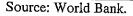
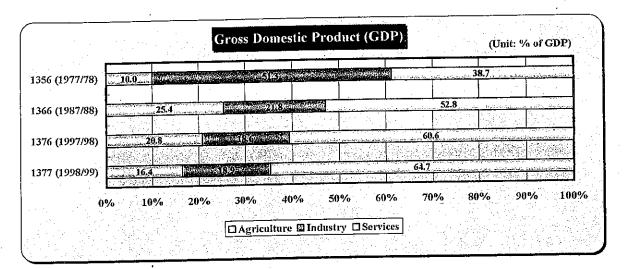
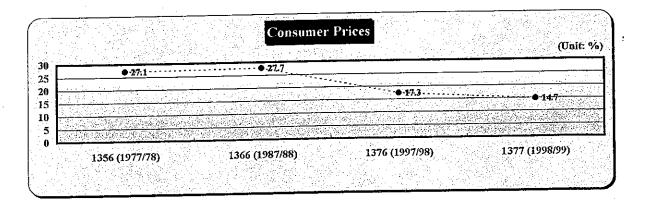
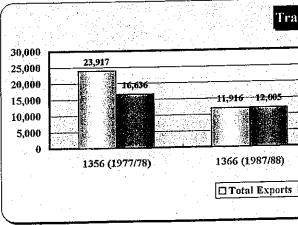
Table 2.3.1Macr	o-economic	Indicators	at	National	Level
-----------------	------------	------------	----	----------	-------

GDP - Agriculture - Industry - Services (annual average growth)	US\$ billions % of GDP % of GDP % of GDP %	76.0 10.0 51.3 38.7	137.7 25.4 21.8 52.8	102.0 20.8 18.6 60.6	100.3 16.4 18.9
- Industry - Services (annual average growth)	% of GDP % of GDP %	51.3	25.4 21.8	20.8 18.6	16.4 18.9
- Services (annual average growth)	% of GDP %	51.3	21.8	18.6	18.9
(annual average growth)	%.				
					64.7
(TDD)					
GDP		· _	_ ··	3.0	1.7
- Agriculture	%	-	-	1.5	5.0
- Industry	%	-	_	5.1	0.8
- Services	%	-	-	4.8	1.8
GDP per capita	%	-	-	1.4	-0.3
Domestic Prices					
Consumer Prices	%	27.1	27.7	17.3	14.7
Government Finance		/			
Current Revenue	% of GDP	-	-	25.0	18.8
Current Budget Balance	% of GDP	-	-	6.3	-1.3
Overall Surplus/Deficit	% of GDP	-4.9	-7.1	-2.7	-6.6
Trade					
Total Exports (FOB)	US\$ millions	23,917	11,916	18,375	12,997
- Fuel	US\$ millions	23,501	10,800	15,464	9,900
- Textiles	US\$ millions	-	_		642
- Manufactures	US\$ millions	<b>_</b>	-	_	587
	US\$ millions	16,636	12,005	14,598	13,765
- Food	US\$ millions	-	-	_	2,323
- Fuel and Energy	US\$ millions	-	400	300	289
- Capital Goods	US\$ millions	-	_		5,499
Export Price Index	1995=100	. 67	94	112	119
Import Price Index	1995=100	59	91	92	88
Terms of Trade	1995=100	114	104	122	135
Balance of Payments					
Exports of Goods & Services	US\$ millions	27,775	12,147	19,566	14,119
Imports of Goods & Services	US\$ millions	24,919	14,377	18,018	16,210
	US\$ millions	2,856	-2,230	1,548	-2,091
(annual average growth)					
Exports of Goods & Services	%	-	_	-12.5	-30.9
Imports of Goods & Services	%	-	_	-4.6	-3.9

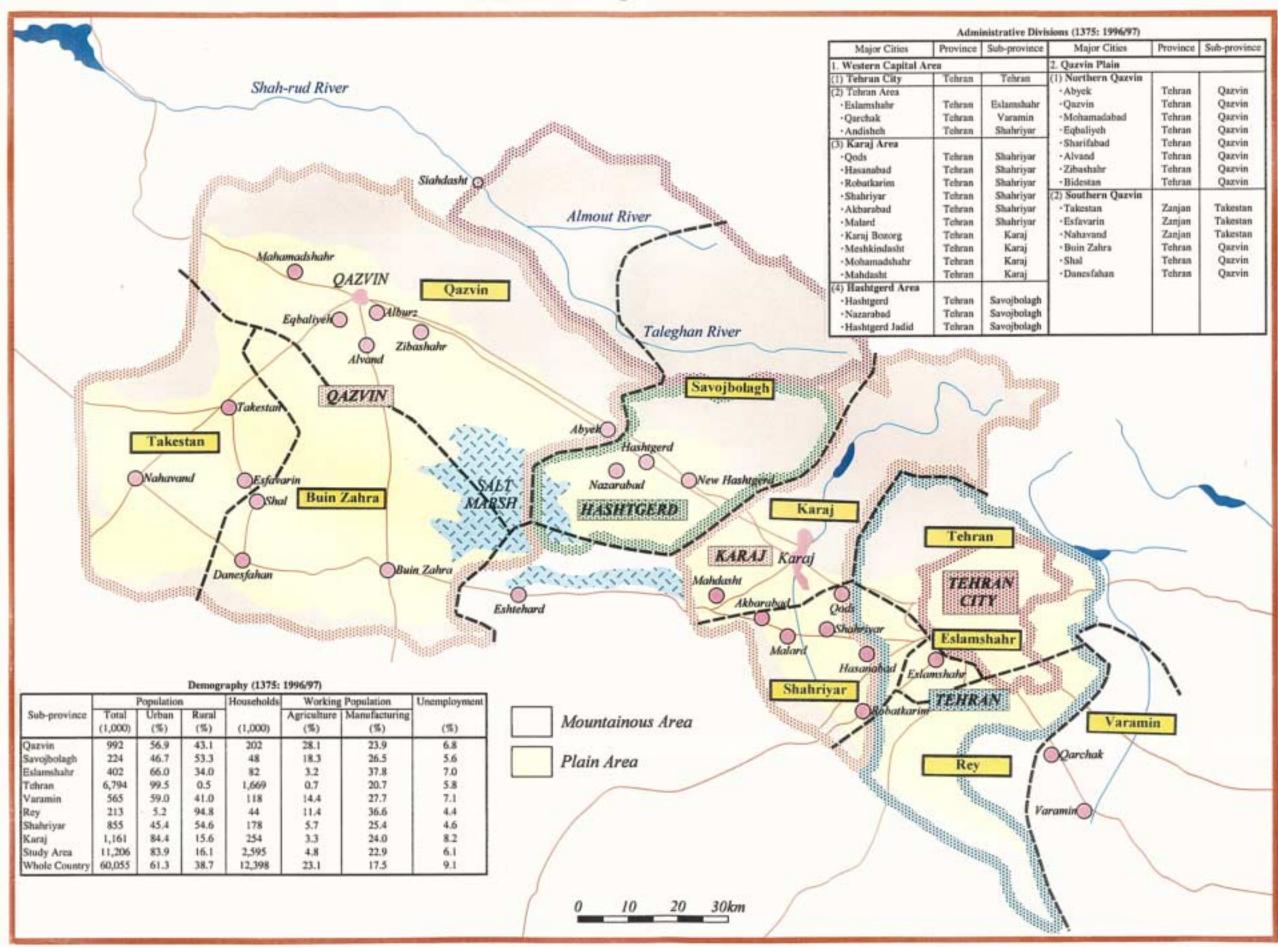








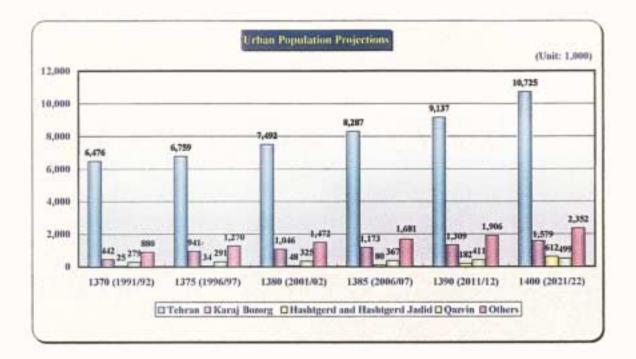
ade					(Tr.\$4. ]		illions)
	<u> </u>			e C	onie:	0.99 11	
·. ·	18,375		 . :				
		14,598		12,	997	13,765	
				125 L	-15		189786
		10		ki ₽		100	
	1376 (1	997/98)		13	77 (19	98/99)	
🖻 Total Ii	nports		1.1	÷.,	3.		

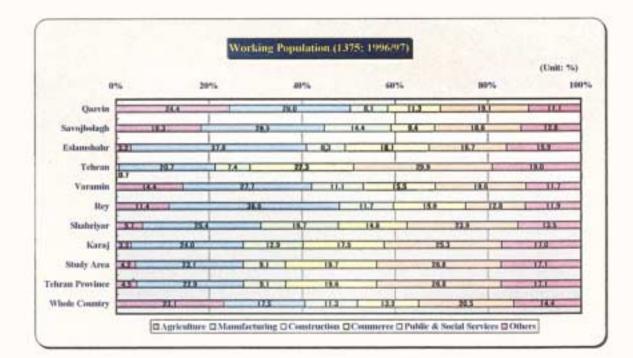


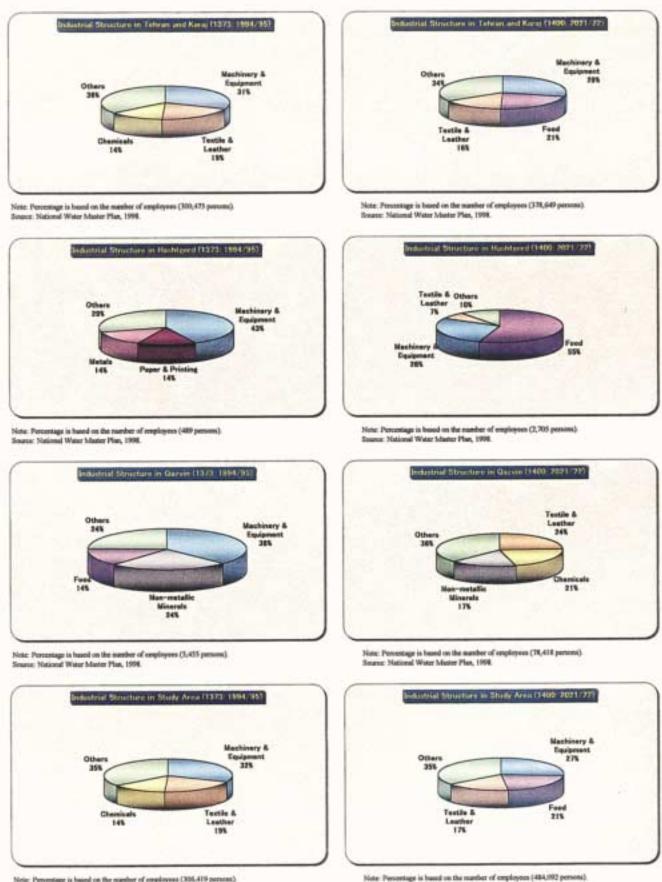
# Figure 2.3.2 Regional Administration

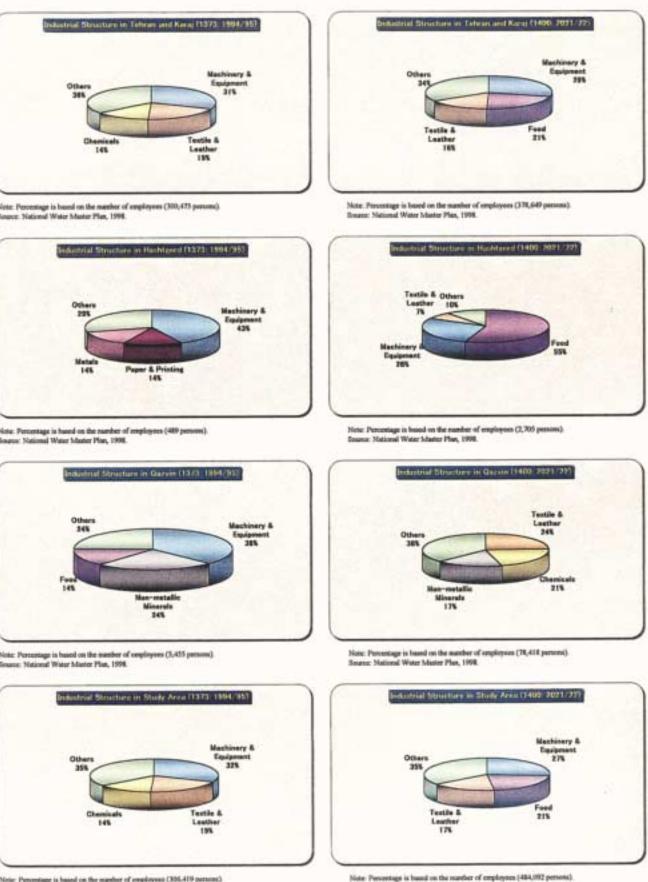
2. Quzvin Plain (1) Northern Quzvin	1	
1. B.B		
+ Abyek	Tehran	Qazvin
+Qazvin	Tehran	Qazvin
<ul> <li>Mohamadabad</li> </ul>	Tehran	Qazvin
<ul> <li>Equaliyeh</li> </ul>	Tehran	Qazvin
- Sharifabad	Tehran	Qazvin
- Alvand	Tehran	Qazvin
·Zibashahr	Tehran	Qazvin
-Bidestan	Tehran	Qazvin
(2) Southern Quzvin		
<ul> <li>Takestan</li> </ul>	Zanjan	Takestan
<ul> <li>Esfavarin</li> </ul>	Zanjan	Takestan
<ul> <li>Nahayand</li> </ul>	Zanjan	Takestan
<ul> <li>Buin Zahra</li> </ul>	Tehran	Qazvin
- Shal	Tehran	Qazvin
<ul> <li>Danesfahan</li> </ul>	Tehran	Qazvin
	1.000	10120

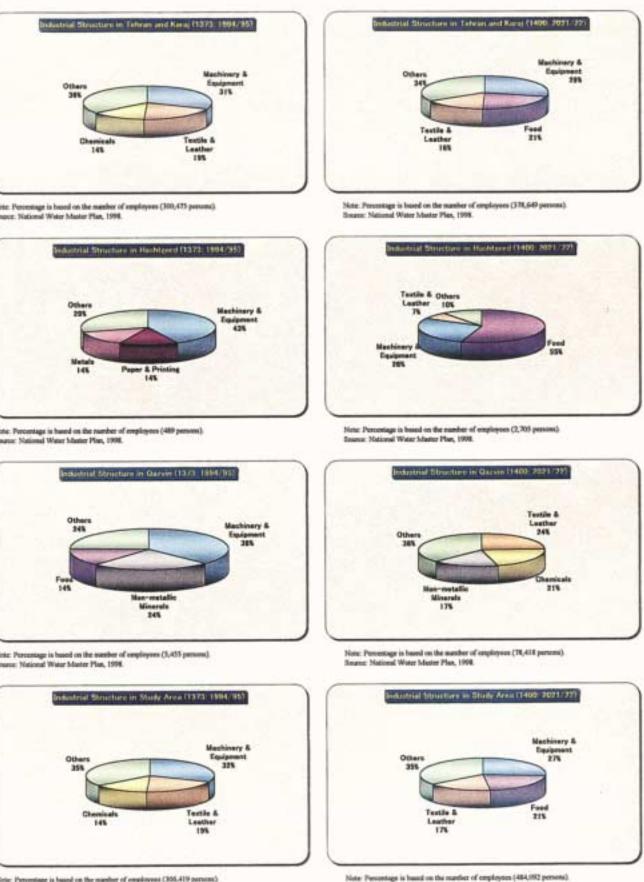
## Table 2.3.3 Regional Demography

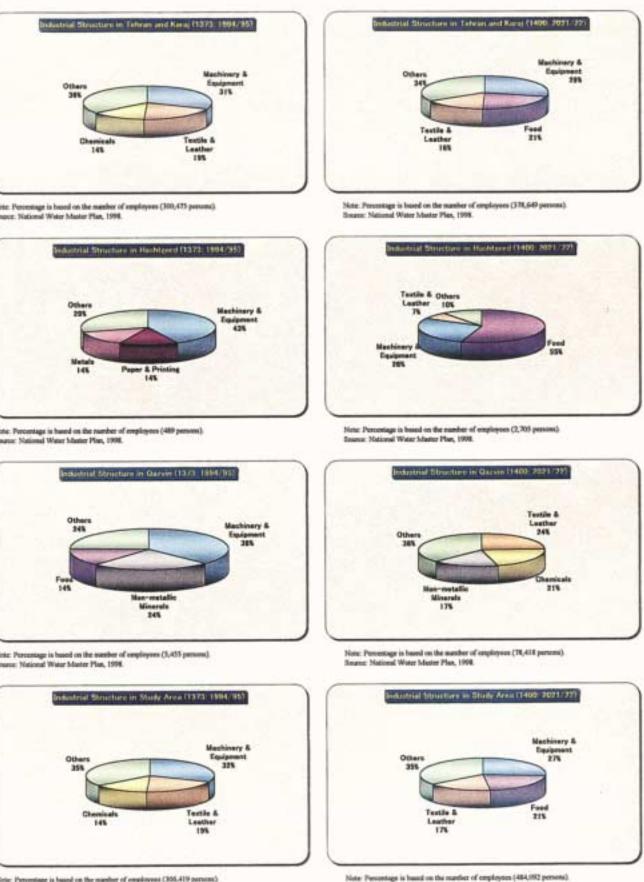








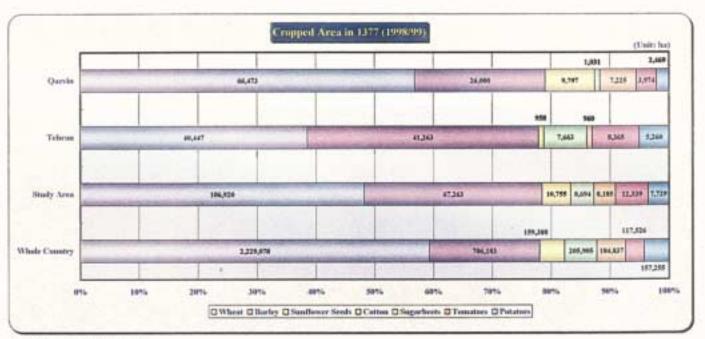




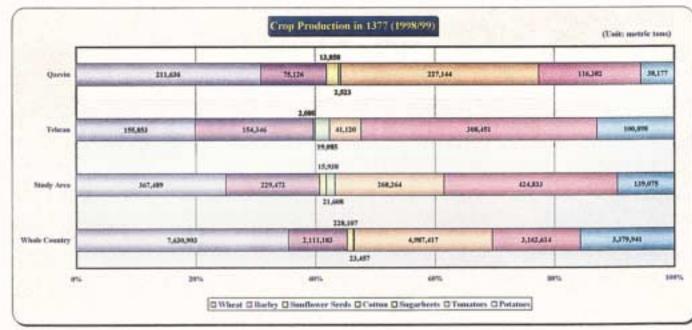
Note: Percentage is based on the manher of employees (305,419 percent) Seame: National Water Master Plan, 1998.

Note: Persentage is based on the marther of employees (484,002 persons). Source: National Water Master Plan, 1998.

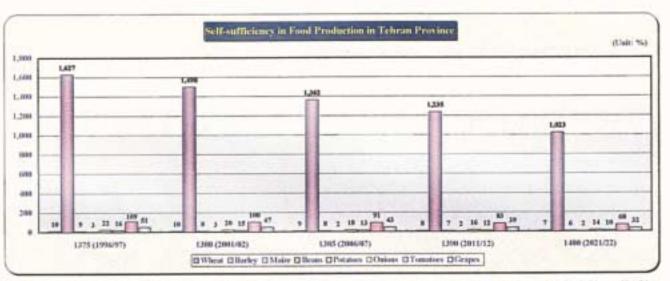
Table 2.3.5 Regional Agriculture



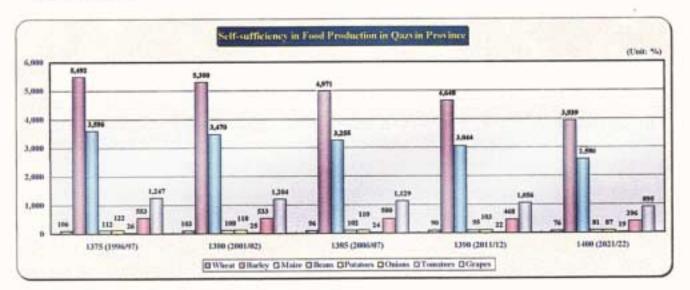
Note: Tubera includes the whole Tubera province. Storare: "Agricultured Production Costs, 137077", Agricultural Statistics and Information Department, Ministry of Agriculture

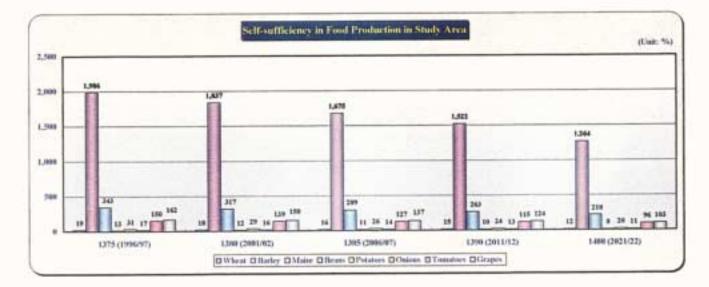


Note: Tahaan andadas the whole Tahaan province. Source: "Agricultured Production Costs, 1370-77", Agricultural Datistics and Information Department, Ministry of Agriculture

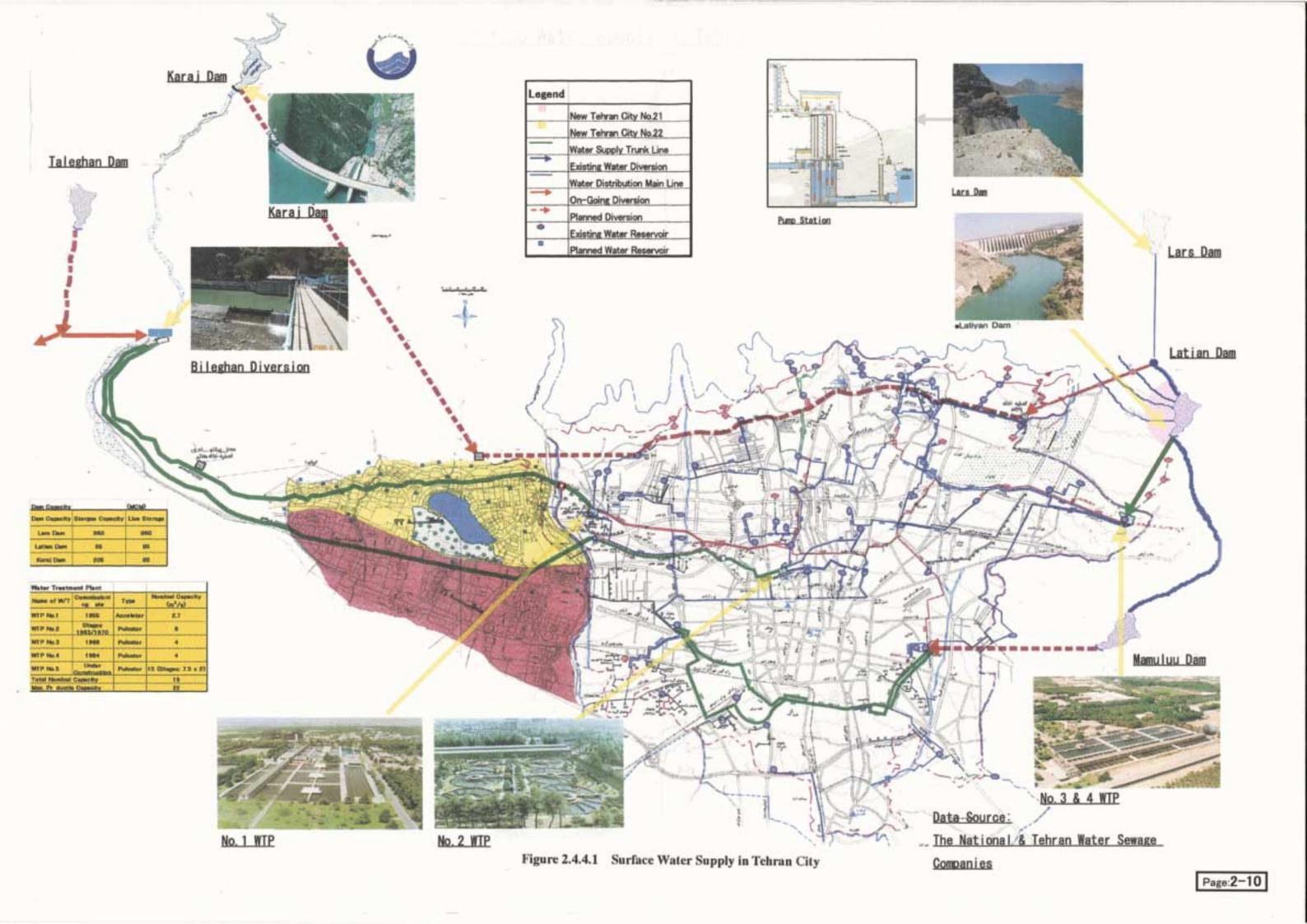


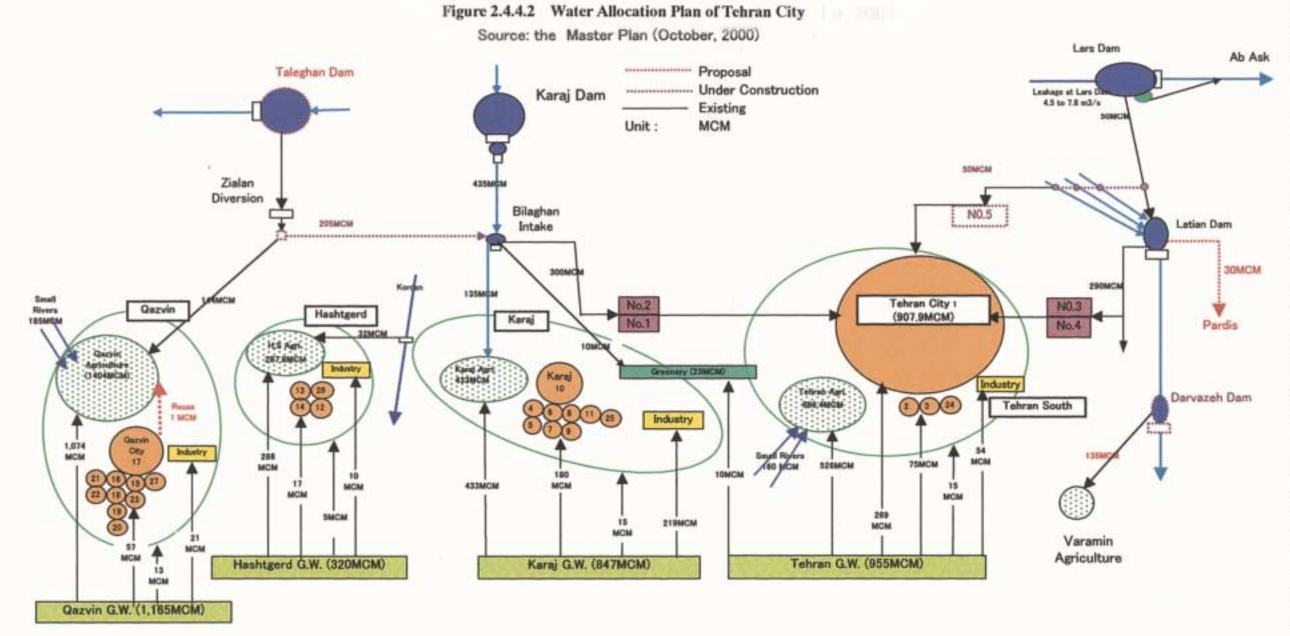
Hote: (1) Televes previous comprises overs of previous of Earsglologh, Educated, Tolges, Varence (Qechs), edy (1), Eary (News)idd only), Haddyn and Earst, while Querie previous consists of three previous of Qechs, Tolges, Tolges, Varence (Qechs), and remains urbanged over the respective priod. 3) One preduction has been faced at an average figure of USTVTR (1980-00), and remains urbanged over the respective priod. 3) Pet capita cap concernption has been determined at an average figure of USE (1981-00), 1071 (1992-01), and 1076 (1981-01) (1992-01), and 1076 (1981-01) (1992-01), and and and average figure of users, and water. 50 Televisities Core, 10.100171 and 1177/197, Agricultural Statistics and Information Department, Ministry of Agriculture 3) "Sectional Water Marky", 1986.



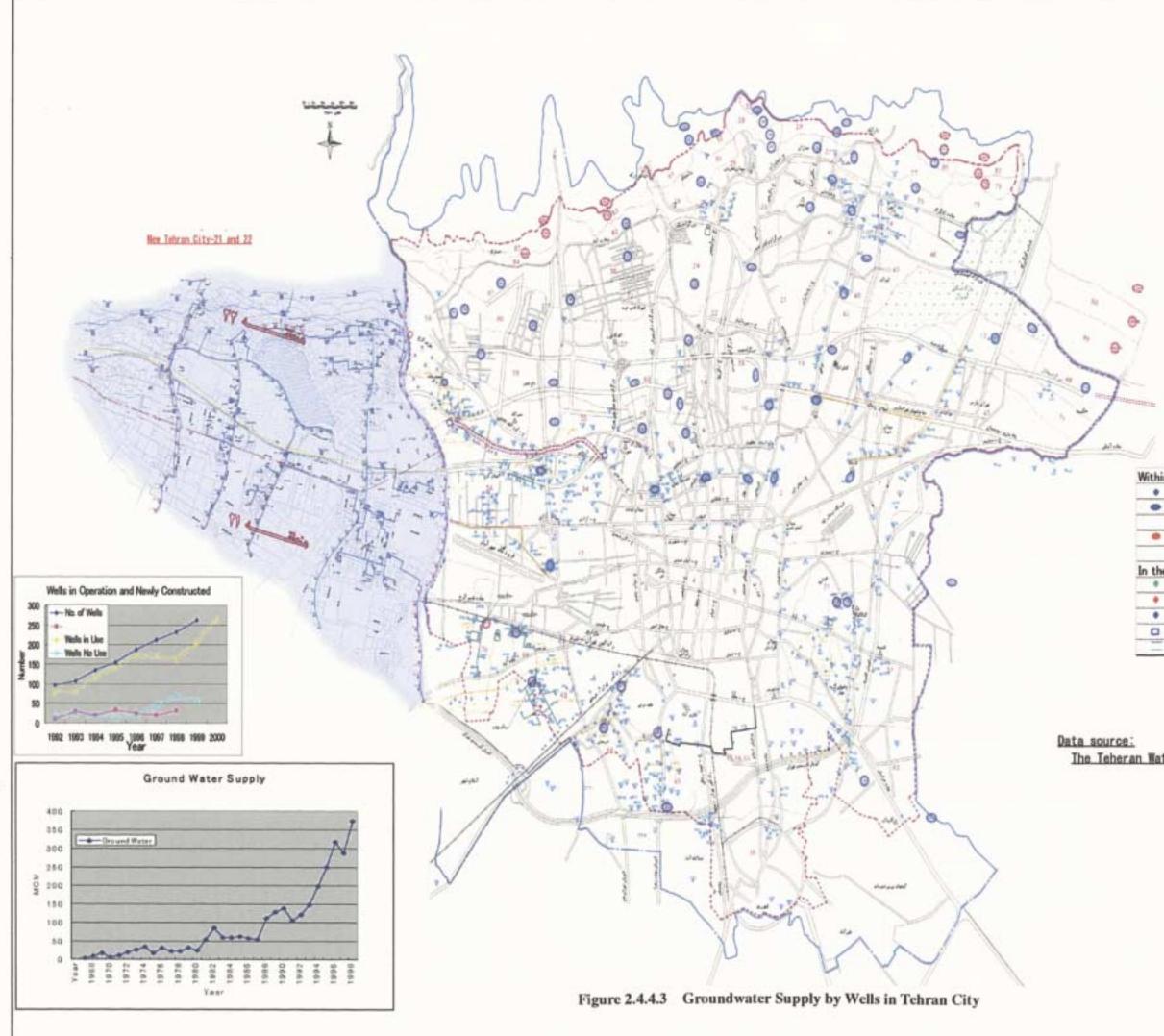


# Table 2.3.6 Regional Food Supply



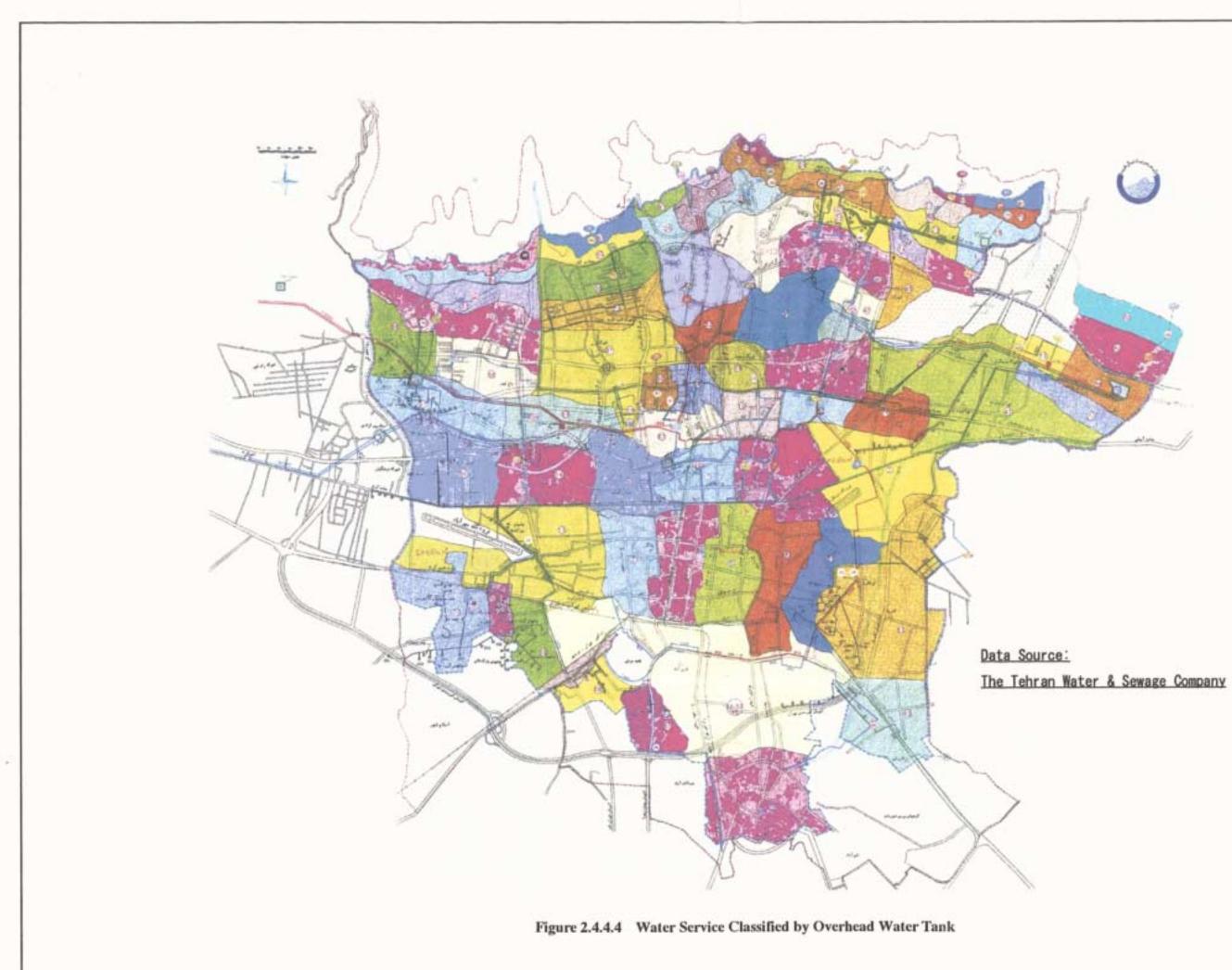


1	Western Capital Are	Code
1.1	Telvan City	1
1.2	Telvan South	
	Gharchall.	2
	Eslamshahr	3
	New Cities	24
1.3	Karaji Arna	
	Henenaberd	4
	Alberabed	5
	Robat Karins	
	Shahriyar	7
	Gheds	
	Malard	
	Karaj (Karaj Bozor	10
	Mahdasht	11
	New Cities	25
1.4	Hashtgard Area	
	New Hashtgard	12
	Hashtgerd	13
	Nazarabad	14
	New Cities	26
2	Gazvin Plain	
2.1	North Gazvin	5
	Abyek.	15
	Alvand	10
	Qazvin	17
	Exhalish	18
1	South Qazvin	
	Buin	19
	Danesfahan	20
	Shal	21
	Esfarvarin	22
1	Takestan	23
	New Cities	27



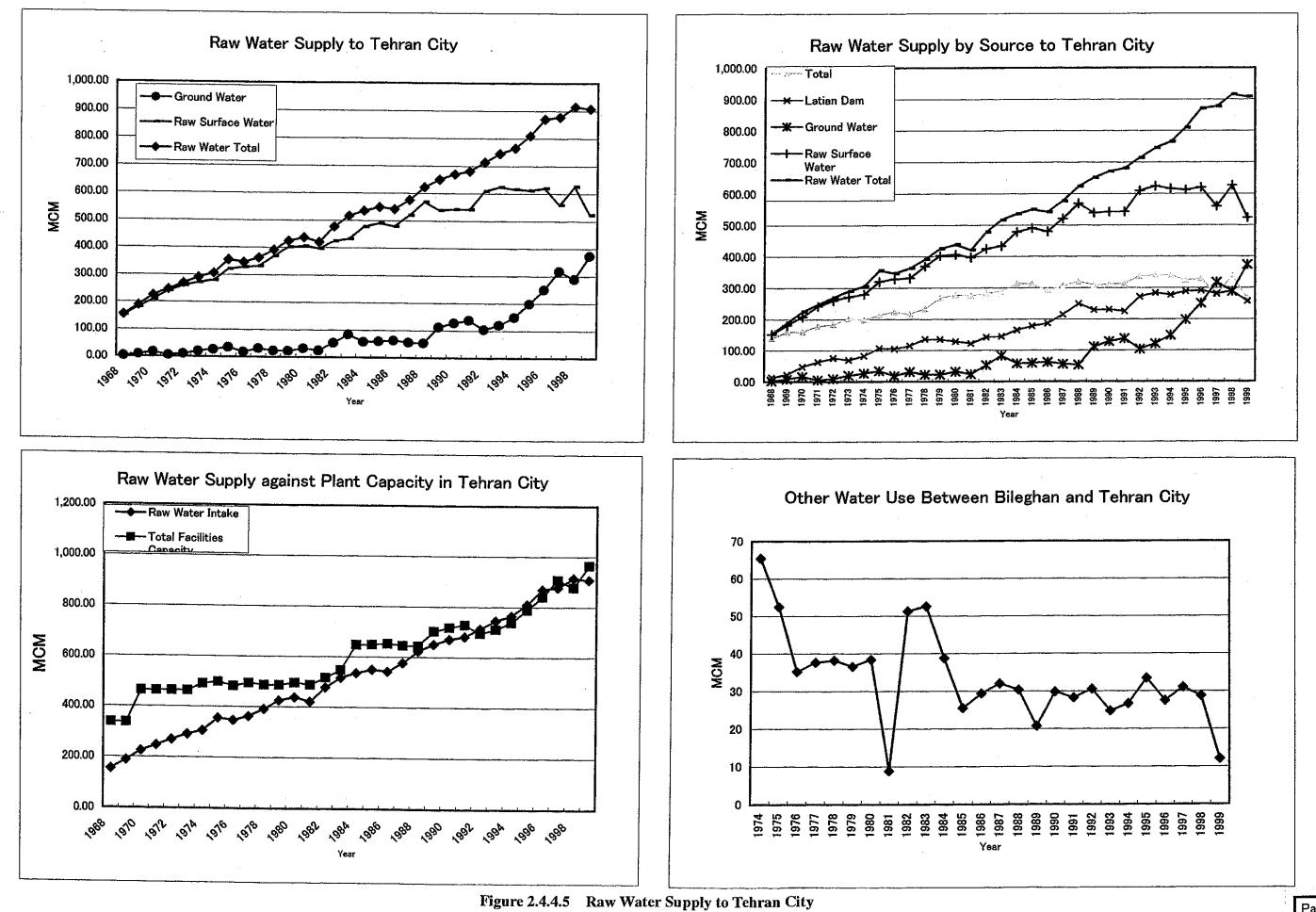
	Existing Well
۰	Existing Water Reservoir
	Planned Water Reservoir
the	City No.21 and 22, all are of plan
e the	City No.21 and 22, all are of plan
n the • •	
• • •	

ata source: The Teheran Water & Sewerage Company





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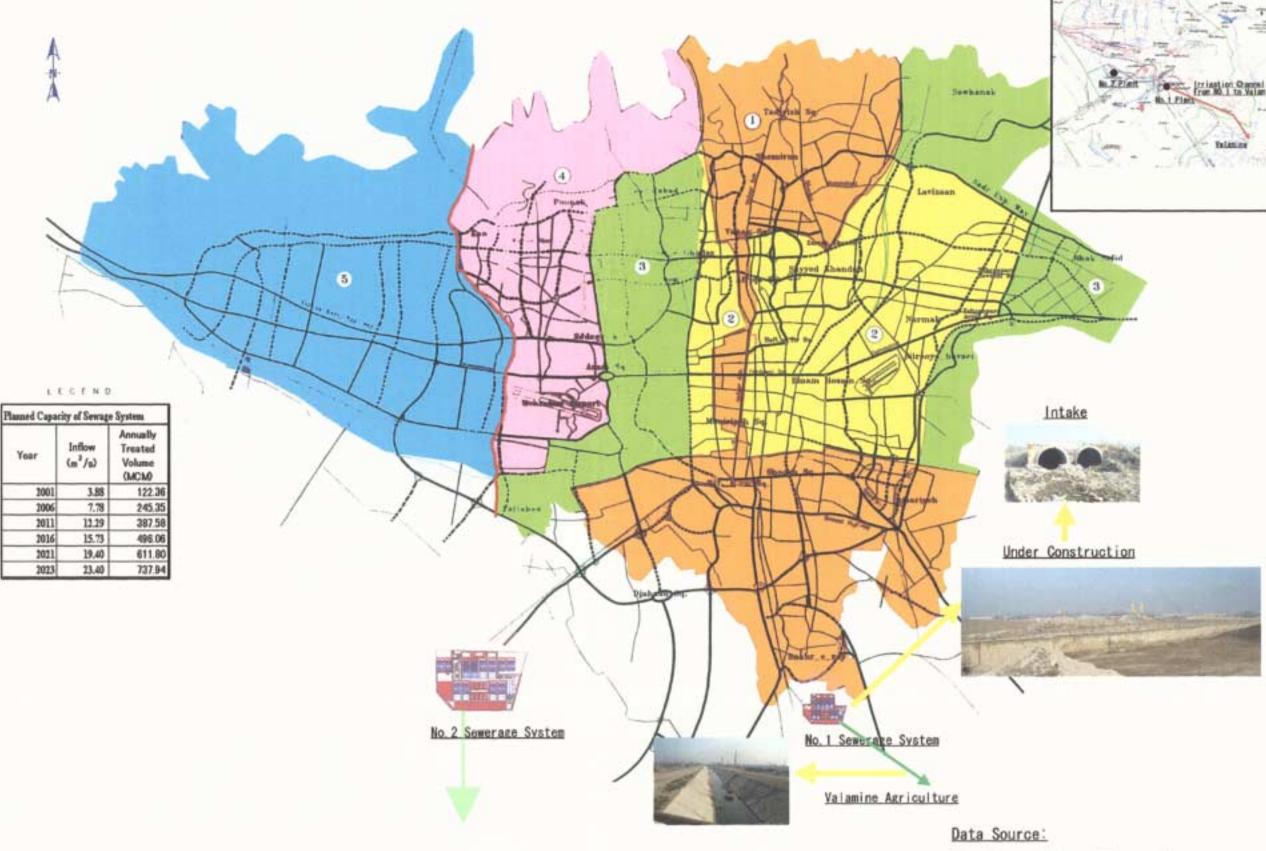
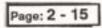


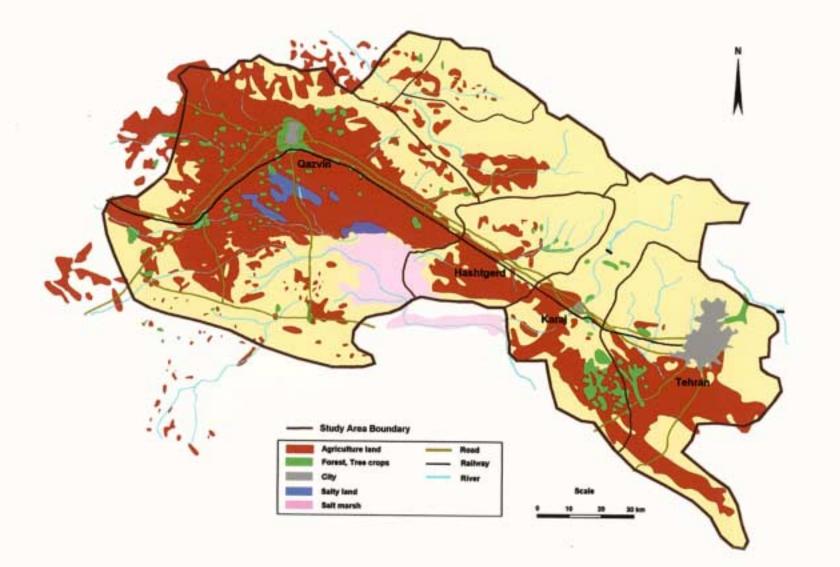
Figure 2.4.5.1 Tehran Sewage Plan

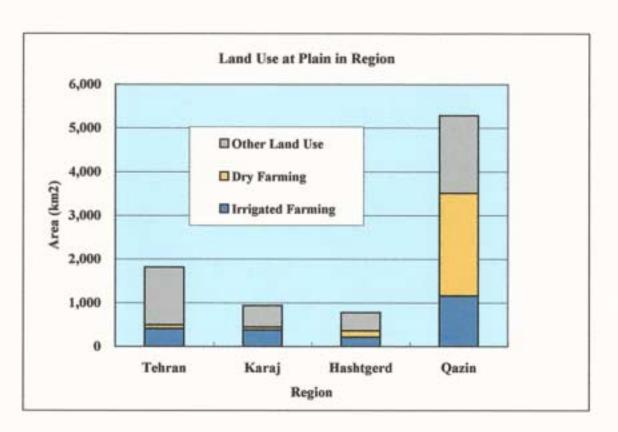
House of Treated Nater for Asriculture



The Tehran Water & Sewage Company







Area Classification i	n Region
-----------------------	----------

					Unit : km2
Classification	Tehran	Karaj	Hashtgerd	Qazvin	Total
Mountain	860	1,430	570	1,965	4,825
Plain	1,820	940	780	5,290	8,830
Total	2,680	2,370	1,350	7,255	13,655

## Land Use at Plain in Region

f - Kategoria ar	1	Agricultural Area		Other Lond Line	Unit : km2
Region	Irrigated Farming	Dry Farming	Total	Other Land Use	Total
Tehran	409	81	490	1,330	1,820
Karaj	378	66	444	496	940
Hashtgerd	214	142	356	424	780
Qazvin	1,159	2,351	3,510	1,780	5,290
Total	2,160	2,640	4,800	4,030	8,830

Note: Irrigated farming area is based on the data in 1998.

Other land use area includes urban and rural area.

Figure 2.5.1 Land Use Condition

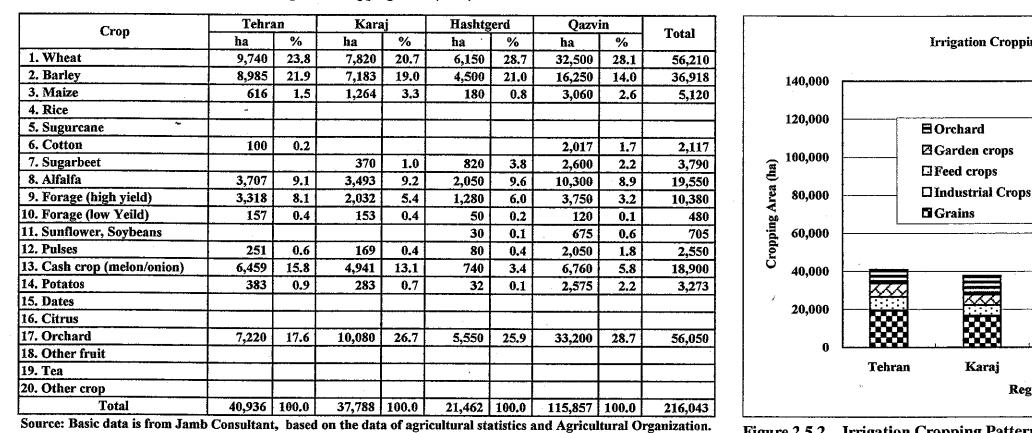
Page: 2 - 16

	,	· · · · · · · · · · · · · · · · · · ·														
		Mon	th/Crop	Mhr	Abn	Azr	Dey	Bah	Esf	Far	Ord	Khr	Tir	Mor	Shr	
<i>/</i> ·		Whe	at													
а - Сарана - Сарана	·	Barle	ey	·····									······			
Typical Cropping Cal	endar and	Maiz	ze							·····	······································	2				
Irrigation Requirement	Period of	Cotto	on		<b>I</b>											
Crops		Suga	r beet													
		Alfal														
	•			· · · · · · ·					·			· · · · · · · · · · · · · · · · · · ·				
		Gras	s													
		Oil·s	eed													
		Cerea	als													
		Vege	table													
		Potat	to						r	******						
		Fruit	tree													
	•	L	<u>.</u>	Irrigation			ng	I	Harvesting	<b>F</b>	G	rowing		I		
	r		T				-			Far		771	Tir	Unit ; m3 Mor	01	
	Çroj	0	Irrigation	Sen. 23 -	Oct. 23	- Nov. 22 -	Dec. 22 -	Jan. 21 -	Eeb. 20 -	Mar. 21	Apr. 21 -	May 22 -	Jun. 22 -	Jul. 23 -	Ang. 23 -	Total
	Çi ol		Times	Oct. 2	2 Nov.	21 Dec. 2	1 Jan. 20	Feb. 19	9 Mar. 20	Anr. 21	0 May 21	Jun. 21	.Inl. 22	Aug. 22	Sep. 22	
	Wheat (low y	vield)	5	1,000		0	- Valit Z			1,000				1105.22	500.22	7,000
	Wheat (high		4		2,00		, <b>-</b>			1,000			·			8,000
	Wheat		5	2,00	) 1,00	0	1			1,000						7,000
Standard of Monthly Crop	Barely		4		1,00	0				1,000						6,000
Water Supply under the	Beetroot		14	tere and the second	)					2,000			3,500	3,500	2,000	16,500
Qazvin Irrigation Company	Pea, Lentil		4		_ <b>_</b>			<b>_</b>		1,500	1,000		1,000			5,500
Zactin Inganon Company	Maize Corn		8				+				<b></b>	2,000	2,500	2,500 2,500	2,000	10,000
	Potato		11		<u>'</u>		<b></b>				2,500	2,000	2,500 3,500	2,500	2,000 2,000	<u>11,000</u> 12,500
	Tomato (seed	0	11				+	+	+	1,000			3,000	3,000	2,000	12,500
	Tomato (tran		13				+	+		1,000	3,000		2,000	3,000	2,000	15,000
	Onion, Carro		14		1		1			1,500				2,500	2,000	15,000
	Sunflower		5							1	2,000	1,500	2,500	1,000		7,000
	Black eyed co	owpea	7								1,000	2,000	2,500	2,500	1,000	9,000
	Sorgum		6								1,500		1,200	2,200	1,400	7,500
	Cotton		8				<b></b>	1			2,000			2,500	2,000	10,000
	Watermelon		5				<u> </u>				1,000		1,500	1,500	1,000	7,000
	Alfalfa Costor boons		16		<u>'</u>		<u></u>	<u> </u>		1,500		3,000	3,000	3,000	2,000	16,500
	Castor beans Cucamber		5					·   · · · · · ·	+		1,000	2,000	2,000	2,000		7,000
	Young fruit g	ordan	<u> </u>		1 1 00	<u>.</u>	+			1 000	2,000		2,000	1,500	2 000	7,000
	I J VULLY IFUIL 2						- <u> </u>	- <b> </b>		1,000			2,000	2,000 3,000	2,000	12,000 18,500
		ten	10	1 3 100	1 1 1 1 1 1		f .	1	1	2 6 1 1 1	1 6 1 6 1 6 1					
	Old fruit gare	len	19		1,50	U	<u> </u>		- <b> </b>	1,500					3,000	
			19 6 6		1,50					1,500	1,500 1,500 3,000		1,500	1,500	3,000	4,500

Source ; Qazvin Irrigation Company (2000)

Figure 2.5.2-1. Monthly Irrigation Water Requirement

Page: **2 - 17** 



### **Irrigation Cropping Area (1998)**

Each area is estimated by JICA Study Team based on the basic data and the size of beneficial area.

Monthly Irrigation Water Demand (1998)

Region	Mhr	Abn	Azr	Dey	Bah	Esf	Far	Ord	Khr	Tir	Mor	Shr
Tehran	31	5	0	0	0	0	14	94	94	91	82	
Karaj	24	5	0	0	0	0	12	81	92	93	84	
Hashtgerd	14	3	0	0	0	0	8	50	58	49	41	
Qazvin	28	55	0	· 0	0	0	56	247	354	311	239	1
Total	98	68	0	0	0	0	91	473	597	543	445	2
Note: Water de	mand is colo	ulated base	d on the i	minated or	ag in 1009					į	e	

indic: water den and is calculated based on the irrigated area in 1998.

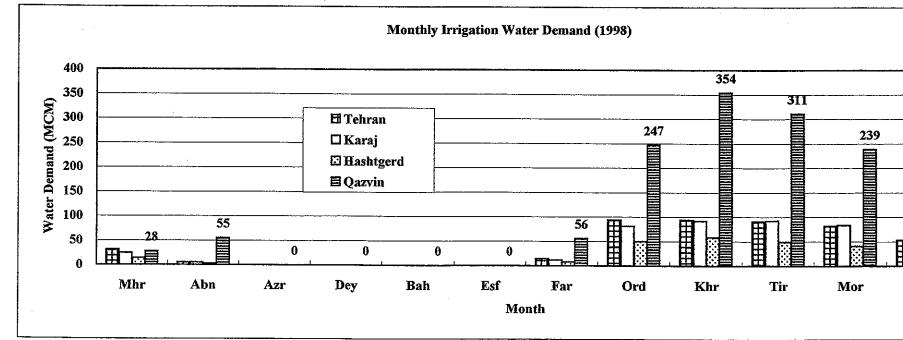
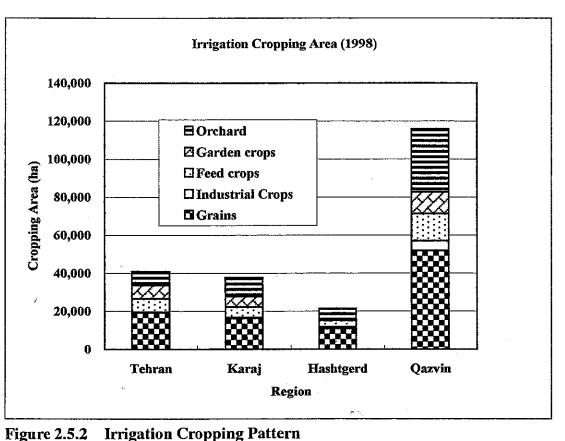


Figure 2.5.2-2. Irrigation Water Demand



### Unit : MCM

	Total
54	465
54	445
26	249
59	1,449
93	2,608

