Lake Tiberias (in Mcm/yr)

500
100–110
670
470
200–220
250-400 (ppm)
390
40
212.2m
211.89m

* National Water Carrier

Israeli Withdrawals from Yarmuk River (in Mcm/yr)

	Normal Conditions	Drought Conditions
Total withdrawal	100	80-85
Diversion to Golan	15–20	8-10
Diversion to Tiberias	80–85	70
to Coastal Plain	60–65	63-65
to Irrigation	15	5-8

Flows at Lake Tiberias (in Mcm/yr)

Inflow from Jordan River	500
Diversion before entering	100–110
Storage volume	670
Utilization	470
Evaporation	200–220
Salinity	250-400 (ppm)
Pumped into NWC*	390
Outflow	40

* National Water Carrier

Israeli Withdrawals from Yarmuk River (in Mcm/yr)

	Normal Conditions	Drought Conditions
Total withdrawal Diversion to Golan Diversion to Tiberias to Coastal Plain to Irrigation	$ \begin{array}{c} 100\\ 15-20\\ 80-85\\ 60-65\\ 15 \end{array} $	80-85 8-10 70 63-65 5-8
	? Shau	ld flice add up ?

Groundwater Potential and Actual Production, 1985/6–1989/90 (in Mcm/yr)

Reservoir	Potential Production	Average Actual Production	Average Overproduction
Coastal	283	317	34
Mountain	330	379	49
TOTAL	613	696	83

litatin? Source: State Comptroller

Water Consumption in Israel and West Bank (in Mcm/yr)

	Israel	West Bank
Urban consumption Present Predicted (2020) Agri consumption Present Predicted (2020) Domestic fresh water supply Deficit under 1989-90 practices Deficit under water use reform	500 950 1300 2500 1800 1000 500	25 <i>180</i> 100 350 120 350 300

Octation ? Source: Gideon Fishelson, Figures based on Gideon Fishelson and Elisha Kalley.



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Addendum

Negotiating Strategies

Supplemental Data

Annual Flow of of the Jordan Into Lake Tiberias (in Mcm)

Actual Flow
390
639
659
305
214
404

(N.B. For overall total inflow, add an average of 216 Mcm/yr direct rainfall and surface runoff).

Annual Flow of the Jordan Out of Lake Tiberias (in Mcm)

Year	Actual Flow
1985-86	14.47
1986-87	11.76
1987-88	127
1988-89	13.12
1989-90	56.4
Avg. 1980-85	42

Annual rate of evaporation from Lake Tiberias: 294 Mcm

Annual rate of withdrawal from Lake Tiberias to the National Water Carrier: 525 Mcm

Annual amount of saline water diverted around Lake Tiberias: 10/Mcm

Water Supply and Demand in Jordan Basin (in Mcm/yr)

	1987-1991 Average Supply Non-Drought Conditions	Average Supply RE <u>Current</u> Drought Conditions	1987-1991 Average Total Demand	1987-1991 Average Deficits Non-Drought Conditions	Average Deficits Activitient Drought Conditions	Projected Demand 2015–2020
Israel	1950	1600	2100*	150–200	200	2500–2800
Jordan	900	700–750	800	100–125	100	1600–1800
Occupied Territories	650	450–550	600–650	- 750-800 75-102)	100	* *

* Includes settlements in Occupied Territories and Golan Heights ** Future status indeterminate

Water Supply and Demand in Jordan Basin (in Mcm/yr)

	1987-1991 Average Supply Non-Drought Conditions	Average Supply Current Drought Conditions	1987-1991 Average Total Demand	1987-1991 Average Deficits Non-Drought Conditions	Average Deficits Current Drought Conditions	Projected Demand 2015–2020
	1950	1600	2100*	150-200	200	2500-2800
Israel	israel 1950			105	100	1600-1800
Jordan	900	700–750	800	100-125	100	
Occupied	650	650 450-550 600-65		750-800	100	**
lerritories						

* Includes settlements in Occupied Territories and Golan Heights
 ** Future status indeterminate

Population Projections for Jordan, Israel, and Occupied Territories* (population in millions)



* Soviet immigration not included

Projections on Israel based on UN World Population Prospects 1989 Projections on the Occupied Territories and Jordan are based on in-country data obtained by author



Population Projections for Jordan Basin* and Egypt (population in millions)

* Soviet immigration not included

Projections on Syria and Israel based on UN World Population Prospects 1989 Projections on the Occupied Territories and Jordan are based on in-country data obtained by author

Euphrates-Tigris Basin Population Projections (population in millions)



Projections based on UN World Population Prospects 1989

Population Projections for Euphrates-Tigris Basin (population in millions)

	1985	1990	1995	2000	2005	2010	2015	2020	2025
Iraq	15.9	18.9	22.4	26.3	30.7	35.3	40.1	45.1	50.0
Syria	10.5	12.5	14.9	17.6	20.6	23.3	26.6	29.5	32.2
Turkey	50.4	55.6	61.2	66.7	71.8	76.6	81.2	85.4	89.6

Projections based on UN World Population Prospects 1989

Population Projections for Jordan Basin and Egypt (population in millions)

	1985	1990	1995	2000	2005	2010	2015	2020	2025
Syria	10.5	12.5	14.9	17.6	20.6	23.3	26.6	29.5	32.2
Jordan	2.7	3.2	3.8	4.4	5.4	6.4	7.6	9.8	11.6
Israel*	4.2	4.6	5.0	5.3	5.6	6.0	6.3	6.7	7.0
Occupied Territories	1.5	1.8	2.1	2.5	2.9	3.4	4.0	4.7	5.5
Egypt	47.6	54.1	60.5	66.7	72.7	78.4	84.0	89.0	94.0

* Soviet immigration not included

Projections on Syria and Israel based on UN World Population Prospects 1989 Projections on the Occupied Territories and Jordan based on in-country data obtained by author