社会開発調查部報告書

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NANE MENGENAR

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Japan International Cooperation Agency (JICA)

Ministry of Environment and Waters Republic of Bulgaria

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THE STUDY ON INTEGRATED ENVIRONMENTAL MANAGEMENT FOR THE MARITZA RIVER BASIN IN THE REPUBLIC OF BULGARIA

Final Report

Supporting Report

March 1999

Pacific Consultants International, Tokyo

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The cost estimate was made based on prevailing market price in late 1997 and expresses in US\$ according to the following exchange rate.

US\$ 1,00 = Leva 1730 = Yen 114

(As of late 1997)

LIST OF SUPPORITNG REPORT

SUPPORITN REPORT A	:	DATA BASE
SUPPORITN REPORT B	:	LAND USE
SUPPORITN REPORT C	:	HYDRO-GEOLOGY
SUPPORITN REPORT D	;	METEOROLOGY AND HYDROLOGY
SUPPORITN REPORT E	;	WATER RESOURCES
SUPPORITN REPORT F	:	WATER SUPPLY
SUPPORITN REPORT G	;	WATER QUALITY
SUPPORITN REPORT H	:	WASTEWATER TREATMENT FACILITIES
SUPPORITN REPORT I	:	INSTITUTIONAL ORGANIZATION
SUPPORITN REPORT J	:	SOCIO-ECONOMY AND FINANCIAL ANALYSIS
SUPPORITN REPORT K	:	ENVIRONMENT
SUPPORITN REPORT L	:	HD MODEL DEVELOPMENT
SUPPORITN REPORT M	:	WQ MEDEL DEVELOPMENT

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ABBREVIATION

	BAT:	Best Available Technology
	BOD:	Biochemical Oxygen Demand
	BOT:	Build-Operate-Transfer
	BSP:	Biodiversity Support Program
	BSECEE:	Balkan Science and Education Center of Ecology and Environment
	CEEC:	Central and East European Countries
	COF:	Committee of Forest
	COD:	Chemical Oxygen Demand
	CD:	Civil Defence
	COG:	Committee of Geology and Mineral Resources
	EBRD:	European Bank for Reconstruction and Development
	EC:	European Commission
	EC-PHARE:	EC-Poland and Hungary Aid Restructuring Economy Program
		of Assistance Extended to all CEEC
	EU:	European Union
	EIA:	Environmental Impact Assessment
	EPA:	Environmental Protection Act
	GIS:	Geographical Information System
	GDP:	Gross Domestic Product
	GEF:	Bulgarian Global Environmental Facility Biodiversity Project
	HEI:	Hygiene Epidemiological Inspectorate
	ISC:	Irrigation Systems Ltd.
	IUCN:	The World Conservation Union
	IBRD:	International Bank for Reconstruction and Development (The World Bank)
	JICA:	Japan International Cooperation Agency
	MOAFAR:	Ministry of Agriculture, Forestry and Agrarian Reform
-	MOEE	Ministry of Energy and Energy Resources
	MOEW:	Ministry of Environment, Water and Mineral Resources (24/Oct/97)
	MOF:	Ministry of Finance
	MOH:	Ministry of Health

MOI:	Ministry of Industry
MORDPW:	Ministry of Regional Development and Public Works
MOT:	Ministry of Transport
NCESD:	National Center of Environmental and Sustainable Development, MOEW
NCHE:	National Center of Hygiene Epidemic, MOH
NEAP:	National Environmental Action Plan
NIMH:	National Institute of Meteorology and Hydrology
	of Bulgarian Academy of Science
NNPS:	National Nature Protection Service
NSI:	National Statistical Institute
PHARE CBC:	The Phare Cross-Border Cooperation Program
PRA:	Privatization Agency
REI:	Regional Environmental Inspectorate
UNDP:	United Nations Development Program
UNEP:	United Nations Environment Program
UNESCO:	United Nations Educational, Scientific and Cultural Organization
USAID:	United States Agency for International Development
VIK:	Water Supply & Sewerage Company
WMO:	World Meteorological Organization,
WWTP:	Waste Water Treatment Plant(s)

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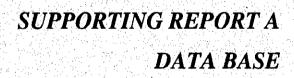
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ECU:	Currency Unit of European Union US\$ 1.115 = ECU 1.0
Lev:	Currency Unit of Bulgaria US\$ 1.0 = Lev. 1790 (February 09, 1998)
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SUPPORTING REPORT A DATABASE

1. Introduction

Geographic Information System (GIS) has been introduced for the study to analyze the present conditions, to formulate a Master Plan for integrated environmental management of the Maritza river basin, and to conduct a Feasibility Study on the priority projects.

In the Study, basic spatial data of topographic and geological conditions, land use, hydrological and meteorological monitoring networks, present pollution source and pollution load, the other related data has been collected.

GIS is a powerful and useful tool for the study to collect and store the data, organize and identify the related data, support to draw a conclusion, and take over the study results to the Government of Bulgaria. It is believed that the Maritza GIS Database will be more useful if the Government of Bulgaria would continuously add and analyze the monitoring data of the basin for the future decision making. GIS helps you discover and better understand the changes from the present condition to the future of the basin.

In the Study, the GIS data has been developed by the software of ArcView3 from ESRI Inc. ArcView is a very sophisticated software and have the data change-ability with ArcInfo and many other GIS and CAD systems.

In this chapter, the structure of the GIS database made by the Study Team is mainly described. And Quick Start Tutorial of the Maritza GIS Database is prepared.

2. Spatial Data digitized in the Study

Following spatial data are digitized from 1/100,000 and 1/25,000 topographic maps as well as the other available thematic maps. () means feature type of spatial data.

- Elevation (grid and contour lines)

- River System (line)

- Main/major Tributary boundaris (line and polygon)

- Sub-basin boundaries (line and polygon)

- Road network (line)

- Railway (line)

- Town (point)

- Administrative boundary (line)

- Municipal/Regional Center (point)

- Lake (polygon)

- Reservoir (polygon)

- Dam (point)

- Irrigation area (polygon)

- Irrigation canal (line)

- Intake weir (line)

- Hydrological monitoring station (point)

- Meteorological monitoring station (point)

- Groundwater monitoring station (point)
- Industries (point) when he is the state of the first state of the st

. . . .

- Mine coal (point)
- Hydropower plant (point)
- Thermal Power plant (point)
- Geological map (polygon)
- Land cover (derived from NCORINE database)
- 3. Attribute Data collected in the Study

Following attribute data are collected in the Study.

- River (name, category, length)

- Boundary of Sub-basin (name, Number of animals, Domestic BOD, TN, Pig-BOD,

TN, Industry-BOD, area)

- Road (category, length)
- Railway (length)

 $= e_{1} f^{*}$

- Town (name, population)
- Lakes (area, name, purpose)
- Irrigation Area (name of town, water demand)
- Irrigation Canal (name, length)
- Hydrological Monitoring Station (Organization, Code number, Seasonal BOD, NH4,

NO, depth from water surface, water level in 1979, 1995)

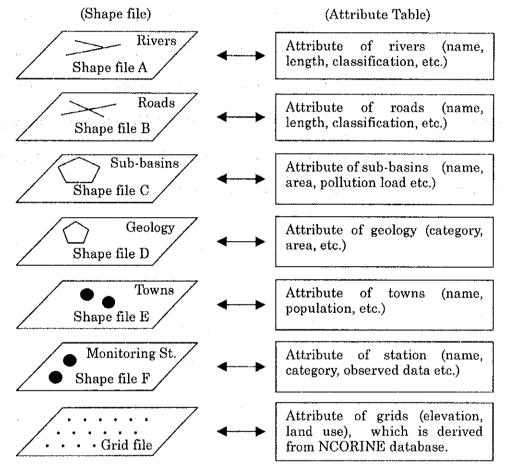
- Meteorological Monitoring Station (name, type)
- Mine Coal (category)
- Geological Map (category)
- Land cover (area, category)

4. Relationship between Spatial Data File and their Attribute

There are two types of data in GIS. One is the spatial map data, which keep location of features such as line, polygon, point and grid with their XY coordinates. Spatial map data have only information on location, area or length. These spatial data are saved as **shape file format** in the world of ArcView3. Shape file should have a single type of feature. For example, the features of line and polygon must be saved in a different shape file. At the same time, one group of theme should be a single Shape file.

Another type of data is text base attribute such as name of river, the observed data of monitoring station and statistical figures etc. Any kinds of text data which explain the spatial data can be added to the attribute table. These are saved as **dbf file format** (attribute table) in ArcView3.

Each shape file is dynamically linked with its attribute table. For example, the color of features of shape file will be automatically changed based on the specified legend when attribute data is modified. Specific features of shape file are automatically selected when some data is queried in the attribute table. On the other hand, the attribute will be automatically queried when the features on the map are selected by mouse. The relationship between shape file and attribute table is shown below. A shape file corresponds to one attribute table one by one.



Relationship between Shape File and Attribute Table

1997 - A

Note: polygon is closed line and has area, mesh size of grid is 500m interval.

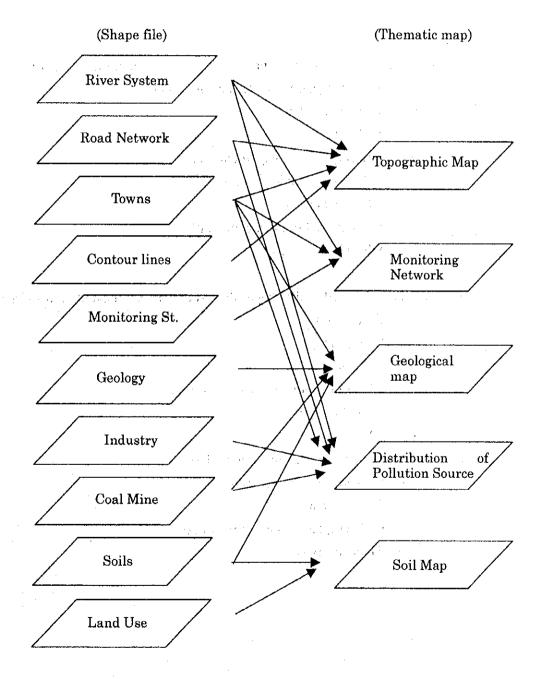
5. Relationship between Shape File and Thematic Map

A shape file is a single theme that has only one group of features such as river system or road network etc. On the other hand, several shape files is necessary to make a thematic map. It is possible for ArcView3 to combine several shape files to make specific thematic map. Same shape file becomes a component of plural thematic maps. In this way, the modification of particular shape file can be automatically reflected to many thematic maps that include one. The figures listed in Main Report, and Supporting Report are the thematic map, which is composed of several shape files. The relationship between shape file and thematic map is shown below.

Database Description

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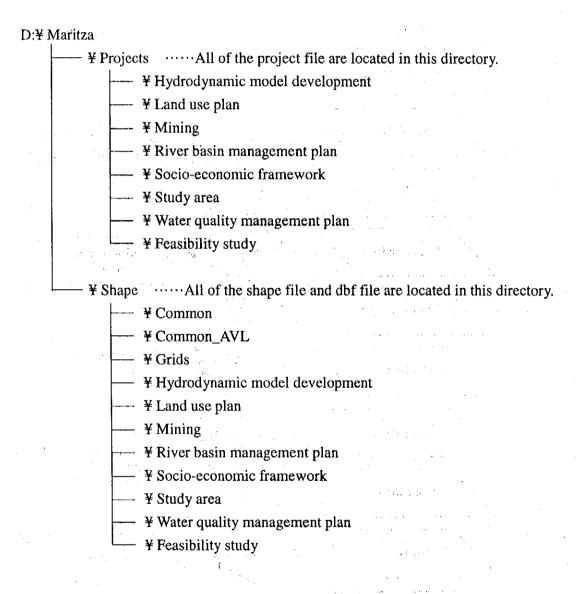
:+ ;



6. File Structure of the Maritza GIS Database

The file structure of the Maritza GIS database is designed as shown below.

6.1 File Structure



6.2 Directory of Project File

All of the project files are saved in the directory of "Projects". Project file is the key file of GIS database. Project file does not contain the spatial data or attribute data itself. Instead, a project file stores all references to the location of these related data sources (shape file, dbf file) on disk. For example, the shape file called XXX.shp is not saved in the project, but the project does contain a reference to where that shape file is located on disk. In this way, the same data can be used in any number of projects without duplication, and if this data changes, the updates will be reflected in all the projects that reference this data.

6.3 Directory of Shape File

All of the shape files and dbf files are saved in the directory of "Shape". Shape file contains spatial data and dbf file contains attribute data. The directory of "Common" is prepared for shape file taht is commonly used in several thematic maps. The directory of "Common_AVL" is prepared for the legend file that is commonly used in several thematic maps. The directory of "Grids" is prepared for Grid data files. Other directories are prepared based on the chapter of reports.

7. Database Description

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Database Description covers information on the structures of data file on the figures listed in reports. Information on Figure No. Tittle of Figure, Name of Project, Name of View, Name of Data File and Settings of Legend are listed. The file names of shape file and dbf file are same.

Table A.7.1 covers all figures listed for the Main Report, and Table A.7.2 is for the Supporting Report.

8. Definition of Attribute

Definition of Attribute covers all of the fields of each dbf file used in figures of each report (Table A.8.1).

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9. Additional Data to be linked with the Existing Maritza GIS

Additional data is text data file to be connected to dbf file of Arcview3. Following additional files are created and linked dbf file.

- Load_Town_final (Point Town Load)
- Load_Town (Point Town Load)
- Load_Subbaisn (Pollution load of Subbasin)
- Load_Livestock (Pollution load of Livestock)
- Water_Quality (Water quality at hydro station)
- Load_Top50Inst (Industrial Pollution Load of Top 50)

TABLE A.7.1RELATIONSHIP BETWEEN PROJECT FILEAND SHAPE FILE OF THE MAIN REPORT

•

Podding	Fig	Titule of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend	Values
	2.1.2	Distribution of Elevation in the Study Area	distribution of elevation, apr	DISTRIBUTION OF	/common/Studyarea98	ол	Type Single	Field
		Siddy Area		ELEVATION IN THE STUDY				
 		1			/common/Riv-Basin98	ឲរា	Single	·
			1.2		/common/Sub-Basin98	00	Single	· · · · ·
		1			/common/Town98	on	Unique	Dxf_co
		• • • • •			/common/Railway98	01	Unique	Dxf_co
					/common/Road98	on	Unique	Dxf_co
					/common/River98	On	Unique	Code
			· .		/common/Lake98	<u>on</u>	Single	
		River System in the Maritza		RIVER SYSTEM IN THE	/grids/elevation/Final	on	Graduated	Value
-	2.1.3	River Basin	river system.apr	MARITZA RIVER BASIN	/common/Studyarea98	ол	Single	-
					/common/Riv-Basin98	on	Single	
					/common/Riv-Basin98	on	Single	-
1		1.1.1		· ·	/common/Town98	on	Unique	Dxf_co
				- · · · · ·	/common/River98	on	Unique	Code
					/common/Lake98	On	Single	-
					/common/Riv-Basin98	on	Single	-
C.1.1	2.1.4	Geological Map for the Maritza River Basin	geological map.apr	GEOLOGICAL MAP FOR THE MARITZA RIVER	/common/Riv-Basin98	on	Single	
					/common/Sub-Basin98	on	Single	-
· · ·		ł			/study area/natural condition	1		D
111					/Coal_nsines	on	Unique	Dxf_co
1			· · ·		/common/Town98	on	Unique	Dxf_co
1					/common/Studyarea98	00	Single	-
					/study area/natural condition			m
					/Fault	<u>òn</u>	Unique	Typee
1.1.1	2.2.1		Administration Boundary in the	ADMINISTRATION	/study area/water		Y I-taux	Det
	4 44.0 \$	Study Area	Study Area.apr	BOUNDARY IN THE STUDY	resources/reg_98ce	on	Unique	Dxf_la
					/study area/water			
					resources/mun98	on	Unique	Regio
ļ					/common/river98	on	Unique	Code
· 1	,				/common/lake98	on	Single	-
1		· ·		1	/common/Studyarea98	ол	Single	
· · · ·					/study area/socio-economy/rei-			
	. :	· · ·	· .		boundary]	on	Single	-
1.1					/common/road98	on	Unique	Dxf_co
					/common/Railway98	on	Unique	Dxf_co
		and a state of the state of the			/common/Reg_boun98	On	Single	201-00
J.1,2	2.2,2	Five Sub-Regions in the Maritza River Basin	five sub-regions.apr	FIVE SUB-REGIONS IN THE MATIRZA RIVER BASIN	/common/Town98	on	Unique	Dxf_co
		Busine Participation	· · · · · ·	MATIREA RIVER DASIA	/common/Reg_boun98	on	Single	
					common/Reg_boun98	off		
			· ·				Single	·
		- M	1		/common/Reg_boun98	<u>off</u>	Single	
			i ta sa	1	/study area/socio-economic	on	Single	-
.				· ·	Sub_Region		0	
				· ·	/study area/socio-economic	on	Single	-
				l	/Sub_Region			
1					/common/Riv-Basin98	ОЛ	Single	
1		1			common/Studyarea98	on	Single	
. 1				l · ·	/common/Railway98	off	Unique	Dxf_co
· · · 1				l · ·	/common/Road98	off	Unique	Dxf_co
					/common/River98	on	Unique	Code
1					/common/Lake98	on	Single	
					/common/Riv-Basin98p	on	Single	(
-	2.2.3	Present Land Cover Map Derived from CORIN Database	present land cover map.apr		/conumon/Town98	ол	Մոնգսe	Dxf_co
				CORINE DATABASE				
		1 · · ·			/common/Studyarea98	ОЛ	Single	
, ,		1		1	/common/Riv-Basin98p	on	Single	
·		1	[/common/Sub-Basin98	on	Single	
		1	· · · · · · · · · · · · · · · · · · ·	^ · ·	/common/River98	on	Unique	Code
	÷.,	1 · · ·			/common/Lake98	on	Single	-
	· · ·	1. · ·			/study area/socio-economic			Major_j
<u> </u>	· · · · · · ·	Observation Network for		OBSERVATION NETWORK	Ncorineshp	on	Unique	
D.2.1	2.3.1	Meteorology of NIMH	meteorology of nimh.apr	FOR METEOROLOGY OF	/common/Meteo_Station	on	Unique	Dxf_la
		le set d'anne d'anne	·		/common/Town98	off	Unique	Dxf_co
		1 '			/common/Studyarea98	on	Single	
		1 · · · ·		I · · I	/common/Railway98	on	Unique	Dxf_co
			·	1 1	/common/Road98	on	Unique	Dxf_co
· · · 1		1						
				· ·	/common/River98	on	Unique	Cod

upport	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
D.3.1	2.3.2	Observation Network for Hydrology of NIMH	hydrology of nimh.apr	OBSERVATION NETWORK FOR HYDROLOGY OF	/common/Hydro_Station	on	Unique	Dxf_colo
	1	figurology of substit			/common/Town98	on	Unique	Dxf_colo
					/common/Studyarea98	on	Single	
					/common/Road98	on	Unique	Dxf_cold
					/common/Railway98	on	Unique	Dxf cold
. 1					/common/Lake98	on	Single	
					/common/River98	on	Unique	Code
	}				/common/Riv_monit	on	Single	-
D.4.1	2.3.3	General Meteorological Condition (1063-1995)	meteorological conditon.apr	GENERAL METEOROLOGICAL	/common/Sel_stat	on	Unique	Dxf_laye
]		Contention (1005-1755)			/common/Studyarea98	on	Single	
	· · 1				/common/Lake98	on	Single	÷
					/common/River98	on	Unique	Code
				• •	/common/Railway98	ол	Unique	Dxf_col
					/common/Road98	on	Unique	Dxf_col
		······		ANNUAL AVERAGE		┟───┼	Onique	DAL_CON
D.4.2	2.3,4	Annual Average Precipitations at the Meteorological Station	annual average precipitations.apr	PRECIPITATIONS AT THE METEOROLOGICAL	/study area/meteorology and hydrology/Outer-hydromet	on	Single	-
					/study area/meteorology and		Cinata	
					hydrology/Outer-hydromet	ол	Single	
l					/common/Meteo_Station	ол	Unique	Dxf_lay
					/common/Studyarea98	on	Single	-
			1		/common/Railway98	0n	Unique	Dxf_col
1			1		/common/Road98	on	Unique	Dxf_col
		· · ·]	/common/River98	on	Unique	Code
		- 1	l	1	/common/Lake98	on	Single	
D.4.7	2.3.5	Thiessen Polygons Associated with the Representative	thiessen polygons.apr	THIESSEN POLYGONS ASSOCIATED WITH THE	/common/Studyarea98	on	Single	-
		Stations		REPRESENTATIVE	/study area/meteorology and hydrology/Repre_Station	on	Unique	Dxf_lay
			and the second sec		/study area/meteorology and			
	L .				hydrology/St_poly	on	Single	-
			1		/common/Lake98	on	Single	
	1			· · · ·	/common/River98		Unique	Code
		1				<u>0</u> п		
					/common/Railway98	00	Unique	Dxf_col
					/common/Road98	01	Unique	Dxf_col
			· · · · · · · · · · · · · · · · · · ·		/study area/meteorology and	off	Single	-
	·				hydrology/St_poly	+		ļ
E.1.1	2,4.1	Major Reservoirs Irrigation Systems and Hydropower Schemes in the Maritza River	major reservoirs irrigation systems and hydropower.apr	Major Reservoirs Irrigation Systems and Hydropower Schemes in the Maritza River	/common/scheme98line	on	Single	-
	1 .	Basin		Basin	1 · · ·			
					/common/res98	ОЛ	Single	
	ĺ				/common/lak_constr98	ON	Single	-
			·]		/common/intak_a98	On	Single	
	ł	1			/common/intak1_a98	00	Single	<u> </u>
					/common/intak2_a98	០ត	Single	<u> </u>
	1				/common/canais98	on	Single	Type_o anals
		1		1	/common/town98	on	Unique	Dxf_co
					/common/reservoirp98	ол	Single	
	1	J ·	1	1	/common/lake98	on	Single	•
	1]	1	1	/common/river98	00	Unique	Code
	ł	1	}	1	/conimon/studyarea98	01	Single	-
	1	ł		· ·	/study area/water resources			
	1		1			on	Single	· •
		1		1 .	/hpp_pn /ctudu.oreg/water		Linique	Drf er
	1		1	1	/study area/water	00		Dxf_co
	1	1		l	/study area/water resources/tpp	00	Single	
	<u> </u>	N	1	NATURAL SUBRACE	/study area/water resources /irrigation	on	Unique	Code
E.4.1	2.4.2	Natural Surface Water Potentia in 1994 and 1995	al surface water potential apr	NATURAL SURFACE WATER POTENTIAL IN 199	4 hbound1p99+1	on	Single	
	1	1	· · ·	· •	hbound1p99+1	on	Unique	Nam
	1	1		1	/common/Junction	QB	Unique	Code
	.1	1			/study area/water resources	off		Pr9
	1			1	/Hbound 1p99	1 on	Chart	"T9:
	1	· ·	1		/common/Studyarea98	OR	Single	· ·
		1		1	/common/Riv-Basin98	on	Single	<u> </u>
	1				/common/River98	0n	Unique	Cod
	1.	1	· ·		/common/Lake98	01	Single	
				1	/study area/water resources			
	1	1		1 .	/Hbound1p99	On	Graguated	i Pr

	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
E.5.1	2.4.4	Present Surface Water Balance Based on the Observed	surface water balance.apr	PRESENT SURFACE WATER BALANCE BASED ON THE	/common/Box2	on	Single	-
		Discharge		PRESERVED DISCHARGE	/common/Box1	on on	Single	
					/common/Junction	00	Unique	Code
			-		/common/Studyarea98	On	Single	-
Í		· · ·			/common/Town98	off	Unique	Dxf_col
					/common/Riv-Basin98	on	Single	
					/common/Riv-Basin98p /common/River98	on	Single Unique	Cada
					/common/Lake98	on on	Single	Code
E.5.2	2.4.5	Possible Surface Water Balance in the Present Based on the Estimated Water Demand	surface water balance.apr	POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE ESTIMATED WATER	/common/Box2	on	Single	-
1				ESHMATED WATER	/common/Box1	on	Single	
		_			/common/Junction	0.0	Unique	Code
					/common/Studyarea98	on	Single	
					/common/Town98	off	Unique	Dxf_co
		1.		1	/common/Riv-Basin98 /common/Riv-Basin98p	<u>01</u>	Single Single	
					/common/River98	Cn	Unique	Code
					/common/Lake98	on	Single	
C34	2,5,1	Groundwater Monitoring	groundwater monitoring	GROUNDWATER MONITARING STATIONS	/study area/waterquality and	on	Single	
C.3.1	2,5,1	Statons of Neesd and NIMH	stations.apr	DATA FROM NCESD AND	pollution source/Gw_NCESD			
					/common/Gw_NIMH1	off	Single	<u>-</u>
ł					/study area/waterquality and pollution source/Gw_NIMH2	off	Unique	code
					study area/waterquality and			
					pollution source/Gw_NCESD	off	Single	- 1
ļ					/common/Town98	on	Unique	Dxf_co
					/common/River98	on	Unique	Code
1	· .				/common/Lake98	on	Single	
					/common/Sub-Basin98 /common/Studyarea98	on on	Single Single	
. ·					/study area/socio-economic			·
		· · · · · · · · · · · · · · · · · · ·			/Devastated land	on	Unique	Туре
C.3.2	2.5.2	MONITORING SYSTEM BY	monitoring system by	MONITORING SYSTEM BY	/common/Studyarea98	on	Single	
		MOEW	moew.apr	MOEW	/common/Riv-Basin98	on	Single	
					/study area/natural condition			·
					/Well	on	Unique	Dxf_la
					/common/Lake98	on	Single	
	· .				/common/Town98	<u>on</u>	Unique	Dxf_lay
					/common/River98 /study area/natural condition	<u></u>	Unique	Code
					/Gw_Contour	off	Single	-
					/common/Riv-Basin98	on	Single	-
C.3.3	2.5.3	Hydrogeological Map	Hydrogeological map.apr	HYDROGEOLOGICAL MAP	/common/Studyarea98	on	Single	-
					/common/Lake98	on	Single	
					/common/Town98	<u></u>	Unique	Dxf_lag
· ·					/common/River98 /common/Road98	on on	Unique Unique	Code Dxf_co
					/conimon/River98	on	Unique	Code
					/study area/natural	- <u>~~</u> -		
	1			1				color
			1		condition/transmissivity	off	Unique	
					/study area/natural	off on	Unique Unique	
G.2.1	2.61	Updated Monitoring System of		UPDATED MONITORING	/study area/natural condition/transmissivity-af	on	Unique	
G.2.1	2.6.1	Updated Monitoring System of NCESD	uplated monitoring system of need.apr	UPDATED MONITORING SYSTEM OF NCESD	/study area/natural condition/transmissivity-af /common/Studyarea98	on on	Unique Single	color -
G.2.1	2.6.1				/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98	on on on	Unique Single Unique	color - Priority
G.2.1	2.6.1				/study area/natural condition/transmissivity-af /common/Studyarea98	on on	Unique Single	color Priority Dxf_co
G.2.1	2.6.1				/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/Railway98 /common/River98	on on on oft	Unique Single Unique Unique Unique Unique	color Priority Dxf_co Dxf_co
G.2.1	2.6.1				/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/Road98 /common/River98 /common/Lake98	on on off off on on	Unique Single Unique Unique Unique Unique Single	color Priority Dxf_co Dxf_co Code
G.2.1	2.6.1	NCESD		SYSTEM OF NCESD	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/Railway98 /common/River98	on on off off	Unique Single Unique Unique Unique Unique	color Priority Dxf_co Dxf_co Code
G.2.1 G.2.2	2.6.1				/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Road98 /common/River98 /common/River98 /common/River98 /common/River98 /common/Hydro_Station /common/Studyarea98	on on off off on on	Unique Single Unique Unique Unique Single Unique Single	color Priority Dxf_co Dxf_co Code
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/Railway98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Hydro_Station /common/Studyarea98 /common/Town98	on on off off on on on on on	Unique Single Unique Unique Unique Single Unique Single Unique	color Priority Dxf_co Dxf_co Code Updat
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Roallway98 /common/Road98 /common/Road98 /common/Road98 /common/Lake98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Railway98	on on off off on on on on on on	Unique Single Unique Unique Unique Single Unique Single Unique Unique Unique	color Priority Dxf_co Dxf_co Code
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Town98 /common/Town98 /common/Railway98 /common/River98 /common/River98 /common/Lake98 /common/Lydro_Station /common/Studyarea98 /common/Road98 /common/Road98	on on off off on on on on on on on on on	Unique Single Unique Unique Unique Single Unique Single Unique Unique Unique	color Priority Dxf_co Dxf_co Code Updat Dxf_co Dxf_co Dxf_co Dxf_co
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Rown98 /common/Road98 /common/River98 /common/River98 /common/River98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Rown98 /common/Rowa98 /common/Rowa98 /common/Rowa98 /common/Rowa98 /study area/socio-economic	on on off off on on on on on on	Unique Single Unique Unique Unique Single Unique Single Unique Unique Unique	color Priority Dxf_co Dxf_co Code Updat Dxf_co Dxf_co Dxf_co Dxf_co
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Town98 /common/Town98 /common/Road98 /common/River98 /common/Lake98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Railway98 /common/Railway98 /common/Road98 /study area/socio-economic /Waterquality /common/River98	on on off off off on on on on on on on on on on on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique	color Priority Dxf_co Dxf_co Code Updat Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%)	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Road98 /common/River98 /common/Lake98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Town98 /common/Railway98 /common/Railway98 /common/Road98 /study area/socio-economic /Waterquality /common/River98 /common/River98 /common/Rake98	on on off off on on on on on on on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique Unique Single	color Priority Dxf_co Dxf_co Updat Dxf_co Dxf_co Dxf_co BOD1-
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%) SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Town98 /common/Town98 /common/Road98 /common/River98 /common/Lake98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Railway98 /common/Railway98 /common/Road98 /study area/socio-economic /Waterquality /common/River98	on on off off off on on on on on on on on on on on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique	color Priority Dxf_co Dxf_co Code Updat Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%)	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Road98 /common/River98 /common/Lake98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Town98 /common/Railway98 /common/Railway98 /common/Road98 /study area/socio-economic /Waterquality /common/River98 /common/River98 /common/Rake98	on on on off on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique Unique Single	color Priority Dxf_co Dxf_co Code
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%) SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Road98 /common/Road98 /common/Road98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Town98 /common/Road98 /study area/socio-economic /waterquality /common/River98 /common/River98 /common/River98 /common/River98 /common/River98	on on off off on on on on on on on on on on on on on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique Single Single	color Priority Dxf_co Dxf_co Code Updat Dxf_co Dxf_co Dxf_co BOD1- Code
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%) SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/Railway98 /common/River98 /common/Lake98 /common/Lake98 /common/Studyarea98 /common/Town98 /common/Road98 /study area/socio-economic /waterquality /common/Railway98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Railway98 /common/Road98	on on off off on on on on on on on on on on on on on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique Unique Single Single	color Priority Dxf_co Dxf_co Code
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%) SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Town98 /common/Town98 /common/Road98 /common/Road98 /common/Lake98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Railway98 /common/Read98 /study area/socio-economic /Waterquality /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/Railway98 /common/Railway98 /common/Road98 /study area/socio-economic	on on off off on on on on on on on on on on on on on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Single Single Single Unique Single	Color Priority Dxf_co Code Code Dxf_co Dxf_co BOD1- Code Dxf_co BOD1- Code Code Code Code Dxf_co
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%) SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/River98 /common/River98 /common/Studyarea98 /common/Studyarea98 /common/Railway98 /common/Road98 /study area/socio-economic /Waterquality /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98	on on on on off on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique Single Single Single	color Priority Dxf_co Dxf_co Code Dxf_co Dxf_co BOD1- Code Dxf_co Dxf_co BOD1- Code Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Code Code Code Code Code Code Code Cod
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%) SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/Railway98 /common/River98 /common/Lake98 /common/Studyarea98 /common/Studyarea98 /common/Studyarea98 /common/Town98 /common/Town98 /common/Town98 /common/Town98 /common/Railway98 /common/River98 /common/River98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98	on on on off off on on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Single Unique Single Unique Single Unique Unique Unique Unique	color Priority Dxf_co Dxf_co Code Dxf_co Dxf_co BOD1- Code Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Code
	-	NCESD Seasonal Water Quality of	ncesd.apr	SYSTEM OF NCESD SEASONAL WATER QUALITY OF BOD 1-3(75%) SEASONAL WATER	/study area/natural condition/transmissivity-af /common/Studyarea98 /common/Town98 /common/Railway98 /common/River98 /common/River98 /common/Studyarea98 /common/Studyarea98 /common/Railway98 /common/Road98 /study area/socio-economic /Waterquality /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98	on on on on off on	Unique Single Unique Unique Single Unique Single Unique Unique Unique Unique Unique Single Single Single	color Priority Dxf_co Dxf_co Code Dxf_co Dxf_co BOD1- Code Dxf_co Dxf_co BOD1- Code Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Dxf_co Code Code Code Code Code Code Code Cod

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Support	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dof File	On/off	Legend Type	Values Field
					/common/Railway98	<u>0</u> 1	Unique	Dxf_color
					/common/Road98 /study area/socio-economic	<u></u> 01	Unique	Dxf_color
			1		/Waterquality	on	Unique	BOD4-75
					/common/River98	on	Unique	Code
				TULCONUL NUMBER	/common/Lake98	on	Single	
	1			SEASONAL WATER QUALITY OF BOD7-9(75%)	/common/Studyarea98	on	Single	-
		÷ *		CONDITION BODI-X(15/6)	/common/Town98	on	Unique	Dxf_color
	1				/common/Railway98	on	Unique	Dxf_color
		i	'		/ccmmon/Road98 /study area/socio-economic	011	Unique	Dxf_color
					/Waterquality	0n	Unique	BOD7-75
					/common/River98	on	Unique	Code
		<u></u>			/common/Lake98	on ·	 Single 	····
G.2.3	2.6.3	Seasonal Water Quality of NH4 in 1994 - 1996	seasonal water quaity.apr	SEASONAL WATER OUALITY OF NH41-3(75%)	/common/Studyarea98	on	Single	•
	- ·				/common/Town98	on	Unique	Dxf_color
					/common/Railway98	on	Unique	Dxf_color
					/common/Road98 /study area/socio-economic	on	Unique	Dxf_color
					/Waterquality	on	Unique	Nh1_75
					/common/River98	on	Unique	Code
				SEASONAL WATER	/common/Lake98	on	Single	
			•	QUALITY OF NH4 10-	/common/Studyarea98	on	Single	- 1
				Constra Or Inity 10*	/common/Town98	on	Unique	Dxf_color
					/common/Railway98	on	Unique	Dxf_color
					/common/Road98 /study area/socio-economic	On	Unique	Dxf_color
		and the second			/Waterquality	<u>on</u>	Unique	Nh10_75
	Į .		·		/common/River98	0n	Unique	Code
				SEASONAL WATER	/common/Lake98	on	Single	-
				QUALITY OF NH4 4-6(75%)	/common/Studyarea98	on	Single	-
					/common/Town98	OR	Unique	Dxf_color
	1.	· · ·			/common/Railway98	on	Unique	Dxf_colo
					/common/Road98 /study area/socio-economic	on	Unique	Dxf_colo
					/Waterquality	on	Unique	Nh4_75
			4 M		/common/River98	on	Unique	Code
	1.			SEASONAL WATER	/common/Lake98	00	Single	· · · · · ·
				QUALITY OF NH4 7-9(75%)	/common/Studyarea98	on	Single	· •
		· · · · · ·			/common/Town98	ол	Unique	Dxf_color
1					/common/Railway98	on	Unique	Dxf_color
	1				/common/Road98 /study area/socio-economic	on	Unique	Dxf_color
	1.	· · · ·			/Waterquality	on	Unique	Nh7_75
			,		/common/River98	on	Unique	Code
<u> </u>		Seasonal Water Quality of NO		SEASONAL WATER	/common/Lake98		Single	<u> </u>
G.2.4	2.6.4	in 1994 - 1996	seasonal water quaity.apr	QUALITY OF NO3 1-3(75%)	/common/Studyarea98	on	Single	. •
					/common/Town98	on	Unique	Dxf_color
					/common/Railway98 /common/Road98	on on	Unique Unique	Dxf_color Dxf_color
	1.1				/study area/socio-economic	-		1
•					/Waterquality	On	Unique	No1_75
					/common/River98	ол	Unique	Code
	1	· .		SEASONAL WATER	/common/Lake98	On	Single	
{		• · · ·		QUALITY OF NO3 10-	/common/Studyarea98	on	Single	
1					/common/Town98	оп	Unique	Dxf_colo
					/common/Railway98 /common/Road98	on on	Unique Unique	Dxf_colo
					/study area/socio-economic			
1					/Waterquality	on	Unique	No10_75
1					/common/River98	on	Unique	Code
1		1		SEASONAL WATER	/common/Lake98	ол	Single	<u> </u>
	4		·	QUALITY OF NO3 4-6(75%)	/common/Studyarea98	ON	Single	<u> </u>
		· · · ·			/common/Town98	on	Unique	Dxf_colo
		1	1		/common/Railway98 /common/Road98	on	Unique Unique	Dxf_colo Dxf_colo
					/study area/socio-economic	. OR		1
					/Waterquality	. OT	Unique	No_75
			1		/common/River98	on	Unique	Code
			1	SEASONAL WATER	/common/Lake98	ON.	Single	
1				QUALITY OF NO3 7-9(75%)	/common/Studyarea98	on	Single	
1			1.		/common/Town98	ол	Unique	Dxf_cold
			1		/common/Railway98	on	Unique	Dxf_cold
1	1				/common/Road98 /study area/socio-economic	<u>. on</u>	Unique	Dxf_colo
1	1				/Waterquality	ол	Unique	No_75
1	1	1	1	1	/common/River98	on	Unique	Code
		1			/common/Lake98	on	Single	

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upport	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dof File	On/off	Legend Type	Values Field	
5.2.10	2.6.5	Biological Assessment of Water Quality in 1996 - 1997	biolobical assessment apr	BIOLOGICAL ASSESSMENT OF WATERQUALITY IN	/common/Studyarea98	ón	Single		
		Which Quality in 1990 - 1991			/common/Fown98	on	Unique	Dxf_colo	
					/common/Lake98	on	Single	1.010	
					/common/River98	0n	Unique	Code	
								Louc	
					/common/riv-basin98p	on	Single	Duc valu	
]	/common/Railway98	on	Unique	Dxf_colo	
				1	/common/riv-basin98	on	Single		
				1	/common/Road98	On	Unique	Dxf_colo	
					/common/sub-basin98p	on	Single	- 1	
					/common/sub-basin98	оп	Single	- 1	
					/hydrodynamic model		Hutana	0.1	
					development/bio-buffer	on	Unique	Cotor	
G.3.5	2.6.8	BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/Town98	on	Unique	Dxf_colo	
0.5.5		·			/common/Studyarea98	on	Single	-	
	e		1		/common/Riv-Basin98	on	Single		
					/common/Town98	off	Single	+· · ·	
					/common/Railway98				
	1 A.					on	Unique	Dxf_colo	
					/common/Road98	on	Unique	Dxf_colo	
					/common/River98	on	Unique	Code	
					/conunon/Lake98	Oh	Single	<u> </u>	
				<u> </u>	/common/Sub-Basin98p	on	Graduated		
				BOD (Domestick)	/common/Town98	ÓΠ	Unique	Dxf_colo:	
					/common/Studyarea98	on	Single	-	
					/common/Riv-Basin98	on	Single		
					/common/Tuwn98	off	Single		
					/common/Railway98	on	Unique	Dxf_colo	
		,							
					/common/Road98	on	Unique	Dxf_colo	
					/common/River98	on	Unique	Code	
					/common/Lake98	on	Single		
					/common/Sub-Basin98p	on	Graduated	Domes_b	
		· ·		BOD (Industry)	/common/Town98	on	Unique	Dxf_color	
					/common/Studyarea98	on	Single	-	
					/common/Riv-Basin98	on	Single	-	
					/common/Town98	off	Single	1	
					/common/Railway98		Unique	Dxf_colo	
					/common/Road98	<u>on</u>	Unique	Dxf_colo	
						<u></u>			
					/common/River98	on	Unique	Code	
		•			/common/Lake98	08	Single		
					/common/Sub-Basin98p	on	Graduated	Ind_bod	
1.1				BOD (Livestock)	/common/Town98	on	Unique	Dxf_color	
			· · · ·		/common/Studyarea98	0n	Single		
					/common/Riv-Basin98	on	Single	-	
					/common/Town98	off	Single	· -	
			•		/common/Railway98	on	Unique	Dxf_colo	
					/common/Road98	on	Unique	Dxf_color	
					/cemmon/River98	on	Unique	Code	
		1	1					Coue	
	N				/common/Lake98	on	Single	1	
	0.000			L OCHTICH ODA (1990)	/common/Sub-Basin98p	on	Graduated	Live_bod	
-	2.6.10	Location of Mining	location of mining.apr	LOCATION OF MINING2	/common/Studyarea98	<u>0</u> л	Single		
				Contraction of the second s	/common/Town98	<u>on</u>	Unique	Dxf_color	
	. .	!	· · ·		/common/Au_lines	on	Single		
	1	• • • • •	I		/common/Minepoint	ол	Unique	Mine_all	
		Environmental Protection Area	Environmental Protection	ENVIRONMENTAL	/study area/natural			1	
K.3.1	2.7.1	to be Considered	Area.apr	POTENTION AREA TO BE	condition/sel_sour	ОΠ.	Unique	Dxf_laye	
					/study area/natural				
	1				condition/wetlands	on	Unique	Code	
					/common/studyarea98	on	Single		
								- C-2-	
					/common/River98	on	Unique	Code	
					/common/Lake98	on	Single	مبعدة يسيده	
			1	<u> </u>	/common/Town98	00	Unique	Dxf_colo	
	I	1	1	1	/common/road98	oa	Unique	Dxf_colo	
	1	1	· ·	· ·	/common/rroad98	on	Unique	Dxf_colo	
		· · · · · · · · · · · · · · · · · · ·	L		/tand use plan/protect	on	Unique	Name	
H.2.2	2.8.1	Towns with Sewerage Systems	Towns with sewerage	TOWNS WITH SEWERAGE	/common/studyarea98	on	Single		
	1		system.apr	SYSTEM					
H.2.2		s is	system.apr			/common/River98	ON .	Unique	Code
H.2.2									
H.2.2			· ·		/common/Lake98	on	Single		
H.2.2							1	SEWERA	
H.2.2					/common/Lake98 /common/Town98	on on	Single Unique	SEWERA GE	

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CHAPTER 3 MASTER PLAN

upport	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dof File	On/off	Legend Type	Values Field
-	3.3.1	Landuse Zoning Map	landuse zoning map.apr	LANDUSE ZONING MAP	/common/Studyarea98	on	Single	-
					/common/Town98	<u>on</u>	Unique	Dxf_colo
		1			/common/Elev250m /common/Riv-Basin98	00	Unique Single	Contour
					/common/Sub-Basin98	On On	Single	
					Aand use plan/Protect	00	Unique	Name
					/land use plan/Brosion	on	Unique	Color
					/common/River98	on	Unique	Code
					/common/Lake98	on	Single	
	Í				/land use plan/Mcitybuff	on	Single	
					/land use plan/Buff1 /land use plan/Buff2	01	Single Single	
					/land use plan/Buff3	on on	Single	
					/land use plan/Protect2	on	Unique	Protected
					Aand use plan/Landuse	on	Unique	Lonme
			·	•	/common/Riv-Basin98	on	Single	-
3.4.2	3.4.2	Zoning and Priority Town	zoning and priority town.apr	ZONING AND PRIORITY	/common/Studyarea98	On	Single	•
.					/water quality management plan	off	Single	-
					/Priorityline			D 1. 11
					/common/Town98 /common/Riv-Basin98	<u>on</u>	Unique Single	Priority
					/common/Sub-Basin98	on off	Single	
					/common/River98	on	Unique	Code
					/common/1.ake98	on	Single	
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G.4.5	3.4.5	New or Extended Treatment Works of National Plan in 1989	treatment works.apr	TREATMENTWORKS OF NATIONAL PLAN IN 1989	/common/Studyarea98	on	Single	
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G.3.7	3.4.7	LOCATION OF TOP 20 INDUSTRYIES IN TERMS OF POLLUTION LOAD	industry.apr	INDUSTRY	/common/Studyarea98	ол	Single	-
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E.6.1	3.5.1	Possible Surface Water Balance in 2015 (Case1) Based on the Estimated Water Demand	surface water balance.apr	WATER BALANCE IN 2015 (CASEI) ON THE	/common/Box2	on	Single	
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CHAPTER 3 MASTER PLAN

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Support	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
-	4.1.1	Feasibility Study Town of Pazardjik and Surroundings	basemap 25000.apr	Pazardjik 25000	/feasibility study/25000map /P_town25000	on	Single	
					/feasibility study/25000map/P_river	on	Single	-
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	4.1.2	Feasibility Study Town of Dimitrovgrad and Surroundings	basemap 25000.apr	Dimitrovgrad 25000	/feasibility study/25000map /sd_town25000	on	Single	
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-	4.1.3	Feasibility Study Town of Stara	basemap 25000.apr	Stara Zagora 25000	/feasibility study/25000map	on	Single	
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	121	Sensitive Area of Natural	environmental protection		/feasibility study/25000map	<u> </u>		T
-	4.2.1	Environment around Pazardjik	area.apr	Pazardjki	/P_town25000 /feasibility study/25000map	on	Single	·
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-	4.2.2	Sensitive Area of Natural Environment around	environmental protection area.apr	Dimitrovgrad	/feasibility study/25000map /sd_town25000	ол	Single	
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/common/river98onUniqueCon/common/riv_basin98ponSingle-/common/riv_basin98onUniqueTyp/common/road98onSingle-/study area/water resourses/damonUniqueDxf_c/study area/water resoursesonSingle-//study area/water resoursesonUniqueDxf_c//study area/water resoursesonUniqueDxf_c//study area/water resoursesonUniqueDxf_c//study area/water resoursesonUniqueCon//study area/water resoursesonUniqueCon//study area/water resoursesonUniqueCon//study area/water resoursesonUniqueCon//study area/water resoursesonSingle-//study/study/25000maponSingle-//study/study/25000maponSingle-//common/ririg-buffer-lineonSingle-/common/ririg-bufferonUniqueNew/common/ririg-bufferonSingle-/common/ririg-bufferonSingle-/common/ririg-bufferonSingle-/common/ririg-bufferonSingle-/common/ririg-bufferonSingle-/common/rischeme98lineonSingle-/common/rischeme98lineonSingle-/common/rischeme98lineonSingle- </td <td></td> <td></td> <td>Irrigation Area and River</td> <td>major reservoirs irrigation</td> <td></td> <td>/sd_road25000 /common/riv_basin98 /common/road98 /conmon/minepoint /mining/open mining area /mining/minepoly</td> <td>ON OP OP OB OB ON</td> <td>Unique Single Single Unique Single Unique</td> <td>gainin same:jau</td>			Irrigation Area and River	major reservoirs irrigation		/sd_road25000 /common/riv_basin98 /common/road98 /conmon/minepoint /mining/open mining area /mining/minepoly	ON OP OP OB OB ON	Unique Single Single Unique Single Unique	gainin same:jau
/common/riv_basin98p on Single - /common/road98 on Unique Typ /common/road98 on Single - /study area/water resourses/dam on Unique Dxf_c /study area/water resourses/dam on Single - /study area/water resourses/dam on Single - /htpp_pa on Single - /conmon/canals98 on Unique Type /common/rirg-buffer-line on Single - /p_town25000 on Single - /conumor/rirg-buffer-line on Single - /conumor/rirg-buffer-line on Single - /conumor/rirg-buffer-line on Single - /common/rirg-buffer-line on Single - /common/rigs-buffer on Single - /common/rigs-buffer on Single - /common/rigs-buffer on Single - /common/rigs-buffer on Single -		4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/road98 /common/minepoint /mining/minepoint /mining/minepoly /common/lake98	ON OP OP OB OB ON	Unique Single Single Unique Single Unique Single	nining withe::ai For_regin map
/common/road98 on Single - /study area/water resourses/dam on Unique Dxf_c /study area/water resourses on Single - //hpp_pa on Unique Con /common/p_irrigation on Unique Type /common/canals98 on Unique Type /feasibility study/25000map on Single - /conumor/irrig-buffer on Single - /conumon/rrig-buffer on Single - /common/scheme98line on Single - /common/res98 on Single -		4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/road98 /common/minepoint /mining/open mining area /mining/minepoly /common/lake98 /common/river98	OR OR OR OB OB OB OB	Unique Single Single Unique Single Unique Single Unique	mining putnettar For_regin
/study area/water resourses/dam on Unique Dxf_c /study area/water resourses on Single - /Hpp_pa on Unique Con /common/canals98 on Unique Type_ ana /feasibility study/25000map on Single - /common/ring-buffer-line on Single - /common/ring-buffer on Unique New /common/scheme98line on Single -		4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/road98 /common/minepoint /mining/open mining area /mining/minepoly /conumon/lake98 /conumon/rive198 /conumon/riv_basin98p	OR OR OR OR OR ON OR	Unique Single Single Unique Single Unique Single Unique	niining withe::ai For_regin map
/study area/water resourses on Single - /Hpp_pa on Unique Coo /common/canalis98 on Unique Type_ and /feasibility study/25000map on Single - /p_town25000 on Single - /common/rrig-buffer-line on Single - /common/rrig-buffer on Unique Newf /common/scheme98line on Single -	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/road98 /commos/minepoint /mining/open mining area /mining/minepoly /conumon/lake98 /conumon/rive198 /conumon/rive198 /conumon/riv_basin98p /conumon/riv_basin98	On On On On On On On On	Unique Single Single Unique Single Unique Single Unique Single	nining witheran For_regin map Code
/Hpp_pa on Single /conmon/p_irrigation on Unique Coord /common/canals98 on Unique Type /feasibility study/25000map on Single - /p_town25000 on Single - /common/irrig-buffer-line on Single - /conumon/irrig-buffer-line on Single - /conumon/irrig-buffer-line on Single - /common/irrig-buffer on Unique Newt /common/resplate on Single - /common/resplate on Single -	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/road98 /commos/minepoint /mining/open mining area /mining/minepoly /conunon/lake98 /conunon/river98 /conunon/river98 /conunon/rive_basin98p /conunon/road98	on on on on on on on on on on on on on	Unique Single Single Unique Single Unique Single Unique Single Unique	For_regi Code
//ripp_pa on Unique Con /common/canals98 on Unique Type_ana /feasibility study/25000map on Single - /p_town25000 on Single - /common/canals98 on Unique New /construction on Single - /construction on Single - /construction on Single - /construction on Single -		4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/rinepoint /mining/open mining area /mining/minepoly /common/river98 /common/river98 /common/riv_basin98 /common/riv_basin98 /common/riv_basin98 /common/riv_basin98 /study area/water resourses/dam	on on on on on on on on on on on on on	Unique Single Single Unique Single Unique Single Unique Single	For_regi Code
/common/canals98 on Unique Type_ ana /feasibility study/25000map /p_town25000 on Singte - /common/irrig-buffer-line on Singte - /common/irrig-buffer on Unique Newf /common/scheme98line on Single -	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/minepoint /mining/open mining area /mining/minepoly /common/lake98 /common/rive98 /common/rive98 /common/riv_basin98 /common/riv_basin98 /common/riv_basin98 /common/riv_basin98 /common/rive98	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0	Unique Single Single Single Unique Single Unique Single Unique Single Unique	For_regi Code
/common/cess98 on Single - /common/cess98 on Single -	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/road98 /common/minepoint /mining/open mining area /mining/minepoly /conumon/lake98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/road98 /study area/water resources/dam /study area/water resources/dam	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single Single	niining Pratoczan For_regi map Code Type Dxf_col
/feasibility study/25000map on Single - /p_town25000 on Single - /common/irrig-buffer-line on Single - /common/scheme98line on Single - /common/scheme98line on Single -	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/road98 /common/minepoint /mining/open mining area /mining/minepoly /conumon/lake98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/road98 /study area/water resources/dam /study area/water resources/dam	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single Single	niining Pratmerijan For_regi map Code
/p_town25000 on Single //common/irrig-buffer-line on Single //common/irrig-buffer on Unique Newf /common/irrig-buffer on Unique Newf /common/scheme98line on Single //	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/minepoint /mining/minepoint /mining/minepoly /conumon/lake98 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/road98 /study area/water resourses/dam /study area/water resourses /Hpp_po /conumon/p_irrigation	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single Unique	niining For_regi map Code
/common/irrig-buffer-line on Single /common/irrig-buffer on Unique New /common/scheme98line on Single /common/res98 on Single -	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/minepoint /mining/open mining area /mining/minepoly /conumon/lake98 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798	OR OR	Unique Single Single Unique Single Unique Single Unique Single Unique Single Unique Unique	niining For_regi map Code
/common/scheme98line on Single - /common/res98 on Single -	-	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/road98 /common/minepoint /mining/open mining area /mining/minepoly /conumon/lake98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/riv_basin98 /conumon/road98 /study area/water resourses/dam /study area/water resourses /thpp.pa /conumon/p_irrigation /common/p_irrigation /common/canals98	OR OR	Unique Single Single Unique Single Unique Single Unique Single Unique Single Unique Unique	niining For_regi map Code
/common/res98 on Single -	•	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/riv_basin98 /common/rivepoint /mining/minepoly /conunon/lake98 /conunon/riv_basin98 /conunon/riv_basin98 /conunon/riv_basin98 /conunon/riv_basin98 /conunon/riv_basin98 /study area/water resourses/dam /study area/water resourses /Hpp_pa /common/p_tirigation /common/p_tirigation /common/canals98 /feasibility study/25000map /p_town25000	on on on on on on on on on on on on on o	Unique Single Single Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single	niining For_regi map Code
	- -	4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/ringpoint /runing/open mining area /mining/minepoly /common/lake98 /common/rive98 /common/rive98 /common/rive98 /common/rive98 /common/rive98 /common/rive98 /common/rige98 /study area/water resourses /Hpp_pa /common/p_irrigation /common/p_irrigation /common/roanals98 /feasibility study/25000map /p_town25000 /common/ririg-buffer-line /common/ririg-buffer-line	OR OR	Unique Single Single Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single	miniag miniag For_regi map Code Type Dxf_col Type_of anals
/common/intak1_a98 on Single		4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/rinepoint /mining/open mining area /mining/minepoly /conumon/lake98 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rive798 /conumon/rig8 /study area/water resources/dam /study area/water resou	OR OR	Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single	For_regi Code
		4.2.6	-		Pazardjik	/sd_road25000 /common/riv_basin98 /common/riv_basin98 /common/road98 /common/minepoint /mining/open mining area /mining/minepoly /conumon/rive198 /conumon/rive198 /conumon/rive198 /conumon/rive198 /conumon/rive198 /conumon/road98 /study area/water resourses/dam /study area/water resourses /Hpp_po /conumon/p_irrigation /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line /common/rrig-buffer-line	OR OR	Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single Unique Single Single Single Single	niinia withetta For_reg map Code Type Dxf_co Code Type_o anals

CHAI	TER	4 FEASIBILITY ST	UDY	T		····		
Support	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
-	4.2.7	Irrigation Area and River Intakes around Dimitrovgrad	major reservoirs irrigation systems and hydropower.apr	Dimitrovgrad	/common/lake98	on	Single	-
		The second provide the second s			/common/river98	on	Unique	Code
			1		/common/riv_basin98p	ол	Single	
					/common/riv_basin98	ол	Unique	Туре
					/common/road98	0n	Single	
			· ·		/study area/water resourses/dam	оп	Unique	D2f_color
			1		/study area/water resourses/tpp	On	Single	
					/study area/water resourses	 010	Unique	Туре
					/irrigation			
					/common/canats98	on	Unique	Type_of_c anals
					/feasibility study/25000map /sd_town25000	ÓN	Single	-
	4.2.8	Irrigation Area and River Intakes around Stara Zagora	major reservoirs irrigation systems and hydropower.apr	Stara Zagora	/common/lake98	on	Single	-
			· ·		/common/intak2_a98	on	Single	
					/common/riv_basin98p	on	Single	·
					/common/riv_basin98	on	Unique	Туре
					/common/road98	on	Single	·
					/study area/water	on	Single	- 1
		1			resourses/hpp_pn /feasibility study/25000map			
					/sd_river25000line	00	Unique	Dxf_layer
					/study area/water resourses /irrigation	Óħ	Unique	Code
					/common/canals98	ón	Unique	Type_of_c anals
					/feasibility study/25000map /sd_town25000	Óß	Single	-
					/study area/water resourses /irrigation	ол	Unique	Туре
			1		/common/lak_constr98	en	Single	
H.2.3	4.2.10	Main Collectors of Sewerage and Industries in Pazardjik	sewerage problem map.apr	Pazardjik S.System	/feasibility study/25000map /P_troads	on	Unique	FOR OVERLA
					/feasibility study/25000map /p_road25000	on	Unique	only for regend 10000
					/feasibility study/25000map /p_river25000line	on	Single	-
					/feasibility study/25000map /p_town25000	on	Single	
					/feasibility study/10000map /p_town10000	on	Single	-
					/feasibility study/10000map /p_rroads	on	Single	-
ļ					/feasibility study/10000map /p_road10000	00	Single	-
	ļ				/feasibility study/10000map /p_river10000line	ол	Single	-
			ļ		/feasibility study/10000map /p_river10000	on	Single	· -
		1			/feasibility study/10000map /s_sewerage overflow.shp	on	Single	-
1					/feasibility study/10000map /s sewerage overflow line.shp	ол	Single	-
					/feasibility study/10000map /p_sewcrage system	on	Unique	Sewerage_

Support	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
H.2.8	4.2.11	Main Collectors of Sewerage and Industries in Dimitrovgrad	sewerage problem map.apr	Dimitrovgrad S.System	/feasibility study/25000map /sd_rroads	on	Unique	For over
					/feasibility study/25000map	on	Unique	Only_fo
					/d_road25000 /feasibility study/25000map	 ດກ	Unique	Ônly_fi
					/d_river25000line /feasibility_study/25000map	-	•	0
					/sd_town25000 /feasibility_study/10000map		Single	
					/d_town10000 /feasibility study/10000map	on	Single	
					/d_rroad10000 /feasibility study/10000map	on	Single	
					/d_road10000	on	Single	
					/feasibility study/10000map /d_river10000line	on	Unique	Тура
					/feasibility study/10000map /d_river10000poly	on	Single	-
					/feasibility study/10000map /d_sewerage system	on	Unique	Sewera syster
					/feasibility study/10000map /s_sewerage overflow.shp	on	Single	-
-					/feasibility study/10000map	on	Single	
H 2.5	4.2.12	Main Collectors of Sewerage	sewerage problem map.apr	Stara Zagora S.System	/s_sewerage overflow line.shp /feasibility study/25000map	on	Unique	FOR
		and Industries in Stara Zagora			/sd_rroads /feasibility_study/25000map	 0n	Single	OVERI
					/s_road25000 /feasibility study/25000map			Only_fe
		1			/s_river25000line /feasibility study/25000map		Unique	0
					/s_town25000 /feasibility study/10000map	on	Single	
	r i				/st_town10000 /feasibility_study/10000map	0n	Single	
					/st_moad10000 /feasibility study/10000map	on	Single	
					/st_road10000	0n	Single	-
					/feasibility study/10000map /st_river10000	0n	Unique	Oaly_fe
		· · · · ·	12.5		/feasibility study/10000map /st_sewerage system	on	Unique	Sewerag s
					/feasibility study/10000map /s_sewerage overflow.shp	on	Single	
					/feasibility study/10000map /s_sewerage overflow line.shp	on	Single	-
H.2.3	4.2.13	Problematic Location of Sewerage Network in Pazardjik	sewerage problem map.apr	Pazardjik S.System	/feasibility study/25000map /p_rroad25000	on	Unique	FOR
		Sewerage retwork in Facalulty			/feasibility study/25000map		Unique	only fo
					/p_road25000	on 		regen 10000
					/feasibility study/25000map /p_river25000line	on	Single	-
					/feasibility study/25000map /p_town25000	ดก	Single	•
					/feasibility study/10000map /p_town10000	ол	Single	-
					/feasibility study/10000map /p_rroad10000	on	Single	
					/feasibility study/10000map /p_road10000	on	Single	-
					/feasibility study/10000map /p_river10000	ол	Single	
					/feasibility study/25000map	on	Single	
					/p_river25000 /feasibility study/10000map		Single	
					/p_sewerage system /feasibility study/10000map	on	Single	
	ŀ	2 · · · ·			/p_sowerage overflow system /feasibility study/10000map			Sewerag
	L.,	L			/p_sewerage overflow line	оп	Unique	ş

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Support	Fig	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
-	4.2.14	Problematic Location of Sewerage Network in	sewerage problem map.apr	Dimitrovgrad S.System	/feasibility study/25000map /sd_rroad25000	on	Unique	For overla
	1				/feasibility study/25000map /d_road25000	on	Unique	Only_for_
					/feasibility study/25000map /d_river25000line	on	Unique	Only_for_ O
					/feasibility study/25000map /sd_town25000	ón	Single	-
		/feasibility s /d_town100 /feasibility s	/feasibility study/10000map /d_town10000	on	Single	•		
				/feasibility study/10000map /d_rroad10000	on	Single	•	
					/feasibility study/10000map /d_road10000	on	Single	-
					/feasibility study/10000map /d_river10000line	on	Unique	Туре
		r.			/feasibility study/10000map /d river10000	ол	Single	
		· ·			/feasibility study/10000map /d_sewerage system	0n	Unique	Sewerage system
	-				/feasibility study/10000map /d_sewerage overflow	cn	Single	-
		ι.			/feasibility study/10000map /d_sewerage overflow line	on	Single	-
	4.2.15	Problematic Location of Sewerage Network in Stara	sewerage problem map.apr	Stara Zagora S.System	/feasibility study/25000map /sd_rroad25000	on	Unique	FOR
		Sewerage Network III Stata			/feasibility study/25000map /s_road25000	on	Unique	only for regend 10000
					/feasibility study/25000map /s_river25000line	on	Single	-
					/feasibility study/25000map /sd_town25000	0ħ	Single	-
					/feasibility study/10000map /st_town10000	on	Single	-
					/feasibility study/10000map /st_troad10000	on	Single	
		× .			/feasibility study/10000map /st_road10000	on	Single	-
					/feasibility study/10000map /st_river10000	ол	Single	
					/feasibility study/25000map /s_town25000	on	Single	-
					/feasibility study/10000map /st_sewerage system	on	Single	-
		-			/feasibility study/10000map /s_sewerage overflow	on	Single	-
					/feasibility study/10000map /s_sewerage overflow line	on	Unique	Sewerage s

TABLE A.7.2RELATIONSHIP BETWEEN PROJECT FILEAND SHAPE FILE OF THE SUPPORTING REPORT

SUPPORTING REPORT B LAND USE

(1

Final	Suppor	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
	B.1,1	VEGETATION MAP	vegetation map.apr	VEGETATION MAP	/common/Studyarea98	on	Single	-
					/common/Town98	01	Unique	Dxf_color
				1	/common/Elev250m	on	Unique	Contour
					/common/River98	on	Unique	Code
					/common/Lake98	on	Single	-
					/study area/land use/Vegetation	625	Unique	Value
					/common/Riv-Basin98p	off	Single	

SUPPORTING REPORT C HYDRO-GEOLOGY

Final	Support		Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
2.1.4	C.I.1	Geological Map for the Maritza River Basin	geological map.apr	GEOLOGICAL MAP FOR THE MARITZA RIVER	/common/Riv-Basin98	on	Single	-
					/common/Sub-Basin98	<u>on</u>	Single	·
					/study area/natural condition	on	Unique	Dxf_color
					/Coal_mines /common/Town98	1	Unique	Dufl.
					/common/Studyarea98	on		Dxf_color
					/study area/natural condition	on	Single	
					/Fault	on	Unique	Typeen
			· · · · · · · · · · · · · · · · · · ·	DISTRIBUTION OF	/study area/natural			
-	C.2.1	Distributon of Specific Yield	distribution of specific yield, apr	SPECIFIC YIELD	condition/gr_wt	on	Unique	Dxf_layer
					/study area/natural	1		
					condition/gr_w12	on	Unique	Dxf_layer
1					/common/Town98	on	Unique	Dxf_color
					/common/Studyarea98	on	Single	-
					/common/Railway98	on	Unique	Dxf_color
					/common/Road98	ÓN	Unique	Dxf_color
					/common/River98	on	Unique	Code
					/common/Lake98	on	Single	-
					/common/Sub-Basin98	on	Single	*
					/study area/natural	on	Unique	color
				POLLUTED	condition/distri_af			
		Groundwater Monitoring	polluted groundwater	GROUNDWATER	/study area/waterquality and			
2.5.1	C.3.1	Statons of Neesd and NIMH	stations.apr	MONITARING STATIONS	pollution source/Gw_NCESD	on	Unique	So4_po4
		Statons of Neesd and Niviri	stations.apr	DATA FROM NCESD AND	ponution source/Ow_NCB3D			
				DATA FROM NCESD AND	/common/Gw_NIMH1	off	Unique	Туре
					/study area/waterquality and	1		
					pollution source/Gw_NIMH2	off	Single	-
					/study area/waterquality and			
					pollution source/Gw_NCESD	off	Single	-
					/common/Town98	on	Unique	Dxf_color
					/conunon/River98	on	Unique	Code
					/common/Lake98	OR	Single	•
					/common/Sub-Basin98	on	Single	-
					/common/Studyarea98	on	Single	
					/study area/socio-economic	on	Unique	Туре
		1			/Devastated land			- 76-
		MONITORING SYSTEM BY	monitoring system by	MONITORING SYSTEM BY	/common/Riv-Basin98	01	Single	<u> </u>
2.5.2	C.3.2	MORITORING STATEM BT	moew.apr	MOEW	/common/Studyarea98	on	Single	-
					/common/Riv-Basin98	<u> </u>	Single	
	!	· ·		1	/study area/natural condition	on	Unique	Dxf_layer
	{				/Well			
	1				/common/Lake98 /common/Town98	on	Single	Duflour
	1				/common/River98	on	Unique Unique	Dxf_laye
					/study area/natural condition	on	<u>onique</u>	Code
		-		•	/Gw_Contour	off	Single	-
			}		/common/Riv-Basin98	on	Single	
2.5.3	C.3.3	Hydrogeological Map	Hydrogeological map.apr	HYDROGEOLOGICAL MAP	/common/Studyarea98	on	Single	
					/common/Lake98	on	Single	-
		1			/common/Town98	on	Unique	Dxf_laye
					/common/River98	on	Unique	Code
	ļ .			4	/common/Road98	00	Unique	Dxf_colo
				1	/common/River98	ວກ	Unique	Code
	1				/study area/natural	off	Unique	color
			1		condition/transmissivity		omque	00101
					/study area/natural	on	Unique	cotor
			distribution of groundwater	DISTRIBUTION OF	condition/transmissivity-af /study area/natural			
-	C.3.4	Distributon of Groundwater Tal	1 -			on	Unique	Dxf_laye
			table.apr	GROUNDWATER TABLE	condition/gr_wt /study area/natural			
	1			5	condition/gr_wt2	on	Unique	Dxf_laye
					/study area/natural	ол	Unique	Elevation
		1			condition/Gwatert /study area/natural		·	
	1			l	condition/Gwatert	ón	Single	
	1	1	1		/common/Town98	on	Unique	Dxf_colo
	1			1	/common/Studyarea98	on	Single	
	ł	ł			/common/Railway98	on	Unique	Dxf_colo
	1				/common/Road98	on	Unique	Dxf_colo
	1	1	1		/common/River98 /common/Lake98	<u>0n</u>	Unique Single	Code
						ол		-

Final	Suppor L	Tittle of Figure	Name of Project	Name of View	Shapc & Dbf File	Or/off	Legend Type	Value Field
2.3.1	D.2.1	Observation Network for Meteorology of NIMH	meteorology of nimh.apr	OBSERVATION NETWORK	/common/Meteo_Station	ón	Unique	Dxf_la
		meteorology of the str			/common/Towa98	off	Unique	Dxf_co
					/common/Studyarea98	on	Single	-
					/common/Railway98	on	Unique	Dxf_ce
					/common/Road98	on	Unique	Dxf_c
					/common/River98	on	Unique	Cod
					/common/Lake98	on	Single	
2.3.2	Ð.3.1	Observation Network for Hydrology of NIMH	hydrology of ninth.apr	OBSERVATION NETWORK FOR HYDROLOGY OF	/common/Hydro_Station	on	Unique	Dxf_c
					/common/Town98	ON .	Unique	Dxf_c
					/common/Studyarea98	<u>on</u>	Single	
					/common/Road98	on	Unique	Dxf_c
				ł	/common/Railway98	on	Unique	Dxf_c
	1				/common/Lake98	<u>- 01</u>	Single	
				1	/common/River98	on	Unique	Cou
				GENERAL	/common/Riv_monit	on	Single	
2.2.3	D,4.1	General Metcorological Condition(1963-1995)	Meteological Condition.apr	METEOROLOGICAL CONDITION(1963-19959	/common/Town98	on	Unique	Dxf_c
					/common/Studyarea98	on	Single	-
			· · ·	, · · · ·	/common/Road98	on	Unique	Dxf_c
				1	/common/Railway98	on	Unique	Dxf_c
					/common/Lake98	on	Single	
		1		1	/common/River98	on	Unique	Co
]			/common/Sel_stat	on	Single	
	┣──	L		ANNUAL AVERAGE		+- <u>~</u> "		
	- n	Annual Average Precipitation at	annual average	PRECIPITATIONS AT THE	/study area/meteorology and	on	Single	-
2.3.4	D.4.2	the Meteorological Station	precipitations.apr		hydrology/Outer-hydromet		ange	_
		ine inclusion of the loss		METEOROLOGICAL		·]		
	l	1		1	/study area/meteorology arkl	on	Single	-
	i i		1		hydrology/Outer-hydromet	1 1	-	
			1		/commor/Meteo_Station	on	Unique	Dxf_
					/common/Studyarea98	00	Single	-
					/common/Railway98	on	Unique	Dxf_0
				ł	/common/Road98	on	Unique	Dxf_o
					/common/River98	on	Unique	Co
	1			l	/common/Lake98	on	Single	-
-	D.4.3	Correlation of Annual Precipitation among Representative and Neighboring Stations (1963 – 1981)	correlation of annual precipitation.apr	CORRELATION OF ANNUAL PRECIPITATION AMONG REPRESENTATIVE AND NEIGHBORING	/common/Meteo_Station	on	Unique	cod
		Stations (1903 - 1981)			/study area/natural	on	Single	-
	ł				condition/coe-line			- <u></u> -
					/common/Studyarea98	on	Single	
		1			/common/Railway98	on	Unique	Dxf_
					/common/Road98	on	Unique	Dxf_
	1			1	/common/River98	on	Unique	Co
	1	1			/common/Lake98	on	Single	-
· -	D.4.4	Correlation of Annual Precipitation between Svilengrad ard other	correlation of annual precipitation.apr	CORRELATION OF ANNUAL PRECIPITATION BETWEEN SVILENGRAD AND REPRESENTIVE	/contraor/Meteo_Station	on	Unique	cot
	1	Representative Stations (1963 -			/study area/natural	6.0	Single	
	1	1	1		condition/coe-line2	on	-	1
		· ·	1		/common/Studyarea98	no	Single	
	1	1	1		/common/Railway98	on	Unique	Dxf_
		1	1		/common/Road98	on	Unique	Dxf_
	1		1		/common/River98	on	Unique	Co
	1	l l			/солитоп/Lake98	00	Single	
2.3.5	D.4.7	Thiessen Polygons Associated with the Representative Stations	thiessen polygons.apr	THIESSEN FOLYGONS ASSOCIATED WITH THE REPRESENTATIVE	/common/Studyarca98	on	Single	
		•		REFRESENTATIVE	/study area/meteorology and hydrology/Repro_Station	On	Unique	Dxf_
				5	/study area/meteorology and	on	Single	
			1	1	hydrology/St_poly		Single	
			1	1	/common/Lake98	on	Single	- ;-
	1		•	1	/common/River98	on	Unique	Co
		1		1	/common/Railway98	<u>0n</u>	Unique	Dxf
			1	1	/common/Road98	<u></u>	Unique	Dxf_
	1	1	1	1	/study area/meteorology and	1	1	1
	1				hydrology/St_poly	off	Single	

SUPPORTING REPORT D METEOROLOGY AND HYDROLOGY

Legend Type Suppor Name of Project Final Name of View Tittle of Figure Shape & Dbf File Or/off ANNUAL AVERAGE Annual average D.4.12 Annual Average Precipitaions at the Meteorological Station PRECIPITATIONS AT THE /common/Studyarea98 . Precipitaions.apr on METEOROLOGICAL /common/Lake98 /common/River98 Single Unique on on /common/Railway98 on Unique /common/Road98 Unique Unique on /common/town98 on /common/Metco_Station on Unique /study area/meteorology and hydrology/outer_hydromet /study area/meteorology and on on hydrology/outer_hydromet HMS for Morphological Study HMS for morphological study, af HTM FOR /common/Studyarea98 . D.5.10 Overlayed with on MORPHOLOGICAL STUDY

Values

Field

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Code

Dxf_color

Dxf_color Dxf_color

Code2

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CODE2

Dxf_color

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Dxf_color

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Code

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/common/hydro_station /study area/water resources/dam /common/town98 /river basin management

plan/int_weir /common/canals

/common/road98

/common/Lake98

/common/River98

/common/railway98

SUPPORTING REPORT D METEOROLOGY AND HYDROLOGY

Structures/Intake Facilities

inal	Suppor t	Name of View	Project File	Name of View	Shape & Dbf File	On/off	Legend Type	Value Field
2.4.2	£.1.1	Major Reservoirs, Irrigation Systems and Hydropower Schemes in the Maritza River Basin	resercoirs-irrigation- hydropower.apr	MAJOR RESERVOIRS,IRRIGATION SYSTEMS AND HYDROPOWER SCHEMES IN THE MARITZA RIVER	/common/Box2	ún	Single	-
			,		/common/Box1	on	Single	•
					/common/Junction	on	Single	-
1			,		/common/Res98	on	Single	
			1		/common/Canals98	06	Unique	Dxf_co
					/common/Lak_constr98	on	Single	-
					/common/Intak_a98	on	Unique	Dxf_t
					/study area/water resources	1		
-	E.1.2	Irrigation Branch	irrigation branch.apr	IRRIGATION BRANCH	/Reg_98ce /study area/water resources	ол 	Unique	Dxf_l:
					/Mun98	on	Single	
					/common/Reg_boun98	<u>on</u>	Single	
					/common/Reg_boun98 /study area/water resources	on	Unique	Reg
					/Mun98	on 	Unique	Regi
					/study area/water resources /Irig labels	on	Single	-
		· · · ·			/study area/water resources	ол	Unique	Regi
			1	1	/Mun98			I
					/common/Town98	on	Unique	Dxf_c
			1		/common/River98	on	Unique	Coc
			1		/common/Lake98	on	Single	
			1		/common/Studyarea98	on	Single	
			ł		/common/Road98	<u> un</u>	Unique	Dxf_c
			l · .		/common/Railway98	ол	Unique	Dxf_c
1	· ·				/common/Irrig97	On	Single	
			· · · · · · · · · · · · · · · · · · ·		/common/Irriaddpoly97	on	Single	· · ·
-	E.1.3	Medium and Small Reservoirs/Ponds	Medium and Small Reservoirs- Ponds.apr	Medium and Small Reservoirs- Ponds	/common/ponds	ол	Single	-
			1		/common/Town98	on	Unique	Dxf_c
			1		/common/River98	on	Unique	Cox
					/common/Lake98	<u> </u>	Single	
		1	1		/common/Studyarea98	on	Single	-
			1		/common/Road98	on	Unique	Dxf_c
			· ·		/common/Railway98	on	Unique	Dxf_c
2.4.2	E,4.1	Natural Surface Water Potential in 1994 and 1995	surface water potential apr	NATURAL SURFACE WATER POTENTIAL IN 1994	hbound1p99+1	0B.	Single	
					hbound1p99+1 /common/Junction	on	Unique	- Nan
		· · ·	1			. on	Unique	Coc
					/study area/water resources /Hbound1p99	off	Chart	Pr9
				1				
			F	1 1	/common/Studyarea98	on	Single	-
	ł	1			/common/Studyarea98 /common/Riv-Basin98	0n 0n		
						on	Single	Co
					/common/Riv-Basin98	on on		
					/common/Riv-Basin98 /common/River98	on on on	Single Unique Single	
					/common/Riv-Basin98 /common/River98 /common/Lake98	on on	Single Unique	
2.4.4	E.5.1	Present Surface Water Balance Based on the Observed Discharge	surface water balance,apr	PRESENT SURFACE WATER BALANCE BASED ON THE PRESERVED DISCHARGE	/common/Riv-Basin98 /common/Liver98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2	On On On On	Single Unique Single Graguated Single	Cod
2.4.4	E.5.1	Based on the Observed	surface water balance.apr	BALANCE BASED ON THE	/common/Riv-Basin98 /common/River98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1	On On On On On	Single Unique Single Graguated Single Single	Pr -
2.4.4	E.5.1	Based on the Observed	surface water balance.apr	BALANCE BASED ON THE	/common/Riv-Basin98 /common/River98 /common/Lake98 /study atea/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Box1	On On On On On On On	Single Unique Single Graguated Single Single Unique	Pr -
2.4.4	E.5.1	Based on the Observed	surface water balance.apr	BALANCE BASED ON THE	Common/Riv-Basin98 /common/Liver98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junetion /common/Studyarea98	on on on on on on on on	Single Unique Single Graguated Single Single Unique Single	- - - - - -
2.4.4	E.5.1	Based on the Observed	surface water balance.apr	BALANCE BASED ON THE	/common/Riv-Basin98 /common/Lake98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junction /common/Junction /common/Junction	On On On On On On On On On On Off	Single Unique Single Graguated Single Single Unique Single Unique	- - - - - -
2.4.4	E.5.1	Based on the Observed	surface water balance,apr	BALANCE BASED ON THE	/common/Riv-Basin98 /common/Like98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junction /common/Junction /common/Town98 /common/Riv-Basin98	on on on on on on on off on	Single Unique Single Graguated Single Unique Single Unique Single	
2.4.4	E.5.1	Based on the Observed	surface water balance.apr	BALANCE BASED ON THE	Common/Riv-Basin98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Riv-Basin98 /common/Riv-Basin98	on on on on on on on off on on	Single Unique Single Graguated Single Unique Single Unique Single Single	Pr Coc Dxf_c
2.4.4	E.5.1	Based on the Observed	surface water balance.apr	BALANCE BASED ON THE	common/River98 /common/Lake98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box1 /common/Box1 /common/Junction /common/Studyarea98 /common/Studyarea98 /common/River88 /common/River88	0n 00 00 00 00 00 00 00 00 00 00 00 00 0	Single Unique Single Graguated Single Unique Single Unique Single Unique Single Unique	Pr Coo
2.4.4	E.5.1	Based on the Observed	surface water balance.apr	BALANCE BASED ON THE PRESERVED DISCHARGE	Common/Riv-Basin98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Junction /common/Riv-Basin98 /common/Riv-Basin98	on on on on on on on off on on	Single Unique Single Graguated Single Unique Single Unique Single Single	Pr Coo
2.4.4	E.5.1 E.5.2	Based on the Observed		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE	common/River98 /common/Lake98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box1 /common/Box1 /common/Junction /common/Studyarea98 /common/Studyarea98 /common/River88 /common/River88	0n 00 00 00 00 00 00 00 00 00 00 00 00 0	Single Unique Single Graguated Single Unique Single Unique Single Unique Single Unique	Pr Coc Dxf_c
		Based on the Observed Discharge Possible Surface Water Balance in the Present Based on the		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE	Common/Riv-Basin98 /common/Lake98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Studyarea98 /common/Tiw-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98	00 00 00 00 00 00 00 00 00 00 00 00 00	Single Unique Single Graguated Single Unique Single Single Unique Single Single	Pr Coo
		Based on the Observed Discharge Possible Surface Water Balance in the Present Based on the		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE	Common/Riv-Basin98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junction /common/Junction /common/Junction /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98	on on on on on on off on on on on on on on on on on on on on	Single Unique Single Graguated Single Unique Single Unique Single Single Single	
		Based on the Observed Discharge Possible Surface Water Balance in the Present Based on the		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE	common/Riv-Basin98 /common/Lake98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box1 /common/Junction /common/Sudyarea98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98	on on	Single Unique Single Graguated Single Single Unique Single Unique Single Single Single Single Single	Pr Coo
		Based on the Observed Discharge Possible Surface Water Balance in the Present Based on the		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE	common/River98 /common/Lake98 /common/Lake98 /tudy area/water resources /Hbound1p99 /common/Box1 /common/Box1 /common/Studyarea98 /common/RiveBasin98 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988 /common/RiveBasin988	on on	Single Unique Single Graguated Single Unique Single Unique Single Unique Single Single Single Single Single Single	
		Based on the Observed Discharge Possible Surface Water Balance in the Present Based on the		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE	Common/Riv-Basin98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junction /common/Studyarea98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98	on on	Single Unique Single Graguated Single Unique Single Unique Single Single Single Single Single Unique Single Unique Unique	
		Based on the Observed Discharge Possible Surface Water Balance in the Present Based on the		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE	common/Riv-Basin98 /common/River98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box1 /common/Box1 /common/Sudyarea98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/River98 /common/River98 /common/River98 /common/Box2 /common/Box1 /common/Box1 /common/Sudyarea98 /common/Sudyarea98 /common/Sudyarea98 /common/Sudyarea98 /common/Sudyarea98	on on on on on on on off on on on on on on on on on on on on on	Single Unique Single Graguated Single Unique Single Unique Single Unique Single Single Single Single Unique Single Single Unique Single Unique Single	
		Based on the Observed Discharge Possible Surface Water Balance in the Present Based on the		BALANCE BASED ON THE PRESERVED DISCHARGE POSSIBLE SURFACE WATER BALANCE IN THE PRESENT BASED ON THE	Common/Riv-Basin98 /common/Lake98 /study area/water resources /Hbound1p99 /common/Box2 /common/Box1 /common/Junction /common/Studyarea98 /common/Riv-Basin98 /common/Riv-Basin98 /common/Riv-Basin98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98	on on	Single Unique Single Graguated Single Unique Single Unique Single Single Single Single Single Unique Single Unique Unique	

SUPPORTING REPORT E WATER RESOURCES

SUPPORTING REPORT E WATER RESOURCES

Final	Suppor	Name of View	Project File	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
.5.1	E.6.1	Possible Surface Water Balance in 2015 (Case1) Based on the Estimated Water Demand	surface water balance.apr	POSSIBLE SURFACE WATER BALANCE IN 2015 (CASEI) ON THE	/common/Box2	on	Single	
				ESTIMATED WATER	/common/Box I		Single	
					/common/Junction	on on	Unique	Code
					/common/Studyarea98	on	Single	COG
					/common/Town98	off	Unique	Dxf_col
					/common/Riv-Basin98		Single	DAI_CON
			· ·		/common/Riv-Basin98	on	Single	
					/common/River98	on on	Unique	Code
					/common/Lake98	A 1 1 1 1		Code
3.5.2	E.6.2	Zoning for Water Resources	water resource management.apr	ZONING FOR WATER	/common/Lake98	on on	Single Unique	Dxf_cole
3.3.2	E.U.Z	Management	water resource managementapi	RESOURCES		ļ ļ		
	Į				/common/Riv-Basin98p	00	Single	<u> </u>
					/common/Studyarea98	on	Single	·····
			1		/common/Intak_a98	on	Single	
]	1			/common/Intak2_a98	on	Single	
					/common/Intak1_a98	<u>On</u>	Single	
	ļ				/common/Lake98	on	Single	
					/common/River98	on	Unique	Code
	[/common/Irriadopoly97	UN.	Single	
	1			THUNG OF FORION	/common/Irrig97	ол	Single	
-	E.6.3	Analysis of Erosion Potential and Protection Area to be	erosion potential & protection area .apr	ANALYSIS OF EROSION POTENTIAL AND	/river basin management plan /Label	on	Single	-
		Considered	area mpa	PROTECTION AREA TO				·
				BE CONSIDERED	/common/Studyarea98	<u>on</u>	Single	-
					/common/Town98	on	Unique	Dxf_col
					/common/Riv-Basin98	on	Single	
		1		1	/common/River98	on	Unique	Code
			1		/common/Lake98	on	Single	-
					/grids/qrs/Query10	on	Unique	Value
		· · · ·		1	/grids/qrs/Query9	on	Uлique	Value
					/grids/slope3/Ncor-stop3	00	Unique	Value
					/grids/qrs/Query6	on	Unique	Value
]	1			/grids/qrs/Query5	<u>On</u>	Unique	Value
					/grids/ncorine/Ncorine3%	on	Unique	Value
	1				/grids/qrs/Slope2	on	Graduated	Value
				OTTO PLICE UP A	/common/Riv-Basin98	0n i	Single	-
3.5.3	E.6.4	Strengthening of Monitoring Network for Meteorology	strengthening for meteorology.apr	STRENGTHENING OF MONITORING NETWORK FOR METEOROLOGY	/common/Meteo_Station	on	Unique	Code3
		1			/common/Meteo_Station	on	Unique	C de2
	1	1	1	•	/common/Studyarea98	on	Single	
	1	· ·	1		/common/Lake98	on	Single	-
	1	1	1		/common/River98	on	Unique	Code
			1.	1	/common/Railway98	on	Unique	Dxf_col
					/common/Road98	on	Unique	Dxf_col
3.5.4	E.6.5	Strengthening of Monitoring Network for Hydrology	strengthening for hydrology.apr	STRENGTHENING OF MONITORING NETWORK FOR HYDROLOGY	/common/Hydro_Station	on	Unique	Code
	1			POK INDROLUGI	/common/Hydro_Station	off	Unique	Code
			1	1	/common/Hydro_Station	on	Unique	Code
	1	li de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		1	/common/Studyarea98	on	Single	

SUPPORTING REPORT E WATER RESOURCES

Final	Suppor 1	Name of View	Project File	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
3.5.5	E.6.6	Proposed Monitoring Stations for River Basin Management	proposed monitoring stations.apr	PROPOSED MONITORING STATIONS FOR RIVER BASIN MANAGEMENT	/river basin management plan /Wt-dispnt	on	Single	
					/river basin management plan /Wt-discan	on	Single	-
	-				/river basin management plan /Dismetst	ол	Single	-
					/river basin management plan /Wilevres	on	Single	-
					/river basin management plan /Int. weir	ол	Single	
					/common/Studyarea98	on	Single	
					/common/Town98	on	Unique	MAIN CIT
					/common/Intak_a98	on	Single	·
					/common/Intak1_a98	on	Single	· · · ·
				-	/common/Intak2_a98	on	Unique	Dxf_cold
			[l	/common/Canals98	on	Unique	Dxf_cold
					/common/Reservoirp98	on	Single	
					/common/Res98	on	Single	
				ļ	/common/Lak_constr98	on	Single	
					/common/Lake98	on	Single	
					/common/River98	on	Unique	Code
					/river basin management plan /Irri98	on	Single	-
		· · · · · · · · · · · · · · · · · · ·			/common/Irriaddpoly97	on	Single	-
3.5.6	E.6.7	Areas for Forest Conservation and Reforestation for Water Resources	areas for forest & reforestation.apr	AREAS FOR FOREST CONSERVATION AND REFORESTATION FOR WATER RESOURCES	/common/Studyarea98	on	Single	-
					/river basin management plan /Forestlabel	on	Single	-
					/common/Town98	on	Unique	Dxf_colo
					/river basin management plan /Waterresource	on	Single	-
	,				/common/Intak_a98	llo	Single	
		and the second second second second			/common/Intak1_a98	off	Single	
		· · ·			/common/Intak2 a98	ofi	Single	
		· · · ·			/common/River98	on	Unique	Code
		· · · ·			/common/Lake98	on	Single	
					/common/Irrig97	off	Single	
			1		/common/Irriaddpoly97	off	Single	
					/river basin management plan /Class3	00	Unique	Gridcode
					/river basin management plan /Class1	Un	Unique	Gridcode

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SUPPORTING REPORT F WATER SUPPLY

-	F.1.1	Water Supply Systems in the Maritza River Basin	water supply system in maritza.apr	WATER SUPPLY SYSTEM IN THE MARITZA RIVER	/common/Studyarea98	on	Type Single	Field
			· · .				•	
			ł '		/common/Town98	on	Unique	Dxf_colo
					/common/Railway98	on	Unique	Dxf_cold
					/common/Road98	0n	Unique	Dxf_cold
					/water quality			REGION
					management/Ws_points	on	Unique	LAYER
					/water quality	on	Unique	REGIO
					management/Reserv /water quality	on .	Unique	LAYER REGIO
					management/water_supply_t /water quality		Olique	LAYEF REGIO
					management/water_supply_p	on	Unique	LAYER
					/water quality management/watersup	on	Single	
					/water quality	on	Single	
					management/wtrpipies /water quality			
		, 			management/Wslines	On	Single	
					/common/River98	on	Unique	Code
		<u> </u>		DOY LUTERS	/common/Lake98	on	Single	
		Polluted Groundwater	notiuted oroundures-	POLLUTED				E -
-	F.1.2	Monitoring Stations Data from NCESD and NIMH	polluted groundwater stations.apr	GROUNDWATER MONITARING STATIONS	/study area/waterquality and pollution source/Gw_NCESD	on	Unique	So4_po
				DATA FROM NCESD AND	/ <u>/0</u>))))			
					/common/Gw_NIMH1	off	Unique	Туре
				/study area/waterquality and	off	Single	· ·	
					pollution source/Gw_NIMH2	·		·
		· ·		/study area/waterouality and	off	Single		
					pollution source/Gw_NCESD		······	
				/common/Town98	on	Unique	Dxf_col	
		· ·		/common/River98	on	Unique	Code	
					/common/Lake98	on	Single	-
			· ·		/common/Sub-Basin98	on	Single	<u> </u>
					/common/Studyarea98	on	Single	·
					/study area/socio-economic	on	Unique	Туре
					/Devastated land			
				POLLUTED	/common/Riv-Basin98	01	Single	
				GROUNDWATER	/study area/waterquality and		11-1-1-1-1	
				MONITARING STATIONS DATA FROM NCESD AND	pollution source/Gw_NCESD	on	Unique	Ca_mo
				DATA PROMINCESD AND	/common/Gw_NIMH1	off	Unique	Туре
					/study area/waterquality and			·
					pollution source/Gw_NIMH2	off	Single	
					/study area/waterquality and	off	Single	
					pollution source/Gw_NCESD	011	Single	-
					/common/Town98	០១	Unique	Dxf_col
		1		1	/common/River98	on	Unique	Code
ľ			1	1	/common/Lake98	ດກ	Single	
		1		1	/common/Sub-Basin98	on	Single	-
ľ				1	/common/Studyarea98	on	Single	-
	ł			1	/common/Riv-Basin98	០ភ	Single	-
ľ				1	/study area/socio-economic	on	Unique	Туре
				DOLLUTED	/Devastated land	ļ.,,		- 170
				POLLUTED GROUNDWATER MONITARING STATIONS	/study area/waterquality and pollution source/Gw_NCESD	ОЛ	Unique	Fe_m
	1			DATA FROM NCESD AND	ľ –			
		1	1	1	/common/Gw_NIMH1	off	Unique	Туре
	1	ł			/study area/waterquality and	off	Single	-
	1	1		1	pollution source/Gw_NIMH2	ļ		
-					/study area/waterquality and pollution source/Gw_NCESD	off	Single	- 1
		1			common/Town98	<u></u>		Def
					/common/River98	00	Unique	Dxf_col
						On	Unique	Code
				· · ·	/common/Lake98	on	Single	
	ł		1		/contmon/Sub-Basin98	on	Single	
			1	1	/common/Riv-Basin98p	on	Single	L
		ł	1		/common/Studyarea98 /study area/socio-economic	on	Single	<u> </u>

Final	Suppor 1	Tittle of Figure	Name of Projet	Name of View	' Shape & Dbf File	On/off	Legend Type	Values Field
2.6.1	G.2.1	Updated Monitoring System of NCESD	updated monitoring system of ncesd.apr	UPDATED MONITORING SYSTEM OF NCESD	/common/Studyarea98	ón	Single	-
				· · · · ·	/common/Town98	on	Unique	Priority
					/common/Railway98	off	Unique	Dxf col
		•			/common/Road98	off	Unique	Dxf col
					/common/River98	on	Unique	Code
				1	/common/Lake98	on	Single	1-00
	, i				/common/Hydro_Station	on	Unique	Update
• .	G.2.2	Monitoring Staion by NIMH	monitoring station by nimh apr	MONITORING STATION BY	/common/Studyarea98	on	Single	-
					/common/Town98	on	Unique	Priority
					/common/Railway98	off	Unique	Dxf co
					/common/Road98	off	Unique	Dxf_co
					/common/River98		Unique	Code
					/common/Lake98	ол		- Coue
						ON .	Single	
		Seasonal Water Quality of		SEASONAL WATER	/common/Hydro_Station	on	Unique	Dxf_co
2.5,6	G.2.3	BOD in 1994 - 1996	seasonal water quaity.apr	QUALITY OF BOD 1-3(75%)	/common/Studyarea98	on	Single	
					/common/Town98	on	Unique	Dxf_co
					/common/Railway98	on	Unique	Dxf_co
					/common/Read98	on	Unique	Dxf_co
					/study area/socio-economic	on	Unique	BOD1-
					/Waterquality	U.	Ottique	1 BODI-
			1	1	/common/River98	0n	Unique	Code
					/common/Lake98	on	Single	· ·
				SEASONAL WATER OUALITY OF BODIO-	/common/Studyarea98	ол	Single	-
			1		/common/Town98	ОЛ	Unique	Dxf_col
					/common/Railway98	on	Unique	Dxf_co
]		/common/Road98	ол	Unique	Dxf_co
			1		/study area/socio-economic		Olique	
		1			/Waterquality	on	Unique	BODIO
	l .			-	/common/River98	ол	Unique	Code
					/common/Lake98	ón	Single	· ·
•				SEASONAL WATER QUALITY OF BOD4-6(75%)	/common/Studyarea98	ÓЛ	Single	
					/common/Town98	00	Unique	Dxf_co
		· · ·			/common/Railway98	on	Unique	Dxf_co
					/common/Road98	on	Unique	Dxf_co.
					/study area/socio-economic	on	Unique	BOD4-
					/Waterquality	011	Oluque	6004-
					/common/River98	on	Unique	Code
	i i				/common/Lake98	on	Single	-
				SEASONAL WATER QUALITY OF BOD7-9(75%)	/common/Studyarea98	on	Single	-
	1		1		/common/Town98	on	Unique	Dxf_co
					/common/Railway98	on	Unique	Dxf_co
					/common/Road98	on	Unique	Dxf_col
					/study area/socio-economic /Waterquality	on	Unique	BOD7-
					/common/River98	on	Unique	Code
	1	1	1	1	/common/Lake98	08	Single	

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Final	Suppor	Tittle of Figure	Name of Projet	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
		Seasonal Water Quality of NH4		SEASONAL WATER		┨╌╍╍╺┟		··· ricia
2.5.7	G.2.4	in 1994 - 1996	seasonal water quaity.apr	QUALITY OF NH41-3(75%)	/common/Studyarea98	6n	Single	
])				/common/Town98	on	Unique	Dxf_colo
			İ		/common/Railway98	on	Unique	Dxf_cold
					/common/Road98	on	Unique	Dxf_cold
					/study area/socio-economic	on	Unique	Nh1_75
					/Waterquality			
					/common/River98 /common/Lake98	on	Unique	Code
				SEASONAL WATER	rcommon/Lakey8	on	Single	-
				QUALITY OF NH4 10-	/common/Studyarea98	on	Single	-
					/common/Town98	on	Unique	Dxf_cold
				ļ	/common/Railway98	<u></u>	Unique	Dxf_cole
					/common/Road98 /study area/socio-economic	on	Unique	Dxf_cok
					/Waterquality	00	Unique	Nh10_7
	1 1			-	/common/River98	01	Unique	Code
					/common/Lake98	on	Single	
				SEASONAL WATER QUALITY OF NH4 4-6(75%)	/common/Studyarea98	on	Single	•
	1			Quality of 1114 +-0(75%)	/common/Town98	on	Unique	Dxf_col
	1			1	/common/Railway98	00	Unique	Dxf_col
				1	/common/Road98	on	Unique	Dxf_col
	1				/study area/socio-economic	1-1-1-1		
	1				Waterquality	on	Unique	Nh4_7:
					/common/River98	00	Unique	Code
	1				/common/Lake98	on	Single	-
	•			SEASONAL WATER QUALITY OF NH4 7-9(75%)	/common/Studyarea98	011	Single	
					/common/Town98	00	Unique	Dxf col
				·	/common/Railway98	on	Unique	Dxf_col
	1				/common/Road98	on	Unique	Dxf_col
		•		/study area/socio-economic		Ilalaura		
					/Waterquality	on	Unique	Nh7_7
				/common/River98	on	Unique	Code	
					/common/Lake98	ол	Single	-
2.5.8	G.2.5	Seasonal Water Quality of NO3 in 1994 - 1996	seasonal water quaity.apr	SEASONAL WATER QUALITY OF NO3 1-3(75%)	/common/Studyarea98	ол	Single	· •
				1 · · · · ·	/common/Town98	on	Unique	Dxf_col
			2.5.3		/common/Railway98	on	Unique	Dxf_col
		· · · · · · · · · · · · · · · · · · ·	1		/common/Road98	on	Unique	Dxf_col
		· · ·		1	/study area/socio-economic	on	Unique	No1_7
					/Waterquality	-ll	-	1
					/common/River98	on	Unique	Code
		1		SEASONAL WATER	/common/Lake98	on	Single	
				QUALITY OF NO3 10-	/common/Studyarea98	оп	Single	-
					/common/Town98	on	Unique	Dxf_col
	1				/common/Railway98	05	Unique	Dxf_col
					/common/Road98	<u>on</u>	Unique	Dxf_col
				· ·	/study area/socio-economic	ол	Unique	No10_7
					/Waterquality /common/River98	1		
					/common/Lake98	on	Unique	Code
				SEASONAL WATER	/common/Studyarea98	on on	Single Single	-
	1			QUALITY OF NO3 4-6(75%)	(common (Forum 98			Def and
	1			1	/common/Town98 /common/Railway98	on	Unique	Dxf_col
					/common/Road98	on on	Unique	Dxf_col
		ľ			/study area/socio-economic		Unique	Dxf_col
				1 .	/Waterquality	on	Unique	No_75
				1	/common/River98	on	Unique	Code
		1	· ·	1	/common/Lake98	on	Single	-
			1	SEASONAL WATER	/common/Studyarea98	on	Single	
				OUALITY OF NO3 7-0/75%				
				QUALITY OF NO3 7-9(75%)			Unique	Drf. col
				QUALITY OF NO3 7-9(75%)	/common/Town98	on On	Unique	
				QUALITY OF NO3 7-9(75%)	/common/Town98 /common/Raitway98	on	Unique	Dxf_col
				QUALITY OF NO3 7-9(75%)	/common/Town98 /common/Raitway98 /common/Road98	ON ON	Unique Unique	Dxf_col Dxf_col
				QUALITY OF NO3 7-9(75%)	/common/Town98 /common/Railway98 /common/Road98 /study area/socio-economic	on	Unique	Dxf_col Dxf_col
				QUALITY OF NO3 7-9(75%)	/common/Town98 /common/Raitway98 /common/Road98	ON ON	Unique Unique	Dxf_col Dxf_col Dxf_col No_75 Code

G.2. 2.5.9 G.2.1 2.5.1 G.3.	Quality Survey by JICA	biolobical assessment apr	BIOLOGICAL ASSESSMENT OF WATERQUALITY BIOLOGICAL ASSESSMENT OF WATERQUALITY IN 1996-1997 BOD (Total)	/common/Studyarca98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Lake98 /common/Rive798 /common/Railwa98 /common/riv-basin98 /water quality management plan/monitoring_st /water quality management plan/servey T /common/Lake98 /common/Lake98 /common/Lown98 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798 /common/Live798	on on	Type Single Unique Single Unique Single Unique Unique Single Unique Single Unique Single Unique Single Unique Single Single	Field Dxf_colc Code Dxf_colc Number1 Dxf_laye Dxf_colc Dxf_colc
	10 Biological Assessment of Water Quality in 1996 - 1997	biolobical assessment.apr	BIOLOGICAL ASSESSMENT OF WATERQUALITY IN 1996-1997	/common/Lake98 /common/River98 /common/River98 /common/riv-basin98p /common/riv-basin98p /water quality management plar/monitoring_st /water quality management plan/servey /common/Town98 /common/Town98 /common/Town98 /common/River98	on on	Single Unique Single Unique Unique Unique Single Unique Single Unique Single Unique Single Unique Single	Code Dxf_cote Nunber1 Dxf_laye Dxf_cole
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	/common/River98 /common/River98 /common/rive-basin98p /common/rive-basin98 /water quality management plan/monitoring_st /water quality management plan/servey /common/Studyarea98 /common/Town98 /common/Town98 /common/rive-basin98p /common/rive-basin98p /common/rive-basin98p /common/rive-basin98p /common/rive-basin98p /common/rive-basin98p /common/rive-basin98p /common/sub-basin98p /common/sub-basin98p /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer	- 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	Unique Single Unique Unique Unique Single Unique Single Unique Single Unique Single Unique Single Unique	Dxf_cold Number Dxf_lays Dxf_cold Code
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	/common/riv-basin98p /common/riv-basin98 /common/riv-basin98 /water quality management plan/monitoring_st /water quality management plan/servey T /common/Studyarea98 /common/Town98 /common/Town98 /common/Take98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/Sub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer	n n on on on on	Single Unique Single Unique Unique Single Unique Single Unique Single Unique Unique	Dxf_col Nunber Dxf_lay Dxf_col Code
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	/common/Railway98 /common/riv-basin98 /water quality management plar/monitoring_st /water quality management plan/servey /common/Studyarea98 /common/Town98 /common/Town98 /common/Town98 /common/Town98 /common/Town98 /common/Tiv-basin98 /common/Railway98 /common/Railway98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Yow98	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0	Unique Single Unique Single Unique Single Unique Single Unique Single Unique Unique	Dxf_col Nunber Dxf_lay Dxf_col Code
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	/common/riv-basin98 /water quality management plan/monitoring_st /water quality management plan/servey T /common/Studyarea98 /common/Town98 /common/riv-basin98 /common/riv-basin98 /common/riv-basin98 /common/riv-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0	Single Unique Single Unique Single Unique Single Unique Single Unique	Nunber Dxf_lay Dxf_col Code
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	/common/riv-basin98 /water quality management plan/monitoring_st /water quality management plan/servey T /common/Studyarea98 /common/Town98 /common/riv-basin98 /common/riv-basin98 /common/riv-basin98 /common/riv-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0	Single Unique Single Unique Single Unique Single Unique Single Unique	Nunber Dxf_lay Dxf_col Code
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	plan/monitoring_st /water quality management plan/servey /common/Studyarea98 /common/Town98 /common/Lake98 /common/Lake98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/Sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer	On On	Unique Unique Single Unique Single Unique Single Unique Single Unique	Dxf_lay Dxf_col
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	plan/monitoring_st /water quality management plan/servey /common/Studyarea98 /common/Town98 /common/Lake98 /common/Lake98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/River98 /common/Sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer	On On	Unique Single Unique Single Unique Single Unique Single Unique	Dxf_lay Dxf_col Code
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	Avater quality management plan/servey 7 /common/Town98 /common/Town98 /common/Take98 /common/River98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Road98 /common/Sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Yown98	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	Single Unique Single Unique Single Unique Single Unique	Dxf_col
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	plan/servey T /common/Studyarea98 /common/Town98 /common/Town98 /common/riv-basin98 /common/riv-basin98 /common/riv-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Sub-basin98	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	Single Unique Single Unique Single Unique Single Unique	Dxf_col
	Water Quality in 1996 - 1997		OF WATERQUALITY IN 1996-1997	T /common/Studyarca98 /common/Town98 /common/Town98 /common/To-basin98 /common/To-basin98 /common/Railway98 /common/Railway98 /common/Railway98 /common/Sub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	Unique Single Unique Single Unique Single Unique	Code
2.5.1 G.3.		bod load by pollution		/common/Lake98 /common/River98 /common/River98 /common/Railway98 /common/Road98 /common/kub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Sub-buffer	00 00 00 00 00 00 00 00	Single Unique Single Unique Single Unique	Code
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/Lake98 /common/River98 /common/River98 /common/Railway98 /common/Road98 /common/kub-basin98 /common/sub-basin98 /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Sub-buffer	00 00 00 00 00 00 00 00	Single Unique Single Unique Single Unique	Code
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	Acommon/River98 Acommon/River98 Acommon/Railway98 Acommon/Road98 Acommon/Road98 Acommon/Sub-basin98 Acommon/Sub-basin98 Anydrodynamic model development/bio-buffer Acommon/Town98	0n 0n 0n 0n 0n 0n 0n 0n	Unique Single Unique Single Unique	•
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/riv-basin98p /common/Railway98 /common/Railway98 /common/Road98 /common/sub-basin98p /common/sub-basin98p /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	0n 0n 0n 0n 0n 0n 0n	Single Unique Single Unique	•
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/Railway98 /common/riv-basin98 /common/koad98 /common/kub-basin98p /common/kub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	On On On On	Unique Single Unique	Dxf_col
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/riv-basin98 /common/Road98 /common/sub-basin98p /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	on On On On	Single Unique	-
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/Road98 /common/sub-basin98p /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	OR OR ON	Unique	
-5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/sub-basin98p /common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	On On		Def a
.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/sub-basin98 /hydrodynamic model development/bio-buffer /common/Town98	on		Dxf_co
.5.1 G.3	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/hydrodynamic model development/bio-buffer /common/Town98			-
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	development/bio-buffer /common/Town98	on	Single	
2.5.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (Total)	/common/Town98		Unique	Colo
25.1 G.3.	3 BOD Load by Pollution Source	bod load by pollution	BOD (10(al)				D.C.C.
					on	Unique	Dxf_co
		1			on	Single	· · · · · · · · · · · · · · · · · · ·
				/common/Riv-Basin98	on	Single	· · · · · ·
				/conunon/Town98	off	Single	Dxf_co
	1			/common/Railway98	on	Unique	
				/common/Road98	On	Unique	Dxf_co
	1			/common/River98	on	Unique	Code
				/common/Lake98	ол	Single	-
	· · ·			/common/Sub-Basin98p	on	Graduated	
			BOD (Domestick)	/common/Town98	on	Unique	Dxf_co
				/common/Studyarea98	ON	Single	
				/common/Riv-Basin98	<u>on</u>	Single	
	·	ŕ		/common/Town98	off	Single	
				/common/Railway98	On	Unique	Dxf_co
				/common/Road98	on	Unique	Dxf_co
		· ·		/common/River98	on	Unique	Code
				/common/Lake98	on	Single	
				/common/Sub-Basin98p	on	Graduated	Domesd
1	1		BOD (Industry)	/common/Town98	on	Unique	Dxf_co
			1	/common/Studyarea98	<u></u>	Single	
	· · · · ·		1	/common/Riv-Basin98	On	Single	
		1.		/common/Town98	off	Single	Def
				/common/Railway98	on	Unique	Dxf_co
		i i i i i i i i i i i i i i i i i i i		/common/Road98	on	Unique	Dxf_cc
	· · · · · · · · · · · · · · · · · · ·			/common/River98	on	Unique	Code
			1	/common/Lake98	0n	Single	
ł			ROD (finate in)	/common/Sub-Basin98p	on	Graduated	
			BOD (Livestock)	/common/Town98	on	Unique	Dxf_co
	. 1	1		/common/Studyarea98	01	Single	·
		1		/common/Riv-Basin98	On	Single	·
		1		/common/Town98	off	Single	
		1		/common/Railway98	on	Unique	Dxf_cc
				/common/Road98	on	Unique	Dxf_cc
				/common/River98 /common/Lake98	on	Unique	Code
					on	Single	-

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inal	Suppor t	Tittle of Figure	Name of Projet	Name of View	Shape & Dof File	On/off	Legend Type	Values Field
	G.3.4	TN Load by Pollution Source	TN load by pollution source.apr	TN (Total)	/common/Town98	on	Unique	Dxí_col
					/common/Studyarca98	on	Single	
					/common/Riv-Basin98	on	Single	
					/common/Town98	off	Single	
					/common/Railway98	on	Unique	Dxf_col
					/common/Road98	on	Unique	Dxf_co
					/common/River98	on	Unique	Code
					/common/Lake98	ao	Single	-
					/common/Sub-Basin98p	on	Graduated	Total_1
				TN (Domestick)	/common/Town98	00	Unique	Dxf_co
				(Domestick)	/common/Studyarea98	Ón	Single	
					/common/Riv-Basin98	on	Single	
					/common/Town98	off	Single	
		ļ		1	/common/Railway98	on	Unique	Dxf_co
			1		/common/Road98	OD	Unique	Dxf_cc
	1				/common/River98	<u></u> 0n	Unique	Code
					/common/Lake98	on	Single	<u> </u>
	l l				/common/Sub-Basin98p	00	Graduated	Domes
				TN (Industry)	/common/Town98	ón	Unique	Dxf_co
					/common/Studyarea98	on	Single	
	1				/common/Riv-Basin98	on	Single	-
					/common/Town98	off	Single	-
	t l				/common/Railway98	ចរា	Unique	Dxf_ca
				1	/common/Road98	ÓЛ	Unique	Dxf_c
		1			/common/River98	ол	Unique	Cod
	1			l l	/common/Lake98	on	Single	-
					/common/Sub-Basin98p	on	Graduated	Ind
				TN (Livestock)	/common/Town98	on	Unique	Dxf_c
		· · ·			/common/Studyarea98	on	Single	
					/common/Riv-Basin98	on	Single	
					/common/Town98	off	Single	<u> </u>
				/common/Railway98		Unique	Dxf_c	
					/common/Road98	<u></u>	Unique	
						on		Dxf_c Cod
	1				/common/River98	on	Unique	
					/common/Lake98	on	Single	
	<u> </u>				/common/Sub-Basin98p	on	Graduated	Live
•	G.3.7	BOD POLLUTION LOAD OF LIVESTOCK	BOD pollution load of Livestock.apr	BOD (Pig)	/common/Town98	0n	Unique	Dxf_c
	1.	-	-		/common/Studyarea98	ол	Single	-
		· · ·			/common/Riv-Basin98	on	Single	- 1
					/common/Town98	off	Single	-
	1				/common/Railway98	on	Unique	Dxf_c
	1		· ·	· ·	/common/Road98	on	Unique	Dxf_c
	1	1	1		/common/River98	on	Unique	Co
	1	1	1	1.	/common/Lake98	on	Single	1
			ł	1	/common/Sub-Basin98p	on	Graduated	Pig E
	1		1.	BOD (Fowi)	/common/Town98	01	Unique	Dxf_c
		1			/common/Studyarea98	on	Single	1-0-1-0
								<u> </u>
					/common/Riv-Basin98	on	Single	
			· · ·		/common/Town98	off	Single	
			•	1	/common/Railway98	on	Unique	Dxf_c
					/common/Road98	<u></u> 0л	Unique	Dxf_c
			1		/common/River98	On	Unique	Co
	1		1		/common/Lake98	05	Single	· ·
	1				/common/Sub-Basin98p	on	Graduated	
				BOD (Cattle)	/common/Town98	on	Unique	Dxf_c
		1	1		/common/Studyarea98	on	Single	-
					/common/Riv-Basin98	on	Single	- 1
				1	/common/Town98	off	Single	- 1
			1		/common/Railway98	on	Unique	Dxf_(
		4			/common/Road98		Unique	Dxt
	ł					00		
				1	/common/River98	on	Unique	Co
	1				/common/Lake98	on	Single	
			l.		/common/Sub-Basin98p	on	Graduated	Cattle

inal	Suppor L	Tittle of Figure	Name of Projet	Name of View	Shape & Dbf File	On/off	Legend Type	Value Field
-	G.3.8	TN POLLUTION LOAD OF LIVESTOCK	TN pollution load of Livestock.apr	TN (Pig)	/common/Town98	on	Unique	Dxf_col
					/common/Studyarea98	On	Single	-
					/common/Riv-Basin98	on	Single	-
				1	/common/Town98	off	Single	-
					/common/Railway98	on	Unique	Dxf_co
					/common/Road98	on	Unique	Dxf_cc
					/common/River98	ОП	Unique	Cod
					/common/Lake98	ОЛ	Single	-
					/common/Sub-Basin98p	on	Graduated	Pig_T
				TN (Fowl)	/common/Town98	on	Unique	Dif
				1	/common/Studyarea98	on	Single	100 M 10
					/common/Riv-Basin98	on	Single	
					/common/Town98	off	Single	
				1	/common/Railway98	on	Unique	Dxf_co
			ļ		/common/Road98	0n	Unique	Dxf_ce
					/common/River98		Unique	Cod
					/common/Lake98	on on		
		·			/common/Sub-Basin98p		Single	Fowl
				TN (Cattle)	/common/Town98	on	Graduated	
				IN (Callie)		on	Unique	Dxf_c
					/common/Studyarea98	on	Single	· · · · · ·
					/common/Riv-Basin98	<u>on</u>	Single	<u>-</u> -
					/common/Town98	off	Single	
			1		/common/Railway98	on	Unique	Dxf_c
			1		/common/Road98	<u>Ó</u> n	Unique	Dxf_c
					/common/River98	on	Unique	Cod
			l		/common/Lake98	on	Single	
					/common/Sub-Basin98p	00	Graduated	Cattle
-	G.3.9	LOCATION OF MINES AND THEIR RELATIONG FACILITIES (1)	miningmap.apr	MINING MAP (WITH LABEL)	/common/Studyarea98	on	Single	~
			1 ·		/common/Town98	on	Unique	Dxf_ce
			1 ·		/common/Lake98	on	Single	
			•		/common/River98	on	Unique	Cod
					/common/riv-basin98p	on	Single	
	[1	· · .	1	/common/riv-basin98	On	Single	·
	1.1	1			/common/Au_lines	on	Single	-
					/common/ninepoint	on	Unique	Mine8 00
	1	1	1 · · ·		/common/minepoint	оп	Unique	Mine_
	1				/mining/minepoly	on	Unique	Dxf_l;
		LOCATION OF MINES AND THEIR RELATIONG FACILITIES (2)	nuningmap apr	MINING MAP (WITH LABEL)	/common/Studyarea98	on	Single	-
	[1	· ·	[/common/Town98	on	Unique	Dxf_c
	l I	and the second second	· ·	-	/common/Lake98	on	Single	
		· ·		ł	/common/River98	on	Unique	Cod
		1			/common/riv-basin98p	0n	Single	
		:	1		/common/riv-basin98	00	Single	-
	1				/common/Au_lines	on	Single	- 1
					/common/minepoint	on	Unique	Mine8 00
	1			ł	/common/minepoint	on	Unique	Mine_
	1	1	1	1	/mining/minepoly		Unique	Dxf la

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Final	Suppor	Tittle of Figure	Name of Projet	Name of View	Shape & Dbf File	Owoff	Legend Type	Values Field
		LOCATION OF MINES AND THEIR RELATIONG	nuningmap.apr	MINING MAP (WITH LABEL)	/common/Studyarca98	ол	Single	-
ļ		FACILITIES (3)		-	/common/Town98	on	Unique	Dxf_colo
- 1					/common/Lake98	on	Single	1771 0010
	1				/common/River98	on -	Unique	Code
1					/common/riv-basin98p	on	Single	-
			} ·		/common/riv-basin98	On	Single	
					/common/Au_lines	·······	Single	
					aconniton/Ad_intes	On	omgic	Mine82
					/common/minepoint	on	Unique	00
					/common/minepoint /mining/minepoly	on on	Unique Unique	Mine_al Dxf_lay
		LOCATION OF MINES AND THEIR RELATIONG FACILITIES (4)	miningmap.apr	MINING MAP (WITH LABEL)	/common/Studyarea98	on	Single	-
			1		/common/Town98	on	Unique	Dxf_cold
					/common/Lake98	on	Single	-
					/common/River98	on	Unique	Code
					/common/riv-basin98p	on	Single	-
				1 · · · ·	/common/riv-basin98	on	Single	-
					/common/Au_lines	on	Single	
					/common/nsinepoint	on	Unique	Mine82_ 00
					/common/minepoint	on	Unique	Mine_al
					/nsining/minepoly	on	Unique	Dxf_lay
3.4.2	G.4.2	Zoning and Priority Town	zoning and priority town.apr	ZONING AND PRIORITY	/common/Studyarea98	on	Single	
					/water quality management plan /Priorityline	off	Single	-
					/common/Town98	on	Unique	Priority
		· ·			/common/Riv-Basin98	on	Single	1
		ł			/common/Sub-Basin98	off	Single	
					/common/River98	on	Unique	Code
		· ·	· ·		/common/Lake98	on	Single	
			1		/mining/Hbound2p98	off		
						1	Single	
					/common/Riv-Basin98p /water quality management plan	on on	Single Single	
				4	/Priority2 /water quality management plac	; i		
····				NEW OR EXTENDED	/Priority	on	Single	
3.4.5	G.4.5	New or Extended Treatment Works of National Plan in 1989	treatment works.apr	TREATMENTWORKS OF NATIONAL PLAN IN 1989	/common/Studyarea98	on	Single	-
					/common/Town98	on	Unique	Priority
		1			/common/Town98	on	Unique	Dxf_col
					/common/Riv-Basin98	on	Single	
					/common/Riv-Basin98	off	Single	-
				·	/common/Sub-Basin98	off	Single	-
]		· · ·	1 .	/common/Railway98	off	Unique	Dxf_col
	1	1		1	/common/Road98	off	Unique	Dxf_col
	1			1	/common/River98	on	Unique	Code
	1		1	1	/common/Lake98	on	Single	-
	1	1	1	I	/common/Riv-Basin98p	on	Single	-
		<u></u>	proposed monitoring	PROPOSED MONITORING	/mining/Hbound2p	off	Single	
-	G.4.6	Proposed Monitoring System	system.apr	SYSTEM	/common/Studyarea98	on	Single	-
	1	1	1	1	/common/Hydro_Station	<u>0</u> л	Unique	STATIC
			1		/common/Town98	<u>on</u>	Unique	Dxf_col
					/common/Road98	Ón	Unique	Dxf_col
					/common/Railway98	on	Unique	Dxf_co
	ł				/common/Lake98	on	Single	-
		LOCATION OF TOP 20			/common/River98	on	Unique	Code
	1		industry.apr	INDUSTRY	/common/Studyarea98	on	Single	-
3.4.7	G.4.7	INDUSTRYIES IN TERMS OF POLLUTION LOAD						
3.4.7	G.4.7				/common/Town98	on	Unique	Dxf_co
3.4.7	G.4.7				/common/Town98 /common/Lake98	On On	Unique Single	Dxf_co
3.4.7	G.4.7						Single	-
3.4.7	G.4.7				/common/Lake98	on on	Single Unique	Dxf_co Code Dxf_co
3.4.7	G.4.7				/common/Lake98 /common/River98	on	Single	-

inal	Suppor L	Tittle of Figure	Name of Projet	Name of View TOWNS WITH SEWERAGE	Shape & Dhf File	On/off	Legend Type	Values Field
.8.1	H.2.2	Towns with Sewerage Systems	Towns with sewcrage system.apr	SYSTEM	/common/studyarea98	on	Single	-
					/common/River98 /common/Lake98	on	Unique	Code
						<u>on</u>	Single	SEWE
1					/common/Town98	on	Unique	GE
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	/common/sewerage	an	Single	FOR
.2.10	H.2.3	Main Collectors of Sewerage and Industries in Pazardjik	sewerage problem map.apr	Pazardjik S,System	/feasibility study/25000map /P_rroads	on	Unique	OVER
		and moustifies in conception			/feasibility study/25000map		·	only f
					/p_road25000	on	Unique	regen
					/feasibility study/25000map			1000
					/p_river25000line	on	Single	
				· ·	/feasibility study/25000map /p_town25000	on	Single	
					/feasibility study/10000map			
					/p_town10000	on	Single	-
					/feasibility study/10000map	Ón	Single	
ĺ					/p_rroads /feasibility study/10000map			
		· .			/p_road10000	on	Single	•
					/feasibility study/10000map	0n	Single	-
			н		/p_river10000line /feasibility study/10000map			
					/p_river10000	on	Single	-
1					/feasibility study/10000map	OR	Single	-
					/s_sewerage overflow.shp /fcasibility study/10000map			
					/s_sewerage overflow line.shp	on	Single	•
					/feasibility study/10000map	on,	Unique	Sewera
					/p_sewerage system /feasibility study/25000map	0.,	Unique	5 FO
4.2.12	H.2.5	Main Collectors of Sewerage and Industries in Stara Zagora	sewerage problem map.apr	Stara Zagora S.System	/sd_rroads	00	Unique	OVER
	1	and industries in orana Zagora			/feasibility study/25000map	on	Single	0.0
					/s_road25000		211810	0.1
					/feasibility study/25000map /s_river25000line	on	Unique	Only_1 O
					/feasibility study/25000map	on	finale	· · · · ·
					/s_town25000		Single	
					/feasibility study/10000map /st_town10000	on	Single	
					/feasibility study/10000map		Finala	
					/st_rroad10000	on	Single	
					/feasibility study/10000map /st_road10000	on	Single	-
					/feasibility study/10000map			Only_
					/st_river10000	on	Unique	0
					/feasibility study/10000map	0n	Unique	Sewera
				1	/st_sewerage system /feasibility study/10000map			\$
					/s_sewerage overflow.shp	ол	Single	
					/feasibility study/10000map	ол	Single	-
	ļ	Main Collectors of Sewerage	<u> </u>		/s_sewerage overflow line.shp /feasibility study/25000map			
4.2.11	H.2.8	and Industries in Dimitrovgrad	sewerage problem map.apr	Dimitrovgrad S.System	/sd_rroads	on	Unique	Гог о ч
					/feasibility study/25000map	on	Unique	Only_f
					/d_road25000 /feasibility study/25000map			Only
					/d_river25000line	0B	Unique	0
	}				/feasibility study/25000map	on	Single	· · · · ·
					/sd_town25000 /feasibility study/10000map			
					/d town10000	ол	Single	-
	1				/feasibility study/10000map	on	Single	
	l				/d_rroad10000			
	1				/feasibility study/10000map /d_road10000	on	Single	-
	1				/feasibility study/10000map		Holena	n.
		1			/d_river10000line	. 011	Unique	Тур
					/feasibility study/10000map /d_river10000poly	on	Single	.
					/d_river10000poly /feasibility study/10000map	1		Sewer
				1	/d_sewerage system	on	Unique	syste
					/feasibility study/10000map	on	Single	-
	1				/s_sewerage overflow.shp /feasibility study/10000map			
		1	i		hered and the state of the second state of the	on	Single	

SUPPORTING REPORT H WASTEWATER TREATMENT FACILITIES

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Final	Suppor t	Tittle of Figure	Name of Projet	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
2.2.1	J.I.I	Administration Boundary in the Study Area	Administration Boundary in the Study Area.apr	ADMINISTRATION BOUNDARY IN THE STUDY	/study area/water resources/reg_98ce	on	Unique	Dxf_layer
					/study area/water resources/mun98	ón	Unique	Region
					/common/river98	on	Unique	Code
					/common/lake98	on	Single	-
					/common/Studyarea98	on	Single	-
					/study area/socio-economy/rei- boundary l	ón	Single	-
					/common/road98	อก	Unique	Dxf_color
					/common/Railway98	on	Unique	Dxf_color
					/common/Reg_boun98	on	Single	· · ·
2.2.2	J.1.2	Five Sub-Regions in the Maritza River Basin	five sub-regions.apr	FIVE SUB-REGIONS IN THE MATIRZA RIVER BASIN	/common/Fown98	ол	Unique	Dxf_color
					/common/Reg_boun98	ол	Single	-
					/common/Reg_boun98	off	Single	•
					/common/Reg_boun98	off	Single	
					/study area/socio-economic /Sub_Region	on	Single	-
					/study area/socio-economic /Sub_Region	on	Single	
					/common/Riv-Basin98	on	Single	-
					/common/Studyarea98	on	Single	-
					/common/Railway98	off	Unique	Dxf_color
	ł				/common/Road98	off	Unique	Dxf_color
			· ·		/common/River98	on	Unique	Code
					/common/Lake98	on	Single	-
	L	L	L <u></u>		/common/Riv-Basin98p	on	Single	

SUPPORTING REPORT J SOCIO-ECONOMY AND FINANCIAL ANALYSIS

SUPPORTING REPORT K ENVIRONMENT

Final	Suppor	Tittle of Figure	Name of Projet	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
2.6.1	1 K I I	Environmental Protection Area to be Considered	Environmental Protection Area.apr		/study area/natural condition/sel_sour	on	Unique	Dxf_layer
					/study area/natural condition/wetlands	ол	Unique	Code
					/common/studyarea98	оп	Single	-
					/common/River98	on	Unique	Code
					/common/Lake98	on	Single	-
					/common/Town98	ОЛ	Unique	Dxf_cole
				1	/common/road98	on	Unique	Dxf_colo
					/common/rroad98	on	Unique	Dxf_cold
			ł.	1	/land use plan/protect	on	Unique	Name

SUPPORTING REPORT L HD MEDEL DEVELOPMENT

Final	Suppor t	Tittle of Figure	Name of Project	Name of View	Shape & Dbf File	On/off	Legend Type	Values Field
3,9,1	L.4.1	River Network for Hydrodynamic Modeling (2/2)	river network.apr	RIVER NETWORK FOR HYDRODYNAMIC	/common/Studyarea98	on	Single	-
					/common/Hydro_Station	on	Unique	Calibration
					/hydrodynamic model development/Mod_node	on	Unique	Ĩd
1					/common/Sub-Basin98	on	Single	
1					/hydrodynamic model			
					development/Mainbranch	on	Single	-
					/common/Town98	05	Unique	Class
					/common/Riv-Basin98	Óñ	Single	•
					/common/Riv-Basin98p	on	Single	•
					/common/Lake98	ол	Single	-
		· · ·	1		/common/River98	on	Unique	Code
					/common/Sub-Basin98p	or	Single	-
-	L.4.2	Chainage Network for the Major Rivers	chanage network.apr	CHANAGE NETWORK FOR MAJOR RIVERS	/common/Studyarea98	on	Single	-
				1	/common/Town98	on	Unique	Dxf_color
					/common/River98	on	Unique	Code
					/common/Lake98	on	Single	-
					/common/Railway98	05	Unique	Dxf_color
					/common/Road98	on	Unique	Dxf_color
					/study area/natural	on	Single	-
					condition/km_0	├──	0	
					/study area/natural	on	Single	
					condition/km_riv /study area/natural			
					condition/km_rivon		Single	-
						on	Single	-
				SUB-BASINS OF THE	condition/riverstemp	I		
3.9.2	L.5.1	Sub-Basins of the Maritza River System (Detailed)	sub-basins.apr	MARITZA RIVER SYSTEM	/common/Studyarea98	on	Single	-
					/common/Town98	on	Unique	Dxf_color
					/common/Riv-Basin98	on	Single	•
					/common/Riv-Basin98	on	Single	
		1			/common/Sub-Basin98	ол	Single	-
	ļ		1		/common/Riv-Basin98	on	Single	-
			1		/common/Sub-Basin98	ол	Single	<u> </u>
				1	/common/Riv-Basin98p	on	Single	-
	1				/common/River98	on	Unique	Code
					/common/Lake98	on	Single	-
					/common/Railway98	off	Unique	Dxf_color
		1			/common/Road98	off	Unique	Dxf_color

SUPPORTING REPORT M WQ MEDEL DEVELOPMENT

Final	Suppor t	Finise of Figure	Name of Project	Name of View	Shape & Dhf File	On/off	Legend Type	Values Field
	M.L.I	Monitoring Stations in the	Location of Surface Water Monitoring Stations and	LOCATION OF SURFACE WATER MONITORING STATIONS	/common/Studyarea98	on	Single	-
1					/common/Hydro_Station	on	Unique	Calibration
1					/common/Town98	0D	Unique	Class
1					/common/Lake98	On	Single	-
					/common/River98	on	Unique	Code
					/common/Railway98	on	Unique	Dxf_color
					/common/Road98	on	Unique	Dxf_color

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TABLE A.8.1 DIFINITION OF ATTRIBUTE

o.	ition of Attribute Attribute Table	Attribute	Definition	Fig.	Project File
		Attribute . Dxf_color	Classification of Irrigation Canat	Fig. 2.5.1	resercoirs-irrigation-hydropower.apr
	/common/Canals98	DAL_COTOR	Construction of Million Callet	E.I.1	convous-augarou-in) (nobow crab)
	/common/Elev250m	Contour	Elevation		environment sensitive area.spr
	/common/Gw_NIMHI	NewField	Groundwater of NIMH		transmissivity distribution apr
	common/Gw_PGSH1		High NH4,NO2,NO3		polluted groundwater stations apr
		Type	High Kh4052,005		river network apr
	/common/Hydro_Station	Calibration			
		Code	Type of HMS	6.5	strengthening for hydrology apr
		CODE2	Hydrometric Station		hms for morphological study.apr
		Dat_color	NCESD Station		monitoring station of neesd.apr
		Dxf_layer2	NCESD,UNDP	2,6.5	monitoring station of neesd.apr
		STATION	Principal Station Auxiliary Station	5.7	proposed monitoring system apr
	/common/Intak_a98	Dxf_type	-	2.5.1	resercoirs-irrigation-hydropower.apr
, _	/common/Intak2_a98	Dxf_color	-	6.6	resercoirs-irrigation-hydropower.apr
	/common/Irrig98	Water_dema	Rehabilitation and improvement of irrigation systems		necessary study apr
-	/common/Junction	Code			surface water balance.apr
-		C de2	Upgrading Existing Station from Manual to Automatic	6.1	strengthening for meteorology.apr
	/common/Meteo_Station	Code3	Rank of Strengthening of Climatic Station	6.4	strengthening for meteorology.apr
			Classification of Stations (Climatic or Precipitation)		
		Dxf_layer			thiessen polygons.apr
)	/common/Minepoint	Mine_all_p	Coal mines, Quarries	4.2	environment sensitive area.apr
ł	/common/Railway98	Dxf_color	Railway	8.2	sub-basins.apr
2	/common/Reg_boun98	Code	-	2.2.4	class of municip by social indices.apr
		Reg_id		2.5.2	irrigation branch.apr
3	/common/River98	Code		8.2	sub-basins.apr
4	/common/Road98	Dxf_color		8.2	sub-basins apr
5	/common/Sel_stat	Dxf_layer	-	2.4.3	meteorological conditon apr
6	/common/Sub-Basin98p	Dom_BOD	Domestic BOD load		bod toad by pollution source.apr
1	[Ind_bod	Industry BOD load	2.6.1	bod load by pollution source.apr
ļ	1	Liv_BOD	Livestock BOD load	2.6.1	bod load by pollution source.apr
3	1	Total_bod	Total BOD load		bod load by pollution source apr
				2.6.1	
7	/common/Town98	Class			river network.apr
		Dxf_color	·	8.2	sub-basins.apr
		Dxf_layer		2.1.7	monitoring system by moew.apr
		MAIN CITY	Main City (Population>70,000)	6.6	proposed monitoring stations.apr
	1	Priority 2	Priority Town (Completion of Project by 2005,2010,2015)	5.3	zoning and priority town apr
		Priority_a	Priority Town (Completion of Project by 1995,2000,2010)	5.6	treatment works.apr
8	/hydrodynamic model development/Mod_node	Id	Node	8.1	river network.apr
9	Aand use plan/Erosion	Color	High Potential	4.1	landuse zoning map.cor
	/land use plan/Landuse	Lenmen	Landuse	4.2	environment sensitive area.apr
~	····· , ···· ,	Major_grou	Landuse (by Major Group)	2.2.2	present land cover map.apr
1	/land use plan/Ore-mine	Dxf_color	Ore-mine, underground, activ, open pit, closed (or mined out)	4.2	environment sensitive area.apr
		Name		4.1	
2	Aand use plan/Protect	h	Protection Zoning Type		landuse zoning map.apr
3	Aand use planProtect2	Protected_		4.L	landuse zoning map.apr
4	/river basin management plan /Class1	Gridcode	High Priority of forest conservation/Supplemental reforestation for water resoource	6.7	areas for forest & reforestation apr
25	/river basin management plan /Class2	Gridcode	Medium priority of forest conservation and reforestation for water resources	6.7	areas for forest & reforestation.apr
26	/river basin management plan /Class3	Gridcode	High priority of forest conservation and reforestation (including agro-forestry and fruit trees) for water resources	6.7	areas for forest & reforestation.apr
27	/river basin management plan /Systemlabel	NUMBER	Rehabilitation of water supply systems	6.8	necessary study.apr
28	/river basin management plan /Watecresource	Category	Category for water resources Management	6.2	water resource management.apr
29	/socio-economic framework /Devastated Land	Туре	Devastated land (by Landsat Image)	2.1.6	groundwater monitoring stations.apr
0	/study area/land use/Vegetation	Value	Landuse	2.3.1	vegetation map.apr
31	/study area/natural condition /Coal_mines	Dxf_color	Coal mines, Quarries	2.1.5	geological map.apr
12	tout water and a solition (Fruit	T	Certain normal fault, strike-slip fault, Faultzone, Supposed normal	2.1.5	geological map.apr
32	/study area/natural condition /Fault	Typeen	fault, Thrust and nappe	2.1.5	geological map ap
3	/study area/natural condition /Geology	Number	Lithology	2.1.5	geological map.apr
34	/study area/natural condition /Transmissivity	Color	Transmissivity	2.1.8	transmissivity distribution apr
	/study area/natural condition / Well	Dxf_layer	Monitoring Well (Quaternary, Neogene Deposit, Bedlocks)	2.1.7	monitoring system by moew.apr
15			Devastated land (by Landsat Image)	2.6.8	polluted groundwater stations.apr
	/study area/socio-economic /Devastated land /study area/socio-economic /Munp2	Type		2.0.6	
6		Ec lank	Social tanking		class of municip by economic indices.apr
6	1 stray area socio-economic ratumpz	Ea 11-2			class of municip by social indices.apr seasonal water quaity.apr
16	<u>]</u>	Ec lank2		2.2.4	
16	/study area/socio-economic /Waterquality	8001-75	BOD Load from Jan. to March	2.6.6	
16	<u>]</u>	BOD1-75 BOD4-75	BOD Load from Jan. to March BOD Load from April to June	2.6.6 2.6.6	seasonal water quaity.apr
16	<u>]</u>	BOD1-75 BOD4-75 BOD7-75	BOD Load from Jan. to March BOD Load from April to June BOD Load from July to August	2.6.6 2.6.6 2.6.6	seasonal water quaity apr seasonal water quaity apr
16	<u>]</u>	BOD1-75 BOD4-75 BOD7-75 BOD10-75	BOD Load from Jan. to March BOD Load from April to June BOD Load from July to August BOD Load from Oct. to Dec.	2.6.6 2.6.6 2.6.6 2.6.6	seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr
96	<u>]</u>	BOD1-75 BOD4-75 BOD7-75 BOD10-75 Nh1_75	BOD Load from Jan. to March BOD Load from April to June BOD Load from July to August BOD Load from Oct. to Dec. NH4 Load from Jan. to March	2.6.6 2.6.6 2.6.6 2.6.7	seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr
96	<u>]</u>	BOD1-75 BOD4-75 BOD7-75 BOD10-75 Nh1_75 Nh4_75	BOD Load from Jan. to March BOD Load from April to June BOD Load from July to August BOD Load from Jot to August BOD Load from Jan. to March NH4 Load from Jan. to March NH4 Load from April to June	2.6.6 2.6.6 2.6.6 2.6.6	seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr
96	<u>]</u>	BOD1-75 BOD4-75 BOD7-75 BOD10-75 Nh1_75	BOD Load from Jan. to March BOD Load from April to June BOD Load from July to August BOD Load from Oct. to Dec. NH4 Load from Jan. to March	2.6.6 2.6.6 2.6.6 2.6.7	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr
96	<u>]</u>	BOD1-75 BOD4-75 BOD7-75 BOD10-75 Nh1_75 Nh4_75 Nh4_75	BOD Load from Jan. to March BOD Load from April to June BOD Load from July to August BOD Load from Jot to August BOD Load from Jan. to March NH4 Load from Jan. to March NH4 Load from April to June	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7	seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr
38	/study area/socio-economic /Waterquality	BOD1-75 BOD4-75 BOD7-75 BOD10-75 Nh1_75 Nh4_75 Nh1_75 Nh1_75 Nh1_75	BOD Load from Jan. to March BOD Load from Joyi to June BOD Load from July to August BOD Load from Oct. to Dec. NH4 Load from Jan. to March NH4 Load from Jan. to March NH4 Load from July to August NH4 Load from July to August NH4 Load from Oct. to Dec.	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr
16 17 18	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98	BOD1-75 BOD4-75 BOD7-75 BOD10-75 Nh1_75 Nh4_75 Nh1_75 Nh1_75 Nh10_75 Major grou	BOD Load from Jon, to March BOD Load from April to June BOD Load from July to August BOD Load from Jon to March NH4 Load from Jan, to March NH4 Load from July to August NH4 Load from July to August NH4 Load from July to August NH4 Load from Ct, to Dec. Landure	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 6.2	seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr seasonal water quaity:apr water resource management.apr
16 17 18	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98	BOD1-75 BOD4-75 BOD7-75 BOD10-75 Nh1_75 Nh4_75 Nh1_75 Nh1_75 Nh1_75	BOD Load from Jan. to March BOD Load from Joyi to June BOD Load from July to August BOD Load from Oct. to Dec. NH4 Load from Jan. to March NH4 Load from Jan. to March NH4 Load from July to August NH4 Load from July to August NH4 Load from Oct. to Dec.	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 6.2 2.5.1	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr water resource management.apr water resource management.apr
39 39	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam	BOD1-75 BOD2-75 BOD7-75 BOD10-75 Nh1_75 Nh2_75 Nh2_75 Nh10_75 Major grou Dxf_color	BOD Load from Jan. to March. BOD Load from Jay to June BOD Load from Jay to August BOD Load from Jay to August BOD Load from Jay to August NH4 Load from Jay to June NH4 Load from July to August NH4 Load from Oct. to Dec. Landure Dams Pr : (Natural surface water potential of each basin)/(Natural surface	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 6.2 2.5.1 D.5.10	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr water resource management.apr reservoirs-irrigation -fuytopower.apr hms for morphologikal study.apr
36 37 38 39 40 41	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources/Ahound1p99	BOD1-75 BOD4-75 BOD7-75 BOD1-75 BOD1-75 Nh1_75 Nh4_75 Nh4_75 Nh1_75 Nh1_75 Nh4_75 Nh1_75 <	BOD Load from Jan. to March BOD Load from Jay to June BOD Load from July to August BOD Load from July to August NH4 Load from July to August NH4 Load from July to August NH4 Load from Oct. to Dec. NH4 Load from July to August NH4 Load from Oct. to Dec. Landuxe Dans Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1)	26.6 26.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.1 D.5.10 2.5.3	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr water resource management.apr tesercoris-irrigation f.4ydropower.apr hms for morphological study.apr surface water potential.apr
39 39 40 41	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hpp_pn	BOD1-75 BOD4-75 BOD1-75 BOD10-75 Nh1_75 Nh4_75 Nh4_75 Nh10_75 Major grou Dxf_color Pr95 Dxf_color	BOD Load from Jan. to March BOD Load from Jay to June BOD Load from Joy to August BOD Load from Joy to Dec. NH4 Load from April to June NH4 Load from April to June NH4 Load from July to August NH4 Load from Oct. to Dec. Landuse Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP)	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.1 D.5.10 2.5.3 2.5.1	seasonal water quaity.apr seasonal water quaity.apr water resource management.apr reservoirs-irrigation-flydiopower.apr surface water potential.apr reservoirs-irrigation-hydropower.apr
39 39 40 41 43	/study area/socio-economic /Waterquality /study area/socio-economy /Neorineshp98 /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hpp_pn /study area/water resources /Hpp_pn	BOD1-75 BOD4-75 BOD7-73 BOD1-75 Nh1_75 Nh1_75 Nh1_75 Nh1_75 Nh1_75 Daf_color Dxf_color Pr95 Dxf_color Code	BOD Load from Jan. to March. BOD Load from Jay to June BOD Load from Jay to June BOD Load from Jay to June BOD Load from Jay to August BOD Load from Jay to August NH4 Load from April to June NH4 Load from April to June NH4 Load from Oct. to Dec. Landure Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Ict.1) Hydropower plant (HPP) Irrigation area under Operation or not under Operation	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.1 2.5.1 2.5.1	seasonal water quality.apr seasonal water quality.apr seasonal water quality.apr seasonal water quality.apr seasonal water quality.apr seasonal water quality.apr seasonal water quality.apr eseasonal water quality.apr mater resource management.apr reservoirs-irrigation-lydropower.apr surface water potential.apr reservoirs-irrigation-lydropower.apr
39 39 40 41 43 44 45	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hpp_pn /study area/water resources /Hpp_p1 /study area/water resources /Hpp_8	BODI-75 BOD2-75 BOD7-75 BOD10-75 BOD10-75 BOD10-75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Dxf_color Dxf_color Code Region	BOD Load from Jan. to March. BOD Load from Jan. to March. BOD Load from Joy to August. BOD Load from Oct. to Dec. NH4 Load from Jan. to March. NH4 Load from Jan. to March. NH4 Load from July to June. NH4 Load from Oct. to Dec. Landure. Dans. Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area under Operation or not under Operation Regional boundary	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.1 D.5.10 2.5.3 2.5.1 2.5.1 2.5.1 2.5.1	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr water resource management.apr resercoris-irrigation-flydropower.apr hms for morphological stady.apr surface water potential.apr resercoris-irrigation-flydropower.apr resercoris-irrigation-flydropower.apr irrigation branch.apr
39 39 40 41 43 44 45	/study area/socio-economic /Waterquality /study area/socio-economy /Neorineshp98 /study area/water resources/Dan /study area/water resources /Hop_pn /study area/water resources /Hop_pn /study area/water resources /Hipp_pn /study area/water resources /Hipp_Socialion /study area/water resources /Hup98 /study area/water resources /Reg_98cc	BOD1-75 BOD4-75 BOD7-73 BOD1-75 Nh1_75 Nh1_75 Nh1_75 Nh1_75 Nh1_75 Daf_color Dxf_color Pr95 Dxf_color Code	BOD Load from Jan. to March. BOD Load from Jay to June BOD Load from Jay to June BOD Load from Jay to June BOD Load from Jay to August BOD Load from Jay to August NH4 Load from April to June NH4 Load from April to June NH4 Load from Oct. to Dec. Landure Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Ict.1) Hydropower plant (HPP) Irrigation area under Operation or not under Operation	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.1 2.5.1 2.5.1	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr eseasonal water quaity.apr water resource management.apr reservoirs-irrigation-lydropower.apr surface water potential.apr reservoirs-irrigation-lydropower.apr
39 39 40 41 43 44 45 46	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hbp_pn /study area/water resources /Hpp_pn /study area/water resources /Hpp_pn /study area/water resources /Hpg_ /study area/water resources /Hpg_98cc /study area/water resources /Hun98 /study area/water resources /Hun98	BODI-75 BOD2-75 BOD7-75 BOD10-75 BOD10-75 BOD10-75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh7_75 Dxf_color Dxf_color Code Region Dxf_layer	BOD Load from Jan. to March BOD Load from Jay to June BOD Load from Jay to August BOD Load from Jot to Dec. NH4 Load from Jan. to March NH4 Load from July to August NH4 Load from July to June NH4 Load from Oct. to Dec. Landure Dans Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area under Operation or not under Operation Regional boundary Irrigation area	26.6 26.6 26.6 26.7 26.7 26.7 26.7 26.7	seasonal water quaity.apr seasonal water quaity.apr water resource management.apr resercois-irrigation-hydropower.apr hms for morphological study.apr surface water potential.apr resercoirs-irrigation-hydropower.apr resercoirs-irrigation-hydropower.apr irrigation branch.apr
39 39 40 41 43 44 45 46	/study area/socio-economic /Waterquality /study area/socio-economy /Neorineshp98 /study area/water resources/Dam /study area/water resources/Albound1p99 /study area/water resources /Alpp_pn /study area/water resources /Alpp_pn /study area/water resources /Alpg_pn /study area/water resources /Alpg_pn /study area/water resources /Alpg_pn /study area/water resources /Alpg_98ce /study area/water resources /Aleg_98ce	BODI-75 BODI-75 BOD7-75 BODI0-75 BODI0-75 BODI0-75 Nh1_75 Nh2_75 Nh1_75 Nh2_75 Nh1_75 Nh2_75 Dxf_color Dxf_color Dxf_color Code Region Region	BOD Load from Jan. to March. BOD Load from Jan. to March. BOD Load from Joy to August. BOD Load from Oct. to Dec. NH4 Load from Jan. to March. NH4 Load from Jan. to March. NH4 Load from July to June. NH4 Load from Oct. to Dec. Landure. Dans. Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area under Operation or not under Operation Regional boundary	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.1 D.5.10 2.5.3 2.5.1 2.5.1 2.5.1 2.5.1	seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr seasonal water quaity.apr water resource management.apr resercoris-irrigation-flydropower.apr hms for morphological stady.apr surface water potential.apr resercoris-irrigation-flydropower.apr resercoris-irrigation-flydropower.apr irrigation branch.apr
39 39 40 41 43 44 45 46	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hbp_pn /study area/water resources /Hpp_pn /study area/water resources /Hpp_pn /study area/water resources /Hpg_ /study area/water resources /Hpg_98cc /study area/water resources /Hun98 /study area/water resources /Hun98	BODI-75 BODI-75 BOD7-75 BODI-75 BODI-75 BODI0-75 BODI0-75 BODI0-75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Dxf_color Dxf_color Dxf_color Code Region Dxf_layer Ca_mq	BOD Load from Jan. to March BOD Load from Jan. to March BOD Load from Joy to August BOD Load from Joy to August BOD Load from Oct. to Dec. NH4 Load from April to June NH4 Load from April to June NH4 Load from Oct. to Dec. Landuxe Dans Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area under Operation or not under Operation Regional boundary Irrigation area High Ca,Mg,	26.6 26.6 26.6 26.7 26.7 26.7 26.7 26.7	seasonal water quaity.apr seasonal water quaity.apr water resource management.apr resercois-irrigation-hydropower.apr hms for morphological study.apr surface water potential.apr resercoirs-irrigation-hydropower.apr resercoirs-irrigation-hydropower.apr irrigation branch.apr
39 39 40 41 43 44 45 46	/study area/socio-economic /Waterquality /study area/socio-economy /Neorineshp98 /study area/water resources/Dam /study area/water resources/Albound1p99 /study area/water resources /Alpp_pn /study area/water resources /Alpp_pn /study area/water resources /Alpg_pn /study area/water resources /Alpg_pn /study area/water resources /Alpg_pn /study area/water resources /Alpg_98ce /study area/water resources /Aleg_98ce	BODI-75 BOD4-75 BOD7-75 BOD10-75 BOD10-75 Nh1_75 Nh1_75 Nh10_75 Nh10_75 Nh10_75 Dxf_color Dxf_color Code Region Dxf_loyer Ca_mq Fe_nn	BOD Load from Jan. to March BOD Load from Joy to June BOD Load from Joy to August BOD Load from Joy to Dec. NH4 Load from Joy to August NH4 Load from July to August NH4 Load from July to August NH4 Load from Oct. to Dec. Landuse Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area High Ca,Mg, High Fe,Mn	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.10 2.5.10 2.5.3 2.5.11 2.5.1 2.5.2 2.5.2 2.5.2 2.6.8 2.6.8	seasonal water quaity.apr seasonal water quaity.apr water resource management.apr resercoirs-irrigation-fydropower.apr hms for morphological study.apr surface water potential.apr resercoirs-irrigation-hydropower.apr irrigation branch.apr irrigation branch.apr polluted groundwater stations.apr
39 39 40 41 43 44 45 46 47	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hpp_pn /study area/water resources /Hpg_soc /study area/water resources /Hpg_soc /study area/water resources /Hpg8 /study area/waterquality and pollution /study area/waterquality and pollution	BODI-75 BODI-75 BOD7-75 BODI-75 BODI-75 BODI0-75 BODI0-75 BODI0-75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Dxf_color Dxf_color Dxf_color Code Region Dxf_layer Ca_mq	BOD Load from Jan. to March BOD Load from Jan. to March BOD Load from Joy to August BOD Load from Joy to August BOD Load from Oct. to Dec. NH4 Load from April to June NH4 Load from April to June NH4 Load from Oct. to Dec. Landuxe Dans Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area under Operation or not under Operation Regional boundary Irrigation area High Ca,Mg,	26.6 26.6 26.6 26.7 26.7 26.7 26.7 26.7	seasonal water quaity.apr seasonal water quaity.apr water resource management.apr resercois.irrigation-hydropower.apr hms for morphological study.apr surface water potential.apr resercoirs.irrigation-hydropower.apr resercoirs.irrigation-hydropower.apr irrigation branch.apr irrigation branch.apr
40 41 43 44 45 46 47 48	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hpp_pn /study area/water resources /Hpp_gn /study area/water resources /Hpg_soc /study area/water resources /Hpg8 /study area/water resources /Reg_98ce /study area/water resources /Reg_98ce /study area/waterquality and pollution source/Gw_NCESD	BODI-75 BOD7-75 BOD7-75 BOD10-75 BOD10-75 Nh1_75 Nh1_75 Nh1_75 Nh1_75 Nh1_75 Dyradian Bordian Bordian <tr< td=""><td>BOD Load from Jan. to March BOD Load from Jan. to March BOD Load from Joy to August BOD Load from Joy to August BOD Load from Oct. to Dec. NH4 Load from Jan. to March NH4 Load from April to June NH4 Load from April to June NH4 Load from Oct. to Dec. Landuse Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area High Ca,Mg, High Fe,Mn High SO4,PO4</td><td>2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.1 2.5.10 2.5.3 2.5.1 2.5.1 2.5.2 2.5.2 2.5.2 2.6.8 2.6.8 2.6.8 2.6.8 2.1.6</td><td>seasonal water quaity.apr seasonal water quaity.apr maser resource management.apr resercois.argiation.hytopower.apr hms for morphological study.apr surface water potential.apr resercoirs.irrigation.hytopower.apr resercoirs.irrigation.hytopower.apr irrigation branch.apr polluted groundwater stations.apr polluted groundwater stations.apr groundwater monitoring stations.apr</td></tr<>	BOD Load from Jan. to March BOD Load from Jan. to March BOD Load from Joy to August BOD Load from Joy to August BOD Load from Oct. to Dec. NH4 Load from Jan. to March NH4 Load from April to June NH4 Load from April to June NH4 Load from Oct. to Dec. Landuse Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area High Ca,Mg, High Fe,Mn High SO4,PO4	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.1 2.5.10 2.5.3 2.5.1 2.5.1 2.5.2 2.5.2 2.5.2 2.6.8 2.6.8 2.6.8 2.6.8 2.1.6	seasonal water quaity.apr seasonal water quaity.apr maser resource management.apr resercois.argiation.hytopower.apr hms for morphological study.apr surface water potential.apr resercoirs.irrigation.hytopower.apr resercoirs.irrigation.hytopower.apr irrigation branch.apr polluted groundwater stations.apr polluted groundwater stations.apr groundwater monitoring stations.apr
39 37 38 39 40 41 43 44 45 46 47	/study area/socio-economic /Waterquality /study area/socio-economy /Ncorineshp98 /study area/water resources/Dam /study area/water resources/Dam /study area/water resources /Hbound1p99 /study area/water resources /Hpp_pn /study area/water resources /Hpp_pn /study area/water resources /Hpp_8 /study area/water resources /Hpg_98 /study area/water resources /Reg_98ce /study area/water resources /Reg_98ce /study area/waterquality and pollution source/Gw_NCESD	BODI-75 BOD2-75 BOD7-75 BOD10-75 BOD10-75 BOD10-75 Nh1_75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh4_75 Nh10_75 Nh10_75 Nh2 Dxf_color Code Region Dxf_layer Ca_mq Re_nn So4_po4 Cede1 REGION LAYER	BOD Load from Jan. to March BOD Load from Joy to June BOD Load from Joy to August BOD Load from Joy to Dec. NH4 Load from Joy to August NH4 Load from July to August NH4 Load from July to August NH4 Load from Oct. to Dec. Landuse Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area High Ca,Mg, High Fe,Mn	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.5.3 2.5.1 2.5.3 2.5.1 2.5.2 2.5.2 2.5.2 2.6.8 2.6.8 2.6.8	seasonal water quaity.apr seasonal water quaity.apr surface water potential.apr resercoirs-irrigation-hydropower.apr resercoirs-irrigation-hydropower.apr irrigation branch.apr irrigation branch.apr polluted groundwater stations.apr polluted groundwater stations.apr
39 39 40 41 43 44 44 45 46 47 48	/study area/socio-economic /Waterquality /study area/socio-economy /Neorineshp98 /study area/water resources/Dam /study area/water resources/Dam /study area/water resources/Alpp_pn /study area/water resources /Alpp_pn /study area/waterquality and pollution source/Gw_NEBD /study area/waterquality and pollution source/Gw_NIMH2 /water quality management/Reserv	BODI-75 BOD1-75 BOD7-75 BOD10-75 BOD10-75 Nh1_75 Nh1_75 Nh1_75 Nh1_75 Dxf_color Dxf_color Dxf_color Code Region Dxf_layer Ca_mq Fe_nnn So4_po4 Code1 REGION	BOD Load from Jan. to March BOD Load from Jan. to March BOD Load from Joy to August BOD Load from Joy to August BOD Load from Oct. to Dec. NH4 Load from Jan. to March NH4 Load from April to June NH4 Load from April to June NH4 Load from Oct. to Dec. Landuse Dams Pr : (Natural surface water potential of each basin)/(Natural surface water potential at Jct.1) Hydropower plant (HPP) Irrigation area High Ca,Mg, High Fe,Mn High SO4,PO4	2.6.6 2.6.6 2.6.6 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.7 2.6.1 2.5.10 2.5.3 2.5.1 2.5.1 2.5.2 2.5.2 2.5.2 2.6.8 2.6.8 2.6.8 2.6.8 2.1.6	seasonal water quaity apr seasonal water quaity apr water resource management apr resercois rigiation - hydropower, apr hms for morphological study apr surface water potential apr resercoirs - irrigation - hydropower, apr resercoirs - irrigation - hydropower, apr irrigation branch apr irrigation branch apr polluted groundwater stations, apr polluted groundwater stations, apr groundwater monitoring stations, apr