

REM-71-203
Technical Report
Volume B

**INTEGRATED DEVELOPMENT
OF THE
VARDAR/ AXIOS RIVER BASIN
YUGOSLAVIA - GREECE
MASTER PLAN REPORT**

**WATER RESOURCES AND REQUIREMENTS
IN THE VARDAR/AXIOS BASIN**

Report Prepared for the United Nations
(Acting as Executing Agency for the
United Nations Development Programme)

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TABLE B4-6 (continued)

CONSIDERED POWER INSTALLATIONS (1985-2000) VARDAR BASIN

Name	Type	Location	Installed capacity Mw	Annual energy production Gwh ⁽¹⁾	Remarks
Tetovo I	Thermal-oil	Tetovo	100	540	Combined with city heating
Kumanovo	Thermal-oil	Kumanovo	100	540	Combined with city heating
Stip I	Thermal-oil	Stip	100	540	Combined with city heating
Krivolak I & II	Thermal-nuclear	Near Vardar River downstream from T. Veles	<u>1300</u>	<u>6483</u>	
Subtotal			2764.2	12997	
Total to year 2000 (5)			4673.8 ⁽⁴⁾	22251 ⁽⁴⁾	

(1) For thermal plants, 92 percent dependable capacity and 67 percent plant factor was assumed, except for Krivolak where assumed 85 percent dependable capacity. For hydro plants, the energy from the MITTAMS simulation model is shown.

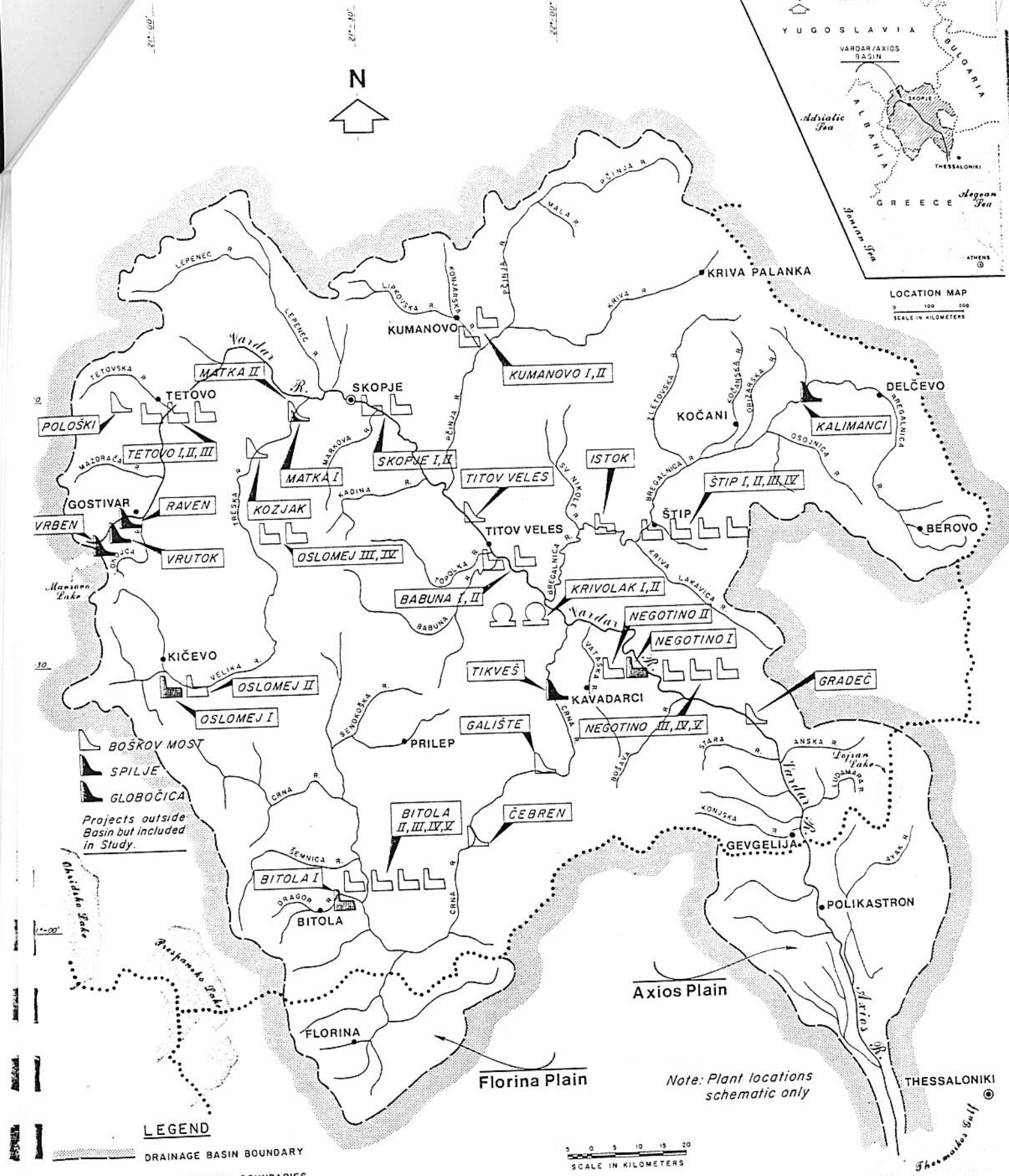
(2) In SRM outside of Vardar Basin but relevant to this Study.

(3) Not included in totals since this is an alternative to power generated by Kozjak and Matka II from diversion Upper Vardar to Treska.

(4) Capacity and energy production for Matka I has been deducted, reflecting elimination by Matka II.

(5) Includes existing and under construction.

Source: Power plant installed capacities from Electrostopanstvo.



LOCATION MAP
SCALE IN KILOMETERS

BOŠROV MOST
SPILJE
GLOBOČICA
Projects outside Basin but included in Study.

LEGEND

- DRAINAGE BASIN BOUNDARY
- INTERNATIONAL BOUNDARIES
- ▬ HYDROELECTRIC - EXISTING
- ▬ HYDROELECTRIC - CONSIDERED
- ▬ FOSSIL-FUEL THERMAL-UNDER CONSTRUCTION
- ▬ FOSSIL-FUEL CONSIDERED
- ▬ THERMAL - NUCLEAR - CONSIDERED

SCALE IN KILOMETERS

Note: Plant locations schematic only