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The Arab-Israeli Military Balance in 2002

Part Three

Trends in National Forces

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Table 6.1

Force Trends in Israel - Part One

<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Manpower</u>							
Total Active (Conscript)	169,600 (125,300)	142,000 -	141,000 (110,000)	172,000 (138,500)	175,000 (138,500)	172,500 (107,500)	163,500 107,500
Total Reserve	-	370,000	504,000	430,000	430,000	425,000	425,000
Total Actives & Reserves	400,000	512,000	645,000	602,000	605,000	597,500	588,500
Paramilitary	9,500	4,500	6,000	6,050	6,050	8,050	8,050
<u>Land Forces</u>							
Active Manpower (Conscripts)	135,000 (120,000)	104,000 (88,000)	104,000 (88,000)	134,000 (114,700)	134,000 (114,700)	130,000 (85,000)	120,000 (85,000)
Reserve Manpower	-	310,000	494,000	365,000	365,000	400,000	400,000
Total Reserve & Active Manpower	375,000	414,000	598,000	499,000	499,000	530,000	520,000
Main Battle Tanks (Static & In Storage)	3,050 -	3,600 -	4,288 -	4,095 -	4,300 -	3,900 -	3,900 -
AIFVs/Armored Cars/Lt. Tanks	80+	300	400	408	408	408	408
APCs/Recce/Scouts	4,000*	4,000	5,980	5,980	5,980	5,900	5,900
WWII Half-Tracks	*	4,000	4,400	3,500	500(4,000)	500	500(3,500)
ATGM Launchers	-	-	-	1,005	1,005	1,300	1,325
SP Artillery	228	488	816	1,150	1,150	855	855
Towed Artillery	950	570	579	400	400	520	520
MRLs	-	180	175	160	160	198	198
Mortars	900+	900+	-	2,740	2,740	6,440	6,470
SSM Launchers	-	-	112	100+	48-96	48-96	20
AA Guns	900+	900+	850+	850	850+	850+	850+
Lt. SAM Launchers	-	-	-	945+	945+	1,298	1,298

* Includes all types of other armed vehicles except tanks and self-propelled artillery

* Includes all medium and heavy self-propelled and towed weapons.

Table 6.1

Force Trends in Israel - Part Two

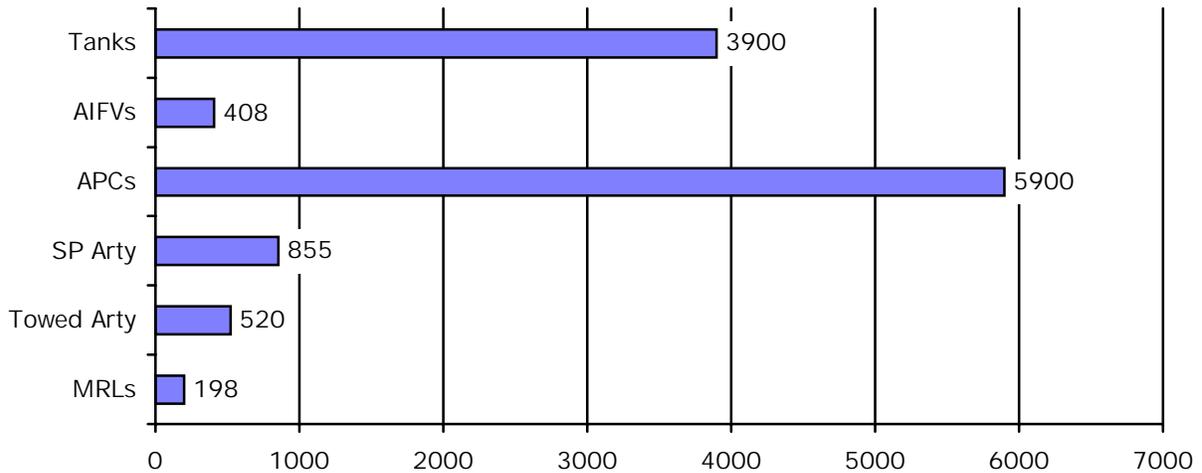
<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Air & Air Defense Forces (Continued)</u>							
<u>Air & Air Defense Forces</u>							
Active Air Force Manpower	38,000	28,000	28,000	32,000	37,000	36,000	37,000
Active Air Defense	-	-	-	-	-	-	-
Reserve Manpower	9,000	9,000	9,000	20,000	20,000	20,000	20,000
Air Defense Command Reserve	-	-	-	-	-	-	-
<u>Aircraft</u>							
Total Fighter/FGA/Recce	535	684 (90)	553	449	459(250)	446(250)	466(250)
Fighter	0	0	0	0	0	0	0
FGA/Fighter	265	402	393(+83)	373(+120)	405	405	405
FGA	200	130	121(+14)	50(+150)	25	25	25
Recce	14	15	14	22	10	10	10
Airborne Early Warning (AEW)	4	4	4	4	6	6	6
Electronic Warfare (EW)	-	10	26	36	37	37	37
Fixed Wing					37	37	37
Helicopter					0	0	0
Maritime Reconnaissance (MR)	0	0	5	3	3	3	3
Combat Capable Trainer	74	123	48	14-24	19	26	26
Tanker	2	2	7	8	8	6	3
Transport	58-70	45	58	47	36	37	39
<u>Helicopters</u>							
Attack/Armed/ASW/SAR	6	58	74	116	133	133	133
Transport & Other	145	92	143	145	160	160	160
Total	151	187	219	263	299	299	299
<u>SAM Forces</u>							
Batteries	15	15	17	17	28	28	29
Heavy Launchers	60	60	68	68	79	79	79
Medium Launchers	-	-	-	-	-	-	-
<u>Naval Forces</u>							
Active Manpower	6,600	10,000	9,000	6,000-7,000	6,500	6,500	6,500
Reserve Manpower	3,400	10,000	1,000	10,000	5,000	5,000	5,000
Total Manpower	10,000	20,000	10,000	16,000-17,000	11,500	11,500	11,500
Submarines	3	3	3	2	4	2	3
Destroyers/Frigates/Corvettes	0	6	0	3	3	3	3
Missile	0	6	0	3	3	3	3
Other	0	0	0	0	0	0	0
Missile Patrol	22	24	26	23	14	12	10
Coastal/Inshore Patrol	38	45	37	40	36	32	34
Mine	0	0	0	0	0	0	0
Amphibious Ships	3	3	0	1	1	1	1
Landing Craft/Light Support	6	9	9	4	4	4	4
Fixed-wing Combat Aircraft	0	0	0	0	0	0	0
MR/MPA	3	0	0	0	0	0	0
ASW/Combat Helicopter	0	0	0	0	0	0	0
Other Helicopters	-	-	-	-	-	-	-

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

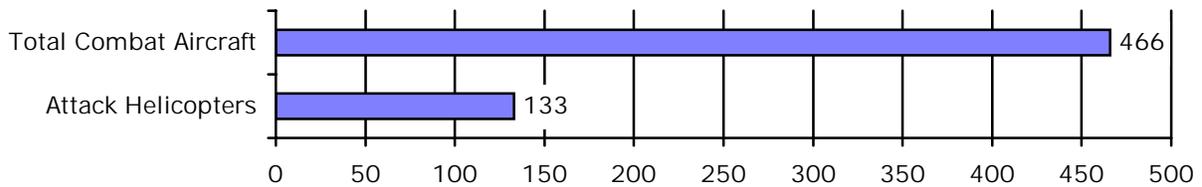
Figure 6.1

Israeli Major Operational Military Equipment in 2002

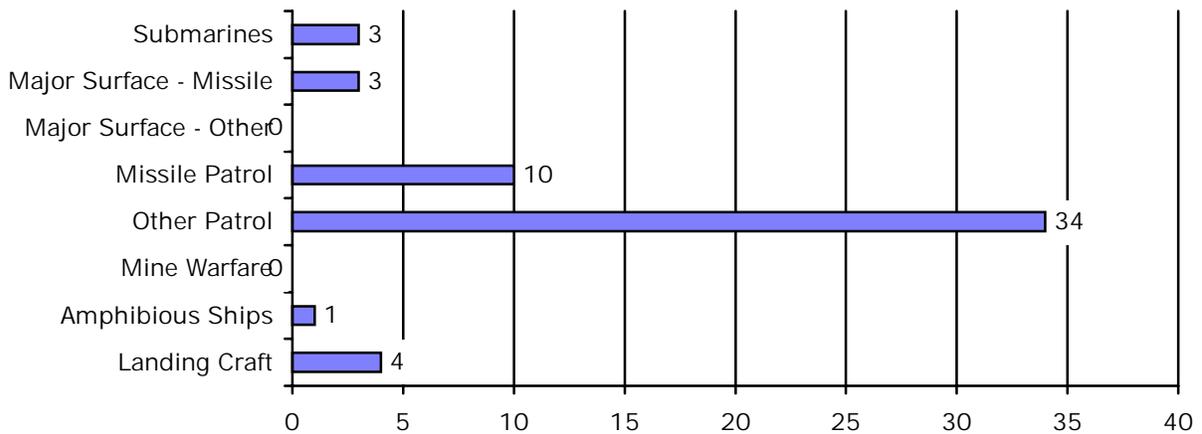
Land Forces



Air Forces



Naval Forces

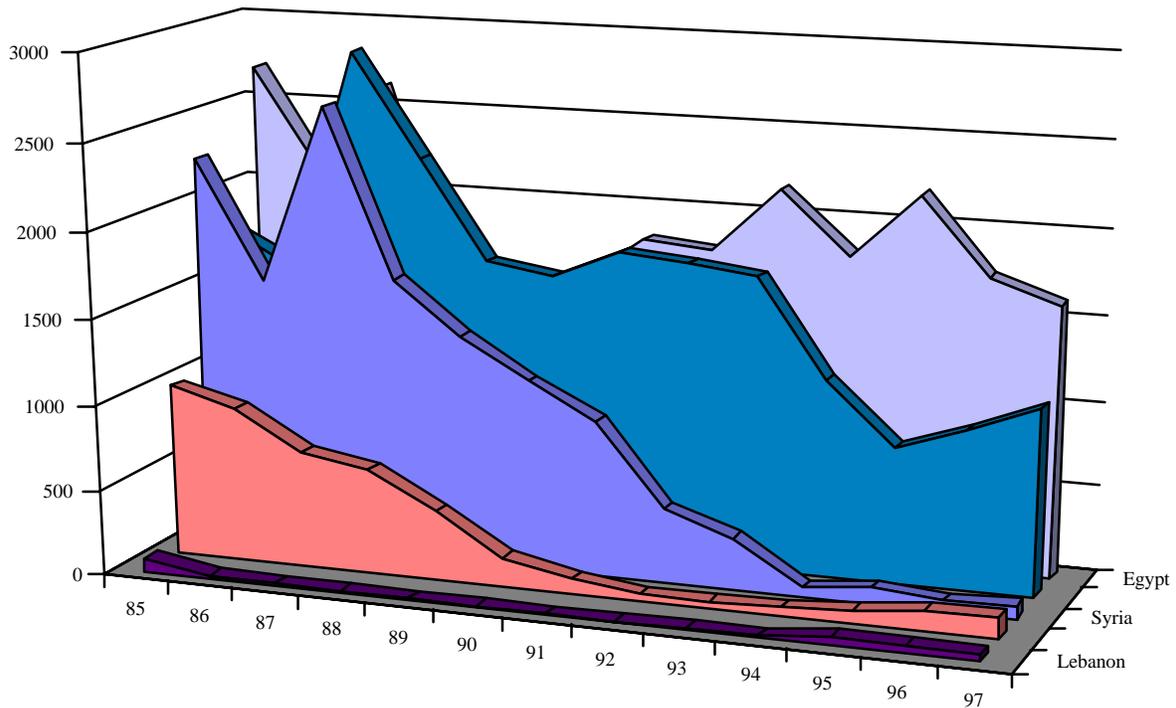


Source: Prepared by Anthony H. Cordesman, based upon the IISS Military Balance and discussions with US and regional experts.

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Figure 6.2

Israeli Arms Deliveries: 1985-1996
(\$97 Constant Millions)



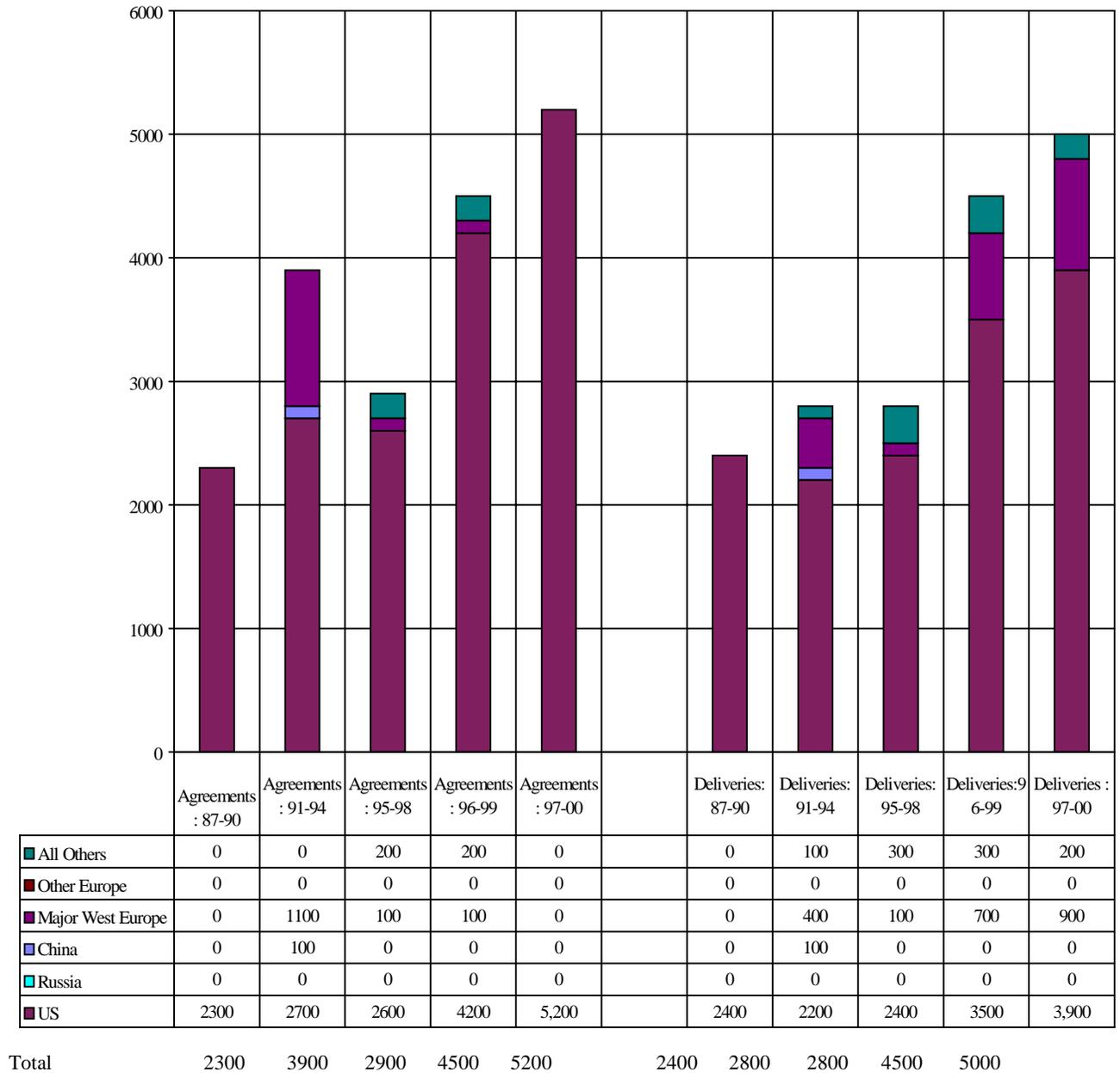
	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Lebanon	79	16	13	13	6	2	6	3	11	11	52	41	40
■ Jordan	1013	912	686	619	414	176	91	44	43	53	83	122	130
■ Syria	2278	1585	2613	1643	1339	1113	906	432	302	53	93	61	70
■ Israel	1785	1585	2874	2275	1704	1640	1812	1774	1728	1163	802	940	1100
■ Egypt	2690	2105	2613	1390	1217	1522	1812	1774	2159	1798	2174	1728	1600

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

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Figure 6.3

Israeli Arms Agreements and Deliveries By Major Supplier
(\$Current Millions)



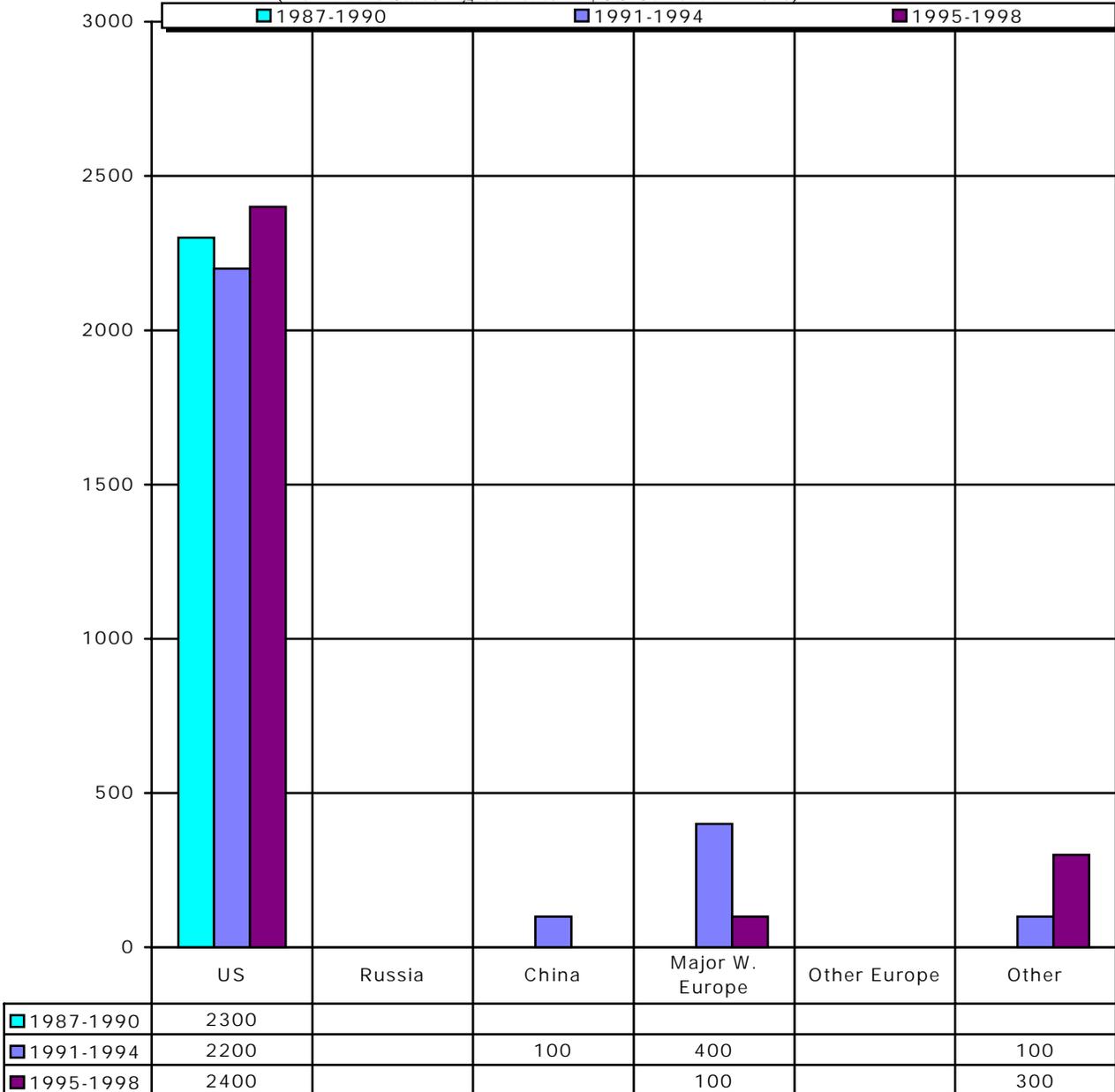
Includes Gulf states, Arab-Israeli states, North Africa, and Yemen

0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

Figure 6.4

Trend in Supplier's Share of Israel's Arms Market Before and After Gulf War
 (New Arms Sales Agreements in \$US Current Millions)



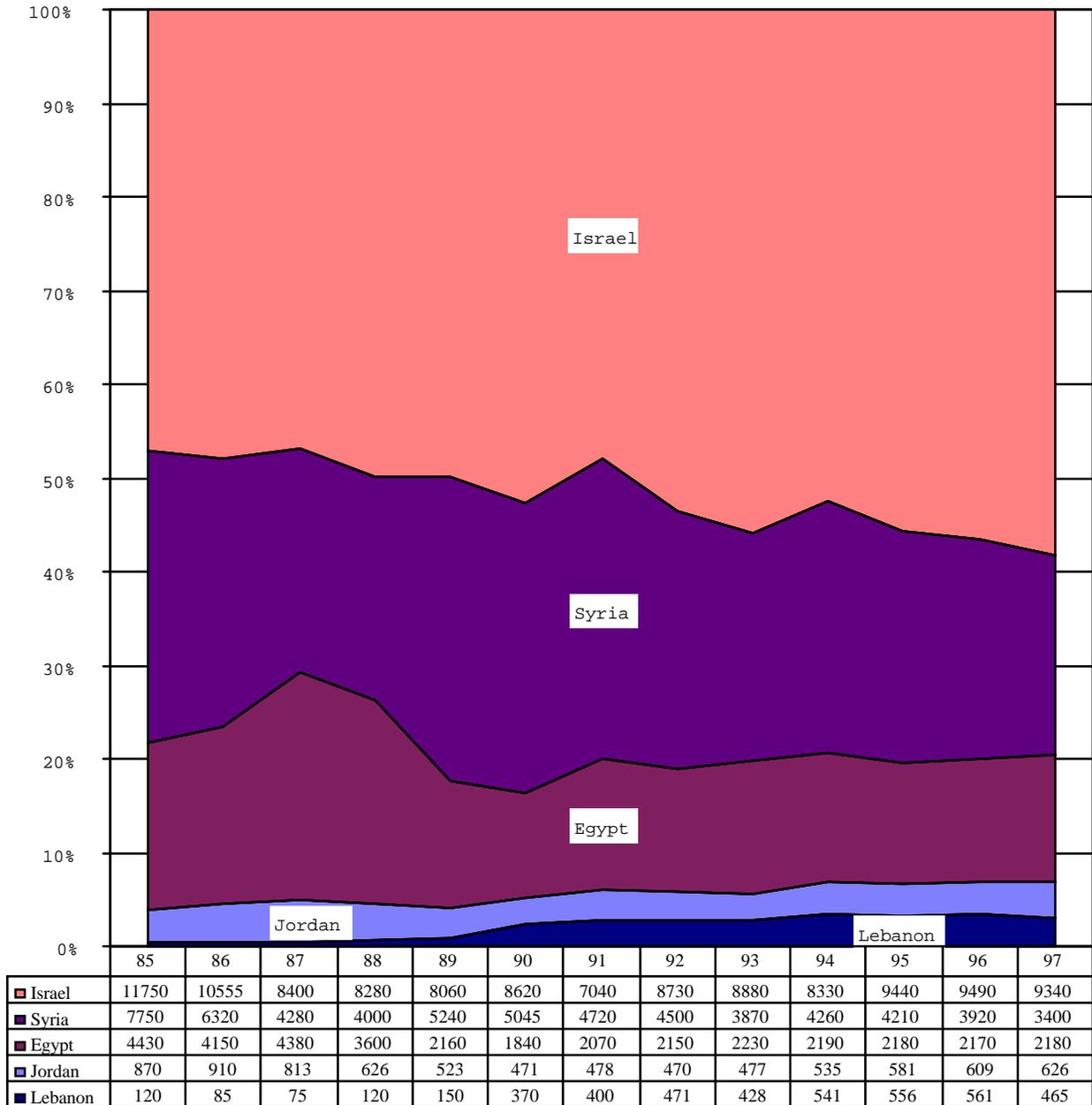
0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Adapted by Anthony H. Cordesman from Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

Figure 6.5

Cumulative Trends in Arab-Israeli Military Spending in Constant Dollars: The Decline in Arab Forces as a Share of Total Spending: 1985-1995

(In \$US 1997 Constant Millions)

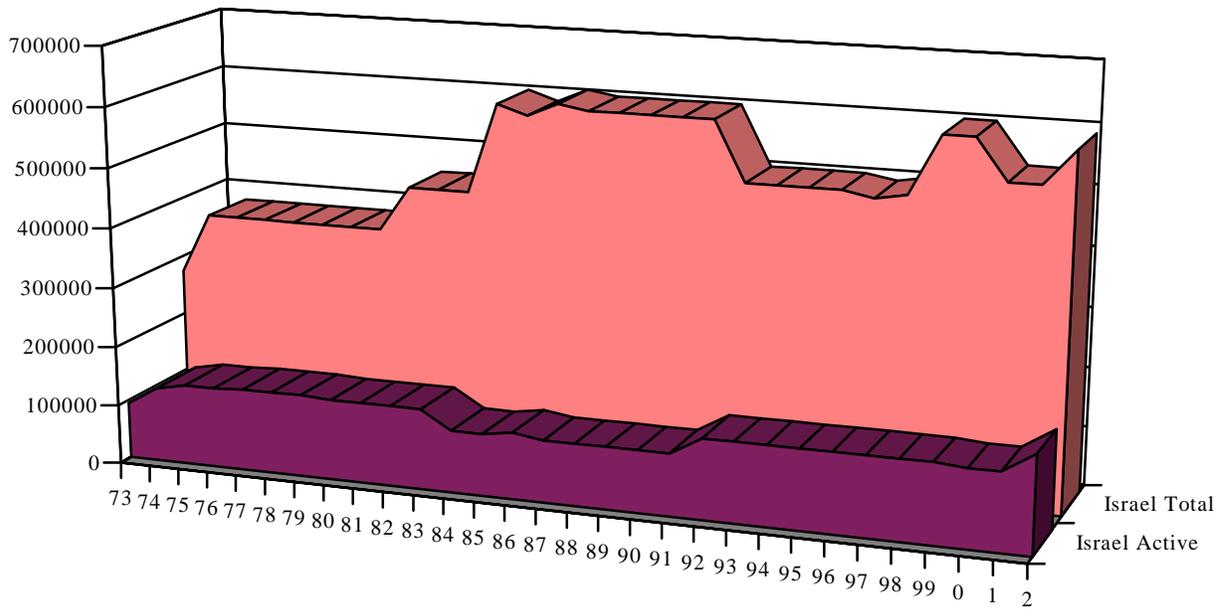


Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers, Washington, GPO, Table I, various editions.

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Figure 6.6

Israeli Active and Total (Active & Reserve) Army Manpower: 1973-2002
 (Men and Women in Uniform)



Source: Adapted by Anthony H. Cordesman from the IISS, Military Balance, various years. Some data adjusted or estimated by the author.

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Table 7.1Military and Paramilitary Strength of Key Palestinian Factions and The Hizbollah**Palestinian Authority**

35,000 Security and paramilitary pro-PLO forces enforcing security in Gaza and Jericho, including:

Public Security (14,000) – 6,000 in Gaza and 8,000 in West Bank

Civil police (10,000) – 4,000 in Gaza and 6,000 in West Bank

Preventive Security (3,000) – 1,200 in Gaza and 1,800 in West Bank

General Intelligence (3,000),

Presidential Security (3,000),

Military Intelligence (500), and

Additional forces in Coastal Police, Air Force, Customs and Excise Police Force, University Security Service, and Civil Defense.

Equipment includes 45 APCs, 1 Lockheed Jetstar, 2 Mi-8s, 2 Mi-17s, and roughly 40,000 small arms. These include automatic weapons and light machine guns. Israeli claims they include heavy automatic weapons, rocket launchers, anti-tank rocket launchers and guided weapons, and manportable anti-air missiles.

The PA wants 12,000 more security forces after further withdrawals. Israel has proposed some 2,000.

Pro PLO

Palestinian National Liberation Army (PNLA)/Al Fatah - 5,000-8,000 active and semi-active reserves that make up main pro-Arafat force, based in Algeria, Egypt, Iraq, Lebanon, Libya, Jordan, Sudan, Syria, and Yemen under the tight control of the host government.

Palestine Liberation Front (PLF) - Abu Abbas Faction - 300-400 men led by Al-Abbas, based in Syria.

Arab Liberation Front (ALF) - 300-400 men based in Lebanon and Iraq.

Democratic Front for the Liberation of Palestine (DFLP) - 400-600 men led by Naif Hawatmeh, which claims eight battalions, and is based in Syria, Lebanon, and elsewhere.

Popular Front for the Liberation of Palestine (PFLP) - 800 men led by George Habash, based in Syria, Lebanon, West Bank, and Gaza.

Palestine Popular Struggle Front (PSF) - 600-700 men led by Samir Ghawsha and Bahjat Abu Gharbiyah, based in Syria.

Anti-PLO

Palestinian Islamic Jihad (PIJ) - 350 men in various factions, led by Assad Bayud al-Tamimi, Fathi Shakaki, Ibrahim Odeh, Ahmad Muhana, and others, based in the West Bank and Gaza.

Hamas - military wing of about 300 men, based in the West Bank and Gaza.

As-Saiqa - 600-1,000 men in pro-Syrian force under Issam al-Qadi, based in Syria.

Fatah Revolutionary Council (FRC)/Abu Nidal Organization (ANO) - 300 men led by Abu Nidal (Sabri al-Bana), based in Lebanon, Syria, and Iraq.

Popular Front for the Liberation of Palestine - General Command (PFLP-GC) - 600 men led by Ahmad Jibril, based in Syria, Lebanon, elsewhere.

Popular Front for the Liberation of Palestine - Special Command (PFLP-SC) - 50-100 men led by Abu Muhammad (Salim Abu Salem).

Palestine Liberation Army (PLA) - 4,500 men, based in Syria.

Fatah Intifada – 400-1,000 men led by Said Musa Muragha (Abu Musa). Based in Syria and Lebanon.

Hizbollah (Party of God),

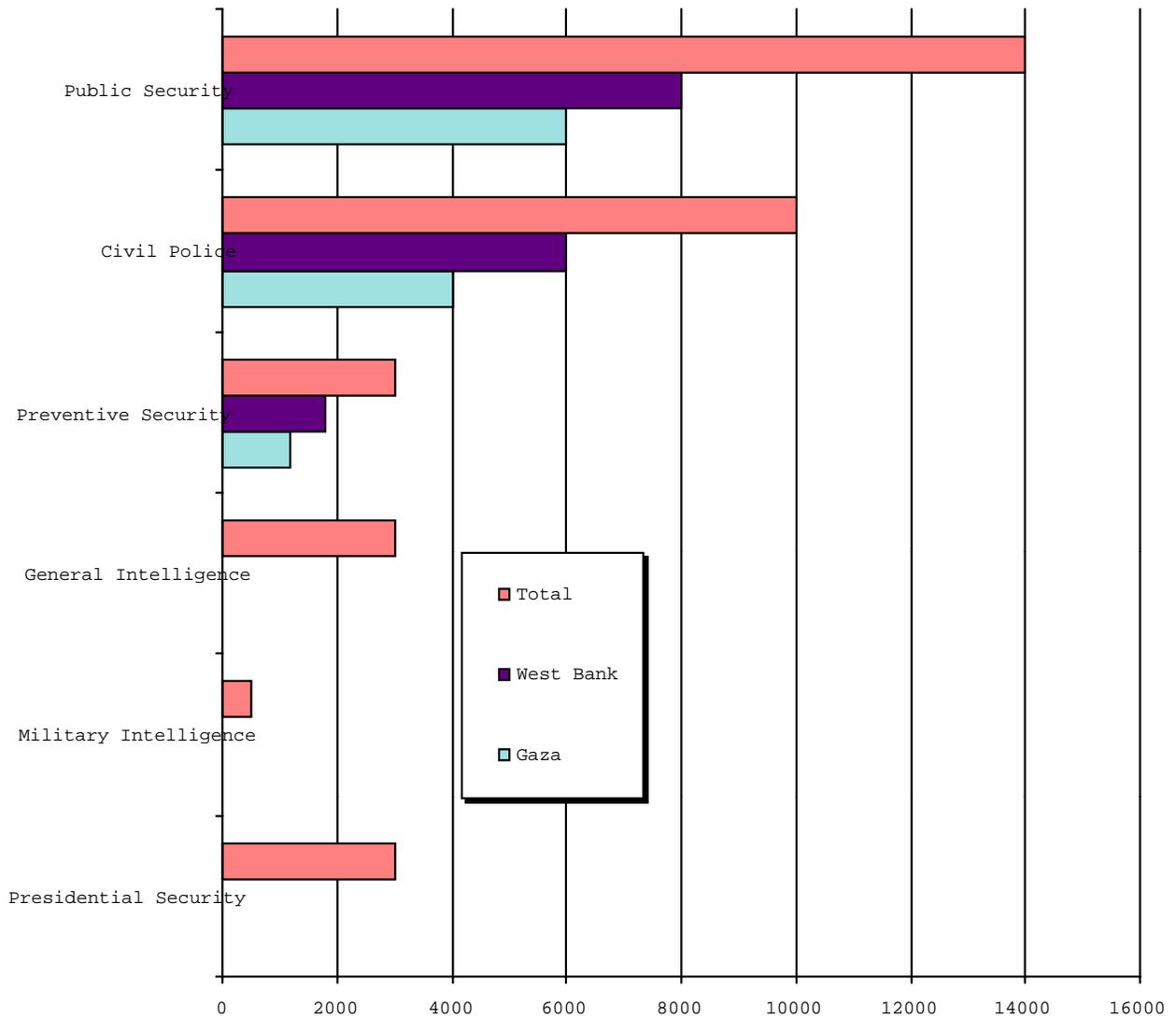
About 300-5000 actives with 3,000 men in support, Shi'ite fundamentalist, APCs, artillery, MRLs. ATGMs, rocket launchers, AA guns, SA-7s, AT-3 Sagers.

Source: Adapted from US Department of State, "Patterns of Global Terrorism, 1998," Washington, GPO, April 1999; IISS, Military Balance, 1998-1999 and 1999-2000.

Figure 7.1

Palestinian Authority Paramilitary Forces in 2000

(No meaningful estimates are possible after the beginning of the Second Intifada in September 2000)



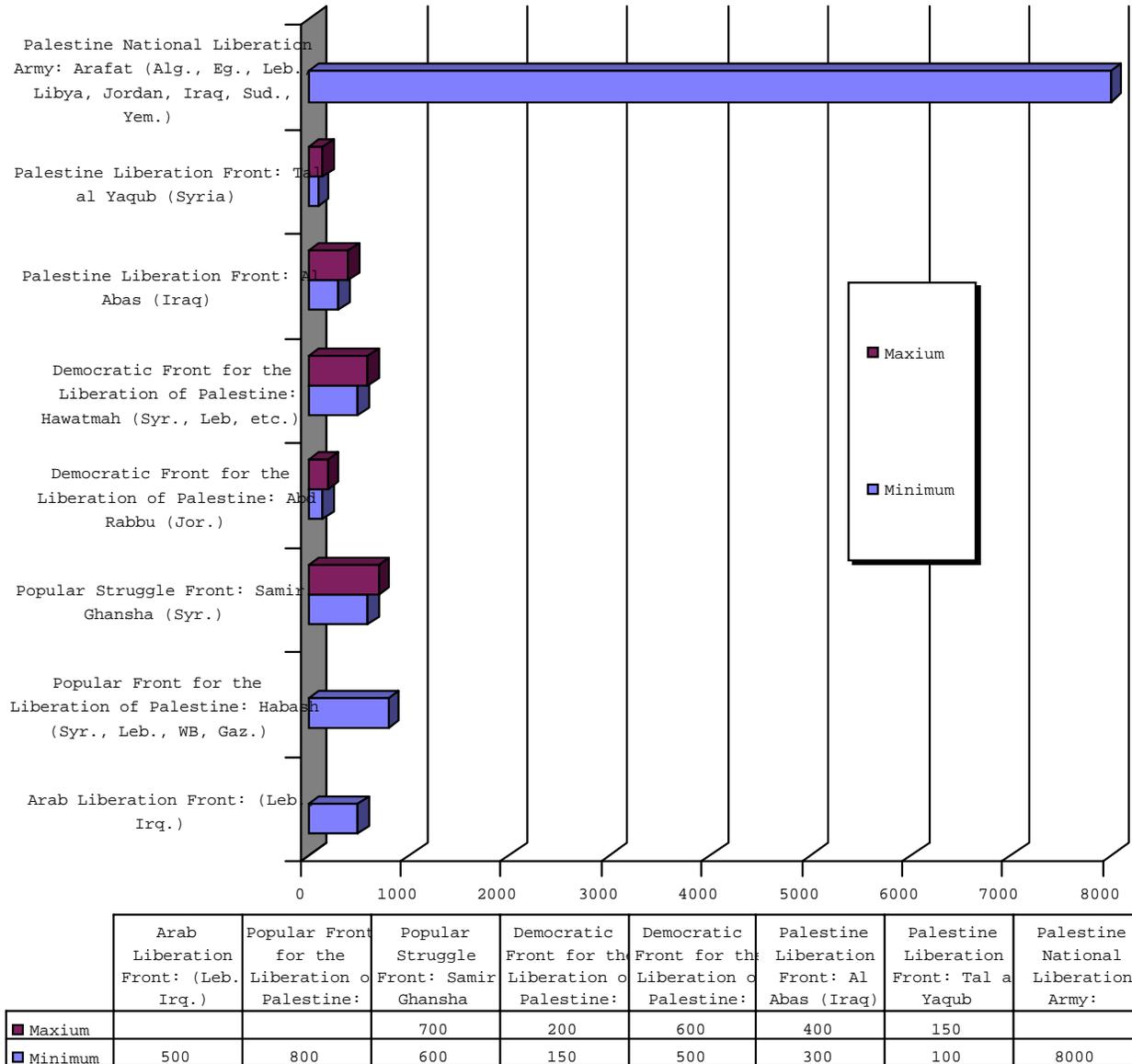
	Presidential Security	Military Intelligence	General Intelligence	Preventive Security	Civil Police	Public Security
Total	3000	500	3000	3000	10000	14000
West Bank	-	-	-	1800	6000	8000
Gaza	-	-	-	1200	4000	6000

Source: Prepared by Anthony H. Cordesman, based upon the IISS Military Balance and discussions with US and regional experts

Figure 7.2

Other Pro-PLO/Palestinian Authority Palestinian Paramilitary Forces in 2000

(No meaningful estimates are possible after the beginning of the Second Intifada in September 2000)



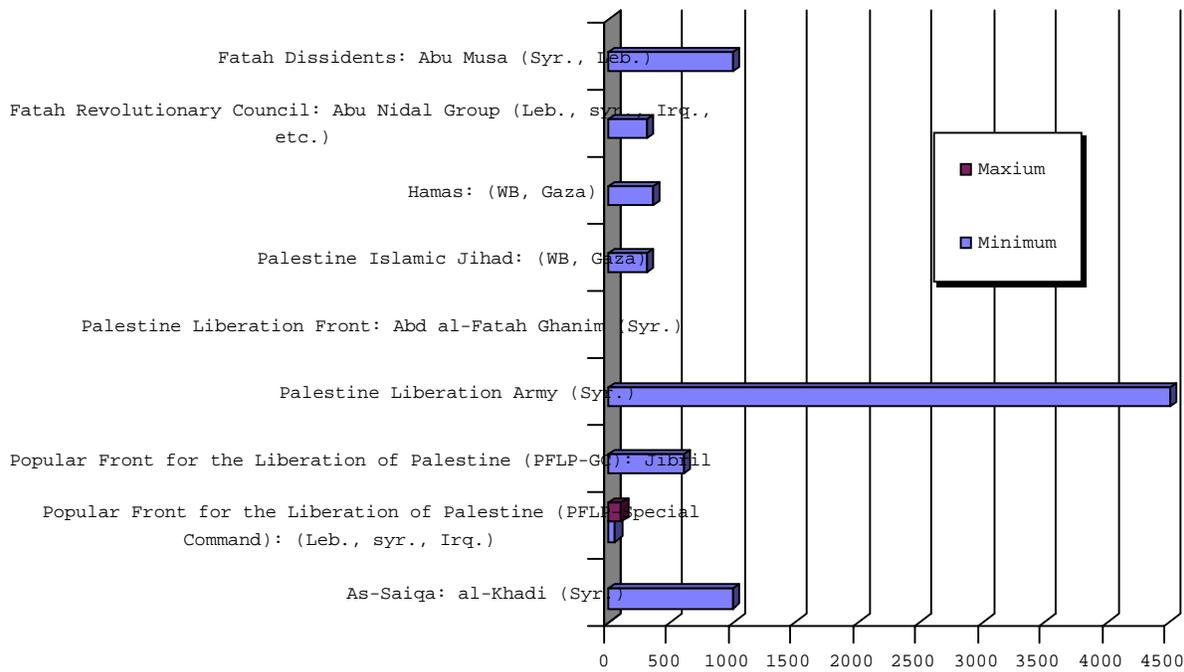
Source: Prepared by Anthony H. Cordesman, based upon the IISS Military Balance and discussions with US and regional experts

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Figure 7.3

Anti-PLO/Palestinian Authority Palestinian Paramilitary Forces in 2000

(No meaningful estimates are possible after the beginning of the Second Intifada in September 2000)



	As-Saiqa: al-Khadi (Syr.)	Popular Front for the Liberation of Palestine (PFLP-G)	Popular Front for the Liberation of Palestine (PFLP) Special Command	Palestine Liberation Army (Syr.)	Palestine Islamic Jihad: (WB, Gaza)	Hamas: (WB, Gaza)	Fatah Revolutionary Council: Abu Nidal (Syr., Leb.)	Fatah Dissidents: Abu Musa (Syr., Leb.)
■ Maxium		100						
■ Minimum	1000	50	600	4,500	300	350	300	1,000

Source: Prepared by Anthony H. Cordesman, based upon the IISS Military Balance and discussions with US and regional experts

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Map 7.1

The Gaza

Table 7.2CIA Profile of Gaza and West Bank - Part One

<u>Category</u>	<u>Gaza</u>	<u>West Bank</u>	<u>Israel</u>	<u>Jordan</u>
Total Area (sq. km)	360	5,860	20,770	92,300
Land Area (sq. km)	360	5,640	20,330	91,971
Land Boundaries (km)	62	404	1,006	1,619
Egypt	11	-	255	-
Gaza	-	-	51	-
Iraq	-	-	-	181
Israel	51	307	-	238
Jordan	-	97	238	-
Lebanon	-	-	79	-
Saudi Arabia	-	-	-	728
Syria	-	-	76	375
West Bank	-	-	307	97
Coastline (km)	40	0	273	26
Land Use (Percent)				
Arable	24	27	17	4
Permanent Crops	39	0	4	1
Meadows & Pastures	0	32	7	9
Forest & Woodland	11	1	6	1
Other	26	40	66	85
Irrigated (sq. km)	120	-	1,800	630
Population	1,178,119	2,090,713	5,938,093	5,153,378
(% 0-14 years)	50	45	27	38
(% 15-64 years)	47	52	63	59
(% 65+ years)	3	3	10	3
Growth Rate (%)	4.01	3.48	1.58	3
Birth Rate (per 1,000)	42.48	35.83	19.12	25.44
Fertility Rate (Per Woman)	6.42	4.9	2.57	3.29
Net Migration Rate (per 1,000)	1.8	3.29	2.85	7.18
Death Rate (per 1,000)	4.21	4.37	6.22	2.62
Infant Mortality (per 1,000)	25.37	21.78	7.72	20.36
Life Expectancy (yrs.)	71.01	72.28	78.71	77.53
Ethnic Divisions				
Arab	99.4	83	19.9	98
Armenian	-	-	-	1
Circassian	-	-	-	1
Jew	0.6	17	80.1	-
Religion				
Christian	0.7	8	2.1	6
Jew	0.6	17	80.1	-
Muslim	98.7	75	14.6	94
Other	-	-	3.2	-

Table 7.2

CIA Profile of Gaza and West Bank - Part Two

<u>Category</u>	<u>Gaza</u>	<u>West Bank</u>	<u>Israel</u>	<u>Jordan</u>
Literacy	-	-	95	86.6
Labor Force	-	-	2,300,000	1,150,000
Construction (%)	-	8.0	-	10.0
Agriculture (%)	13.0	13.0	2.6	7.4
Industry (%)	21.0	13.0	20.2	11.4
Commerce (%)	-	12.0	25.9	12.8
Other Services (%)	66.0	54.0	13.1	52.0
Public Services (%)	-	-	31.2	-
GDP (PPE in \$billion)	1.11	3.1	110.2	17.3
Real Growth Rate	7.5	7.5	5.9	2.0
GDP Per Capita (\$US)	1,000	1,500	18,900	3,500
Inflation Rate (%)	3	3	.1	.7
Unemployment Rate (%)	(40-----40)		9	20-30
Budget (\$B)				
Revenues	(1.6-----1.6)		40.0	2.8
Expenditures	(1.73-----1.73)		42.4	3.1
Trade (\$M)				
Exports	(682-----682)		31,500	2,000
Imports	(2,500-----2,500)		35,100	4,000
External Debt (\$M)	(108-----108)		38,000	8,000
Economic Aid (\$M)	(121-----121)		1,100+	850
Transportation				
Railroads (km)	0	0	647	677
Roads (km)	-	4,500	15,965	8,000
Paved (km)	-	2,700	15,965	8,000
Airports	2	3	55	18
Runways 1,500M+	-	1	11	1
Runways 3,000M+	1	1	2	13
Telephones	(95,729-----95,729)		2,800,000	403,000
Cellular	-	-	2,500,000	75,000
Televisions	-	-	1,690,000	500,000
Stations	-	-	17	20
Radios	-	-	3,070,000	1,660,000
AM Stations	-	-	23	6
FM Stations	-	-	15	5
Shortwave	-	-	2	1

* In addition, there are 171,000 Jewish settlers in the West Bank and 172,000 in East Jerusalem, and 6,500 in Gaza..

Source: Adapted from CIA Internet database for the World Factbook.

Table 7.3

Changes in Israeli Settlers in Gaza and the West Bank: 1992-1999
(Not including Israelis in annexed Jerusalem)

Growth of Settlements

	<u>West Bank</u>	<u>Gaza</u>	<u>Total</u>
January 1, 1992	97,800	3,410	101,210
June 1, 1996	145,000	5,500	150,500
June 1, 1998	163,173	6,166	169,339
July , 1999 (CIA)	166,000	6,000	172,000
Population Increase	65,373	2,756	68,129
Percentage Increase	67%	81%	67%
Number of settlements gaining population since 1992 (-1996?)	-	-	109
Number of settlements losing population since 1992 (-1996?)	-	-	13

The CIA estimated that in July 1999 there 216 Israeli settlements and land use sites in the West Bank, 42 in the Golan heights, 24 in the Gaza strip, and 29 in East Jerusalem. In addition to the settlers shown, there were 19,000 in the Golan and 176,000 in East Jerusalem.

Status of Occupancy

	Residential Units	Empty Units	Vacancy Rate in Percent
West Bank			
CIA Estimate	41,000	9,939	26
Israeli Central Bureau of Statistics	31,763	3,312	10.4
Gaza Strip			
CIA Estimate	2,300	1,300	56
Israeli Central Bureau of Statistics	1,847	754	41
Katfi Bloc Settler Council	1,500	340	22
Peace Now, Nov, 96	-	-	25
Golan Heights			
CIA Estimate	-	-	28
Golan Settler Council	-	-	6

Note: There are roughly 15,000 Israeli settlers in the Golan. Ariel Sharon called for an expansion of this total to 25,000 on September 26, 1996, and for building roughly 600 new dwelling units a year. The Likud government has indicated that Israel plans to increase the population of the settlements in the West Bank and Gaza by 50,000 over the next four years, and build 10,000 new dwelling units at a rate of 2,500 per year.

Source: Adapted from data developed by the Foundation for Middle East Peace and Ha'aretz. May 20, 1997 and May/June 1999. Some data adjusted or estimated by the author.

Table 7.4Status of Settlements in the Occupied Territories in 1994-2000

<u>Growth of Settlements</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997 - 1998</u>	<u>2000</u>
Settlement population beyond Green Line	290,00	301,000	313,000	-	-
Settlements beyond Green Line	250	250	300	-	-
Settlers in West Bank	121,000	127,600	136,000	161,000	171,000
Yearly increase in settlers in West Bank	9,400	3,500	6,000	-	-
Residential sites in West Bank	181	180	190	207	-
Israeli population in 20 neighborhoods of East Jerusalem	149,000	153,700	166,800	180,000	(172,000)
Yearly increase in Israelis in East Jerusalem	9,000	4,700	2,600	-	-
Israeli population in 20 neighborhoods of Gaza Strip	4,800	5,000	5,000	6,000	6,500
Yearly increase in Israelis in Gaza Strip	300	200	0	-	-
Settlers in Golan Heights	14,700	14,800	15,000	17,000	20,000
Yearly increase in settlers in Golan	700	100	200	-	-
Settlements in Golan	36	34	36	42	-
Israeli settlers as percent of total population in the Occupied Territories	12	11	13	-	-
Unoccupied housing units in existing Israeli settlements	15,000	15,600	17,000	-	-
Housing starts in settlements beyond the Green Line	3,700	4,100	3,100	-	-
Housing completions in settlements beyond the Green Line	2,600	3,800	3,500	-	-

Source: Adapted from statistical Yearbook, Jerusalem, 1996; US reports to Congress on the status of the disbursement of loan guarantees to Israel, Foundation for Middle East Peace, and CIA World Factbook.

Table 8.1The Syrian-Israeli Balance in 2002 - Part One

<u>Category/Weapon</u>	<u>Israel</u>	<u>Syria</u>
<u>Defense Budget</u> (In 2000, \$Current Billions)	\$9.0	\$.838
<u>Arms Imports: 1996-1999 (\$M)</u>		
New Orders	4,500	500
Deliveries	4,500	300
<u>Mobilization Base</u>		
Men Ages 13-17	284,000	1,076,000
Men Ages 18-22	272,000	883,000
<u>Manpower</u>		
Total Active	163,500	321,000
(Conscript)	107,500	-
Total Reserve	425,000	354,000
Total	588,500	675,000
Paramilitary	8,050	108,000
<u>Land Forces</u>		
Active Manpower	120,000	215,000
(Conscripts)	85,000	-
Reserve Manpower	400,000	280,000
Total Active & Reserve Manpower	520,000	495,000
Main Battle Tanks	3,930	4,700 (1200)
AIFVs/Armored Cars/Lt. Tanks	408	3,185
APCs/Recce/Scouts	5,900	2,450
WWII Half-Tracks	500(3,500)	0
ATGM Launchers	1,325	3,390+
SP Artillery	855	450
Towed Artillery	520	1,630
MRLs	198	480
Mortars	6,470	4,500+
SSM Launchers	20	68
AA Guns	850	2,060
Lt. SAM Launchers	1,298	4,055

Table 13.1The Syrian-Israeli Balance in 2002: Part Two

<u>Category/Weapon</u>	<u>Israel</u>	<u>Syria</u>
<u>Air & Air Defense Forces</u>		
Active Air Force Manpower	37,000	40,000
Active Air Defense Command	0	60,000
Air Force Reserve Manpower	20,000	70,000
Air Defense Command Reserve Manpower	0	-
<u>Aircraft</u>		
Total Fighter/FGA/Recce	446(250)	589
Fighter	0	319
FGA/Fighter	405	0
FGA	25	154
Recce	10	14
Airborne Early Warning (AEW)	6	0
Electronic Warfare (EW)	37	10
Fixed Wing	37	0
Helicopter	0	10
Maritime Reconnaissance (MR)	3	0
Combat Capable Trainer	26	111
Tanker	3	0
Transport	39	25
<u>Helicopters</u>		
Attack/Armed	133	87
SAR/ASW	6	-
Transport & Other	160	110
Total	299	197
<u>SAM Forces</u>		
Batteries	29	150
Heavy Launchers	79	848
Medium Launchers	0	60
AA Guns	0	4,000
<u>Naval Forces</u>		
Active Manpower	6,500	6,000
Reserve Manpower	5,000	4,000
Total Manpower	11,500	10,000
Naval Commandos/Marines	300	0
Submarines	3	0
Destroyers/Frigates/Corvettes	3	2
Missile	3	2
Other	0	4
Missile Patrol	10	10
Coastal/Inshore Patrol	34	8
Mine	0	5
Amphibious Ships	1	3
Landing Craft/Light Support	4	5
Fixed-wing Combat Aircraft	0	0
MR/MPA	0	0
ASW/Combat Helicopter	0	16
Other Helicopters	-	-

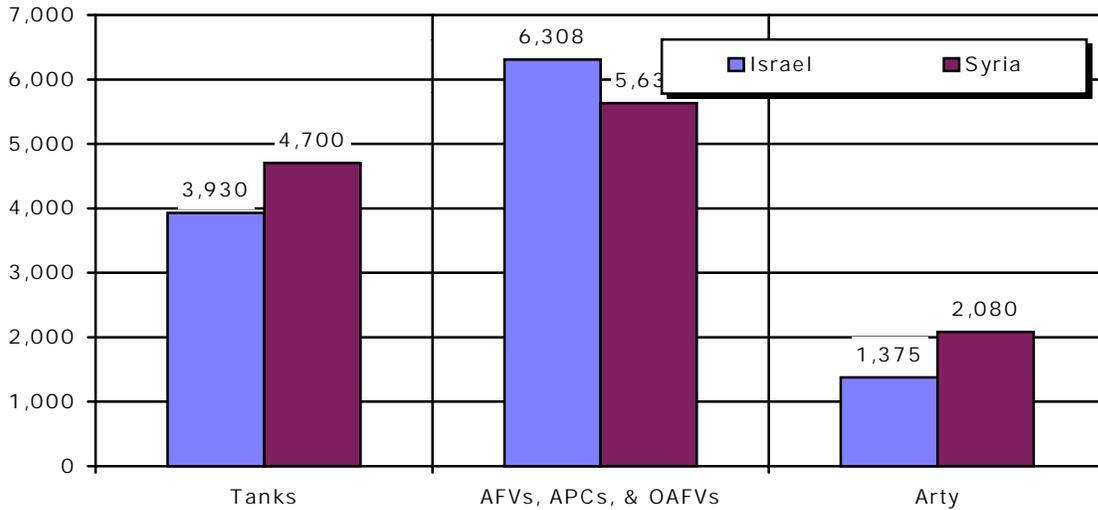
Note: Figures in parenthesis show additional equipment known to be in long-term storage. Some Syrian tanks shown in parenthesis are used as fire points in fixed positions.

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

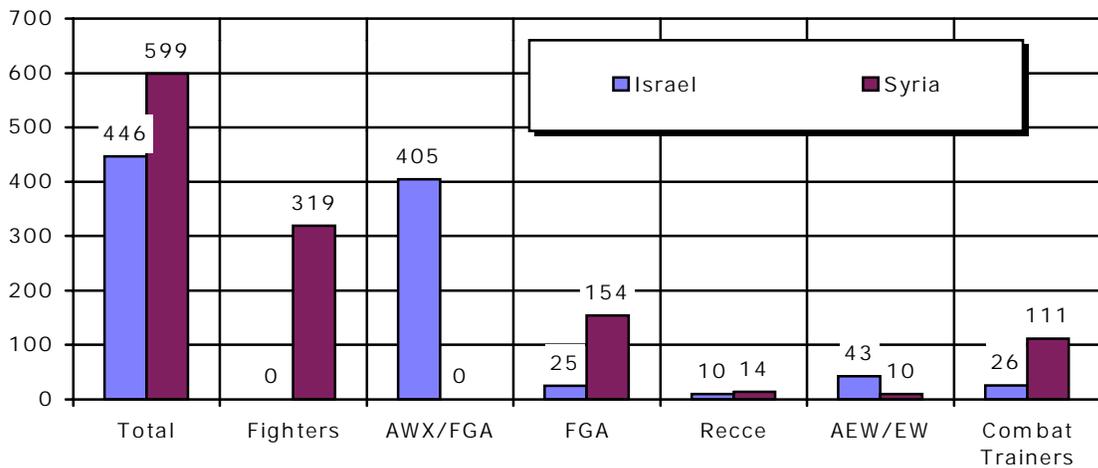
Figure 8.1

Israeli Versus Syrian Operational Force Strength in 2002

Land Weapons



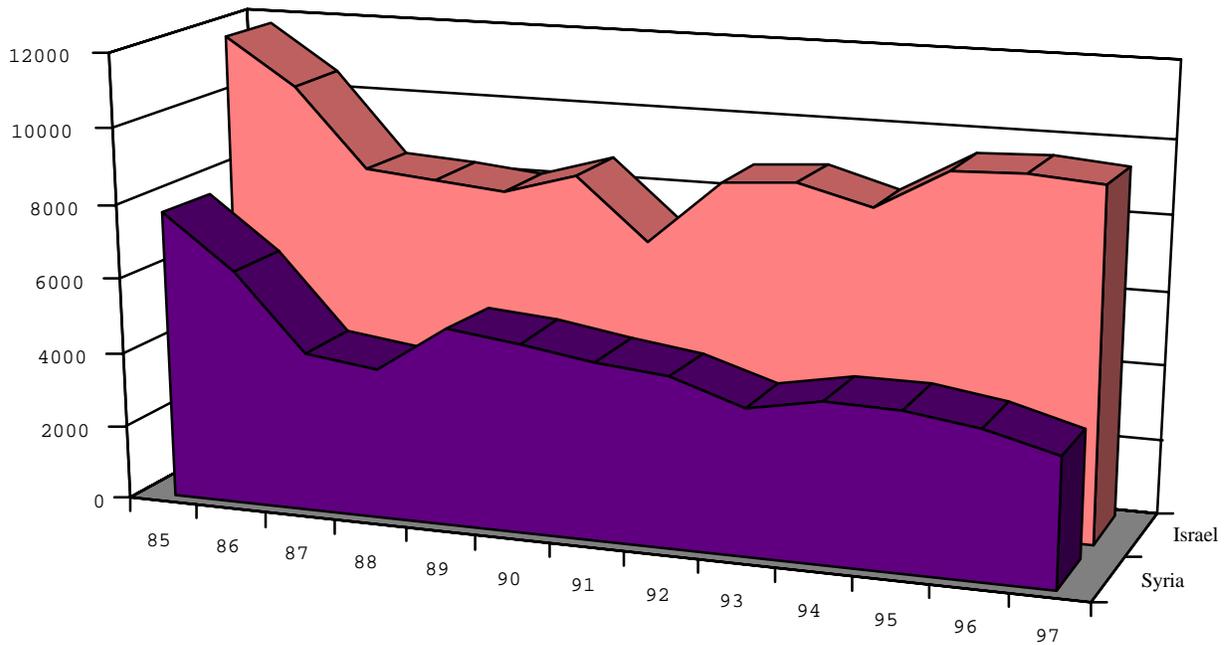
Air Forces



Note: Total Artillery includes towed and self-propelled tube artillery and multiple rocket launchers. Total air forces include only operational fixed wing fighter, fighter-attack, and reconnaissance aircraft in combat units, less aircraft in combat training units.
 Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance.

Figure 8.2

Trends in Syrian-Israeli Military Spending: 1985-1997
(In \$US 1997 Constant Millions)



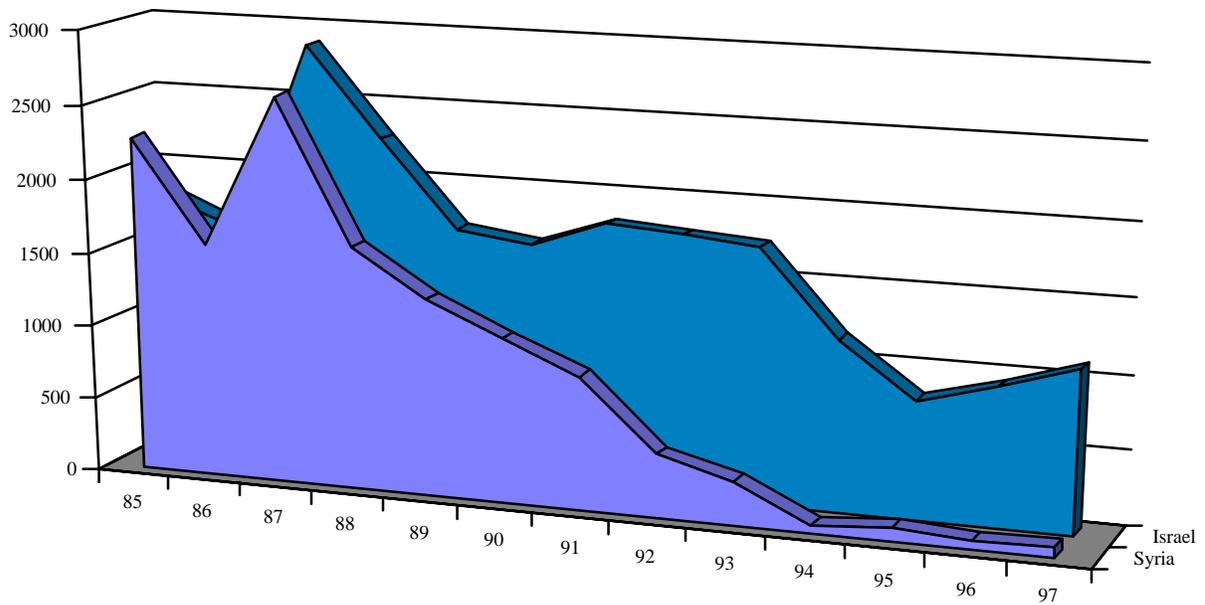
	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Syria	7750	6320	4280	4000	5240	5045	4720	4500	3870	4260	4210	3920	3400
■ Israel	11750	10555	8400	8280	8060	8620	7040	8730	8880	8330	9440	9490	9340

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers, Washington, GPO, Table I, various editions.

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Figure 8.3

Annual Trends in Syrian Israeli Arms Deliveries: 1985-1997
(\$97 Constant Millions)



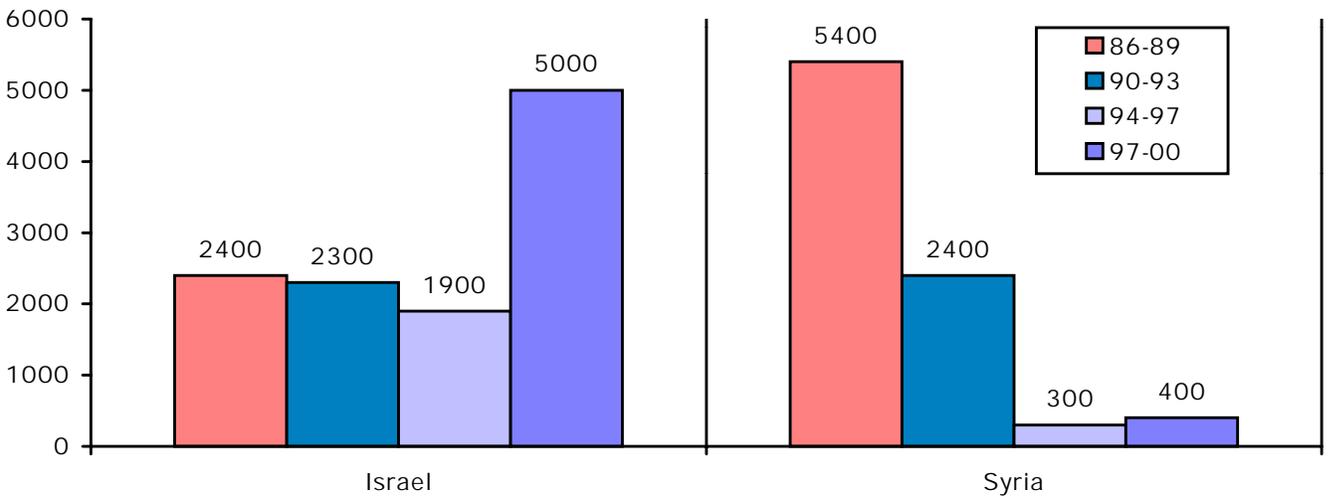
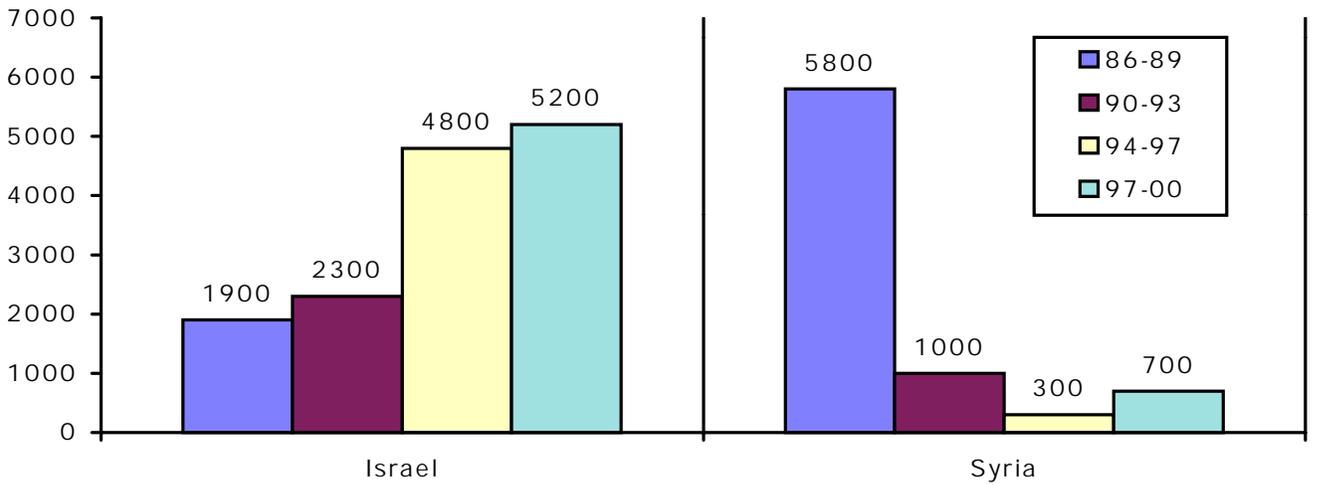
	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Syria	2278	1585	2613	1643	1339	1113	906	432	302	53	93	61	70
■ Israel	1785	1585	2874	2275	1704	1640	1812	1774	1728	1163	802	940	1100

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

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Figure 8.4

Syrian-Israeli Arms Agreements and Deliveries: 1986-2000
(\$Current Millions)



Source: Adapted by Anthony H. Cordesman, CSIS, from Richard F. Grimmett, Conventional Arms Transfers to Developing Nations, Washington, Congressional Research Service, various editions.

Table 8.2Force Trends in Syria - Part One

<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2002</u>
<u>Manpower</u>						
Total Active (Conscript)	247,500	402,500	404,000	423,000	320,000	321,000
Total Reserve	-	273,500	400,000	650,000	500,000	354,000
Total	-	676,000	804,000	1,073,000	820,000	675,000
Paramilitary	9,500	6,300	10,800	8,000+	8,000+	108,000
<u>Land Forces</u>						
Active Regular Manpower (Conscripts)	200,000 (140,000)	270,000 (135,000)	300,000 (130,000)	315,000 (250,000)	215,000	215,000
Republican Guards	-	-	10,000	-	-	-
Reserve Manpower	-	270,000	392,000	550,000	400,000	280,000
Total Reserve & Active Manpower	-	540,000	702,000	865,000	615,000	495,000
Main Battle Tanks (Static & in Storage)	2,920	4,200	2,900 (1,100)	3,200 (1,200)	3,450 (1,200)	4,700 (1,200)
AIFVs/Armored Cars/Lt. Tanks	700	1,400	2,800	3,310	3,010	3,185
APCs/Recce/Scouts	1,600	1,600	1,500	1,500	1,500	2,450
WWII Half-Tracks	0	0	0	0	0	0
ATGM Launchers	-	-	1,100	3,390	3,390	3,390
SP Artillery	800*	-	186	450	450	450
Towed Artillery	*	-	2,000	1,630	1,630	1,630
MRLs	-	-	250	480	480	480
Mortars	-	-	-	658+	4,500+	4,500+
SSM Launchers	-	54	54	61	62	68
AA Guns	-	1,000	1,700	2,060	2,060	2,060
Lt. SAM Launchers	-	-	-	4,055	4,055	4,055
<u>Air & Air Defense Forces</u>						
Active Air Force Manpower	45,000	70,000	40,000	40,000	40,000	40,000
Air Force Reserve Manpower	-	-	-	92,000	92,000	60,000
Active Air Defense Command	(15,000)	60,000	60,000	60,000	60,000	70,000
Air Defense Command Reserve	-	-	-	-	-	-

* Includes all types of towed and self-propelled artillery, but not multiple rocket launchers.

Table 8.2Force Trends in Syria - Part Two

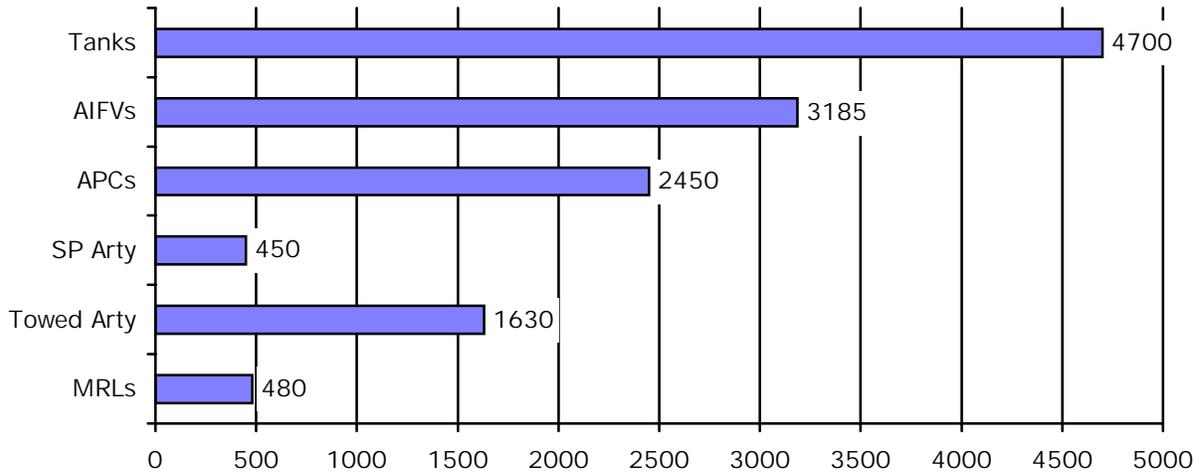
<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2002</u>
<u>Air & Air Defense Forces (Continued)</u>						
<u>Aircraft</u>						
Total Fighter/FGA/Recce	395	500	558	579	589	589
Bombers	0	0	0	0	0	0
Fighter	225	280	312	300	310	319
FGA/Fighter	60	0	0	9	0	0
FGA	110	193	170	154	154	154
Recce	0	10	6	14	14	14
Airborne Early Warning (AEW)	0	0	0	0	0	0
Electronic Warfare (EW)	0	-	8	10	10	10
(Fixed Wing)						0
(Helicopter)						10
Maritime Reconnaissance (MR)	0	0	0	0	0	0
Combat Capable Trainer	20	10-60	76-96	111	111	111
Tanker	0	0	0	0	0	0
Transport	17	23	28	34	49	25
<u>Helicopters</u>						
Attack/Armed	0	100	100	100	72	87
ASW/SAR	35	23	25	0	0	0
Transport & Other	82	160	155	118	110	110
Total	117	283	280	218	182	197
<u>SAM Forces</u>						
Batteries	75	126	126	130	130	150
Heavy Launchers	-	658	640	728	728	848
Medium Launchers	-	-	60	60	60	60
AA Guns	-	-	-	-	-	-
<u>Naval Forces</u>						
Active Manpower	2,500	2,500	6,000	8,000	6,000	6,000
Reserve Manpower	-	2,500	8,000	8,000	4,000	4,000
Total Manpower	-	5,000	14,000	16,000	10,000	10,000
Submarines	0	0	3	3(2)	0(3)	0(3)
Destroyers/Frigates/Corvettes	0	0	2	2	2	2
Missile	2	2	2	2	2	2
Other	0	0	0	0	0	4
Missile Patrol	18	22	12	18	10	10
Coastal/Inshore Patrol	9	7	8	11	8	8
Mine	3	4	9	7	5	5
Amphibious Ships	-	2	3	3	3	3
Landing Craft/Light Support	-	-	-	-	5	5
Fixed Wing Combat Aircraft	0	0	0	0	0	0
MR/MPA	0	0	0	0	0	0
ASW/Combat Helicopter	-	-	17	29	24	16
Other Helicopters	-	-	-	-	-	-

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

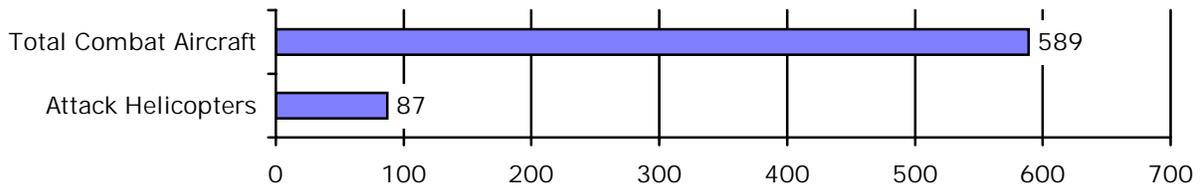
Figure 8.5

Syrian Major Military Equipment in 2002

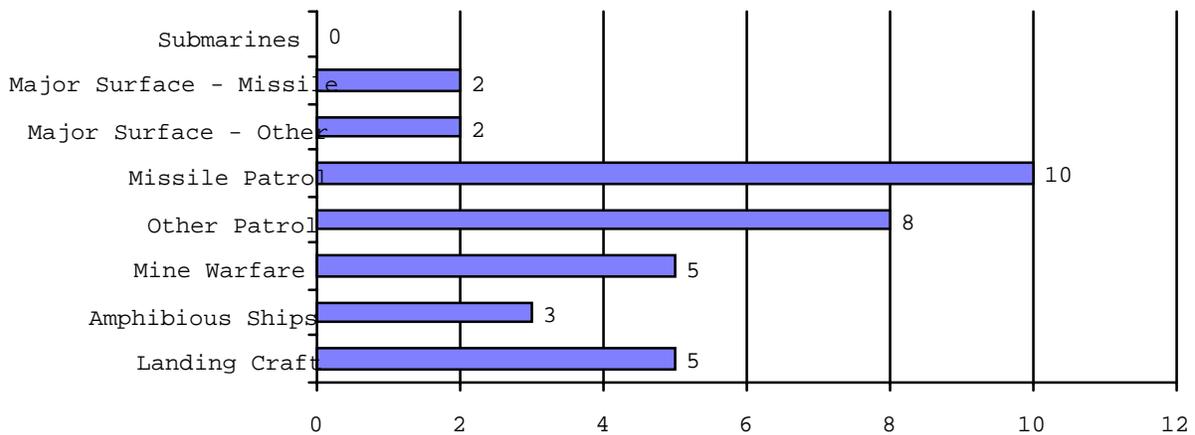
Land Forces



Air Forces



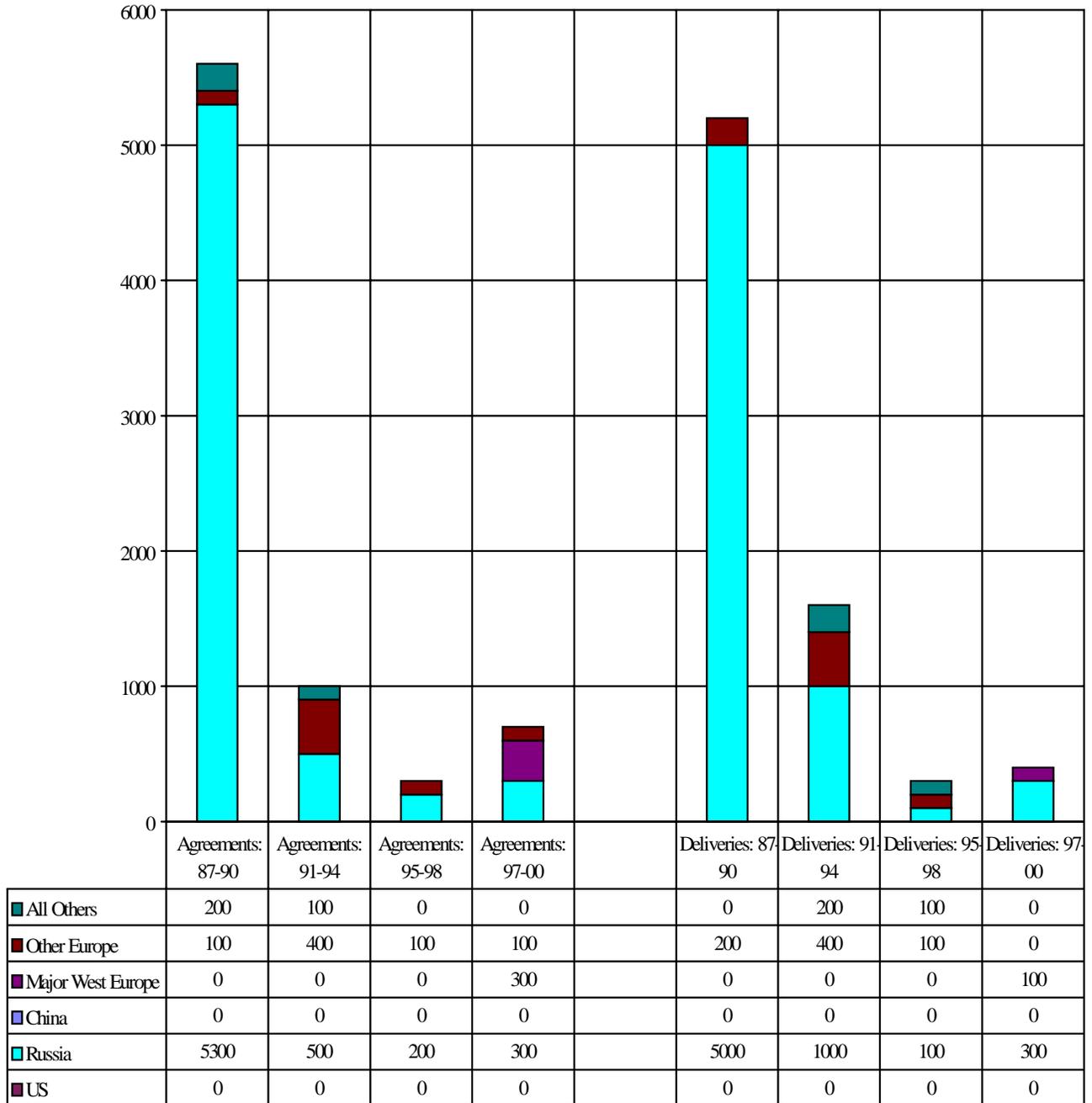
Naval Forces



Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

Figure 8.6

Syrian Arms Agreements and Deliveries By Major Supplier: 1987-2000
(\$Current Millions)



Total 5,600 1000 300 700 5200 1600 300 400

Includes Gulf states, Arab-Israeli states, North Africa, and Yemen

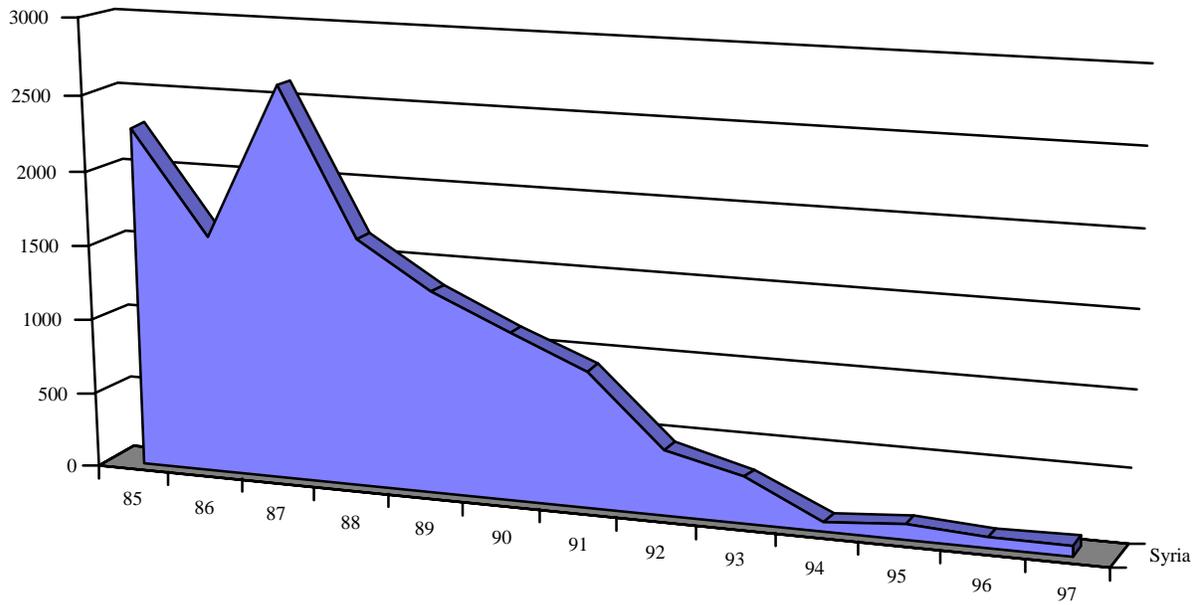
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0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

Figure 8.7

The Syrian Recapitalization Crisis: Arms Deliveries During 1985-1996
 (\$97 Constant Millions)



	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Syria	2278	1585	2613	1643	1339	1113	906	432	302	53	93	61	70

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

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Table 9.1Current Status of Lebanese Military Forces

- Lebanese army is fragmented along sectarian lines and has been largely confined to an internal security role with the support of 25,000-35,000 Syrian troops.
- Heavily influenced by Syria. Syrian military intelligence is believed to have many active agents in Lebanese forces and Lebanese military intelligence.
- Total strength of roughly 67,900
- Army has 65,000 actives authorized, 11 infantry brigades, 1 Presidential Guard Brigade, 1 commando/ranger regiment, 3 special forces regiments, 2 artillery regiments, and 1 air assault regiment.
- Equipment readiness and sustainability is improving, but is still poor. Standardization and spare parts situation very poor.
- Main Battle Tanks: 92 M-48A1/A5, 212 T-54/T-55.
- Other Armored Fighting Vehicles: 67 AML-90.
- Armored Personnel Carriers: 1,164 M-113s, 80 VAB-VCI, 30 VAB-VTT, 35 Panhard M3/VTT.
- Towed Artillery: 135 M-101A & 10 M-102 105mm; 33 M-1938, 10 D-30 122mm; 11 M-46, 130mm; 18 M-114A1, 35 M-198, 18 M-50 155mm
- Multiple Rocket Launchers: 23 BM-21 122mm.
- Mortars: 150 81mm; 130 120mm.
- Anti-tank Weapons: ENTAC, Milan, and 20 BGM-71 TOW ATGMs; RPG-7s, M-65 89mm rocket launchers; M-40A1 106mm recoilless rifles.
- Air Force has some 1,700 actives. Has no real fixed wing combat capability. Limited fair-weather helicopter capability with limited survivability, firepower, and tactical skill.
- Fighters: 3 Bulldog Trainers.
- Attack Helicopters: 4 SA-342 with AS-11 and AS-12 air-to-surface anti-armor missiles in inventory, evidently no longer active.
- Other Helicopters: 16 UH-1H. Operational status of 5 AB-212, 16 AB-205, 3 SA-330, 2 SA-318, and 4 SA-319 unclear.
- Training Aircraft: 3 CM-170, 3 Bulldog
- Transports: 1 Dove, 1 Turbo-Commander 690A.
- Navy has some 1,200 personnel. Is largely ineffective except in light patrol role against smugglers and guerrillas.
- Bases at Juniye, Beirut, and Tripoli.
- Combat Ships: 5 UK-made *Attacker* in-shore patrol craft; 2 UK-made *Tracker* in-shore patrol craft; 27-armed boats.
- Amphibious: 2 Sour-class LCTs, capable of carrying 33 troops each.
- Ministry of Interior security force has 13,000 men. Includes Beirut and regional Gendarmerie and Judicial Police. Equipped with small arms, automatic weapons, and 30 Chamite APCs.

- Customs: Equipped with 2 *Tracker* and 5 *Aztec* in-shore patrol craft.

Table 9.2Force Trends in Lebanon - Part One

<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Manpower</u>							
Total Active	23,000	17,400	21,000	44,300	67,900	63,750	71,830
(Conscript)	-	-	-	-	(27,400)	(22,600)	(22,600)
Total Reserve	-	-	-	-	-	-	-
Total	-	17,400	21,000	44,300	67,500	63,750	71,830
Paramilitary	-	13,000	8,000	13,000	13,000	13,000	13,000
<u>Land Forces</u>							
Active Manpower	22,250	16,000	21,000	43,000	65,000	60,670	70,000
(Conscripts)	-	-	-	-	-	22,600	22,600
Reserve Manpower	-	-	-	-	-	-	-
Total Reserve & Active Manpower	22,250	16,000	21,000	43,000	65,000	60,670	70,000
Main Battle Tanks	0	50	200	300	304	327	327
(Fixed & in Storage)	-	-	-	-	-	-	-
AIFVs/Armored Cars/Lt. Tanks	17	150	102	175	67	125	125
APCs/Recce/Scouts	80	420	340	740	1,285	1,388	1,388
WWII Half-Tracks	0	0	0	0	0	0	0
ATGM Launchers	-	-	-	200	250	250	250
SP Artillery	0	0	0	0	0	0	0
Towed Artillery	28	125	111	200	151	151	151
MRLs	0	0	-	30	23	23	23
Mortars-	-	200+	120+	280+	280+	377	377
SSM Launchers	0	0	0	0	0	0	0
AA Guns	-	-	-	-	220	220	220
Lt. SAM Launchers	-	-	-	-	-	-	-

Table 9.2Force Trends in Lebanon -Part Two

<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Air & Air Defense Forces</u>							
Active Manpower	500	1,100	800	800	1,700	1,700	1,000
Reserve Manpower	-	-	-	-	-	-	-
<u>Aircraft</u>							
Total Fighter/FGA/Recce	7	7	3	3	(16)	(16)	(16)
Fighter	(9)	0	0	0	0	0	0
FGA/Fighter	0	0	0	0	0	0	0
FGA	7	7	3	3	0	0	0
Recce	0	0	0	0	0	0	0
Airborne Early Warning (AEW)	0	0	0	0	0	0	0
Electronic Warfare (EW)	0	0	0	0	0	0	0
Maritime Reconnaissance (MR)	0	0	0	0	0	0	0
Combat Capable Trainer	0	0	0	0	3	3	3
Tanker	0	0	0	0	0	0	0
Transport	2	2	2	2	2	2	2
<u>Helicopters</u>							
Attack/Armed	4	4	1	4	0	0	0
ASW/SAR	0	0	0	0	0	0	0
Transport & Other	17	28	15	46	16	30	30
Total	21	32	16	50	16	30	30
<u>SAM Forces</u>							
Batteries	0	0	0	0	0	0	0
Heavy Launchers	0	0	0	0	0	0	0
Medium Launchers	0	0	0	0	0	0	0
<u>Naval Forces</u>							
Active Manpower	250	300	-	500	1,200	1,200	1,200
Reserve Manpower	0	0	-	0	0	0	0
Total Manpower	250	300	-	500	1,200	1,200	1,200
Submarines	0	0	-	0	0	0	0
Destroyers/Frigates/Corvettes	0	0	-	0	0	0	0
Missile	0	0	-	0	0	0	0
Other	0	0	-	0	0	0	0
Missile Patrol	0	0	-	0	0	0	0
Coastal/Inshore Patrol	6	4	-	9	7	7	7
Mine	0	0	-	0	0	0	0
Amphibious Ships	0	0	-	0	0	0	0
Landing Craft/Light Support	1	1	-	2	2	2	2
Fixed Wing Combat Aircraft	0	0	-	0	0	0	0
MR/MPA	0	0	-	0	0	0	0
ASW/Combat Helicopter	0	0	-	0	0	0	0
Other Helicopters	0	0	-	0	0	0	0

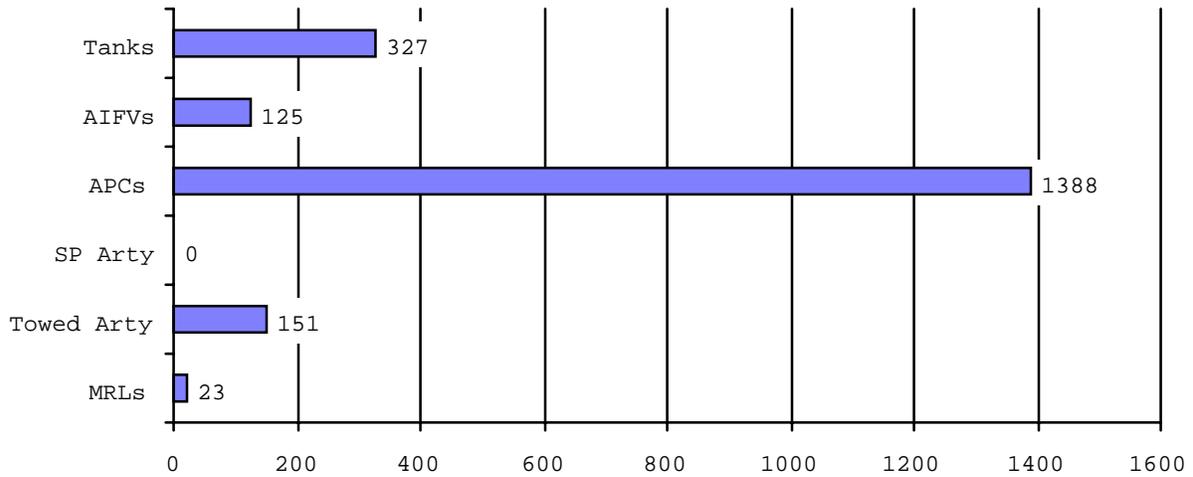
Note: Lebanese combat aircraft shown in parenthesis are in storage or are for sale.

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

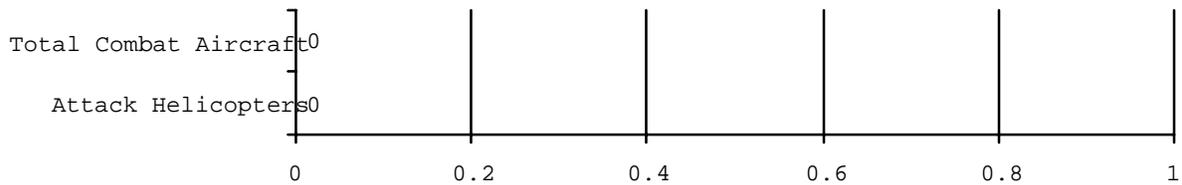
Figure 9.1

Lebanese Major Military Equipment in 2002

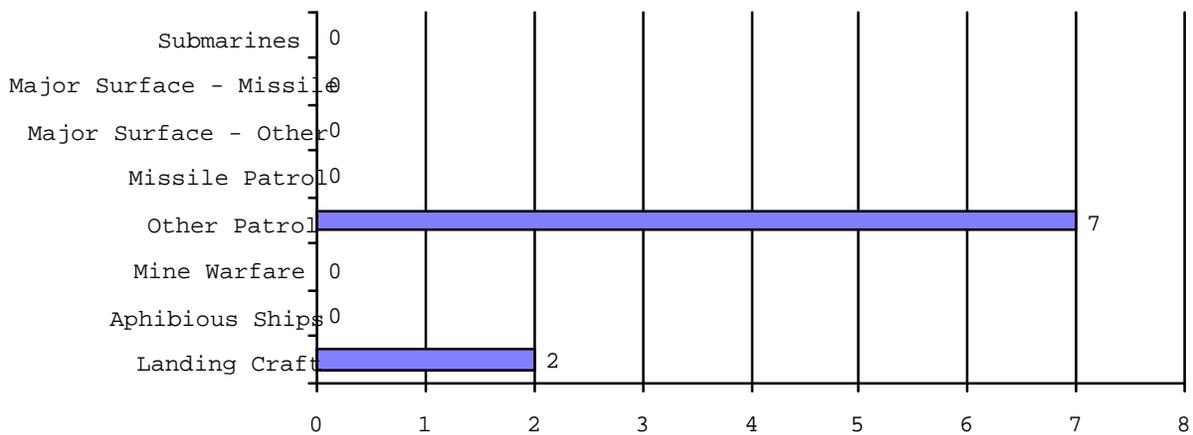
Land Forces



Air Forces



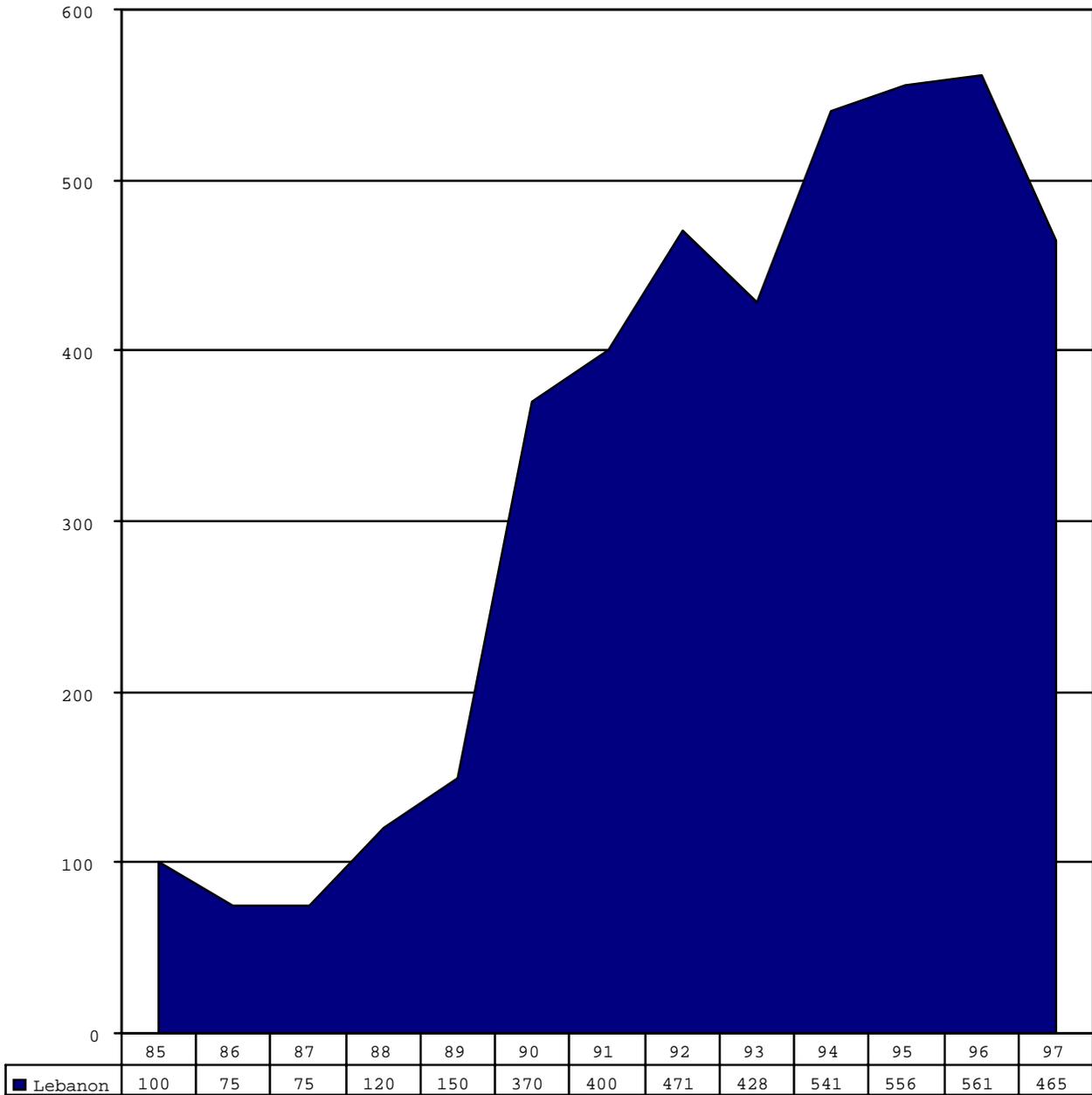
Naval Forces



Source: Adapted by Anthony H. Cordesman from data provided by US and regional experts, and the IISS, Military Balance

Figure 9.2

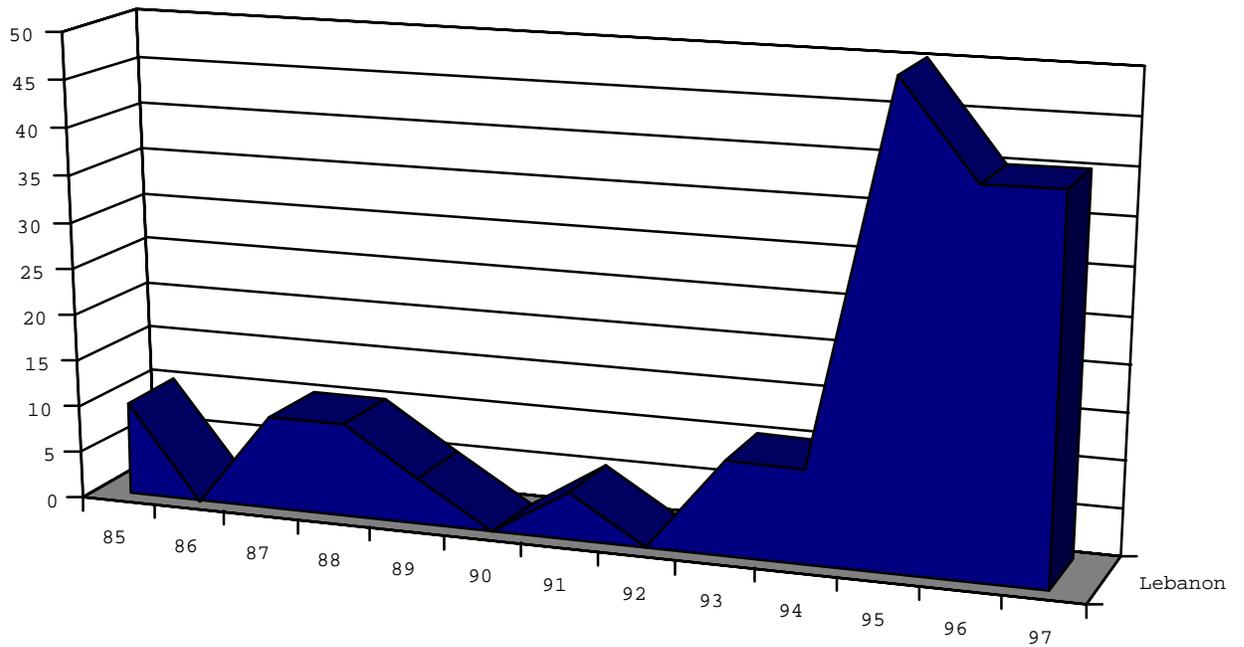
Trends in Lebanese Military Spending: 1986-1997
(In Constant 1997 \$US Millions)



Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers, various editions, Table I.

Figure 9.3

Trends in Lebanese Arms Import Deliveries: 1985-1997
(In Constant 1997 \$US Millions)



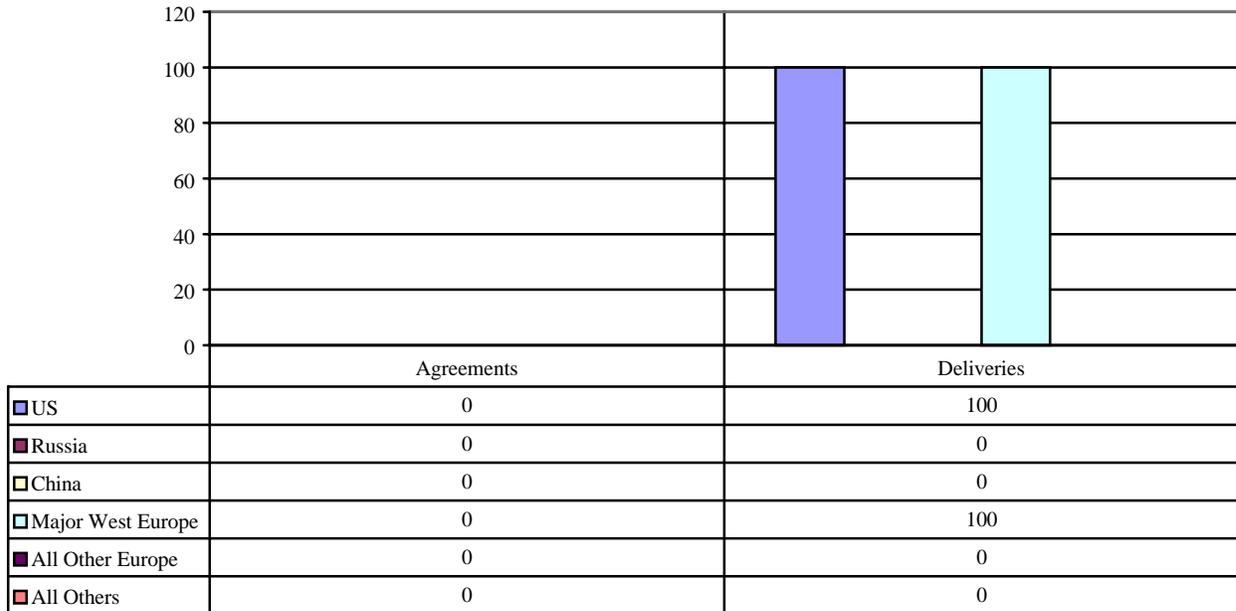
	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Lebanon	10	7,5	10	10	5	0	5	0	10	10	50	40	40

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers, 1995," Washington, GPO, 1996, Table II.

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Figure 9.4

Lebanese Arms Agreements and Deliveries By Major Supplier: 1997-2000
(In \$US Current Millions)



Source: Adapted by Anthony H. Cordesman from Richard F. Grimmett, "Conventional Arms Transfers to Developing Nations, 1992-1999" Washington, Congressional Research Service, RL30640, August 18, 2000.

Table 10.1The Jordanian-Israeli Balance in 2002 - Part One

<u>Category/Weapon</u>	<u>Israel</u>	<u>Jordan</u>
<u>Defense Budget</u> (In 2000, \$Current Billions)	\$9.0	\$0.499
<u>Arms Imports: 1996-1999 (\$M)</u>		
New Orders	4,500	800
Deliveries	4,500	300
<u>Mobilization Base</u>		
Men Ages 13-17	284,000	280,000
Men Ages 18-22	272,000	247,000
<u>Manpower</u>		
Total Active (Conscript)	163,500 107,500	100,240 -
Total Reserve	425,000	35,000
Total	588,500	135,240
Paramilitary	8,050	10,000
<u>Land Forces</u>		
Active Manpower (Conscripts)	120,000 85,000	84,700
Reserve Manpower	400,000	30,000
Total Active & Reserve Manpower	520,000	114,700
Main Battle Tanks	3,930	1,058 (300)
AIFVs/Armored Cars/Lt. Tanks	408	241
APCs/Recce/Scouts	5,900	1,130
WWII Half-Tracks	500(3,500)0	
ATGM Launchers	1,325	640
SP Artillery	855	418
Towed Artillery	520	113
MRLs	198	0
Mortars	6,470	800
SSM Launchers	20	0
AA Guns	850	416
Lt. SAM Launchers	1,298	944

Table 10.1The Jordanian-Israeli Balance in 2002 - Part Two

<u>Category/Weapon</u>	<u>Israel</u>	<u>Jordan</u>
<u>Air & Air Defense Forces</u>		
Active Air Force Manpower	37,000	15,000
Active Air Defense Command	0	0
Air Force Reserve Manpower	20,000	-
Air Defense Command Reserve Manpower	0	0
<u>Aircraft</u>		
Total Fighter/FGA/Recce	446(250)	101
Fighter	0	31
FGA/Fighter	405	0
FGA	25	70
Recce	10	0
Airborne Early Warning (AEW)	6	0
Electronic Warfare (EW)	37	0
Fixed Wing	37	0
Helicopter	0	0
Maritime Reconnaissance (MR)	3	0
Combat Capable Trainer	26	2
Tanker	3	0
Transport	39	12
<u>Helicopters</u>		
Attack/Armed	133	20
SAR/ASW	6	-
Transport & Other	160	49
Total	299	69
<u>SAM Forces</u>		
Batteries	29	14
Heavy Launchers	79	80
Medium Launchers	0	0
AA Guns	0	-
<u>Naval Forces</u>		
Active Manpower	6,500	540
Reserve Manpower	5,000	-
Total Manpower	11,500	540
Naval Commandos/Marines	300	0
Submarines	3	0
Destroyers/Frigates/Corvettes	3	0
Missile	3	0
Other	0	0
Missile Patrol	10	0
Coastal/Inshore Patrol	34	6
Mine	0	0
Amphibious Ships	1	0
Landing Craft/Light Support	4	(3)
Fixed-wing Combat Aircraft	0	0
MR/MPA	0	0
ASW/Combat Helicopter	16	20
Other Helicopters	-	-

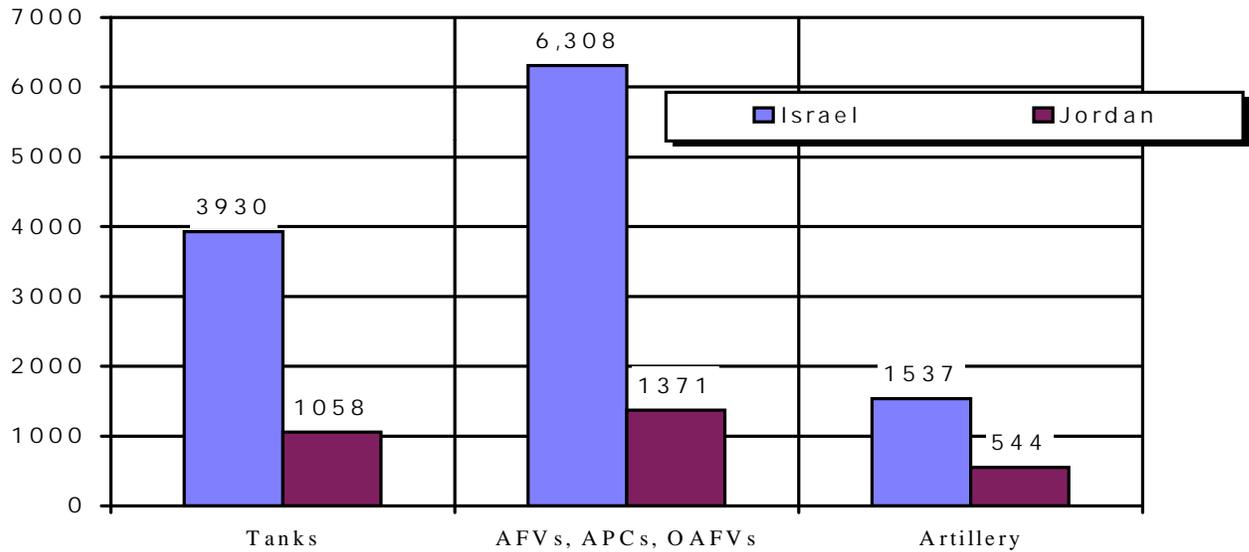
Note: Figures in parenthesis show additional equipment known to be in long-term storage. Some Syrian tanks shown in parenthesis are used as fire points in fixed positions.

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

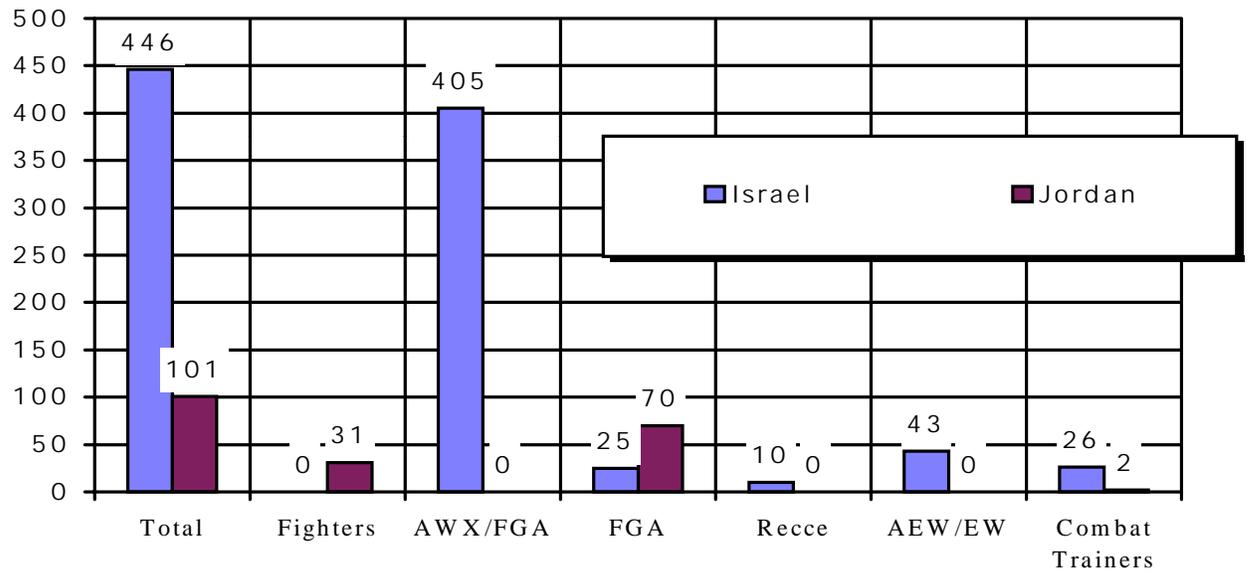
Figure 10.1

Israel Versus Jordan in 2002

Land Weapons



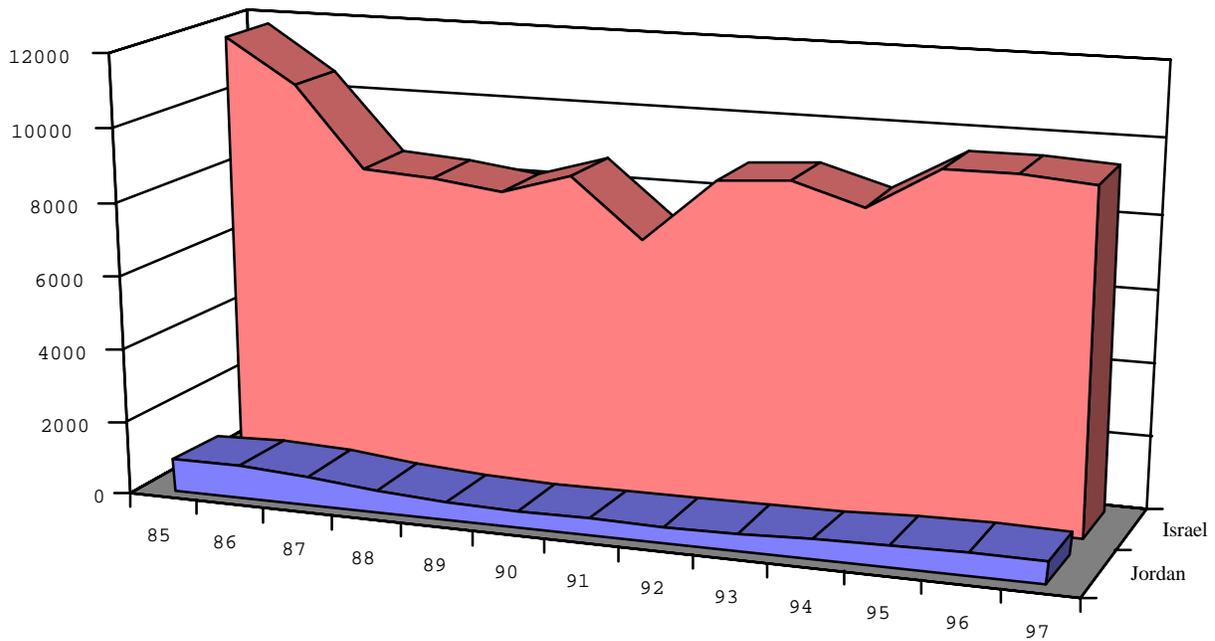
Air Forces



Note: Total Artillery includes towed and self-propelled tube artillery and multiple rocket launchers. Total air forces include only operational fixed wing fighter, fighter-attack, and reconnaissance aircraft in combat units, less aircraft in combat training units. Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance.

Figure 10.2

Trends in Jordanian-Israeli Military Spending: 1985-1997
(In \$US 1997 Constant Millions)



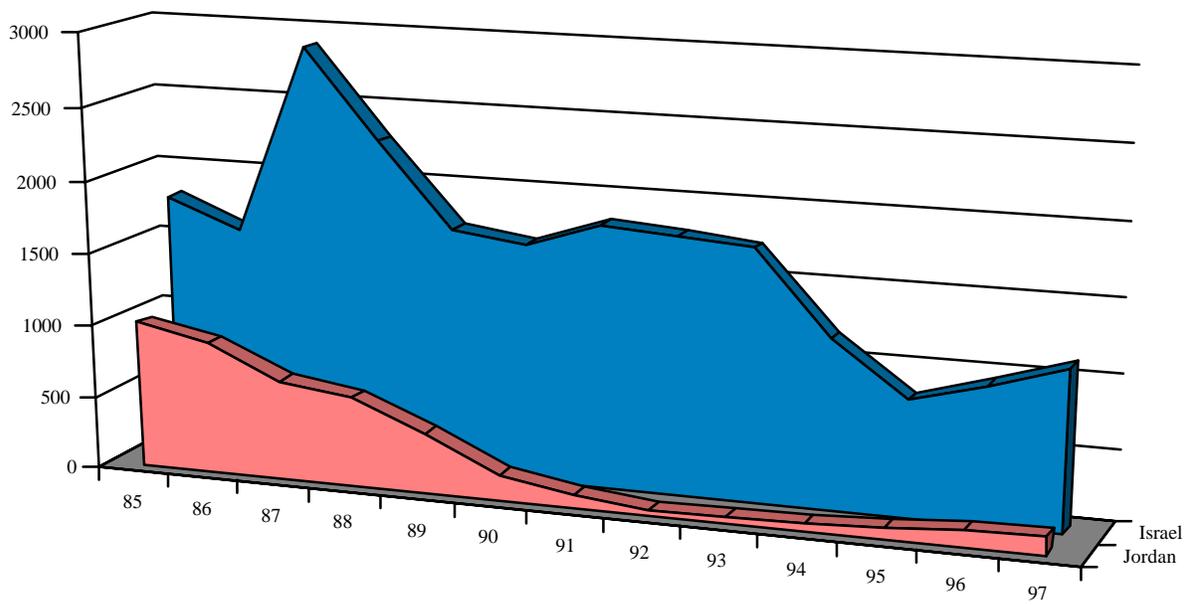
	85	86	87	88	89	90	91	92	93	94	95	96	97
Jordan	870	910	813	626	523	471	478	470	477	535	581	609	626
Israel	11750	10555	8400	8280	8060	8620	7040	8730	8880	8330	9440	9490	9340

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers, Washington, GPO, Table I, various editions.

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Figure 10.3

Trends in Jordanian-Israeli Arms Import Deliveries: 1985-1997
(\$97 Constant Millions)



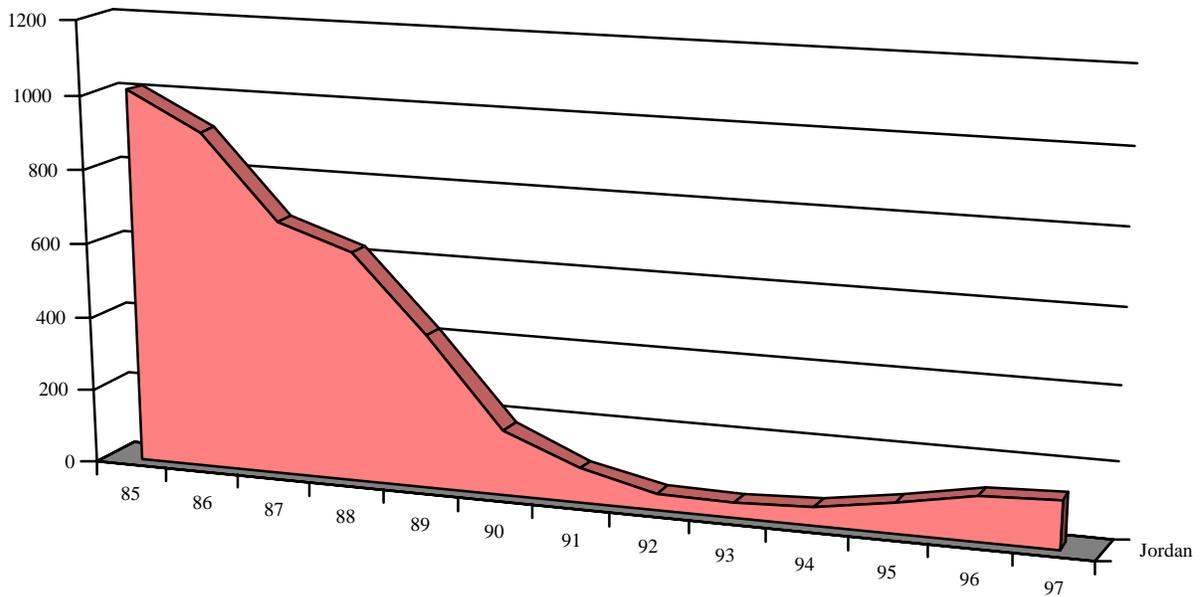
	85	86	87	88	89	90	91	92	93	94	95	96	97
Jordan	1013	912	686	619	414	176	91	44	43	53	83	122	130
Israel	1785	1585	2874	2275	1704	1640	1812	1774	1728	1163	802	940	1100

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

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Figure 10.4

The Jordanian Recapitalization Crisis: Arm Deliveries: 1985-1997
 (\$97 Constant Millions)



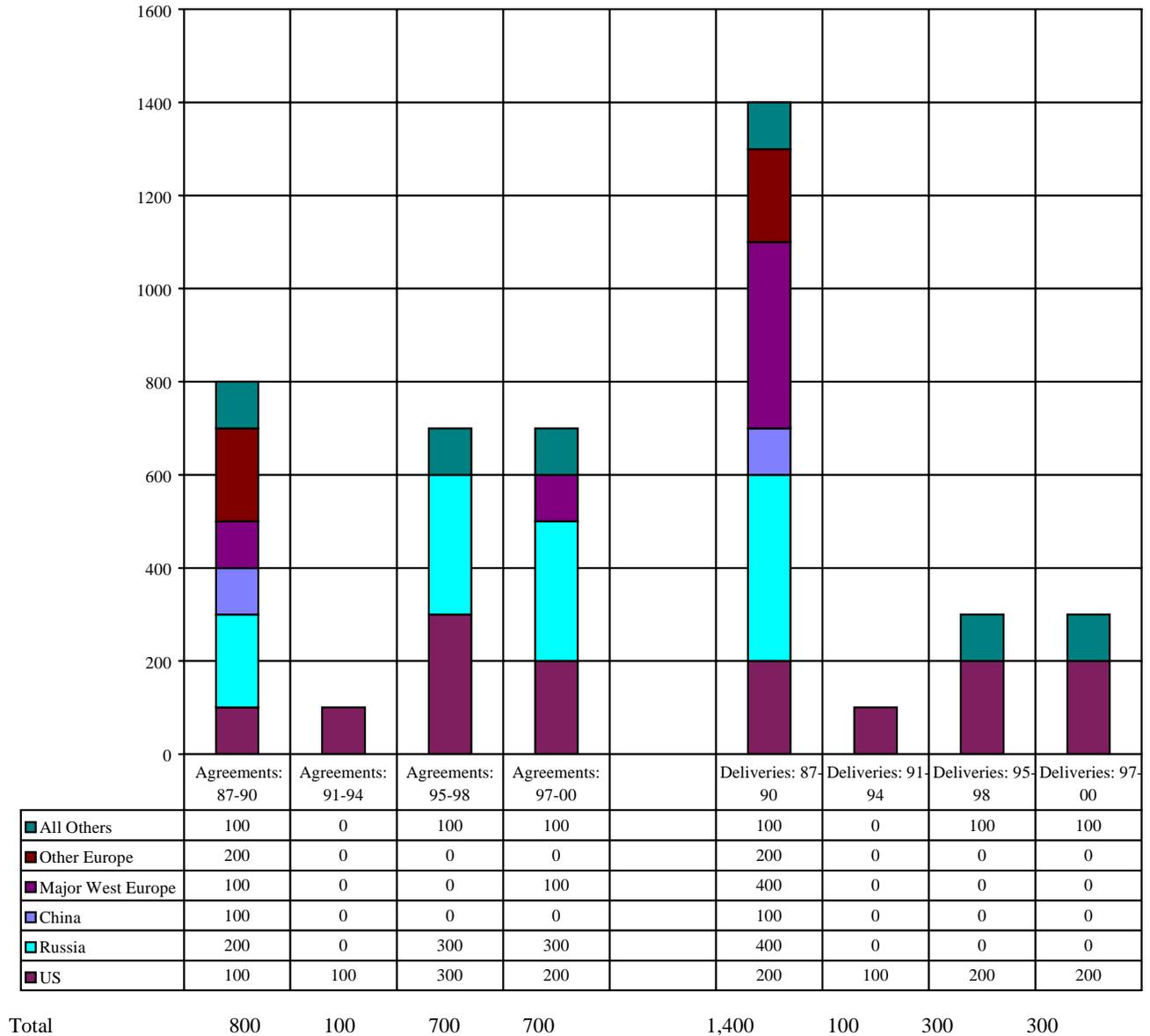
	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Jordan	1013	912	686	619	414	176	91	44	43	53	83	122	130

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

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Figure 10.5

Jordanian Arms Agreements and Deliveries
By Major Supplier: 1987-2000
 (\$Current Millions)



Includes Gulf states, Arab-Israeli states, North Africa, and Yemen
 0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

Table 10.3Force Trends in Jordan - Part One

<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Manpower</u>							
Total Active (Conscript)	67,200	70,300	82,250	98,800	104,500	103,880	100,240
Total Reserve	-	35,000	35,000	35,000	30,000	35,000	35,000
Total Actives & Reserve	-	105,300	117,250	133,800	134,500	139,000	135,240
Paramilitary	10,000	11,000	17,000	10,000	10,000	10,000	10,000
<u>Land Forces</u>							
Active Manpower (Conscripts)	60,000	62,750	74,000	90,000	90,000	90,000	84,700
Reserve Manpower	-	30,000	30,000	30,000	30,000	30,000	30,000
Total Reserve & Active Manpower	-	92,750	104,000	120,000	120,000	120,000	114,700
Main Battle Tanks (Fixed & in Storage)	609	795	1,131 (260)	1,141 (270)	1,217 (300)	1,246 (300)	1058 (78)
AIFVs/Armored Cars/Lt. Tanks	140	32	188	204	224	241	241
APCs/Recce/Scouts	962	850	1,244	1,100	1,100	1,100	1,130
WWII Half-Tracks	0	0	0	0	0	0	0
ATGM Launchers	162	610	640	640	640	610	640
SP Artillery	173	144	237	370	406	412	418
Towed Artillery	90	91	89	115	115	132	113
MRLs	0	0	0	0	0	0	0
Mortars	400	500	600	450+	800	800	800
SSM Launchers	0	0	0	0	0	0	0
AA Guns	200	366	408	360	360	416	416
Lt. SAM Launchers	-	-	-	890	965+	1,184	944

Table 10.3

Force Trends in Jordan - Part Two

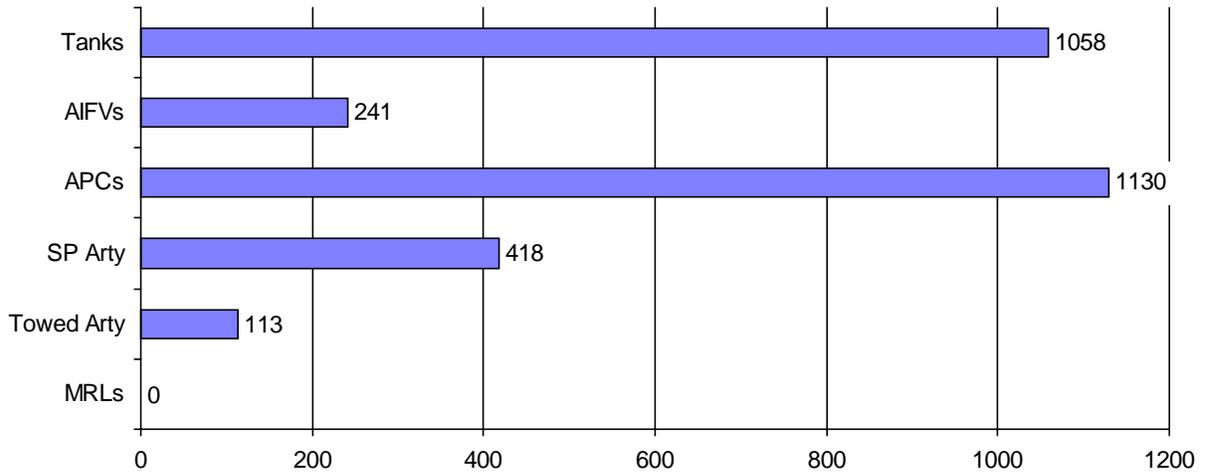
<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Air & Air Defense Forces</u>							
Active Air Force Manpower	7,000	7,200	10,000	8,000	13,600	13,400	15,000
Active Air Defense	-	-	-	(2,000)	(3,400)	(3,400)	(3,400)
Air Force Reserve Manpower	-	-	5,000	5,000	-	-	-
Air Defense Reserve Manpower	0	0	0	0	0	0	0
<u>Aircraft</u>							
Total Fighter/FGA/Recce	58	121	104	82	93	106	101
Fighter	24	35	32	30	41	41	31
FGA/Fighter	0	0	0	0	0	0	0
FGA	24	68	72	50	50	65	70
Recce	0	0	0	0	0	0	0
Airborne Early Warning (AEW)	0	0	0	0	0	0	0
Electronic Warfare (EW)	0	0	0	0	0	0	0
(Fixed Wing)	-	-	-	-	-	-	-
(Helicopter)	-	-	-	-	-	-	-
Maritime Reconnaissance (MR)	0	0	0	0	0	0	0
Combat Capable Trainer/OCU	10	18	0	2	2	2	2
Tanker	0	0	0	0	0	0	0
Transport	9	10	13	20	14	12	12
<u>Helicopters</u>							
Attack/Armed	0	0	24	24	16	16	20
ASW/SAR	0	0	0	0	0	0	0
Transport & Other	17	38	32	20	46	52	49
Total	17	38	56	44	62	68	69
<u>SAM Forces (operated by Army)</u>							
Batteries	14	14	14	14	14	14	14
Heavy Launchers	-	-	126	80	80	80	80
Medium Launchers	-	20	40	-	-	-	-
AA Guns	-	-	-	-	-	-	-
<u>Naval Forces</u>							
Active Manpower	200	350	250	600	480	480	540
Reserve Manpower	-	-	-	-	-	-	-
Total Manpower	200	350	250	600	480	480	540
Submarines	0	0	0	0	0	0	0
<u>Destroyers/Frigates/Corvettes</u>							
Missile	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Missile Patrol	0	0	0	0	0	0	0
Coastal/Inshore Patrol	9	9	1	5	3	6	6
Mine	0	0	0	0	0	0	0
Amphibious Ships	0	0	0	0	0	0	0
Landing Craft/Light Support	0	0	0	3	7	(3)	(3)
Fixed Wing Combat Aircraft	0	0	0	0	0	0	0
MR/MPA	0	0	0	0	0	0	0
ASW/Combat Helicopter	0	0	0	0	0	0	0
Other Helicopters	0	0	0	0	0	0	20

Source: Adapted by Anthony H. Cordesman from data provided by US and regional experts, and the IISS, Military Balance

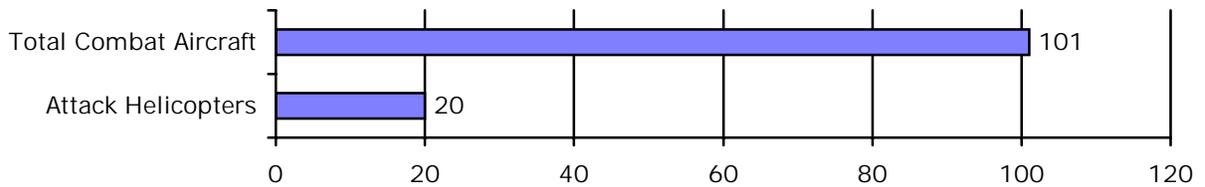
Figure 10.6

Jordanian Major Military Equipment in 2002

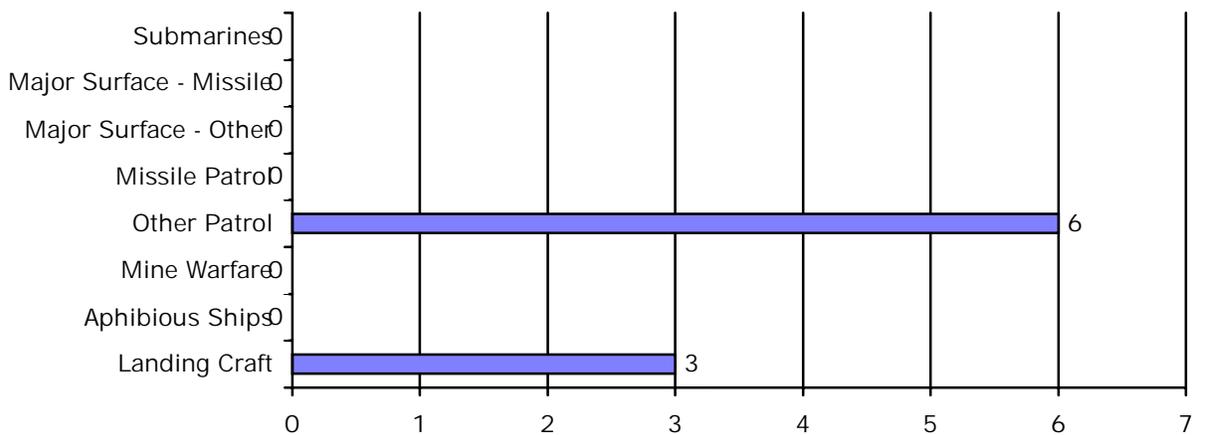
Land Forces



Air Forces



Naval Forces



Source: Adapted by Anthony H. Cordesman from data provided by US and regional experts, and the IISS, Military Balance

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Table 11.1Israel Versus Jordan and Syria: in 2002
The "Eastern Front" Balance - Part One

<u>Category/Weapon</u>	<u>Israel</u>	<u>Syria+Jordan</u>	<u>Syria</u>	<u>Jordan</u>
<u>Defense Budget</u>				
(In 2000, \$Current Billions)	\$9.0	\$1.337	\$.838	\$.499
<u>Arms Imports: 1996-1999 (\$M)</u>				
New Orders	4,500	1,300	500	800
Deliveries	4,500	600	300	300
<u>Mobilization Base</u>				
Men Ages 13-17	284,000	1,356,000	1,076,000	280,000
Men Ages 18-22	272,000	1,130,000	883,000	247,000
<u>Manpower</u>				
Total Active	163,500	421,240	321,000	100,240
(Conscript)	107,500	-	-	-
Total Reserve	425,000	389,000	354,000	35,000
Total	588,500	810,240	675,000	135,240
Paramilitary	8,050	118,000	108,000	10,000
<u>Land Forces</u>				
Active Manpower	120,000	299,700	215,000	84,700
(Conscripts)	85,000	-	-	-
Reserve Manpower	400,000	310,000	280,000	30,000
Total Active & Reserve Manpower	520,000	609,700	495,000	114,700
Main Battle Tanks	3,930	5,758(1500)	4,700 (1200)	1,058(300)
AIFVs/Armored Cars/Lt. Tanks	408	3,426	3,185	241
APCs/Recce/Scouts	5,900	3,580	2,450	1,130
WWII Half-Tracks	500(3,500)	0	0	0
ATGM Launchers	1,325	4,030	3,390+	640
SP Artillery	855	868	450	418
Towed Artillery	520	1,743	1,630	113
MRLs	198	480	480	0
Mortars	6,470	5,300	4,500+	800
SSM Launchers	20	68	68	0
AA Guns	850	2,476	2,060	416
Lt. SAM Launchers	1,298	4,999	4,055	944

Table 11.1

Israel Versus Jordan and Syria: in 2002
The "Eastern Front" Balance - Part Two

<u>Category/Weapon</u>	<u>Israel</u>	<u>Syria+Jordan</u>	<u>Syria</u>	<u>Jordan</u>
<u>Air & Air Defense Forces</u>				
Active Air Force Manpower	37,000	55,000	40,000	15,000
Active Air Defense Command	0	60,000	60,000	0
Air Force Reserve Manpower	20,000	70,000	70,000	0
Air Defense Command Reserve Manpower	0	0	0	0
<u>Aircraft</u>				
Total Fighter/FGA/Recce	446(250)	690	589	101
Fighter	0	350	319	31
FGA/Fighter	405	0	0	0
FGA	25	224	154	70
Recce	10	14	14	0
Airborne Early Warning (AEW)	6	0	0	0
Electronic Warfare (EW)	37	10	10	0
Fixed Wing	37	0	0	0
Helicopter	0	10	10	0
Maritime Reconnaissance (MR)	3	0	0	0
Combat Capable Trainer	26	113	111	2
Tanker	3	0	0	0
Transport	39	37	25	12
<u>Helicopters</u>				
Attack/Armed	133	107	87	20
SAR/ASW	6	-	-	-
Transport & Other	160	159	110	49
Total	299	266	197	69
<u>SAM Forces</u>				
Batteries	29	164	150	14
Heavy Launchers	79	928	848	80
Medium Launchers	0	60	60	0
AA Guns	0	4,000	4,000	0
<u>Naval Forces</u>				
Active Manpower	6,500	6,540	6,000	540
Reserve Manpower	5,000	4,000	4,000	0
Total Manpower	11,500	10,540	10,000	540
Naval Commandos/Marines	300	0	0	0
Submarines	3	0	0	0
Destroyers/Frigates/Corvettes	3	2	2	0
Missile	3	2	2	0
Other	0	4	4	0
Missile Patrol	10	10	10	0
Coastal/Inshore Patrol	34	14	8	6
Mine	0	5	5	0
Amphibious Ships	1	3	3	0
Landing Craft/Light Support	4	5	5	(3)
Fixed-wing Combat Aircraft	0	0	0	0
MR/MPA	0	0	0	0
ASW/Combat Helicopter	0	36	16	20
Other Helicopters	-	-	-	-

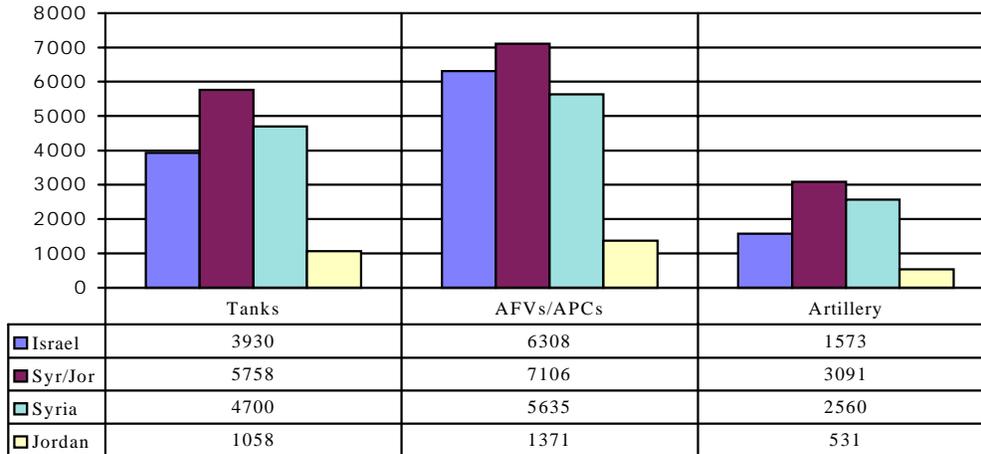
Note: Figures in parenthesis show additional equipment known to be in long-term storage. Some Syrian tanks shown in parenthesis are used as fire points in fixed positions.

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

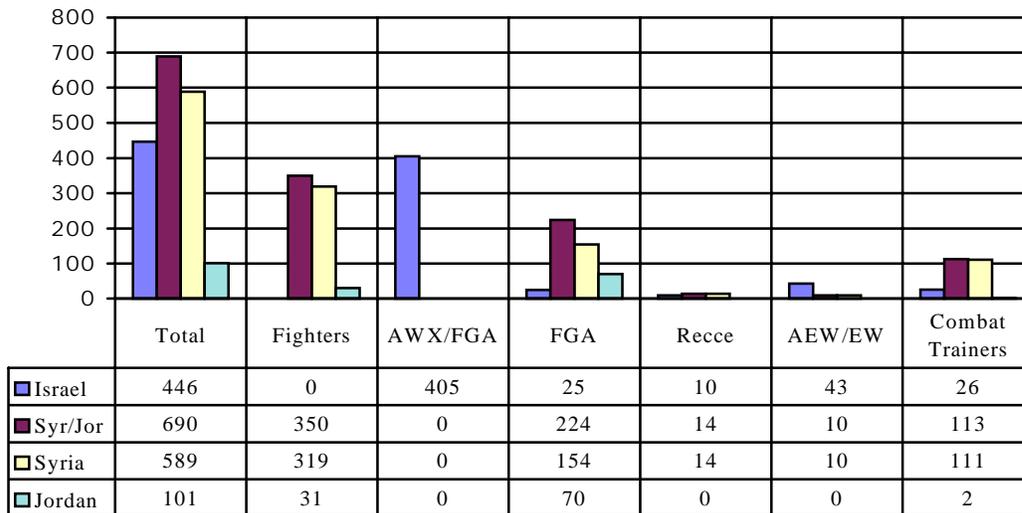
Figure 11.1

Israel Versus Jordan & Syria in 2002

Land Weapons



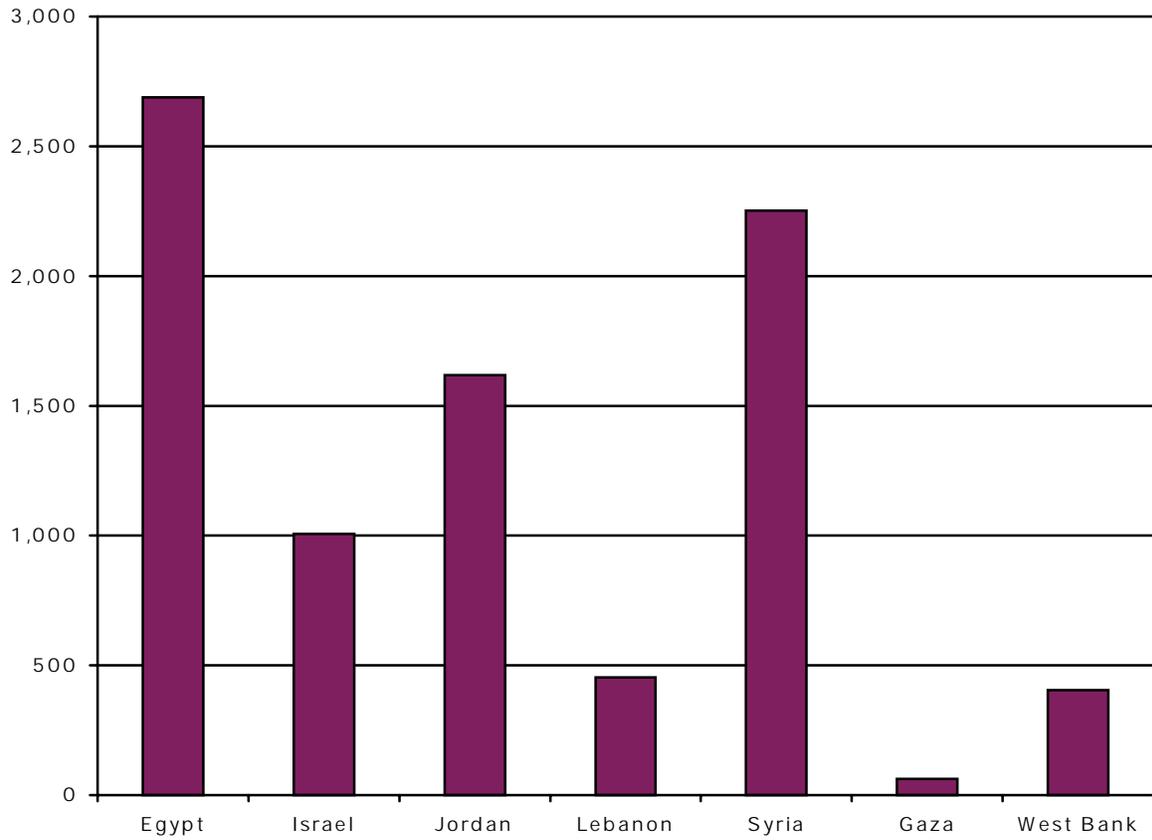
Air Forces



Note: Total Artillery includes towed and self-propelled tube artillery and multiple rocket launchers. Total air forces include only operational fixed wing fighter, fighter-attack, and reconnaissance aircraft in combat units, less aircraft in combat training units. Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance.

Figure 12.1

Arab-Israeli Borders
(Total Length Kilometers)



Land Boundaries in Kilometers

Egypt	-	255	-	-	-	11	-
Gaza	11	51	-	-	-	-	-
Israel	255	-	238	79	76	51	307
Iraq	-	-	181	-	605	-	-
Jordan	-	238	-	-	375	-	97
Lebanon	-	79	-	-	375	-	-
Libya	1,150	-	-	-	-	-	-
Saudi Arabia	-	-	728	-	-	-	-
Sudan	1,273	-	-	-	-	-	-
Syria	-	76	375	375	-	-	-
Turkey	-	-	-	-	822	-	-
West Bank	-	307	97	-	-	-	-
Total	2,689	1,006	1,619	454	2,253	62	404

Coastline

Egypt	2,450	273	26	225	193	40	-
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Maritime Claims in Kilometers

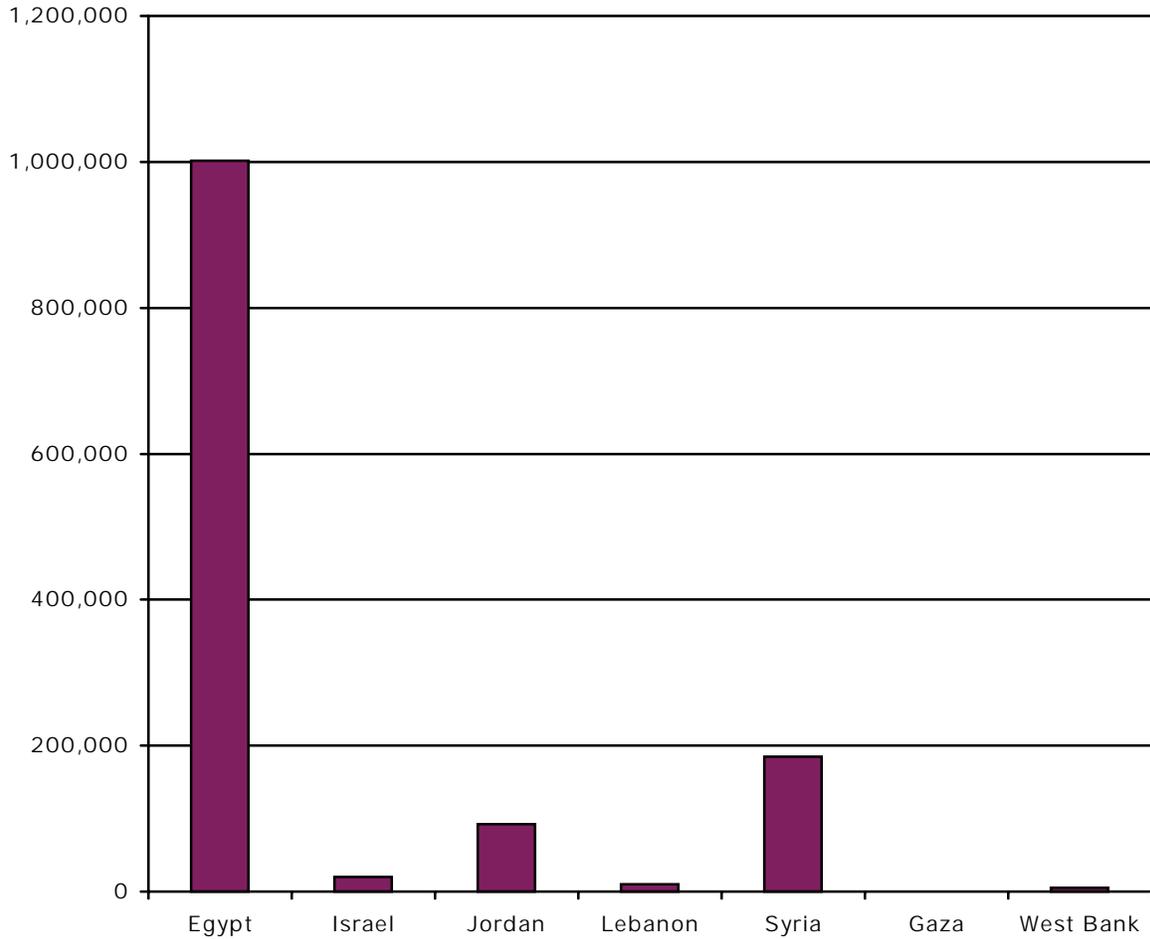
Contiguous	24	-	-	-	41	-	-
Territorial	12	12	3	12	35	-	-

Source: Adapted by Anthony H. Cordesman from CIA, World Factbook 2001, January 2001.

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Figure 12.2

Arab-Israeli Geography
(Total Territory in Square Kilometers)



Area in Square Kilometers

Total	1,001,450	20,770	92,300	10,400	185,180	360	5,860
Land	995,450	20,330	91,971	10,230	184,050	360	5,640
Irrigated	32,460	1,800	630	860	9,060	120	-

Land Use in %

Arable	2	17	4	18	28	24	27
Permanent							
Crops	0	4	1	9	4	39	0
Meadows &							
Pastures	0	7	9	1	43	0	32
Forest	0	6	1	8	3	11	1
Other	98	66	85	64	22	26	40

Source: Adapted by Anthony H. Cordesman from CIA, World Factbook 2001, January 2001.

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Table 12.1The Egyptian-Israeli Balance in 2002 - Part One

<u>Category/Weapon</u>	<u>Israel</u>	<u>Egypt</u>
<u>Defense Budget</u> (In 2000, \$Current Billions)	\$9.0	\$2.1
<u>Arms Imports: 1996-1999 (\$M)</u>		
New Orders	4,500	6,800
Deliveries	4,500	3,800
<u>Mobilization Base</u>		
Men Ages 13-17	284,000	3,707,000
Men Ages 18-22	272,000	3,312,000
<u>Manpower</u>		
Total Active	163,500	443,000
(Conscript)	107,500	322,000+
Total Reserve	425,000	254,000
Total	588,500	697,000
Paramilitary	8,050	325,000
<u>Land Forces</u>		
Active Manpower	120,000	320,000
(Conscripts)	85,000	250,000+
Reserve Manpower	400,000	150,000
Total Active & Reserve Manpower	520,000	470,000
Main Battle Tanks	3,930	3,860
AIFVs /Armored Cars/Lt. Tanks	408	987(220)
APCs/Recce/Scouts	5,900	3,212(1,075)
WWII Half-Tracks	500(3,500)	0
ATGM Launchers	1,325	2,612
SP Artillery	855	478
Towed Artillery	520	971
MRLs	198	156
Mortars	6,470	2,400
SSM Launchers	20	18
AA Guns	850	874
Lt. SAM Launchers	1,298	671

Table 13.1The Egyptian-Israeli Balance in 2002: Part Two

<u>Category/Weapon</u>	<u>Israel</u>	<u>Egypt</u>
<u>Air & Air Defense Forces</u>		
Active Air Force Manpower	37,000	29,000
Active Air Defense Command	0	75,000
Air Force Reserve Manpower	20,000	20,000
Air Defense Command Reserve Manpower	0	70,000
<u>Aircraft</u>		
Total Fighter/FGA/Recce	446(250)	580
Fighter	0	324
FGA/Fighter	405	0
FGA	25	133
Recce	10	20
Airborne Early Warning (AEW)	6	5
Electronic Warfare (EW)	37	10
Fixed Wing	37	6
Helicopter	0	4
Maritime Reconnaissance (MR)	3	2
Combat Capable Trainer	26	64
Tanker	3	0
Transport	39	32
<u>Helicopters</u>		
Attack/Armed	133	129
SAR/ASW	6	-
Transport & Other	160	158
Total	299	287
<u>SAM Forces</u>		
Batteries	29	38+
Heavy Launchers	79	610
Medium Launchers	0	36-54
AA Guns	0	90
<u>Naval Forces</u>		
Active Manpower	6,500	19,000
Reserve Manpower	5,000	14,000
Total Manpower	11,500	33,000
Naval Commandos/Marines	300	0
Submarines	3	4
Destroyers/Frigates/Corvettes	3	11
Missile	3	10
Other	0	1
Missile Patrol	10	25
Coastal/Inshore Patrol	34	15
Mine	0	13
Amphibious Ships	1	3
Landing Craft/Light Support	4	9
Fixed-wing Combat Aircraft	0	0
MR/MPA	0	0
ASW/Combat Helicopter	0	24
Other Helicopters	-	-
	-	-

Note: Figures in parenthesis show additional equipment known to be in long-term storage. Some Syrian tanks shown in parenthesis are used as fire points in fixed positions.

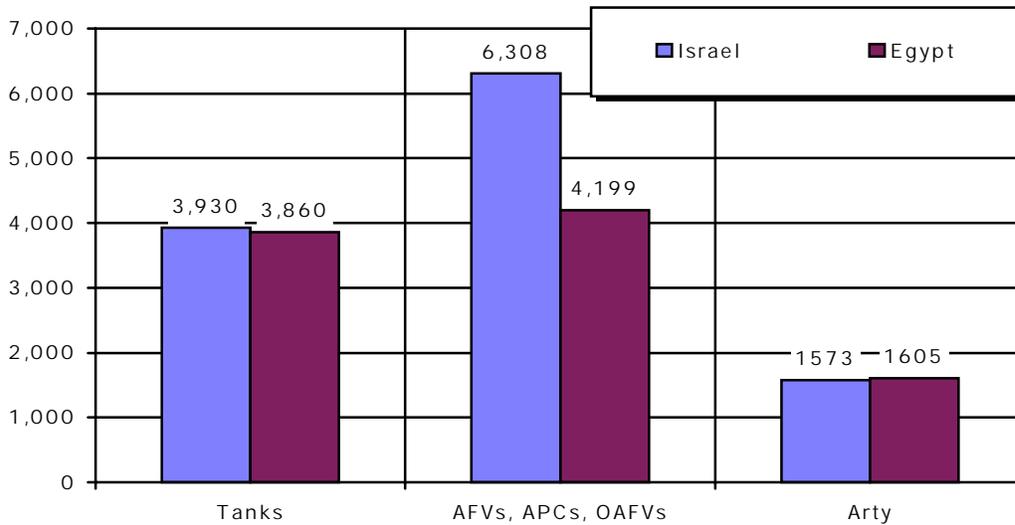
Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

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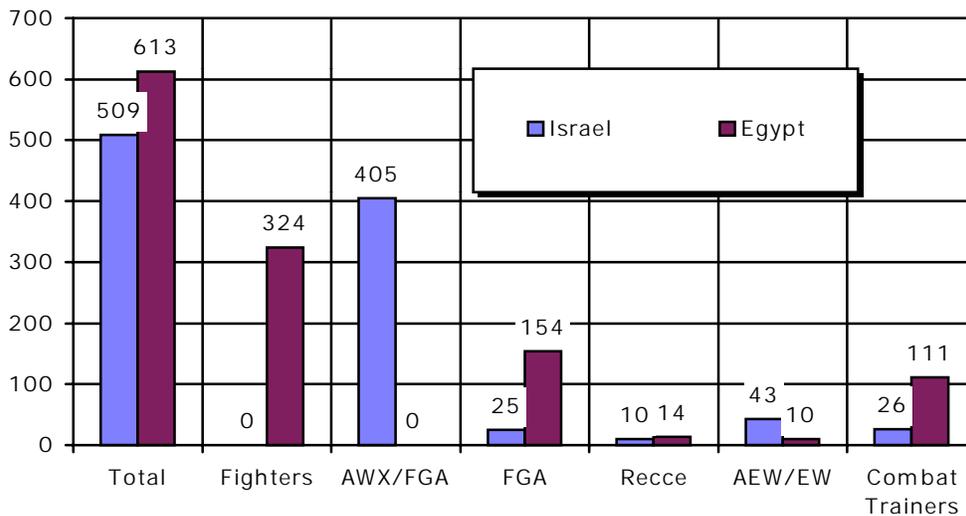
Figure 12.3

Israel Versus Egypt in 2002

Land Weapons



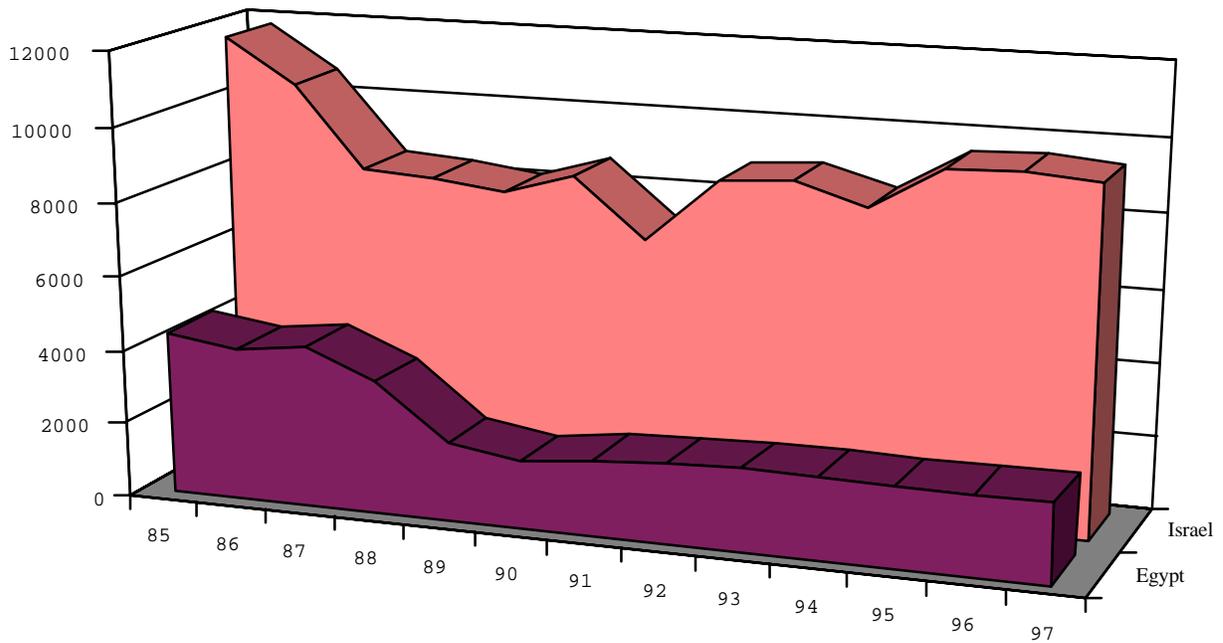
Air Forces



Note: Total Artillery includes towed and self-propelled tube artillery and multiple rocket launchers. Total air forces include only operational fixed wing fighter, fighter-attack, and reconnaissance aircraft in combat units, less aircraft in combat training units.

Figure 12.4

Trends in Egyptian-Israeli Military Spending: 1985-1997
(In \$US 1997 Constant Millions)



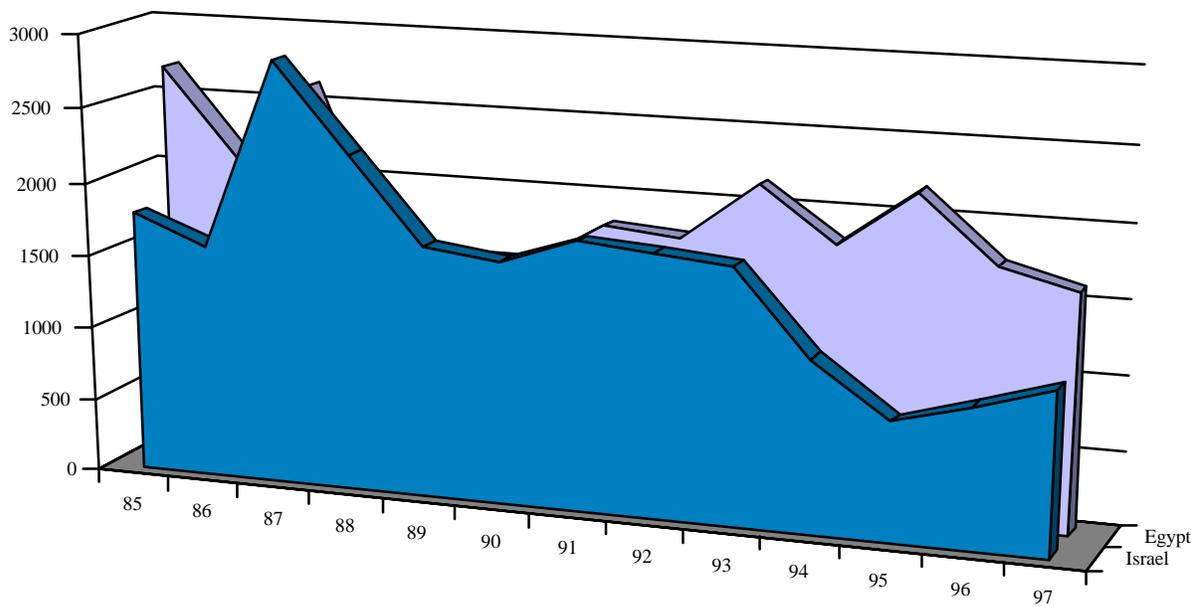
	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Egypt	4430	4150	4380	3600	2160	1840	2070	2150	2230	2190	2180	2170	2180
■ Israel	11750	10555	8400	8280	8060	8620	7040	8730	8880	8330	9440	9490	9340

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers, Washington, GPO, Table I, various editions.

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Figure 12.5

Trends in Egyptian-Israeli Arms Import Deliveries: 1983-1997
 (\$US 97 Constant Millions)



	85	86	87	88	89	90	91	92	93	94	95	96	97
■ Israel	1785	1585	2874	2275	1704	1640	1812	1774	1728	1163	802	940	1100
■ Egypt	2690	2105	2613	1390	1217	1522	1812	1774	2159	1798	2174	1728	1600

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

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Map 12.1

Egypt and the Sinai

Table 12.2Force Trends in Egypt – Part One

<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Manpower</u>							
Total Active	367,000	445,000	450,000	450,000	450,000	448,500	443,000
(Conscript)	-	(250,000)	(252,000)	(320,000)	(320,000)	(322,000)	(322,000)
Total Reserve	-	380,000	623,000	254,000	254,000	254,000	254,000
Total	-	825,000	1,073,000	704,000	704,000	703,500	697,000
Paramilitary	49,000	139,000	374,000	230,000	230,000	230,000	325,000
<u>Land Forces</u>							
Active Manpower	245,000	320,000	320,000	320,000	320,000	320,000	320,000
(Conscripts)	-	(250,000)	(180,000)	(250,000+)	(250,000+)	(250,000+)	(250,000+)
Reserve Manpower	350,000	323,000	500,000	150,000	150,000	150,000	150,000
Total Reserve & Active Manpower	595,000	643,000	820,000	470,000	470,000	470,000	470,000
Main Battle Tanks	1,600	2,159	3,190	3,500	3,855	3,960	3,860
(Fixed & in Storage)	-	-	-	-	-	-	-
AIFVs/Armored Cars/Lt. Tanks	580	747	770	1,080	982 (220)	740 (220)	987(220)
APCs/Recce/Scouts/	2,550	2,550	2,745	3,834	3,205(1,075)	3,990(1,075)	3,212(1,075)
WWII Half-Tracks	0	0	0	0	0	0	0
ATGM Launchers	1,000	-	3,340	2,785	2,350	2,660	2,612
SP Artillery	200	200	185	200	251	251	478
Towed Artillery	1,500	1,500	1,120	971	971	971	971
MRLs	300	300	300	296	156	156	156
Mortars	-	-	-	-	2,400	2,400	2,400
SSM Launchers	54	-	13	21	24	18-24	18
AA Guns (Army + ADC)	2,500+	2,500+	1,070+	1,677+	1,074	834	874
Lt. SAM Launchers	-	-	1,226+	2,046	2,146	1,146	671

Table 12.2Force Trends in Egypt – Part Two

<u>Category/Weapon</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
<u>Air & Air Defense Forces</u>							
Active Air Force Manpower	27,000	25,000	80,000	30,000	30,000	30,000	29,000
Air Defense Command	75,000	80,000	30,000	80,000	80,000	80,000	75,000
Total Reserve Manpower	-	42,000	109,000	90,000	90,000	90,000	90,000
<u>Aircraft</u>							
Total Fighter/FGA/Recce	363(305)	427	475	564	583	583	580
Bomber	23	13	0	0	0	0	0
Fighter	45	164	272	339	363	363	324
FGA/Fighter	92	103	0	0	0	0	0
FGA	201	73	139	135	133	133	133
Recce	-	34	20	20	20	20	20
Airborne Early Warning (AEW)	0	0	5	5	5	5	5
Electronic Warfare (EW)	2	2	10	10	10	10	10
Maritime Reconnaissance (MR)	0	0	2	2	2	2	2
Combat Capable Trainer/OCU	50	38	48	70	64	64	64
Tanker	0	0	0	0	0	0	0
Transport	65	37	25	32	32	32	32
<u>Helicopters</u>							
Attack/Armed	0	48	74	103	129	129	129
ASW/SAR	0	5	0	14	0	0	0
Transport & Other	168	108	118	115	158	158	158
Total	168	161	192	232	287	287	287
<u>SAM Forces</u>							
Batteries	-	-	-	-	38+	38+	38+
Heavy Launchers	635	727	808	702	628	628	610
Medium Launchers	20	16	50	36	36-54	36-54	36-54
<u>Naval Forces</u>							
Active Manpower	20,000	20,000	20,000	16,000	20,000	18,500	19,000
Reserve Manpower	-	15,000	14,000	14,000	14,000	14,000	14,000
Total Manpower	-	35,000	34,000	30,000	34,000	34,000	33,000
<u>Submarines</u>							
Destroyers/Frigates/Corvettes	10(1)	14	10	4	4	4	4
Missile	8	10	5	7	11	11	11
Other	5	7	4	6	9	10	10
Missile Patrol	3	3	1	1	2	1	1
Coastal/Inshore Patrol	22	30	21	25	24	25	25
Mine	38	32	18	18	15	15	15
Amphibious Ships	14	15	9	7	14	13	13
Landing Craft/Light Support	3	3	3	3	3	3	3
Fixed Wing Combat Aircraft	17	13	-	11	9	9	9
MR/MPA	0	0	0	0	0	0	0
ASW/Combat Helicopter	0	0	0	0	0	0	0
Other Helicopters	6	(5)	(17)	(14)	24	24	24
	-	-	-	-	-	-	-

* Included in the army total.

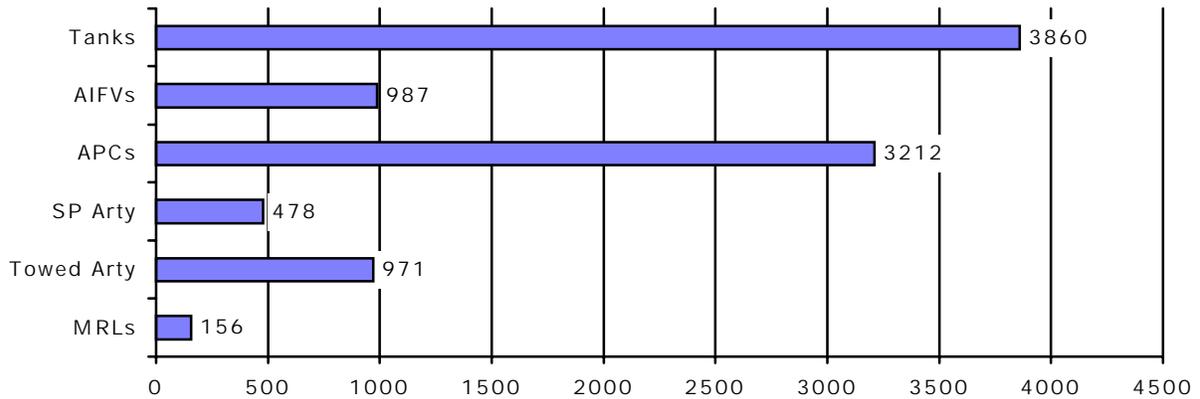
** Includes 108 fighters in the Air Defense Command

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

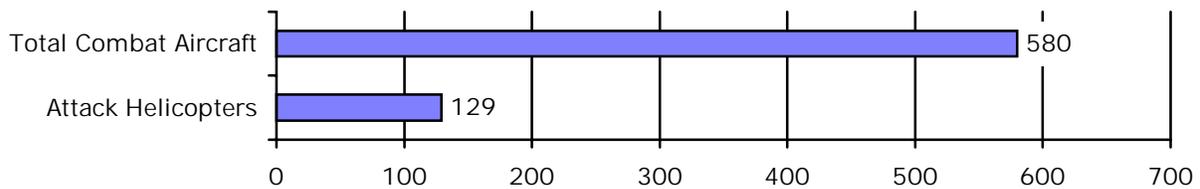
Figure 12.6

Egyptian Major Military Equipment in 2002

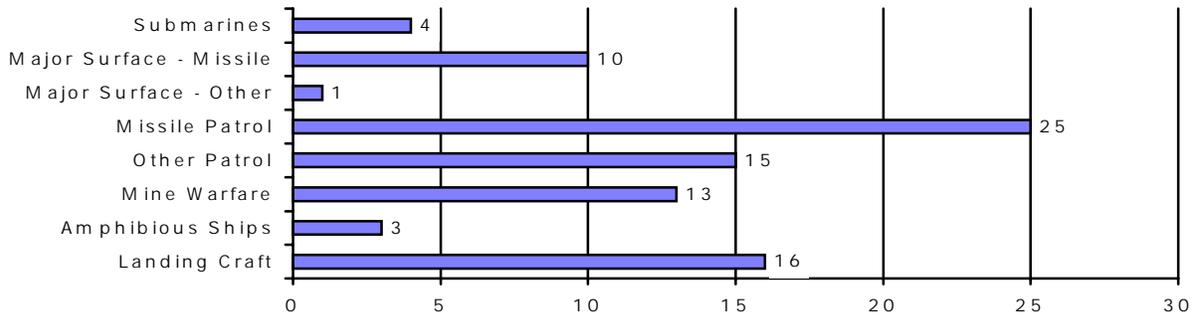
Land Forces



Air Forces



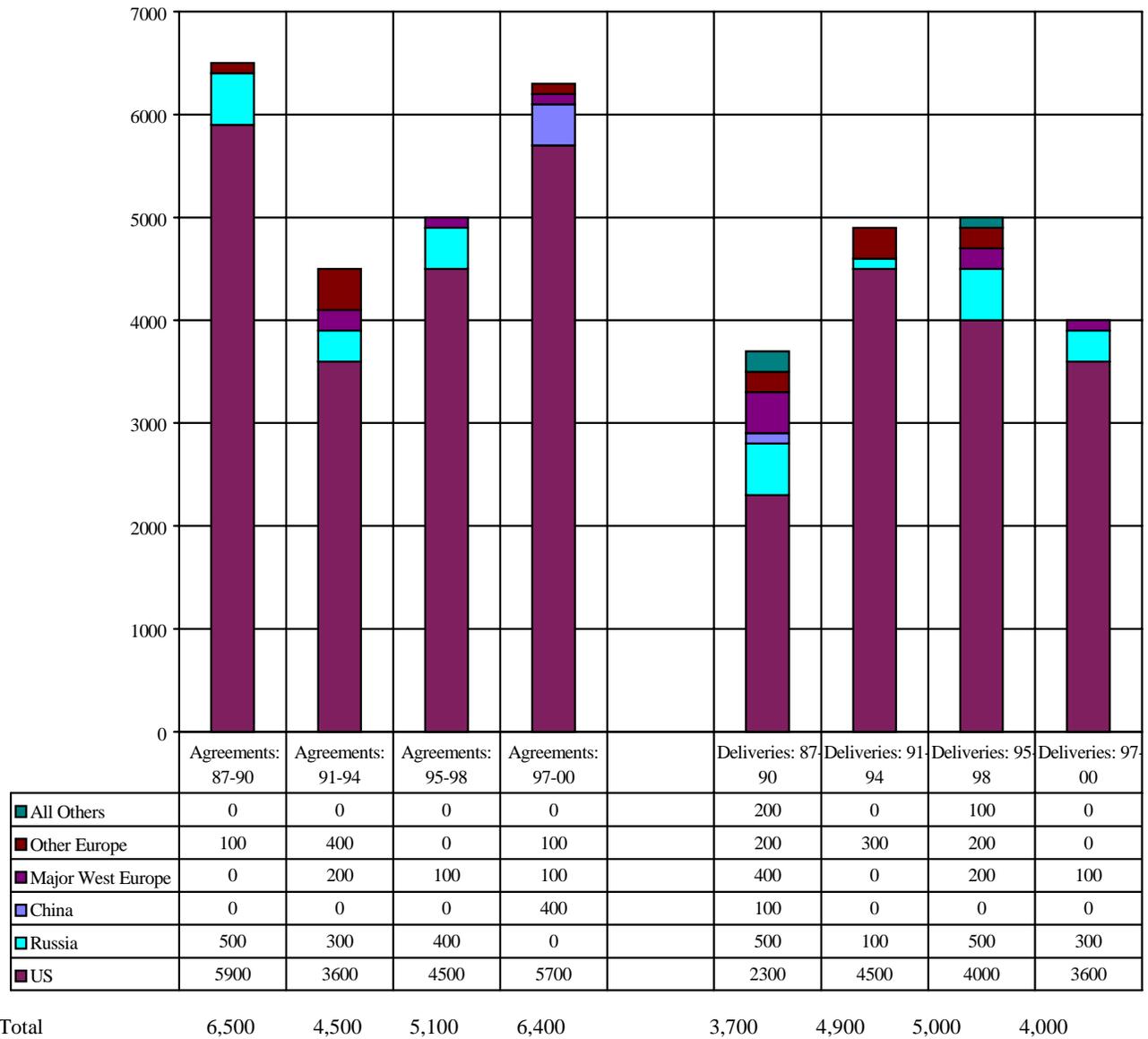
Naval Forces



Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance.

Figure 12.7

Egyptian Arms Agreements and Deliveries By Major Supplier: 1987-2000
(\$US Current Millions)



Includes Gulf states, Arab-Israeli states, North Africa, and Yemen

0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Richard F. Grimmett, *Conventional Arms Transfers to the Developing Nations*, Congressional Research Service, various editions.

Map 13.1

Israel and the Arab "Ring States"

Table 13.1The Broader Arab-Israeli Balance in 2002: Part One

<u>Category/Weapon</u>	<u>Israel</u>	<u>Syria</u>	<u>Jordan</u>	<u>Egypt</u>	<u>Lebanon</u>
<u>Defense Budget</u> (In 2000, \$Current Billions)	\$9.0	\$.838	\$0.499	\$2.1	\$0.594
<u>Arms Imports: 1996-1999 (\$M)</u>					
New Orders	4,500	500	800	6,800	100
Deliveries	4,500	300	300	3,800	100
<u>Mobilization Base</u>					
Men Ages 13-17	284,000	1,076,000	280,000	3,707,000	216,000
Men Ages 18-22	272,000	883,000	247,000	3,312,000	194,000
<u>Manpower</u>					
Total Active	163,500	321,000	100,240	443,000	71,830
(Conscript)	107,500	-	-	322,000+	22,600
Total Reserve	425,000	354,000	35,000	254,000	-
Total	588,500	675,000	135,240	697,000	71,830
Paramilitary	8,050	108,000	10,000	325,000	13,000
<u>Land Forces</u>					
Active Manpower	120,000	215,000	84,700	320,000	70,000
(Conscripts)	85,000	-	-	250,000+	22,600
Reserve Manpower	400,000	280,000	30,000	150,000	-
Total Active & Reserve Manpower	520,000	495,000	114,700	470,000	70,000
Main Battle Tanks	3,930	4,700 (1200)	1,058 (78)	3,860	327
AIFVs /Armored Cars/Lt. Tanks	408	3,185	45	987(220)	125
APCs/Recce/Scouts	5,900	2,450	1,130	3,212(1,075)	1,338
WWII Half-Tracks	500(3,500)	0	0	0	0
ATGM Launchers	1,325	3,390+	640	2,612	20
SP Artillery	855	450	418	478	0
Towed Artillery	520	1,630	113	971	151
MRLs	198	480	0	156	23
Mortars	6,470	4,500+	800	2,400	377
SSM Launchers	20	68	0	18	0
AA Guns	850	2,060	416	874	10
Lt. SAM Launchers	1,298	4,055	944	671	-

Table 13.1

The Broader Arab-Israeli Balance in 2002: Part Two

<u>Category/Weapon</u>	<u>Israel</u>	<u>Syria</u>	<u>Jordan</u>	<u>Egypt</u>	<u>Lebanon</u>
<u>Air & Air Defense Forces</u>					
Active Air Force Manpower	37,000	40,000	15,000	29,000	1,000
Active Air Defense Command	0	60,000	0	75,000	0
Air Force Reserve Manpower	20,000	70,000	-	20,000	-
Air Defense Command Reserve Manpower	0	-	0	70,000	0
<u>Aircraft</u>					
Total Fighter/FGA/Recce	446(250)	589	101	580	(16)
Fighter	0	319	31	324	0
FGA/Fighter	405	0	0	0	0
FGA	25	154	70	133	0
Recce	10	14	0	20	0
Airborne Early Warning (AEW)	6	0	0	5	0
Electronic Warfare (EW)	37	10	0	10	0
Fixed Wing	37	0	0	6	-
Helicopter	0	10	0	4	-
Maritime Reconnaissance (MR)	3	0	0	2	0
Combat Capable Trainer	26	111	2	64	3
Tanker	3	0	0	0	0
Transport	39	25	12	32	2
<u>Helicopters</u>					
Attack/Armed	133	87	20	129	0
SAR/ASW	6	-	-	-	-
Transport & Other	160	110	49	158	30
Total	299	110	69	287	30
<u>SAM Forces</u>					
Batteries	29	150	14	38+	0
Heavy Launchers	79	848	80	610	0
Medium Launchers	0	60	0	36-54	0
AA Guns	0	4,000	-	90	-
<u>Naval Forces</u>					
Active Manpower	6,500	6,000	540	19,000	1,200
Reserve Manpower	5,000	4,000	-	14,000	0
Total Manpower	11,500	10,000	540	33,000	1,200
Naval Commandos/Marines	300	0	0	0	0
Submarines	3	0	0	4	0
Destroyers/Frigates/Corvettes	3	2	0	11	0
Missile	3	2	0	10	0
Other	0	4	0	1	0
Missile Patrol	10	10	0	25	0
Coastal/Inshore Patrol	34	8	3	15	7
Mine	0	5	0	13	0
Amphibious Ships	1	3	0	3	0
Landing Craft/Light Support	4	5	(3)	9	2
Fixed-wing Combat Aircraft	0	0	0	0	0
MR/MPA	0	0	0	0	0
ASW/Combat Helicopter	0	16	20	24	0
Other Helicopters	-	-	-	-	-

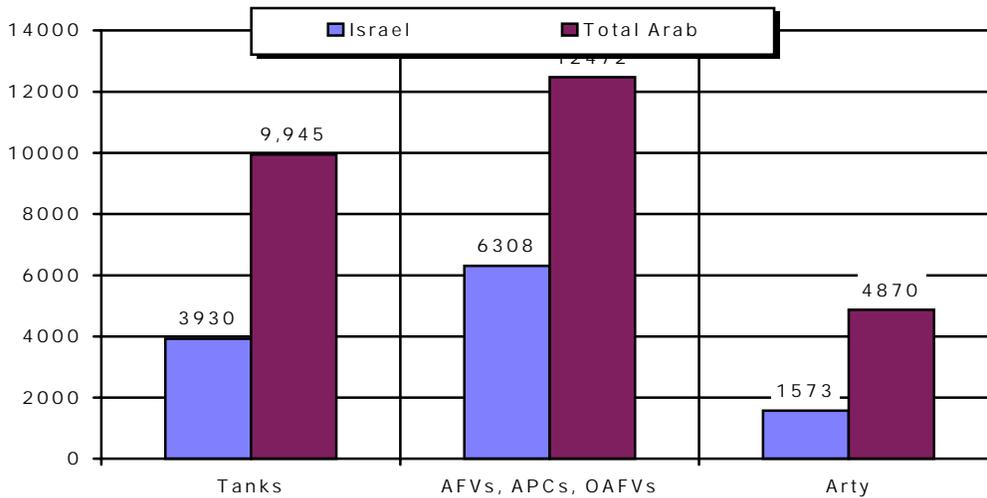
Note: Figures in parenthesis show additional equipment known to be in long-term storage. Some Syrian tanks shown in parenthesis are used as fire points in fixed positions.

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

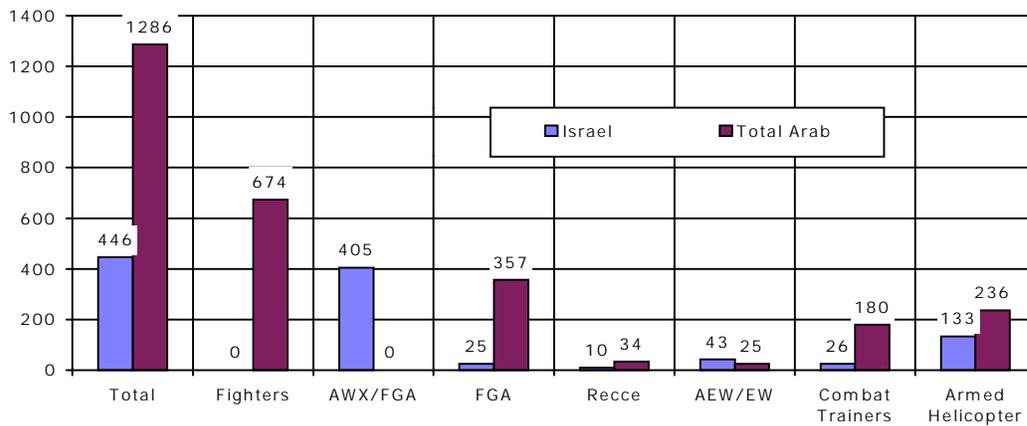
Figure 13.1

Israel Versus Egypt, Syria, Jordan, and Lebanon in 2002

Operational Land Weapons



Operational Combat Aircraft



Note: Total Artillery includes towed and self-propelled tube artillery and multiple rocket launchers. Total air forces include only operational fixed wing fighter, fighter-attack, and reconnaissance aircraft in combat units, less aircraft in combat training units. Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance.

Table 14.1

Algerian, Iranian, Iraqi, and Libyan Forces in 2002: Part One

<u>Category/Weapon</u>	<u>Algeria</u>	<u>Libya</u>	<u>Iran</u>	<u>Iraq</u>
<u>Manpower</u>				
Total Active	124,000	76,000	513,000	424,000
(Conscript)	75,000	40,000	220,000	-
Total Regular	-	76,000	378,000	424,000
Revolutionary Guard and Other	0	?	135,000	0
Total Reserve	150,000	40,000	350,000	650,000
Total Active and Reserve	274,000	116,000	863,000	1,074,000
Paramilitary	181,200	?	40,000	42,000-44,000
<u>Land Forces</u>				
Active Manpower	107,000	45,000	325,000	375,000
(Revolutionary Guards)	-	-	(220,000)	-
(Conscripts)	75,000	25,000		
Reserve Manpower	150,000	-	350,000	450,000
Total Manpower	257,000	45,000	675,000	825,000
Main Battle Tanks	1,089	985(1,040)	1,565	2,200
AIFVs/Armored Cars/Lt. Tanks	1,089	1,630*	865	2,000
APCs/Recce/Scouts/Half-Tracks	945+	990*	625	2,800
ATGM Launchers	-	3,000*	420+	480+
SP Artillery	185	450*	310	150
Towed Artillery	418	720*	2,085	1,900
MRLs	126	700*	664+	500
Mortars	330+	-	5,000	2,000+
SSM Launchers	-	120	47	6-24
AA Guns	905	600+*	1,700	5,500
Lt. SAM Launchers	1,000+	2,500+*	700	1,100

* Extensive, but unknown amounts inoperable or in storage.

Table 14.1Algerian, Iranian, Iraqi, and Libyan Forces in 2002: Part Two

<u>Category/Weapon</u>	<u>Algeria</u>	<u>Libya</u>	<u>Iran</u>	<u>Iraq</u>
<u>Air & Air Defense Forces</u>				
Active Manpower	10,000	23,000	45,000	52,000
(Air Defense Only)	NA	?	(15,000)	(17,000)
Reserve Manpower	-	-	--	-
(Air Defense Only)	NA	?	-	-
<u>Aircraft</u>				
Total Fighter/FGA/Recce	176	372	283	315
Bomber	0	6	0	6?
Fighter	114	183	174	180
FGA/Fighter	48	172	690	130
Recce	4	11	15	8
Airborne Early Warning (AEW/EW)	0	0	(1)	0
<u>Maritime Reconnaissance (MR)</u>				
Combat Capable Trainer	8	21	35	155
Tanker	0	0	4	2
Transport	27	81	60	34
<u>Helicopters</u>				
Attack/Armed/ASW	63	41	(100)	(120)
Other	50	98	512?	380
Total	113	150	612?	500
<u>SAM Forces</u>				
Batteries	9	39		
Heavy Launchers	43	236	155	340
Medium Launchers	-	?	52	200
AA guns	-	?	-	6,000
<u>Naval Forces</u>				
Active Manpower	7,000	8,000	40,600	2,000
Regular Navy		8,000	20,600	2,000
Naval Guards		-	20,000	0
Marines		-	2,600	-
Reserve Manpower	-	-		-
Total Manpower	-	-		2,000
Submarines	2	2(2)	6	0
Destroyers/Frigates/Corvettes	8	5	5	0
Missile	5	5	2	0
Other	3	0	3	0
Missile Patrol	9(2)	13(8)	20	1
Coastal/Inshore Patrol	3	-	41	5
Mine	0	6	7	3
Amphibious Ships	3	4(1)	9	0
Landing Craft/Light Support	3	12	9	2
MPA/ASW/Combat Helicopter	0	-/32	-/29	(6)

Note: Figures in parenthesis are additional equipment in storage. Total equipment holdings for the Iranian land forces include 470 tanks, 620 other armored vehicles, 360 artillery weapons, 40 rocket launchers, and 140 anti-aircraft weapons with the land units of the Revolutionary Guards. Iranian & Iraqi attack helicopters are in the army. Only about 60% of the US supplied fixed wing combat aircraft in Iran are operational and 80% of the Chinese supplied aircraft.

Source: Adapted by Anthony H. Cordesman from data provided by US experts, and the IISS, Military Balance

