APPENDIX 15-I

On-Screen Images from Interfaces of Decision Support System

APPENDIX 15-I: ON-SCREEN IMAGES FROM INTERFACES OF DECISION SUPPORT SYSTEM

(1) Press Button

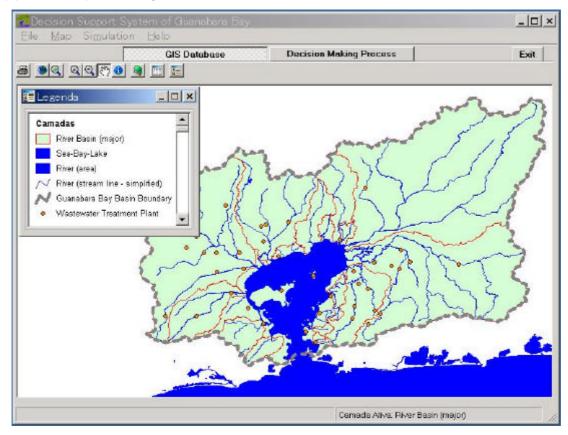
Decision Support System			_ [] ×
Elle Map Simulation H	elp		
	GIS Dotabase	Decision Making Process	Exit
Decision Support System			_ [0] ×
Ele Men Simulation H	elp		
	GIS Database	Decision Making Process	Exit
Input Pollution Load Data	View Pollution Load Calculation Result	Simulation by MIKE21 View and Evaluate Si	mulation Results
	asic Data	Detailed Data	

(2) Select Menu

	sion Support System of Guenab App Simulation Belp				
	∑lew D	All Layers	ce	ss	Exit
9 9	Show Layer Structure	Active Layer			
	Show Table of Active Layer Show Legend Print Map	Zoom In Zoom Qut <u>P</u> an			
_		View Object Infor	mation		
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ollution	Input Pollution Load Dat View Pollution Load Cal MIKE21 View and Evoluate Simu	culation Result 🔸 🔡	Basic Data Datailed Data	a 🕨 Basic	Basin Data MWTP Data Load Parameters
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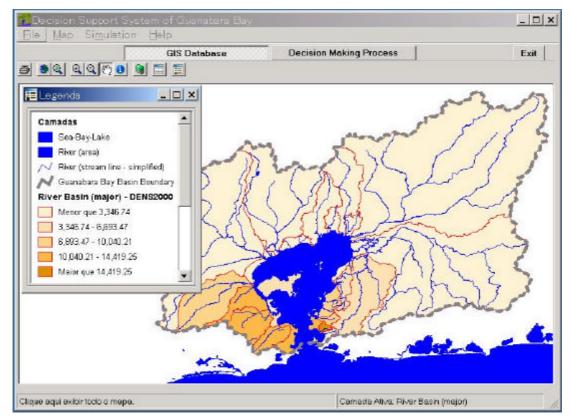
onsultor	Visivel	Camada	Estilo	Cor	Tamenho
		Administrative Area (municipality - Rio state)			1 2
CI	CI	Landuse 1998 (Guanabara Bay basin - reclassified)	1000000		1
		Landuse 1998 by Stream Gauge] 1
		Landuse 1998 by River Bosin (sub)] 1
		Landuse 1996 by River Besin (mejor)	6 33		1 1
		Landuse 1998 (Rio state)	C (2)] 1
		Landuse 1998 by Municipality (Guanabara Bay basin)] 1
		Population by Sector (river basin - sub)			1 2
		Population by Sector (river bosin - mejor)			1 3
		Population by Sector (Guanabara Bay basin)	V////		1 1 2
		Population by Sector (16 municipalities)	02222		1 8
		Administrative Level 2 (District/Sub-District - Guarabara Bay basin)		1.1	1
M	M	River Basin (major)] 1 🔒
		Stream Gauge Basin			1 1
		Thiessen Polygons (selected rainfall stations)			1 1
		Thiessen Polygons (doly rainfall stations)		1000	1
		Thiessen Polygons (evaporation stations)			1 1
		Administrative Area (municipality - Guanabara Bay basin)			1 1
	1	Sea-Bev-Leke			1 1
ū		Sea			1 1
П	Ē	Boy			
		Bey Water Classification by BR			1
П	П	Sever System (oreo)			l i B
		River Besin (sub)			1 3
Ē		Guanabara Bay Basin			1 1 2
EI .	С	Island			1
ū		Lakes			1 3
	12	River (area)			
ū		Contour Line			•
E E	Ē	River (stream line - total)	12		1
		Rainfal Isofiyets (line)	<u> </u>		1
n i	R	River (stream line - simplified)			1
E C		Principal Road	3		2
D D		Reilway			2
H	R	Guanabara Bay Basin Boundary			5
		Coastal Line	_		5
H		Meteorological Observation			3
		전 사업 승규는 지 수 밖에서 이 가지 않는 것이다.		-	3
H	H	Stream Gauge Station Tidal Station	A		3
		Wind Station	+		4
		Point Elevation			Е
		River Name (point)		-	3
		Stream Water Quality Monitoring		-	3
		Bay Water Quality Monitoring	•		3
	2	Westeweter Treatment Plant	•		3
Nuder)		Montar Ternático			1

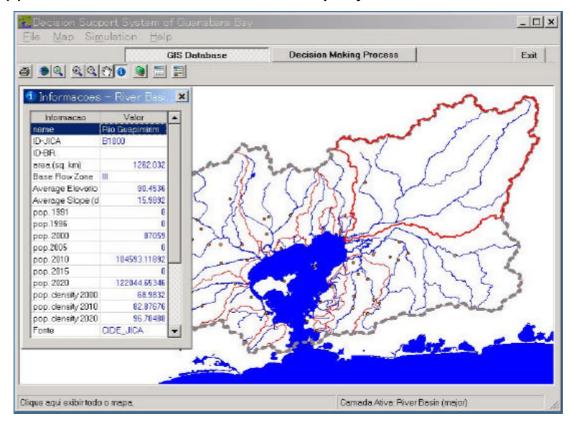
(3) View GIS Layers and Select Layer for Edit and Layer(s) for Overlay



(4) View Map with Legend

(5) View Population Density Map

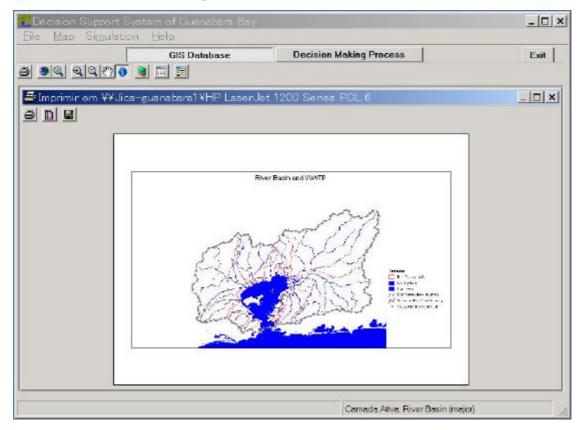




(6) View and Edit Information of Selected Map Object

(7) View and Edit Attribute Table of a Selected Map Layer

		and the second second	GIS Database	Decis	ion Making Process	Exil
		1.6				
Tabela -	River B		ior)			
nome	ID-JICA	ID-BR	areo (sq. km)	Base Flaw Zone	Average Elevation (m)	Average Slope (degree) 🔺
	82000		50.9547		40.2689	
	at B0600		29.4335		47.5455	
	er 80900		811.34		100.9913	
and the second se	ts B2400		21.6772	Contraction of the second s	79.0386	
and the second second	o 82200		6.4123		14.8695	
	J B1900		154.2586		50.4758	
	ç 81700		716.7247		148.2908	9.2783
Rio Iriti	B1300		19.6341	and the second se	34.2655	5.6053
and the second se	p B1000		1 262.03		90.4536	15.9892
	e B1100		17.0795		18.6578	
the second se	a: 80700		8.5449	271.0	24.6999	5.41.45
	de 80300		7.5746		24,7041	7.1185
	of 80400		9.257	C 2	80.9805	11.9943
	E 80500		26.7789		37.2634	7.0532
	n B0800		173.0709		52.8294	5.2217
X	o 80100		9.4578		90,4536	
Conal C	61 B0200		6.211	31	52.1106	10.3885
	B2300		37.9513		146.179	
Constati	- B21 nn		20 2251	3.14	96.38.38	
						•



(8) Print Map with Title, Legend and Border

	GIS D	atabase	Decisi	ion Making Proce	88	Exit
ollution Load Date	a View Pollution Los	d Calculation Re	sult Simula	ation by MIKE21	View and Evaluat	e Simulation Resul
	Basic Data				Detailed Data	
					1	
	BA	SIN DATA				
Basin	Description	Populatio	on Data	Load Data		
Basin	Basin	Basin	Sewage	Industrial /		
ID	Nome	Population	Treatment	Non-Industrial		
			Ratio	BOD Load		
		(persons)		(ton/day)		_
B0100	B. Charitas	30559	0.45	0.73		
B0200	Canal Canto do Rio	90467	0.45	0.03	-	
B0300	B. Catedrar	91 390	0.45	0.00		
B0400	B. Norte Centro	71 37 3	0.45	0.00		
B0500	Rio Bomba	241500	0.23	4.11		
B0600	Ria Imboassu	157098	0.13	0.00		
B0700	B. Itaoca	2578	0.13	0.00		
B0800	Rio Alcantara	593400	0.00	1.00		
B0900	Rio Cocerebu	256254	0.00	0.18		
I 81000	Rio Guapimirim	87059	0.00	1.91		
Basic Basin Data	Bosic WWTP Data Bo	sic Load Parameter	8			

(9) Input Basic Basin Data

(10) Input Basic Wastewater Treatment Plant (WWTP) Data

	GIS De	ntabase	Decision Making I	Process	Exit
ollution Load Data	View Pollution Loa	d Calculation Result	Simulation by MIK	E21 View and Evaluat	e Simulation Resu
	Basic Data		1	Detailed Data	
		1			
	WWTP L	.oad Data			
WWTP	Description	Populatio	on Data		
WWTP	WWTP	Sewer District	Sewered		
ID	Name	Population	Ratio		
		by WWTP			
1		(persons)			
WWTP 039	Icarei	183400	0.90		
WAYTP 036	Sen Goncelo	207600	0.18		
WWVTP 806	Sarapui	834100	0.50		
WWTP 005	Gramacho	66000	0.90		
WWTP 003	Povuna	847082	0.40		
WWTP 004	Acari	550000	0.1.4		
WWYTP 002	Penha	605300	0.90		
WWTP 001	Alegria	1359500	0.17		
WWTP 040	1 do Governador	209426	0.76		
WWTP 141	I. de Peciueta	3686	0.90		*
Basic Basin Data	esic WWTP Date Bas	ic Load Parameters			