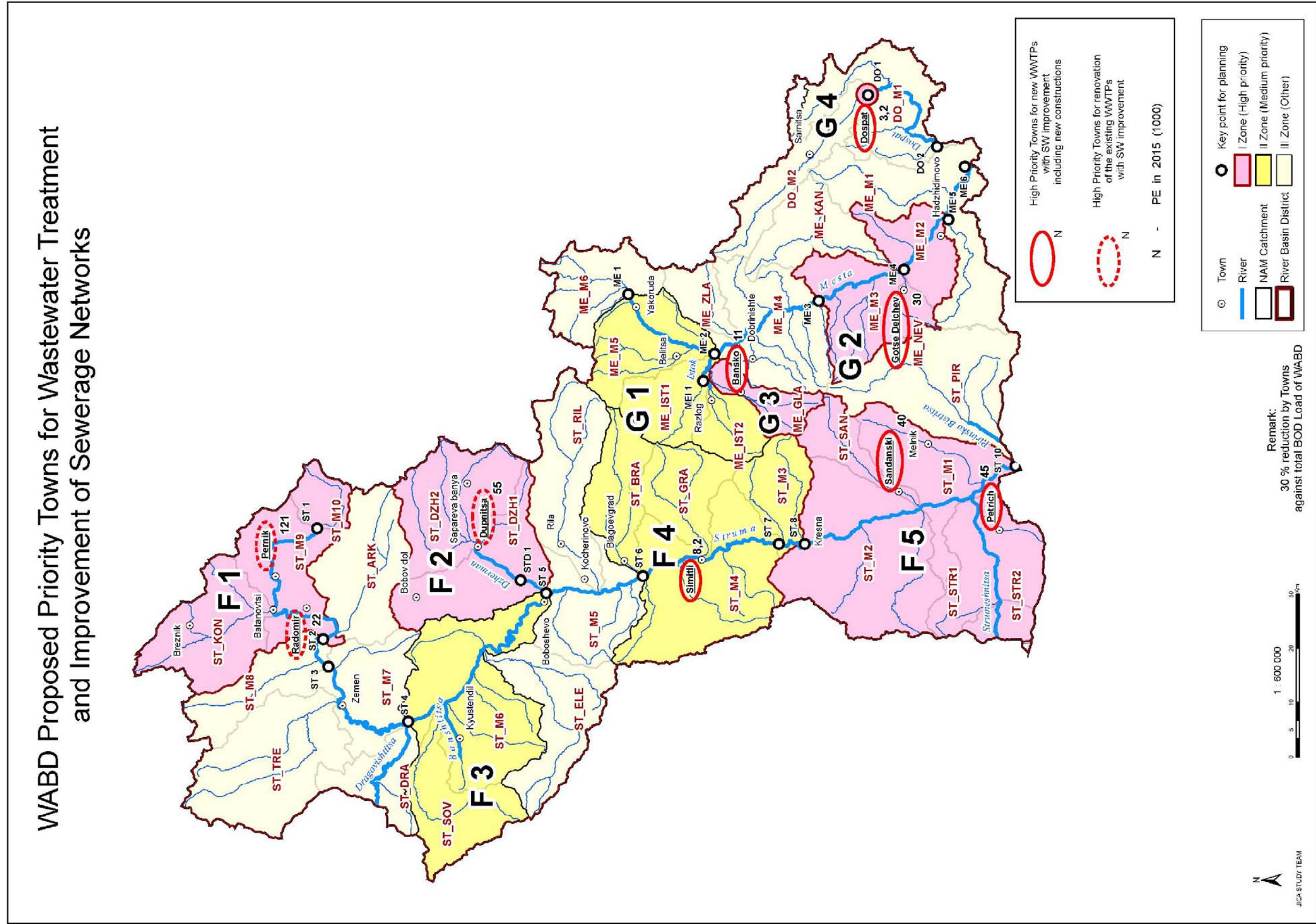


図9 WABDにおける提案された下水処理の優先都市

Proposed Key and Important Monitoring Zones in EABD and WABD

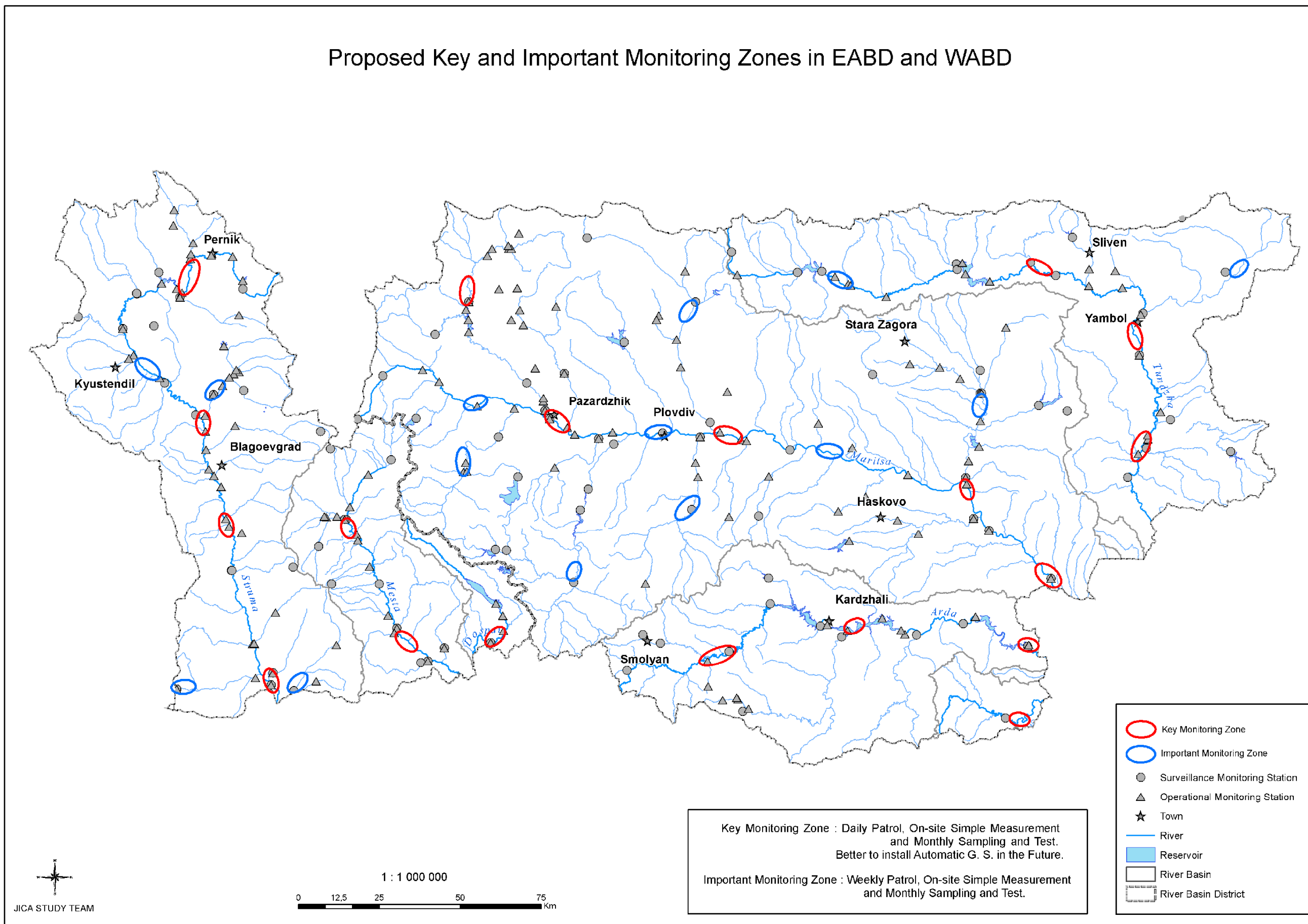


図 10 EABD および WABD における提案された基準ならびに重要モニタリング・ゾーン

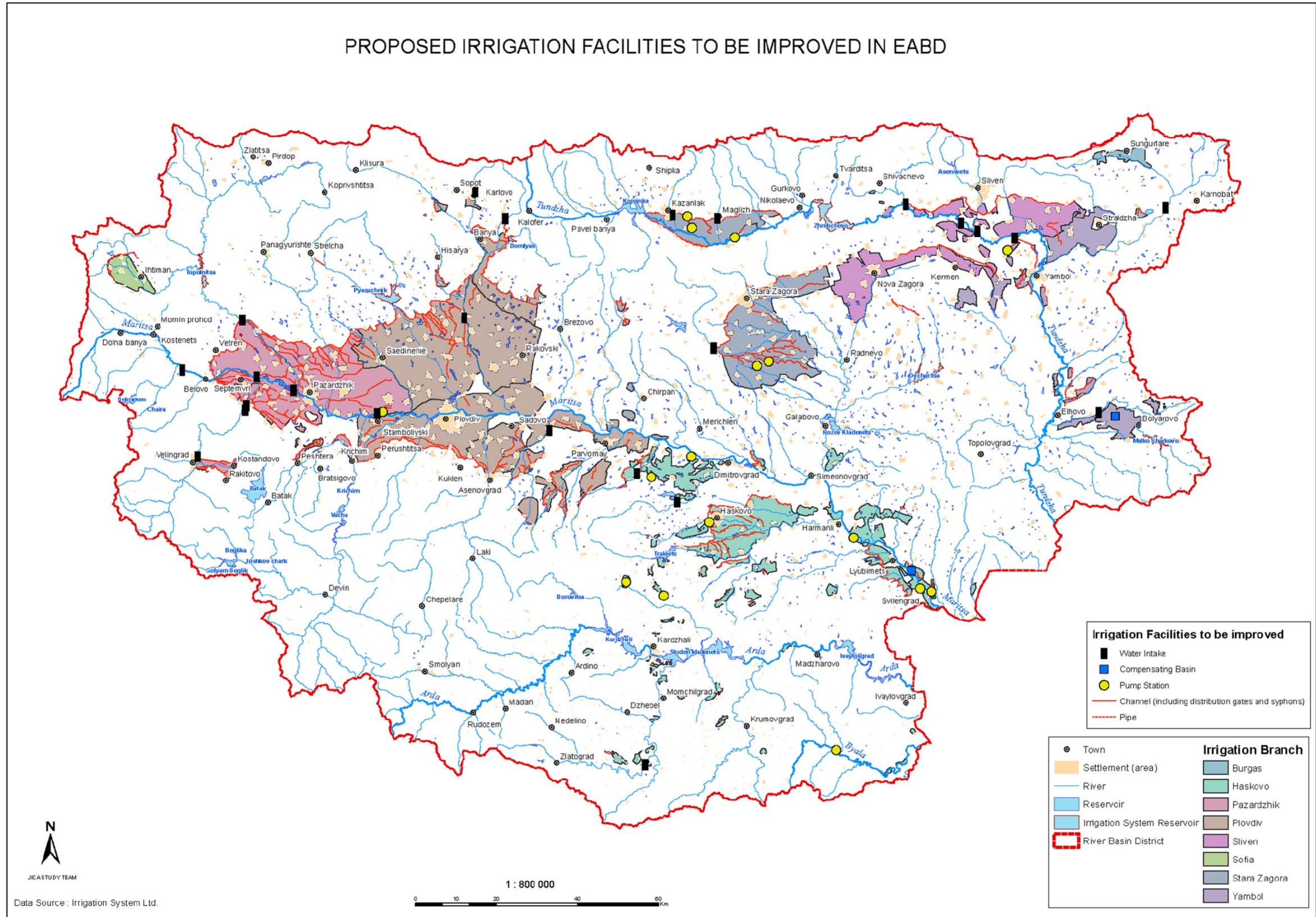
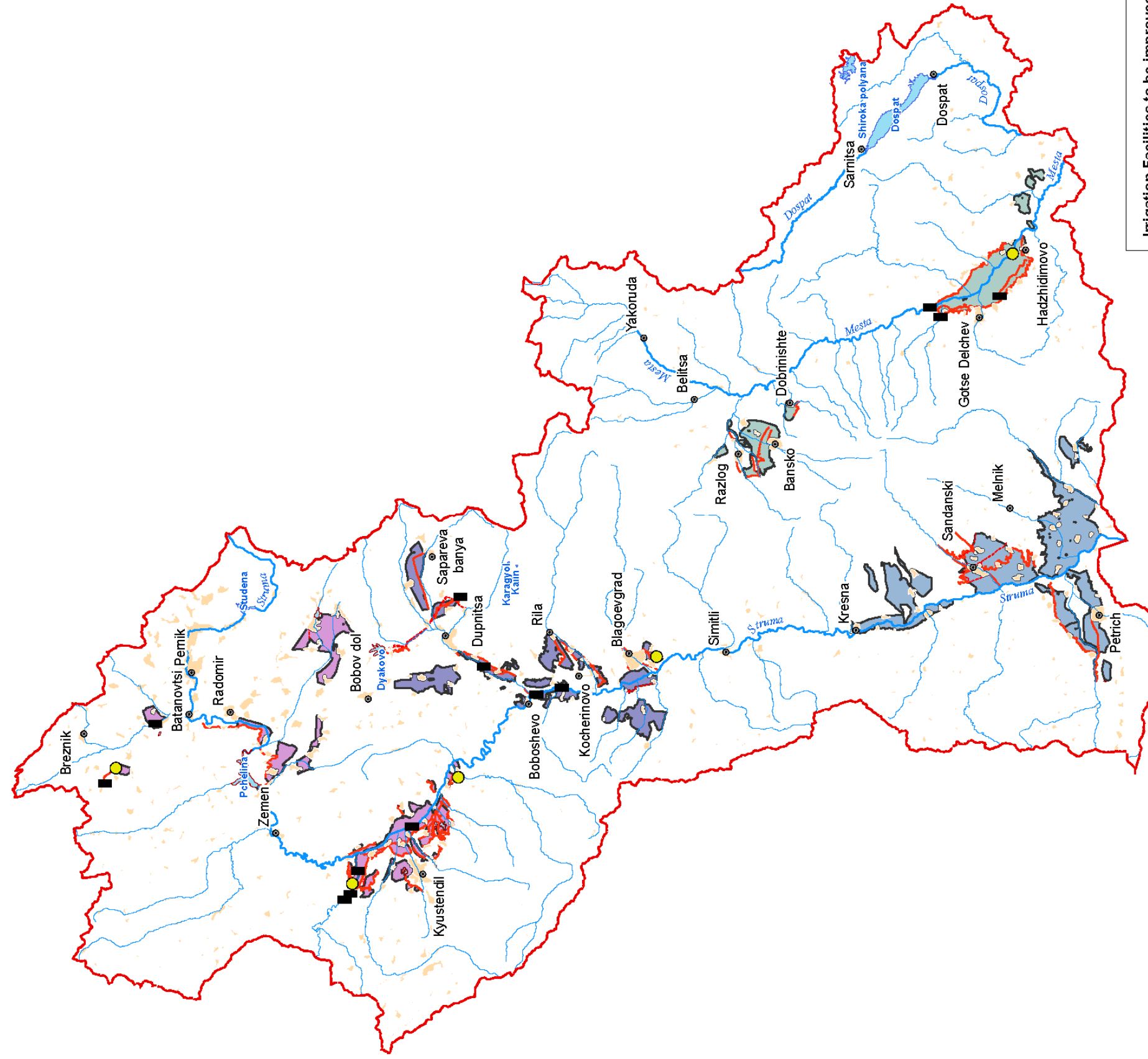


図 11 EABD における提案された灌漑改善施設

PROPOSED IRRIGATION FACILITIES TO BE IMPROVED IN WABD

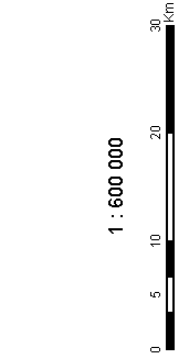


Irrigation Facilities to be improved

- Water Intake
- Compensating Basin
- Pump Station
- Channel (including distribution gates and syphons)
- Pipe

Irrigation Branch

- Dupnitsa
- Gotse Delchev
- Pernik
- Sandanski
- Settlement (area)
- River
- Reservoir
- Irrigation System Reservoir
- River Basin District



JICA STUDY TEAM
Data Source : Irrigation System Ltd.

図 12 WABD における提案された灌漑改善施設

資料

資料1 JICA 調査団

Name	Assignment
SASABE Keiji	Team Leader
TANAKA Hajime	Deputy Team Leader/River Basin Management Planner
FURUKAWA Takashi	Water Quality Management/Monitoring Planner
CHOI Jaeyoung	GIS/Database Specialist
KITAMURA Tadanori	Hydrological and Hydraulic Modeling Specialist
Jorgen Krogsgaad JENSEN	Water Quality Modeling Specialist
ISHIZUKA Yoshiaki	Economics/Water Demand/Water Tariff Structure Specialist
ITO Tsuyoshi	Water Act/Institution/Organization/Environmental and Social Consideration Specialist
OJIMA Ryota	Administrative Coordinator
NAKAMURA Kazuhiro	Hydrological and Hydraulic Modeling/Administrative Coordinator

資料2 MoEW カウンターパートチーム

Name	Position	Office
Mr. Geogi Ivanov	State Expert	Water Directorate
Mr. Nikola Matev	State Expert	Water Directorate
Ms. Nevyana Teneva	Chief Expert	Water Directorate
Ms. Galina Balusheva	Senior Expert	Water Directorate
Mr. Bojidar Magerov	Senior Expert	Water Directorate
Ms. Maria Godjevargova	Senior Expert	Water Directorate

資料3 EABD カウンターパートチーム

Name	Position	Responsibility
Eng. Maria Babukchieva	Head of Planning and Managing Department (PMD)	River basin management plan (RBMP), Public participation
Eng. Kراسи Kolcheva	Senior expert, PMD	Water abstraction, river morphology, economic analysis, Water quantity modeling
Eng. Nadegda Aneva	Senior expert of PMD	Urban wastewater and treatment plants, Public participation, water quality modeling
Vasil Usunov	Senior expert of PMD	GIS information for RBMP and ecosystem, modeling
Marine Marinov	Head of Monitoring Department (MPD)	Monitoring program and bio-monitoring
Kiril Belanski	Main expert of MPD	Industrial pollution and chemical monitoring, WQ modeling
Doichin Todorov	Senior expert of MPD	Surface drinking water, Natura 2000 zones, hydro-morphology
Petia Groseva	Senior expert of MPD	Groundwater quality and groundwater monitoring program
Nina Stoianova	Senior expert of MPD	GIS and database
Maria Pavlova	Head of Water Cadastre Department (WCD)	GIS, protection zones for drinking water
Zdravka Toromanova	Senior expert of WCD	Water bodies coding, GIS, protection zones for drinking water and water for bathing, water quality modeling
Gergana Georgieva	Junior expert of WCD	GIS, protection zones for drinking water and water for bathing, water quantity modeling
Yanka Yordanova	Junior expert of WCD	GIS and database, modeling

資料4 WABD カウンターパートチーム

Chief for Group	Name of Members	Responsibility
Eng. Avram Todorov		Coordinator of Team
Eng. Desislava Buiuklieva		Coordinator for management plan
Eng. Vanina Miceva		Coordinator for water monitoring and water quality
Lubomir Markovski		Hydrological modeling and water quality modeling, GIS database
	Eng. Vasilena Boyanska	Hydrological modeling and water quality modeling
	Eng. Gerge Jbantov	Hydrology
	Stoianka Manova	Water quality modeling
Kiril Bojkov		GIS database
	Svetla Ramova	GIS
George Georgiev		Natural environment
	Marta Zlatkova	Natural environment
Radslav Georgiev		Economist /Water tariffs
	Anton Tsvetanov	Water tariffs
Eng. Momchil Pashov		Hydrogeologist
	Eng. Vasilena Boyanska	Hydrogeologist
Eng. George Jbantov		Irrigation engineer
	Eng. Pavel Pavlov	Hydropower engineer
Eng. Kalina Bacheva		Water supply
	Eng. George Seganov	Water supply
	Eng. Svetozar Nikolov	Water supply
Eng. Vangelia Ivanova		Waste water
	Eng. Chavdar Molov	Waste water
Marta Zlatkova		Public relations
Ralitsa Stefanova	Ralitsa Stefanova	Public relations

資料5 ステアリングコミティ

Name of Members	Position and Organization
Ms. Lyubka Kachakova	Chairperson, Deputy Minister of MoEW
Mr. Vladimir Donchev	Director of the Water Directorate, MoEW
Ms. Tzvetanka Dimitrova	Director of DRBD, MoEW
Mr. Ventzislav Nikolov	Director of BSBD, MoEW
Mr. Nikola Karnolski	Director of EABD, MoEW
Mr. Vladimir Dinov	Director of WABD, MoEW
Mr. Dimitar Vergiev	Director of the Executive Environmental Agency
Representative	The Ministry of Economy and Energy
Representative	The Ministry of Regional Development and Public Work
Representative	The Ministry of Agriculture and Forestry
Prof. Georgi Gergov	The National Institute of Meteorology and Hydrology, Bulgarian Academy of Science
Associate Prof. Stefan Modev	The University of Architecture Building and Geodesy
Personnel concerned	To be decided by Bulgarian side

資料 6 GIS ワーキンググループ

Organization	Name	Position
MoEW	Bozhidar Magerov	Senior Expert
	Grisha Yordanov	GIS Expert
ExEA	Velcho Kuyumdzhiev	Head of Department
	Doychin S. Delichev	Chief Expert
	Cveta Krasteva	Expert
	Borislava Borisova	GIS Expert
EABD	Vasil Usunov	Senior Expert
	Nina Stoianova	Senior Expert
	Yanka Yordanova	Junior Expert
WABD	Lyubomir Markovski	Chief Expert
	Kiril Bojkov	Senior Expert
	Svetla Ramova	Chief Specialist
DRBD	Rumelia Petrova	Chief Expert
	Milena Geshkova	GIS Expert
	Vanya Docheva	Senior Expert
BSBD	Nikolay Bonex	GIS/IT Expert

