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**Figures** 

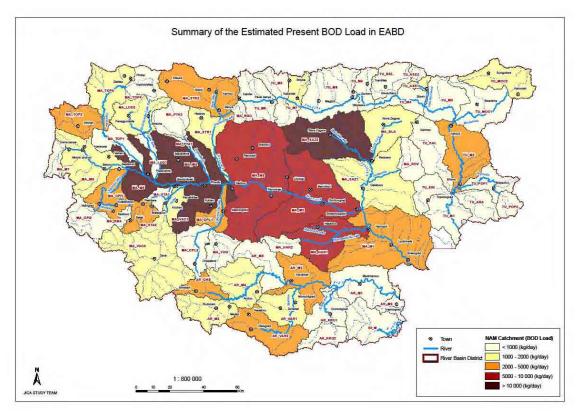


Figure 6.2.1 Present BOD Load in EABD

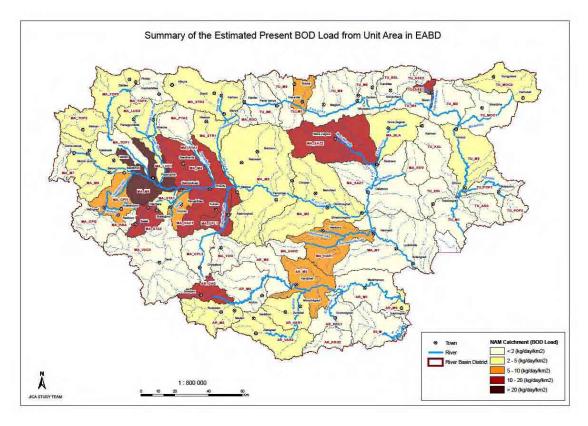


Figure 6.2.2 Present BOD Load from Unit Area in EABD

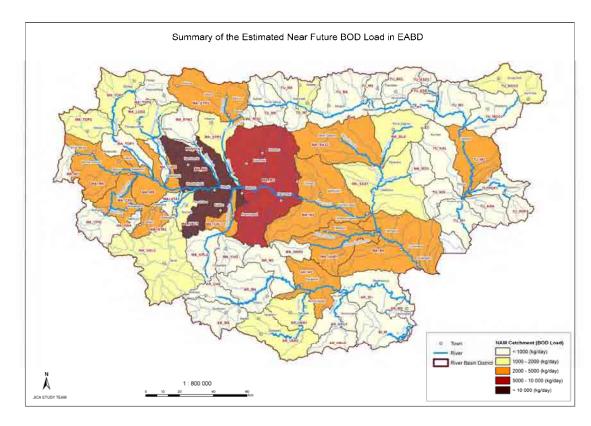


Figure 6.2.3 Near Future BOD Load in EABD (with under-constructed and tendering WWTPs)

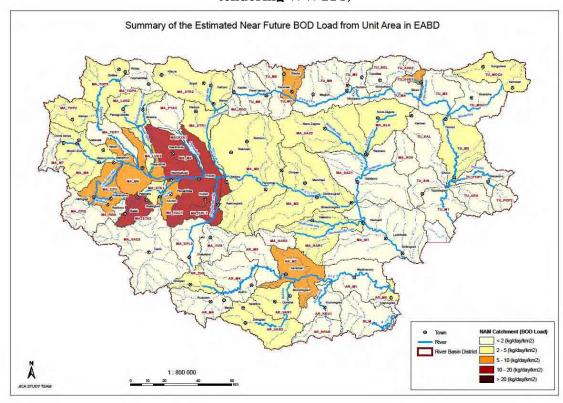


Figure 6.2.4 Near Future BOD Load from Unit Area in EABD (with under-constructed and tendering WWTPs)

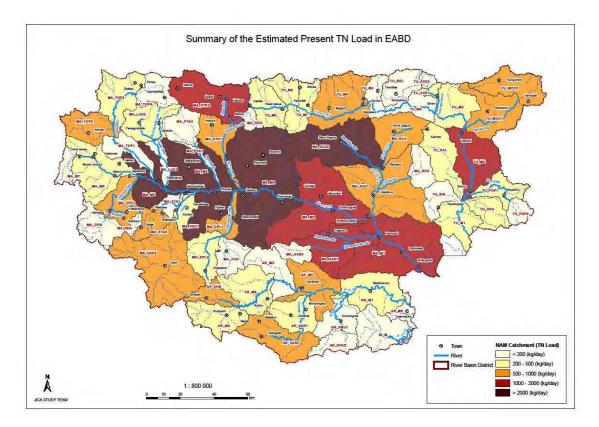


Figure 6.2.5 Present TN Load in EABD

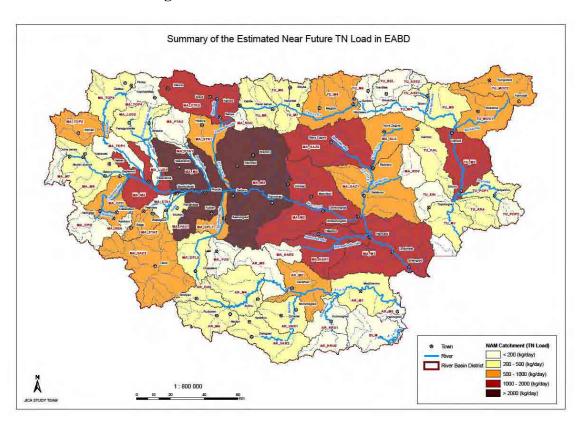


Figure 6.2.6 Near Future TN Load in EABD

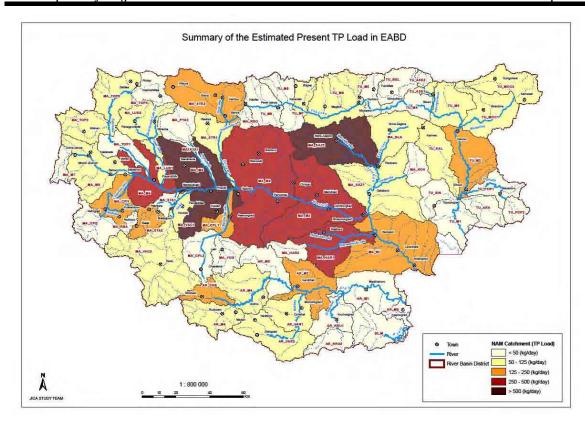


Figure 6.2.7 Present TP Load in EABD

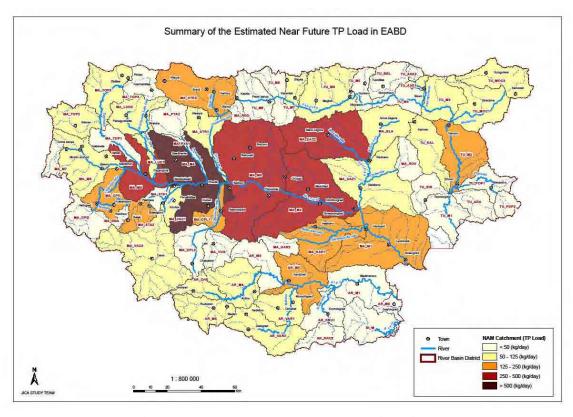
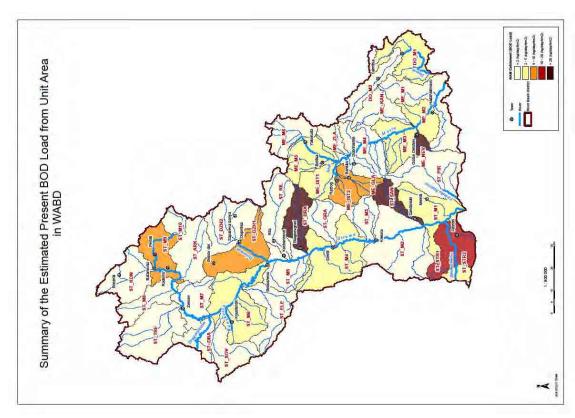


Figure 6.2.8 Near Future TP Load in EABD



VABD Fig. 6.2.10 Present BOD Loads from Unit Area in WABD

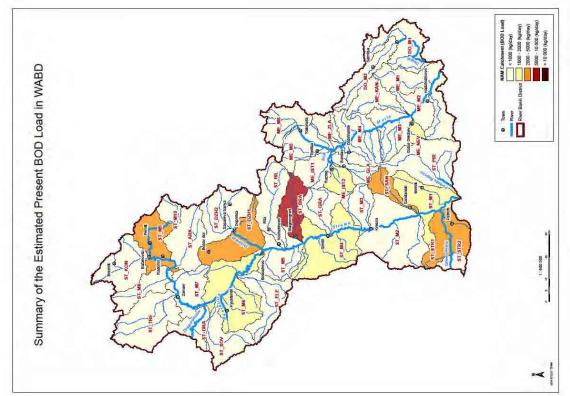
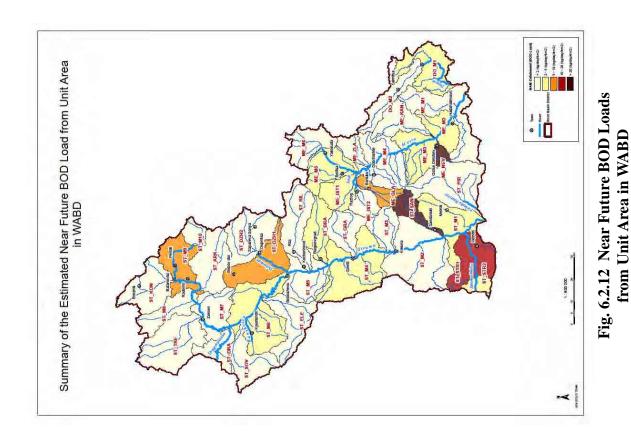


Fig 6.2.9 Present BOD Loads in WABD



Summary of the Estimated Near Future BOD Load in WABD

The state of th

Fig. 6.2.11 Near Future BOD Loads in WABD with Under-constructed and Tendering WWTPs

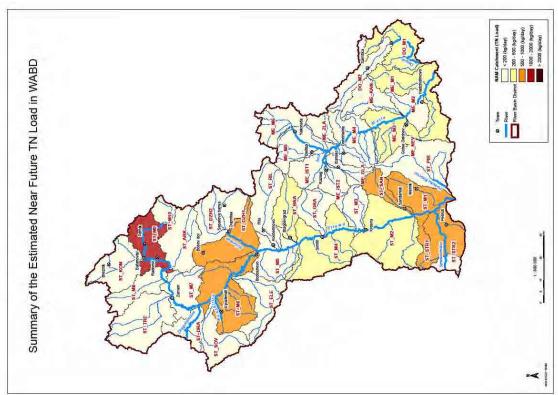


Fig. 6.2.14 Near Future TN Loads in WABD

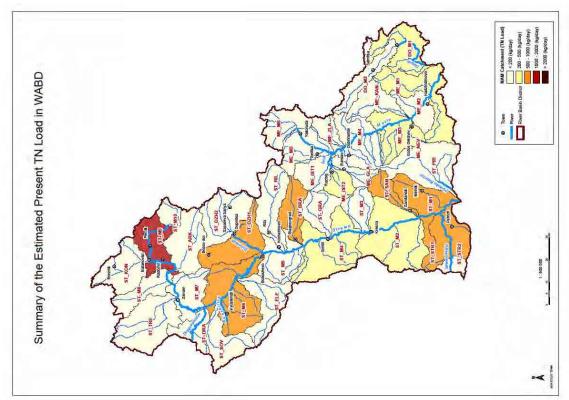
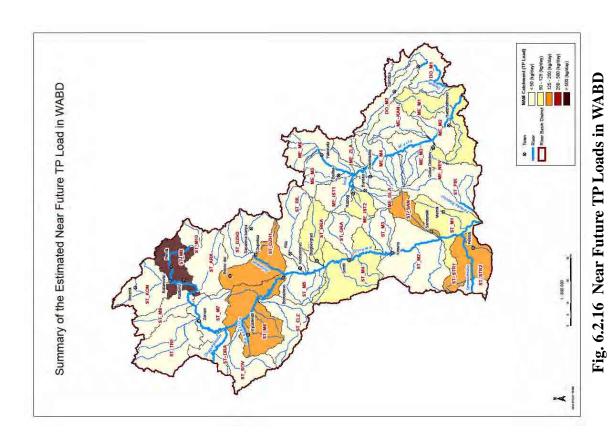


Fig. 6.2.13 Present TN Loads in WABD



Summary of the Estimated Present TP Load in WABD 8 Town River River Bass

Fig. 6.2.15 Present TP Loads in WABD

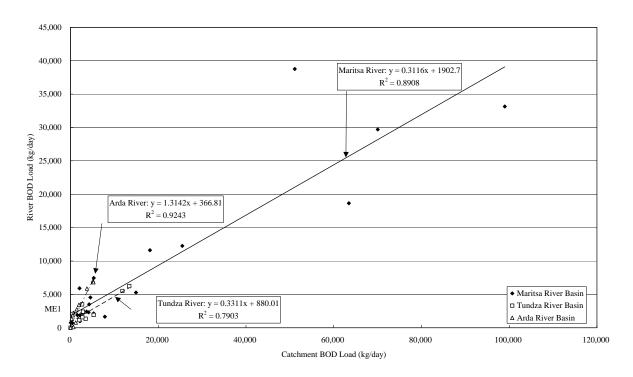


Figure 6.2.17 EABD: Co-relation between Present Catchment BOD Load and River BOD

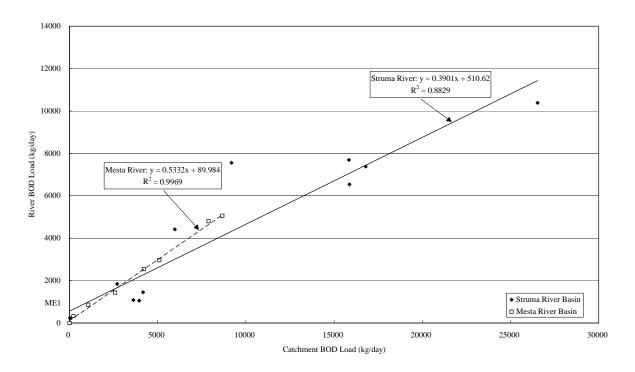


Figure 6.2.18 WABD: Co-relation between Present Catchment BOD Load and River BOD Load

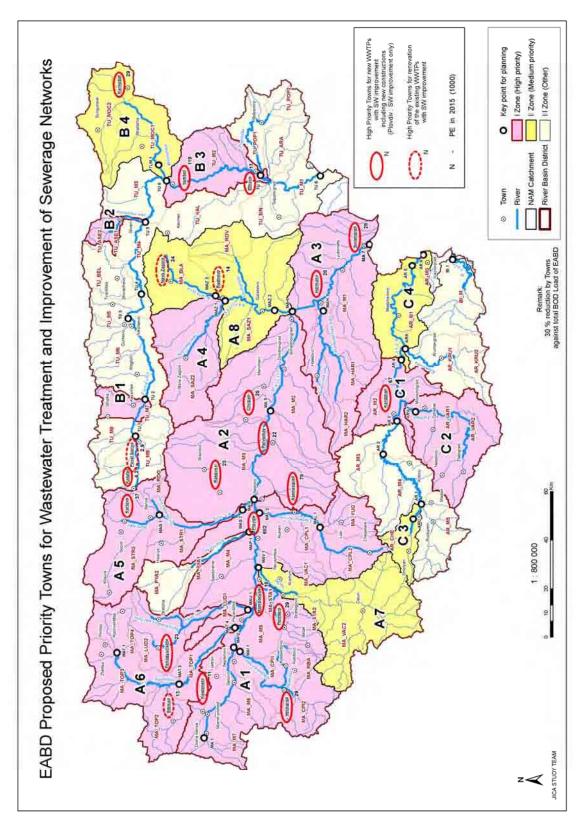


Figure 6.2.19 EABD Proposed High Priority Towns for Wastewater Treatment and Improvement of Sewerage Networks

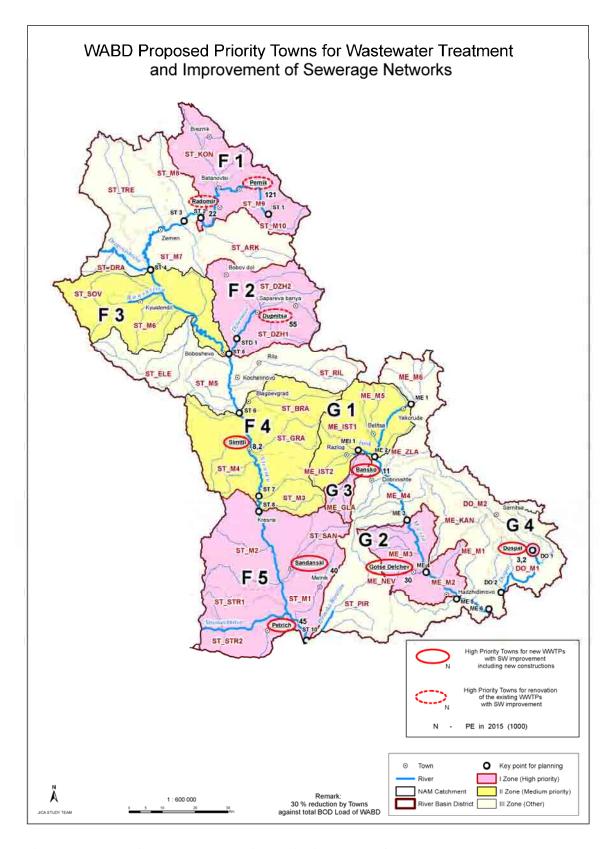


Figure 6.2.20 WABD Proposed High Priority Towns for Wastewater Treatment and Improvement of Sewarage Networks

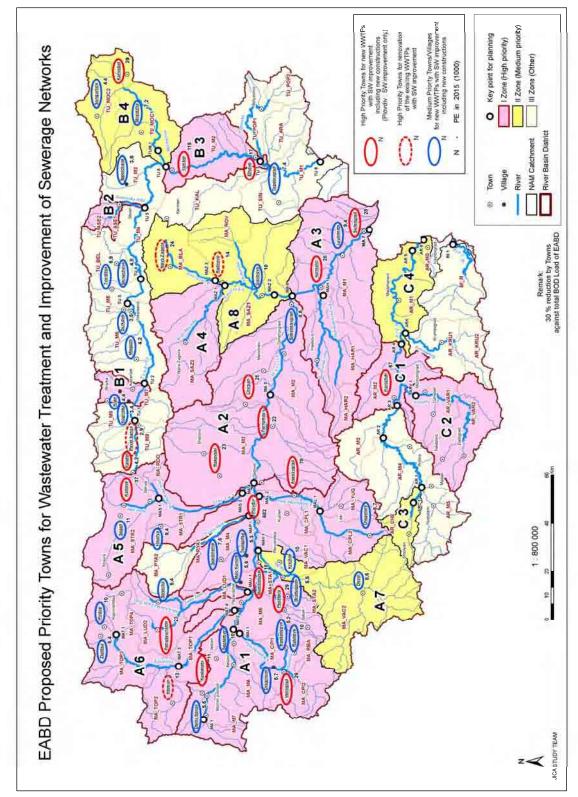


Figure 6.2.21 EABD Proposed High and Medium Priority Towns for Wastewater Treatment and Improvement of Sewerage Networks

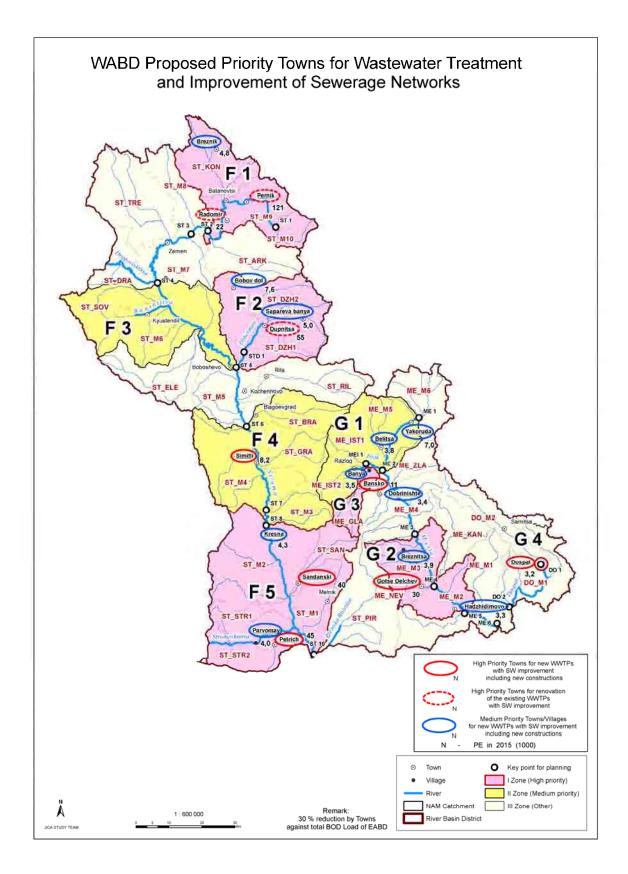


Figure 6.2.22 WABD Proposed High and Medium Priority Towns for Wastewater Treatment and Improvement of Sewerage Networks

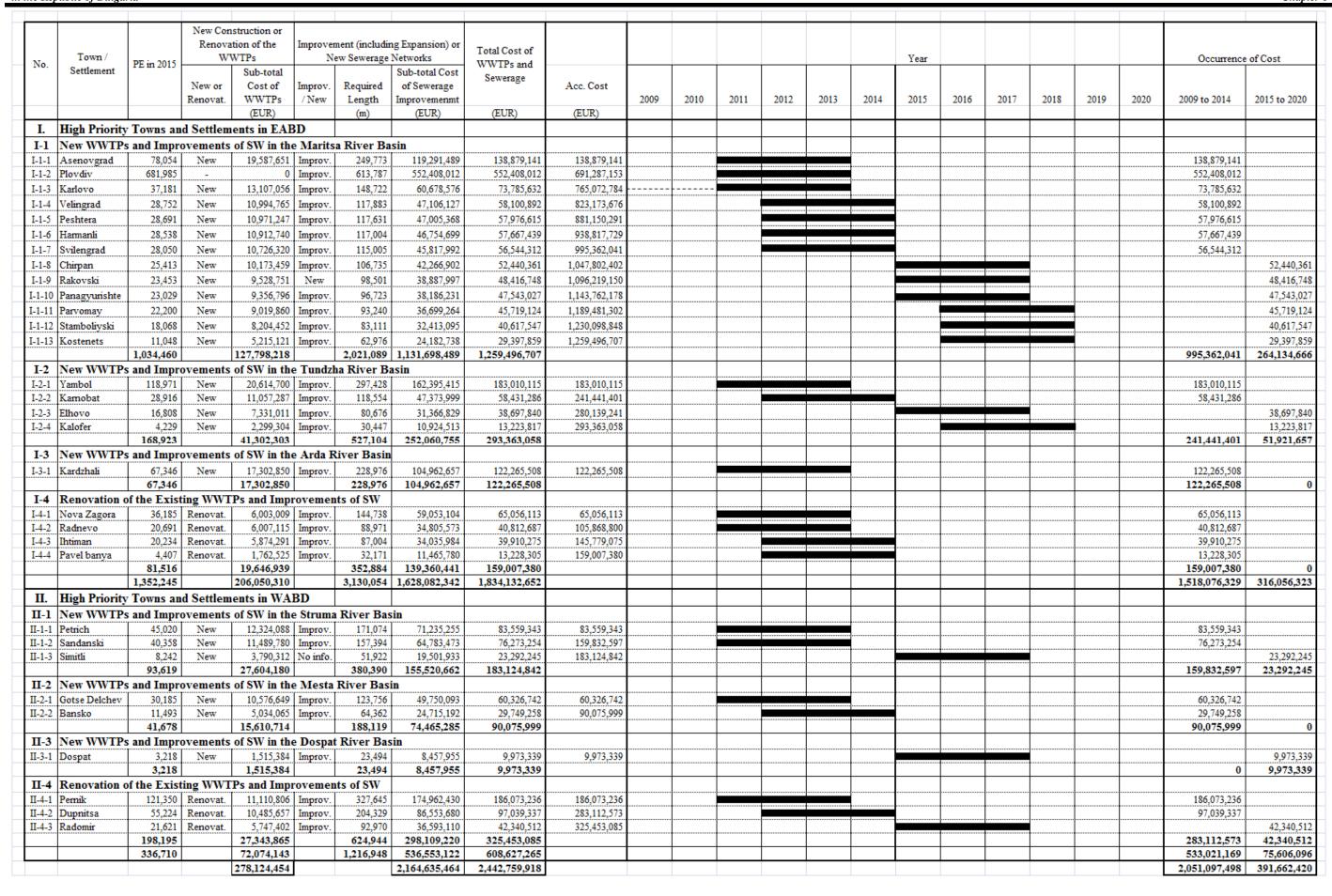


Figure 6.2.23 Implementation Schedule: Practical Scenario

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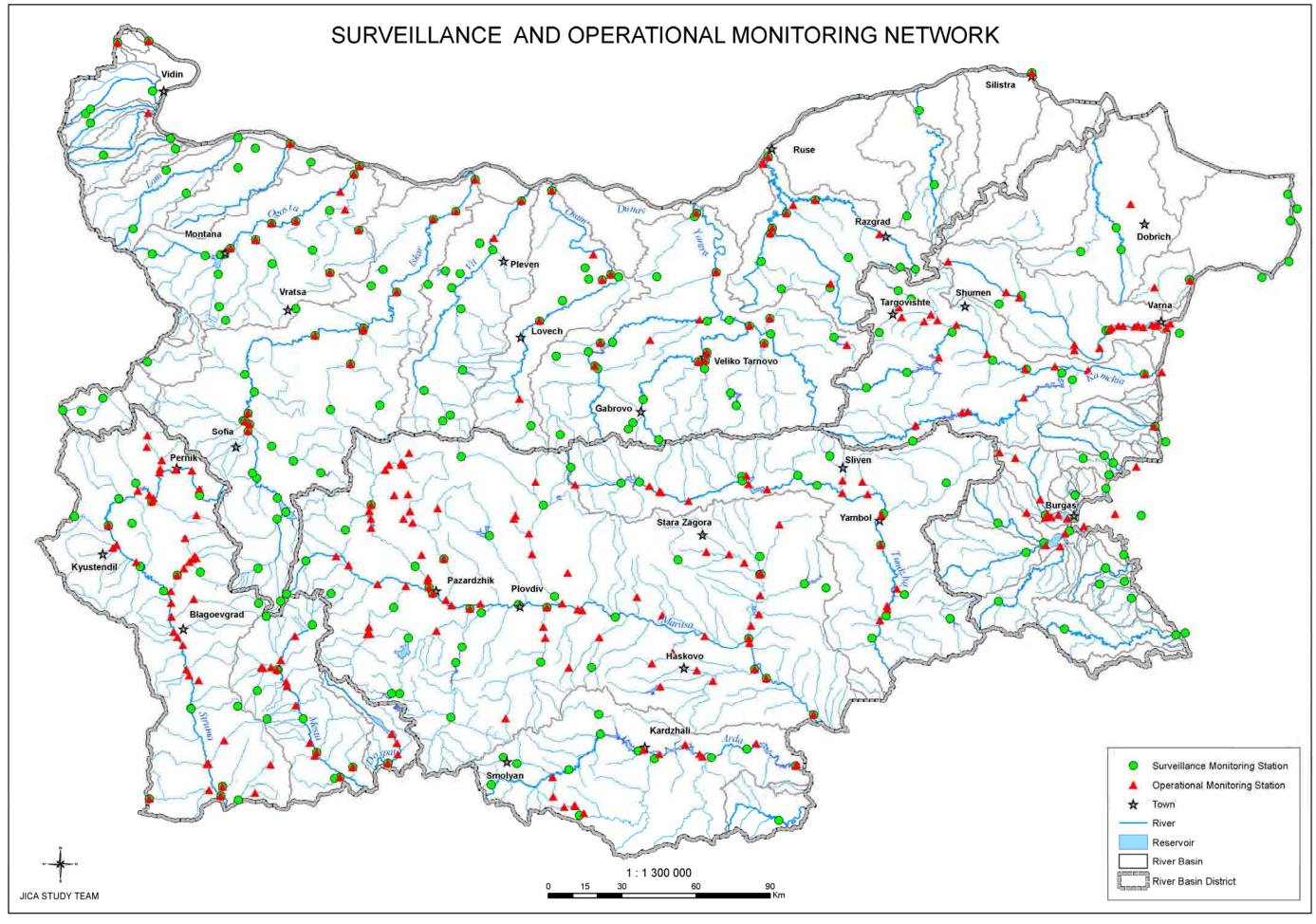


Figure 6.2.24 Surveillance and Operational Monitoring Network

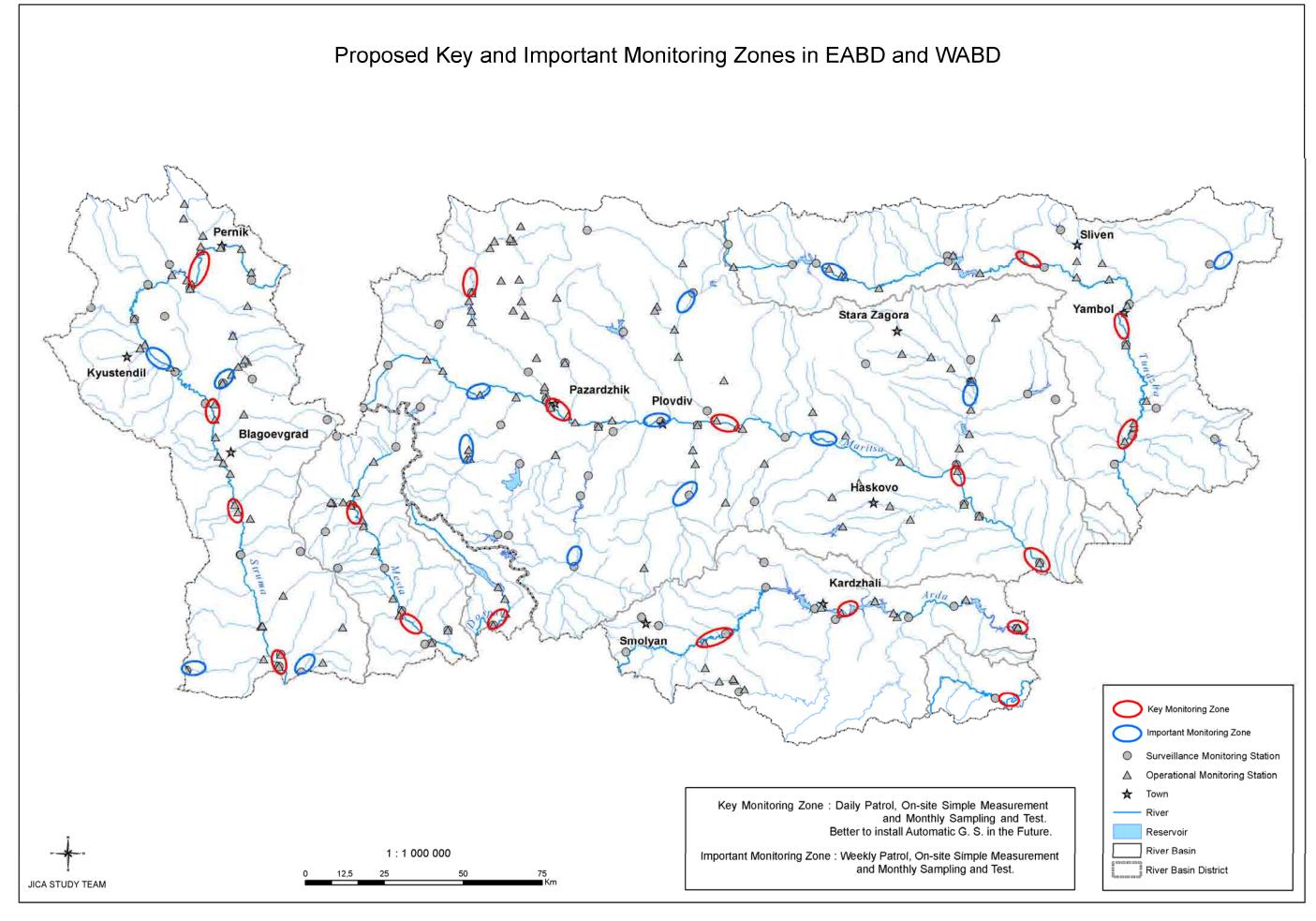


Figure 6.2.25 Proposed Key and Improvement Monitoring Zones in EABD and WABD

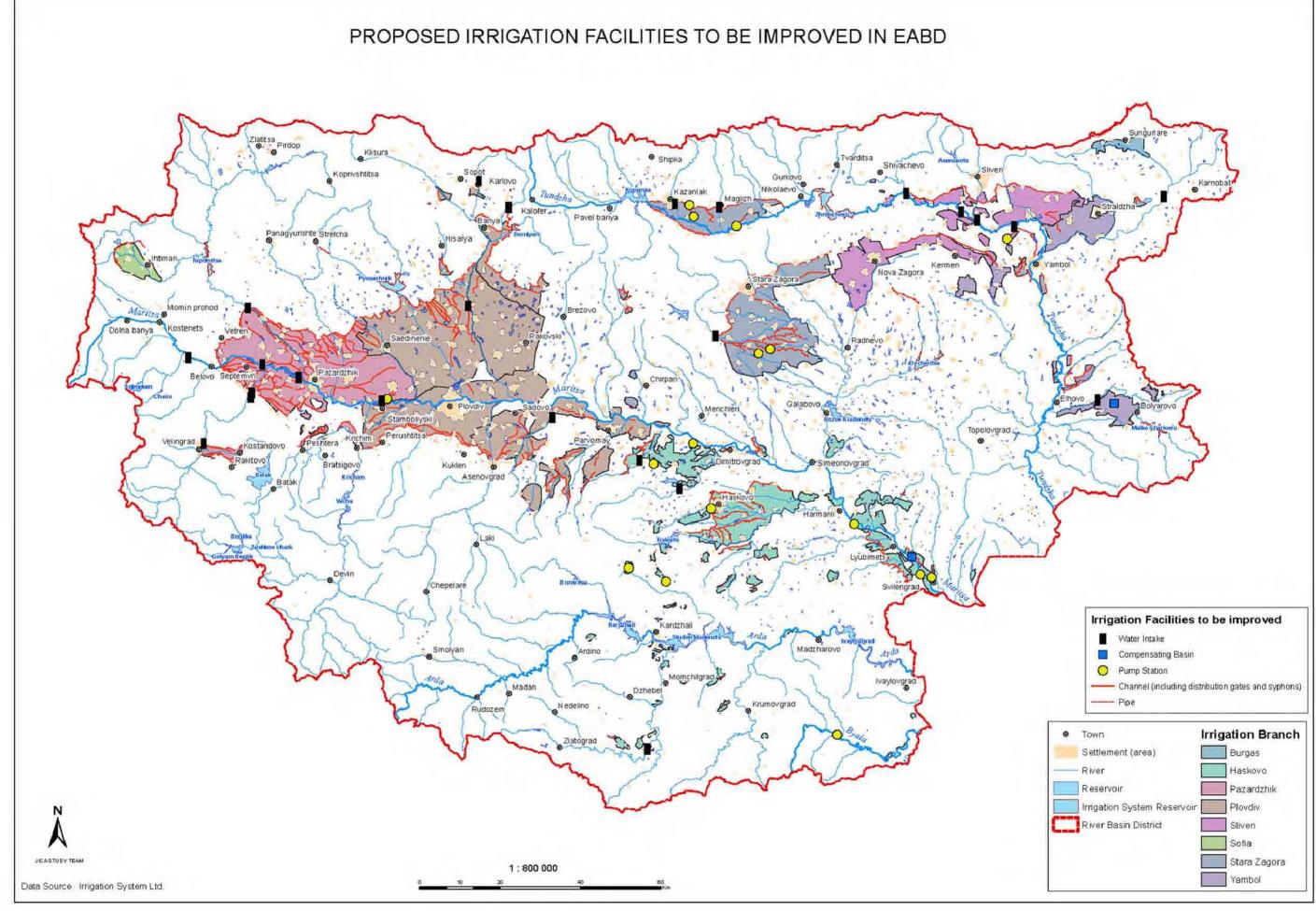
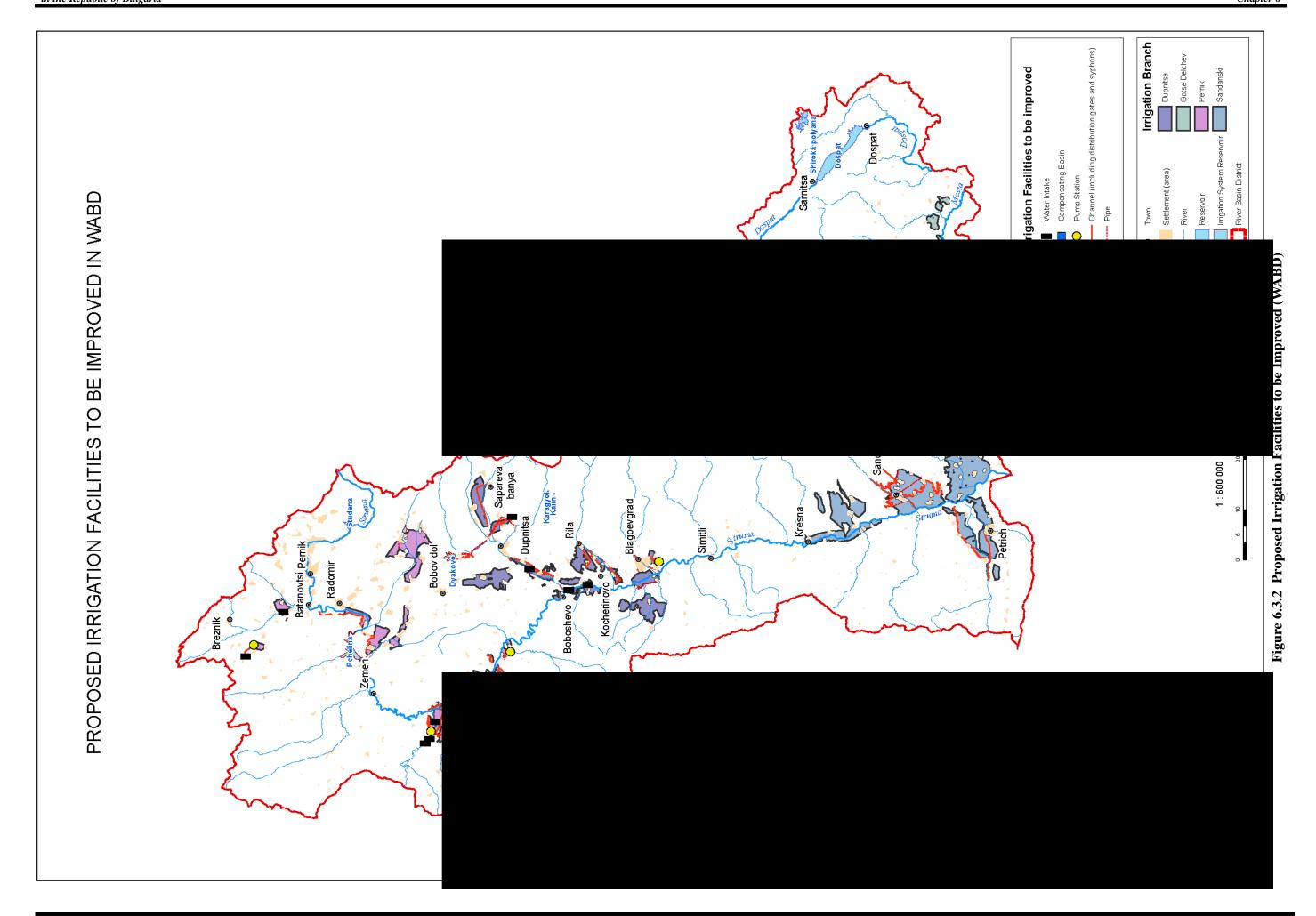


Figure 6.3.1 Proposed Irrigation Facilities to be Improved (EABD)



## **DUMMY**

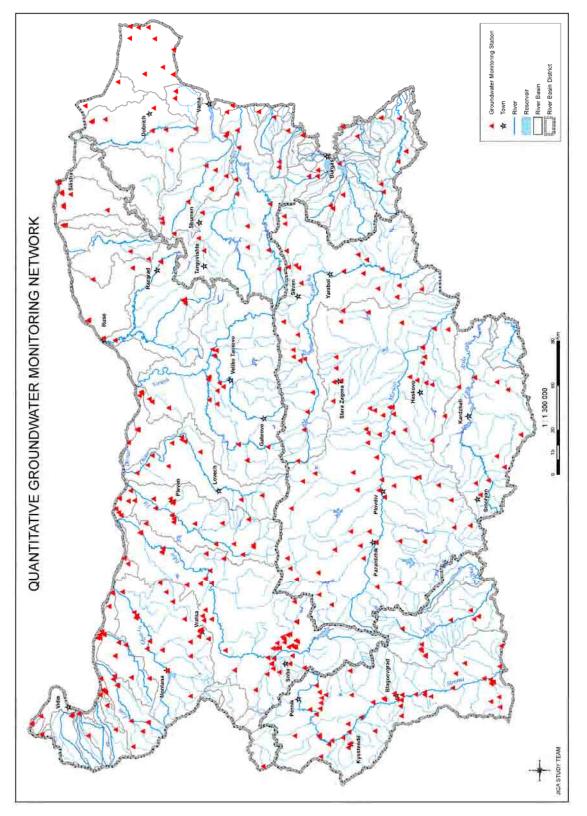


Figure 6.4.1 New Quantitative Groundwater Monitoring Network

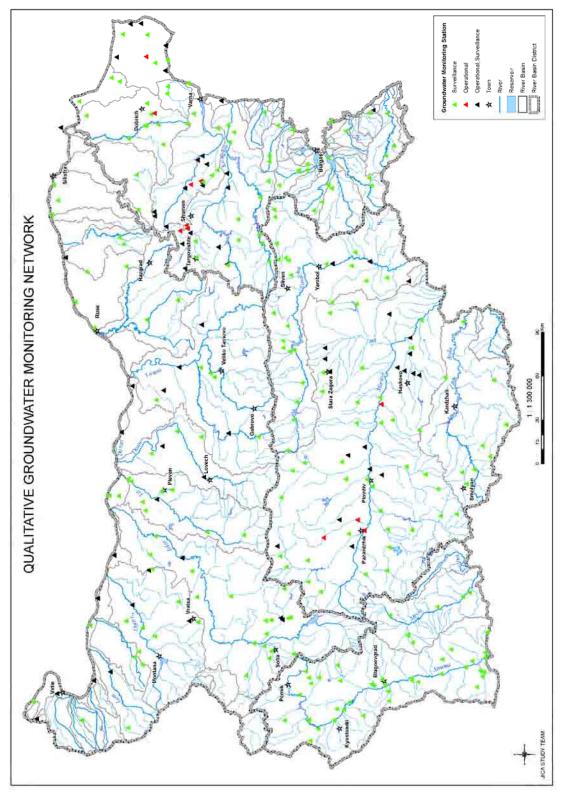


Figure 6.4.2 New Qualitative Groundwater Monitoring Network

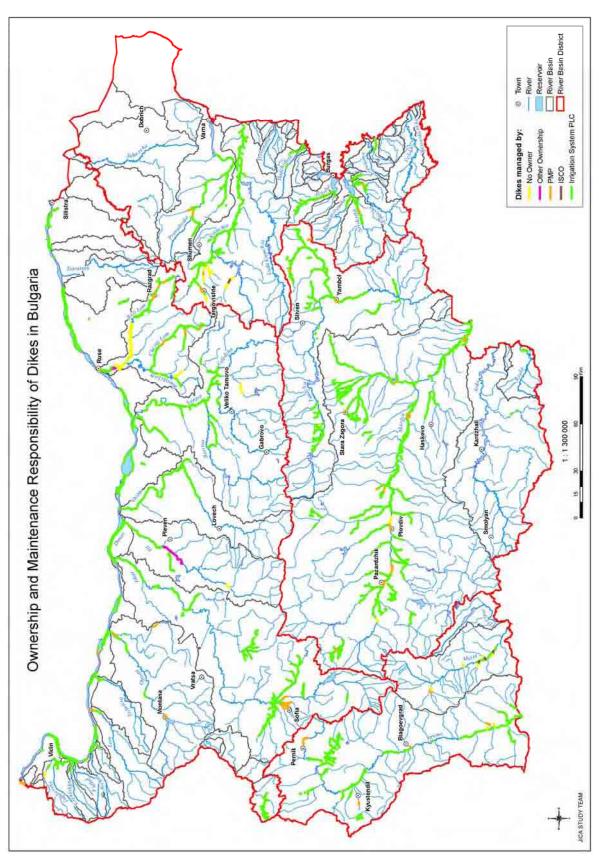
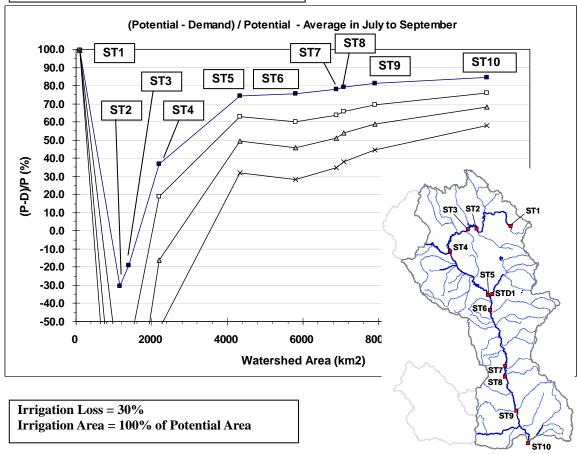


Figure 6.5.1 Ownership and maintenance Responsibility in Bulgaria

Irrigation Loss = Current Condition (48-74%)
Irrigation Area = 5% of Potential Area



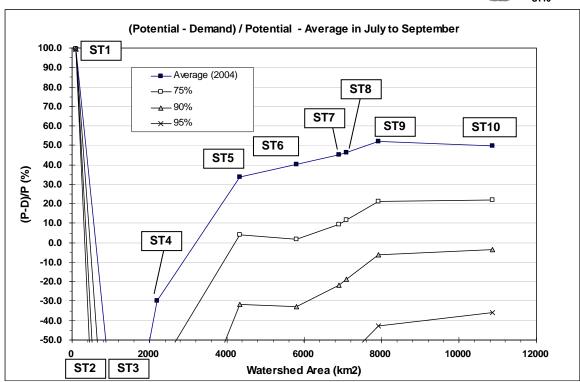
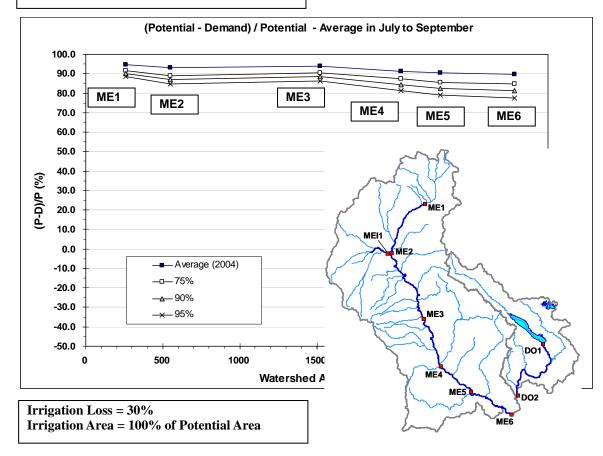


Figure 6.6.1 Balance between Water Resources Potential and Water Demand along Main Stream of the Struma River Basin (Average in Jul. to Sep.)

Irrigation Loss = Current Condition (64%) Irrigation Area = 15% of Potential Area



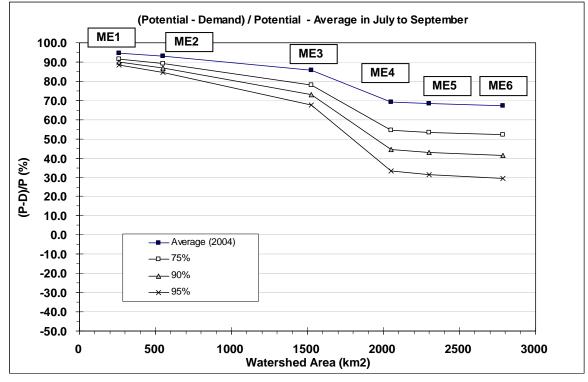
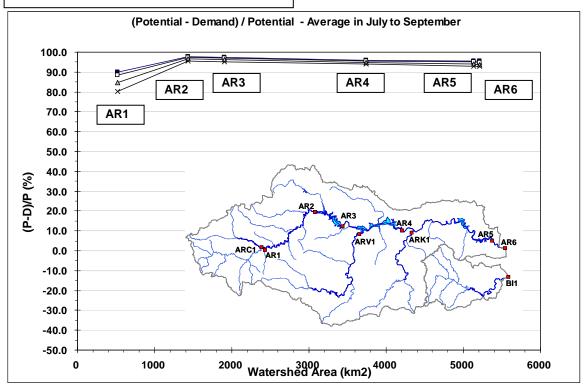


Figure 6.6.2 Balance between Water Resources Potential and Water Demand along Main Stream of the Mesta River Basin (Average in Jul. to Sep.)

Irrigation Loss = Current Condition (73%) Irrigation Area = 5% of Potential Area



Irrigation Loss = 30% Irrigation Area = 100% of Potential Area

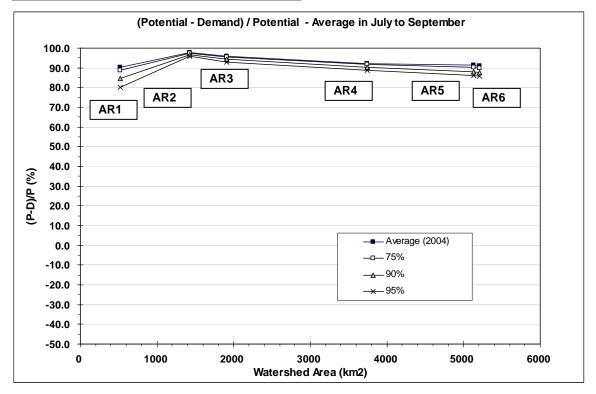
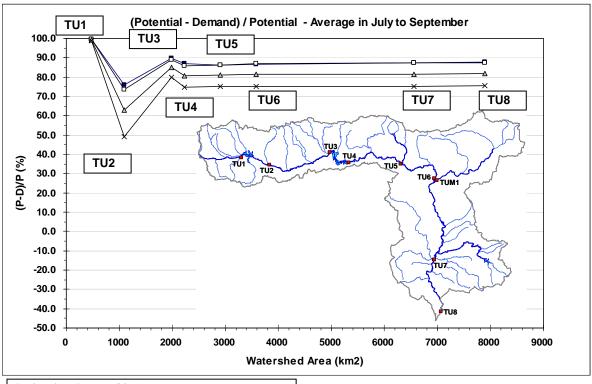


Figure 6.6.3 Balance between Water Resources Potential and Water Demand along Main Stream of the Arda River Basin (Average in Jul. to Sep.)

Irrigation Loss = Current Condition (61-84%) Irrigation Area = 5% of Potential Area



Irrigation Loss = 30% Irrigation Area = 70% of Potential Area

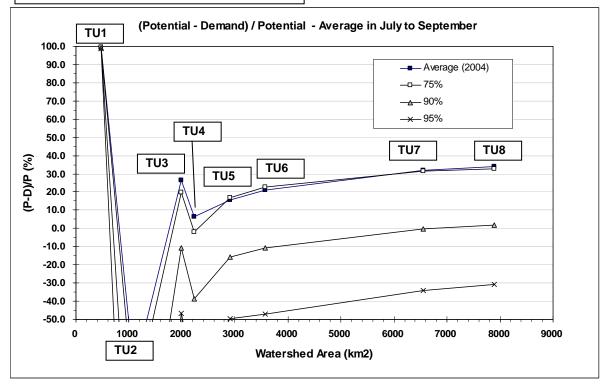
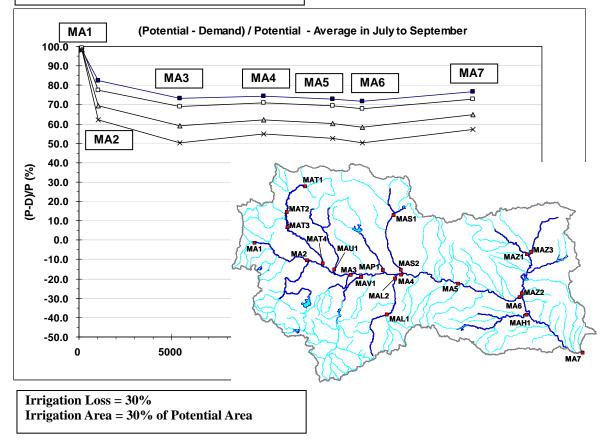


Figure 6.6.4 Balance between Water Resources Potential and Water Demand along Main Stream of the Tundzha River Basin (Average in Jul. to Sep.)

Irrigation Loss = Current Condition (60-74%) Irrigation Area = 5% of Potential Area



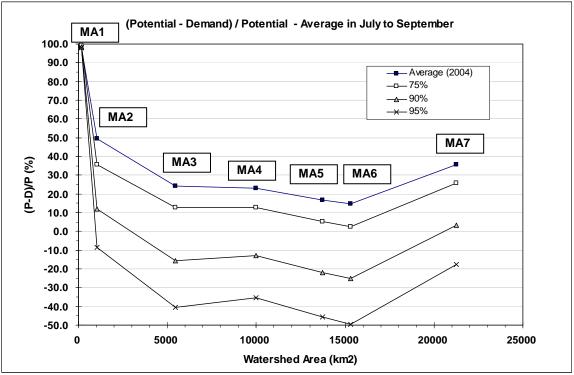
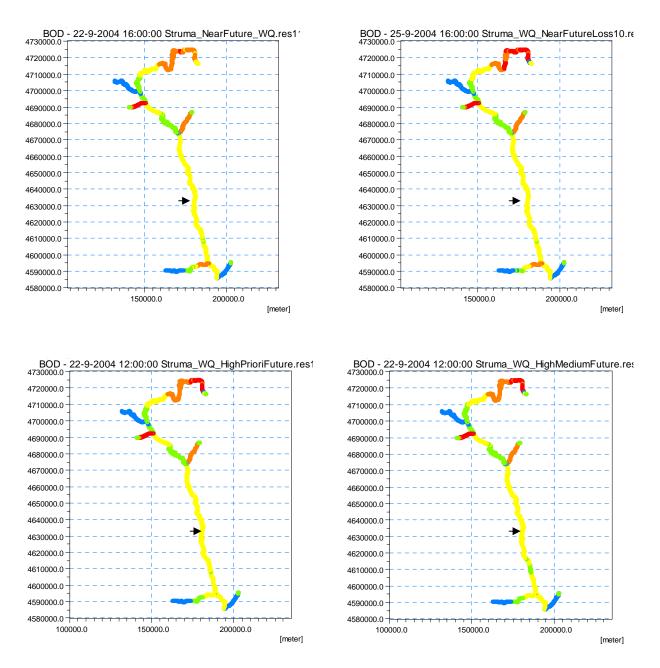
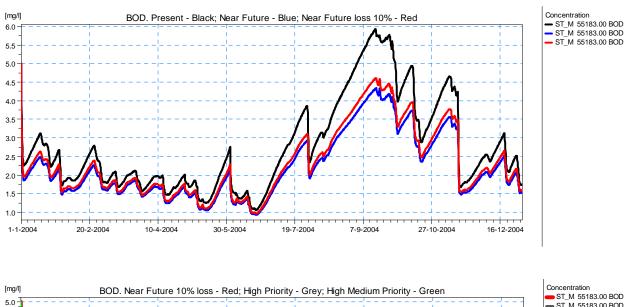


Figure 6.6.5 Balance between Water Resources Potential and Water Demand along Main Stream of the Maritsa River Basin (Average in Jul. to Sep.)



Note: On the top curve indicates location of time series in Figure 6.7.2

Figure 6.7.1 BOD Concentrations in the Struma River for Different Future Scenarios at Low Flow Situation



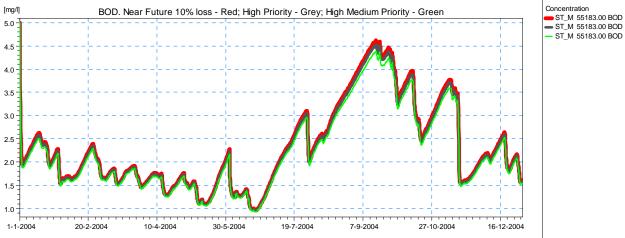
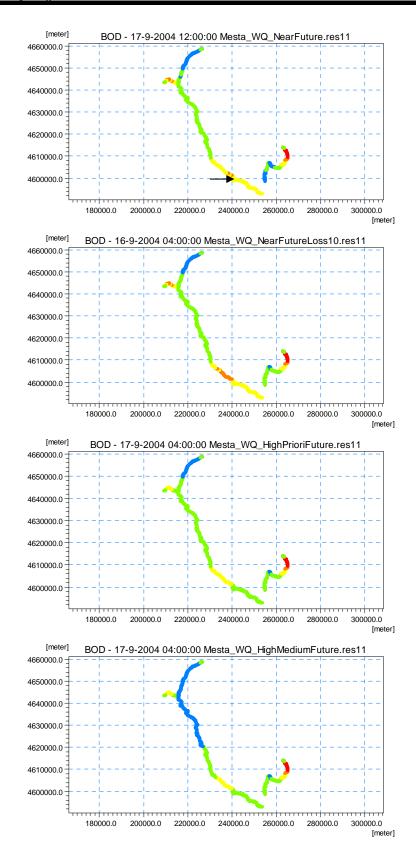
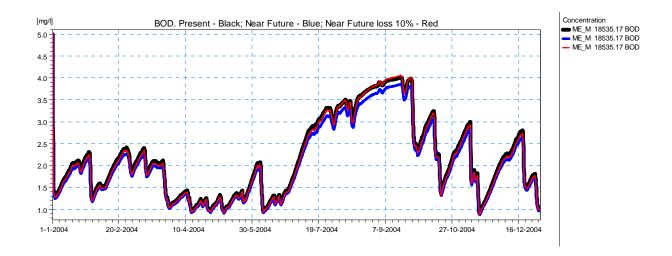


Figure 6.7.2 BOD Concentration during the Year at a Station the Middle Reach of the Struma River.



Note: On the top curve indicates location of time series in Figure 6.7.4

Figure 6.7.3 BOD Concentrations in the Mesta River for Different Future Scenarios at Low Flow Situation



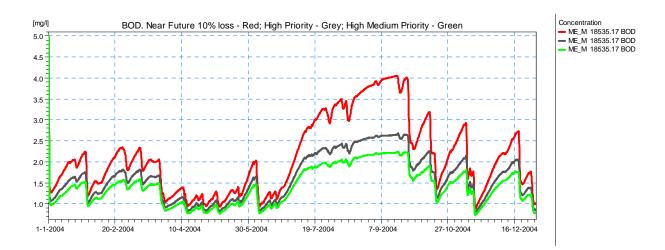
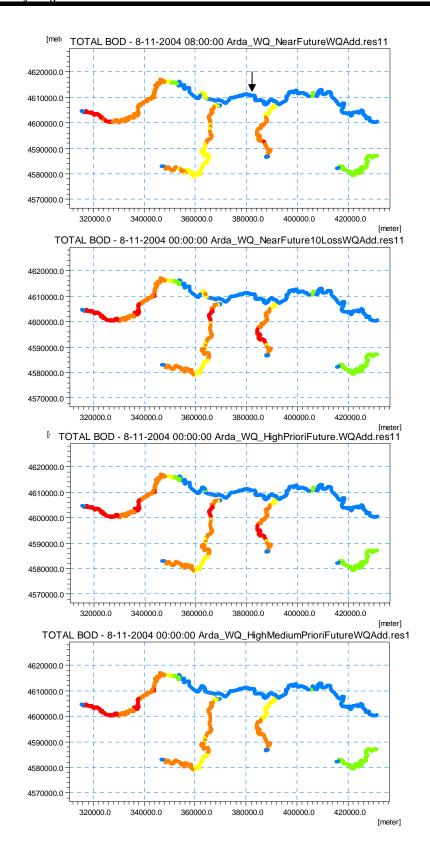


Figure 6.7.4 BOD Concentration during the Year at a Station the downstream Reach of the Mesta River



Note: On the top curve indicates location of time series in Figure 6.7.6

Figure 6.7.5 BOD Concentrations in the Arda River for Different Future Scenarios at Low Flow Situation

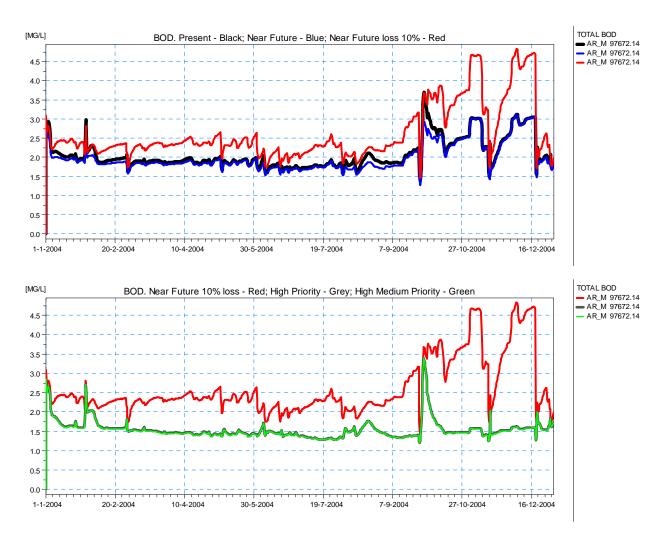
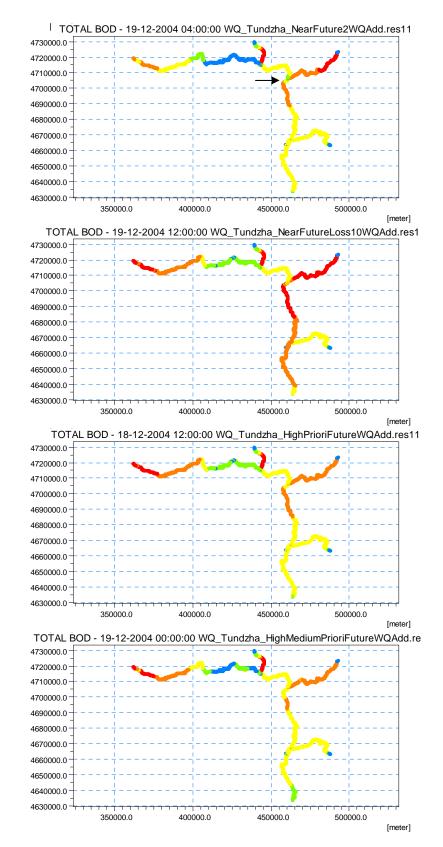


Figure 6.7.6 BOD Concentration during the Year at a Station the Middle Reach of the Arda River



Note: On the top curve indicates location of time series in Figure 6.7.8

Figure 6.7.7 BOD Concentrations in the Tundzha River for Different Future Scenarios at Low Flow Situation

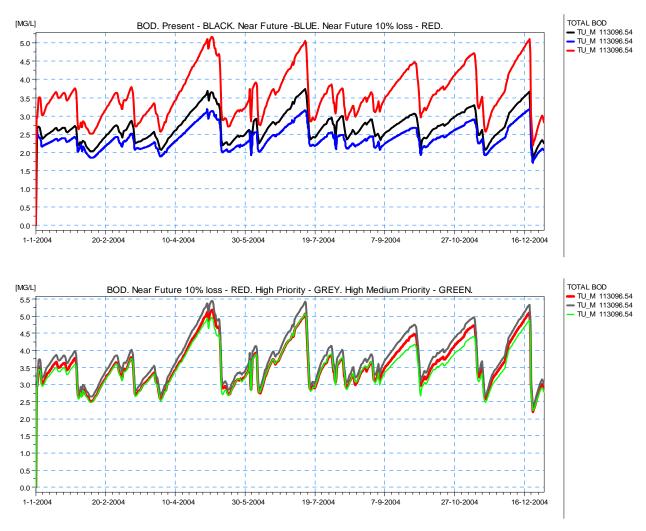
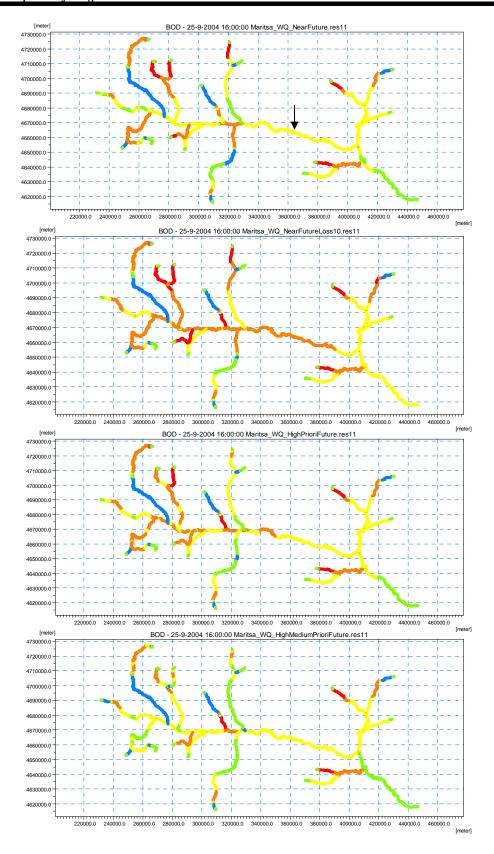


Figure 6.7.8 BOD Concentration during the Year at a Station the Middle/Downstream Reach of the Tundzha River



Note: On the top curve indicates location of time series in Figure 6.7.10

Figure 6.7.9 BOD Concentrations in the Maritsa River for Different Future Scenarios at Low Flow Situation

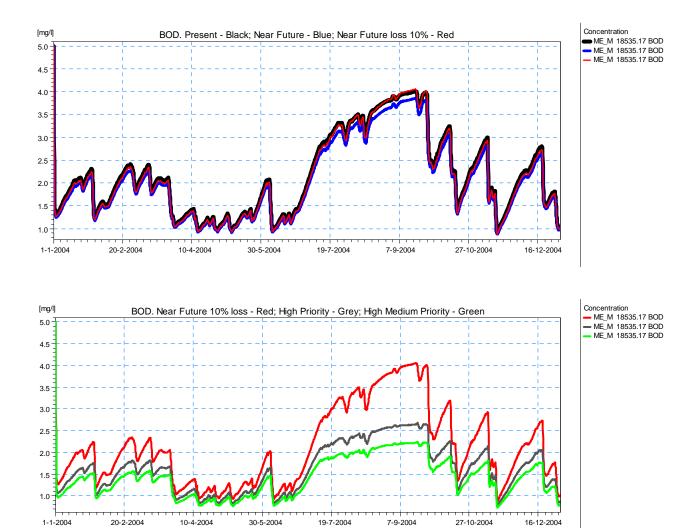


Figure 6.7.10 BOD Concentration during the Year at a Station the Downstream Reach of the Maritsa River