

**WATER AND SANITATION
FOR HEALTH PROJECT**



**COORDINATION AND
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The WASH Project is managed by Camp Dresser & McKee Incorporated. Principal Cooperating Institutions and subcontractors are: International Science and Technology Institute; Research Triangle Institute; University of North Carolina at Chapel Hill; Georgia Institute of Technology—Engineering Experiment Station.

**SUMMARY OF
WASH PROJECT
ACTIVITIES FOR
BUREAU FOR NEAR EAST**

September 1, 1980 - May 26, 1984

-SYNOPSIS-

BEST AVAILABLE COPY

Summary of WASH Project Activities for Bureau for Near East
September 1, 1980 - May 26, 1984

-SYNOPSIS-

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Summary of AID Water Supply and Sanitation Projects by Bureaus: 1976-1984

Bureau	FY 76+T.Q. Actual (\$000's)	FY 77 Actual (\$000's)	FY 78 Actual (\$000's)	FY 79 Actual (\$000's)	FY 80 Actual (\$000's)	FY 81 Actual (\$000's)	FY 82 Actual (\$000's)	FY 83 OYB (\$000's)	FY 84 CP (\$000's)
Africa									
DA	--	500	992	3,360	6,359	10,206	7,885	4,675	2,445
SH	--	--	1,000	4,168	2,914	2,809	4,022	--	--
ES	--	--	--	--	--	--	--	--	--
FDA	500	--	--	--	--	2,000	6,000	6,445	--
Asia									
DA	20,000	6,800	3,684	3,500	16,104	10,150	3,033	5,200	--
ES	--	--	--	--	--	--	--	--	--
Latin America									
DA	--	4,748	581	8,754	18,621	676	5,520	5,700	1,000
ES	--	--	--	--	--	--	--	9,700	--
Near East									
DA	3,627	11,738	5,752	4,450	3,363	5,650	3,800	3,079	1,077
ES	22,500	87,000	120,000	158,921	23,500	125,100	10,000	344,500	215,000
FDA	--	--	--	--	--	--	--	2,800	--
Science & Technology									
DA	241	253	340	962	4,426	3,706	2,450	2,400	2,300
TOTAL Development Assistance (Includes Sahel)	23,868	24,039	12,349	25,194	51,787	33,197	26,710	21,054	6,818
TOTAL Economic Support (Includes FDA)	23,000	87,000	120,000	158,921	23,500	127,100	16,000	363,445	215,000
Sub-TOTAL (appropriated)	46,868	111,039	132,349	184,115	75,287	160,297	42,710	384,499	221,818
Allowing WS&S Components			45,000	55,000	70,500	42,000	46,000	46,000	60,000
Grand Total WS&S	46,868	111,039	177,349	239,115	145,787	202,297	88,710	430,499	281,818

A.I.D. PROJECT DATA LISTINGS

The following section has three parts:

1. An explanatory description of the A.I.D. Water Resources and Environmental Health Information Data Base developed by the WASH Project for the Office of Health using an Apple II Microcomputer. It includes definitions and comments on procedures used and data sources, a sample computer terminal display layout of the input format, and an Appendix A that identifies the alphabetical coding of project characteristics - functional subcategories, activity codes, scope, agents and service level.
2. A computer print-out of Regional Bureau projects identified as having a water supply and/or environmental sanitation component. It includes country project title, project number, beginning and ending fiscal years, appropriation source, functional subcategories included in the projects and fiscal year funding from 1976 through 1984. Funding is sub-totalled by year for each country.
3. A computer print-out similar to the above. It includes only potable water supply and sanitation projects. Funding data for these projects covers fiscal years 1980-1985.

AID WATER SUPPLY AND ENVIRONMENTAL HEALTH PROJECTS
INFORMATION DATA BASE: FY 1973 - Present

DEFINITION OF PROJECTS INCLUDED IN DATA BASE:

Those A.I.D. supported projects in which water, its development, use, management, and environmental sanitation activities appears as an element in any project as a development activity.

PROCEDURES USED TO IDENTIFY PROJECTS:

1. A.I.D. ST/DIU Design and Evaluation computer files were reviewed for initial identification of projects which included water as a key word in the description of the project.

2. A.I.D. Congressional Presentations were reviewed from FY 1978-1983 for project identification and funding data.

3. A.I.D. PFC Reports on Summaries of Obligations by Appropriation and Functional Subcategories for FY 1983 Congressional Presentation have been used as current sources of project funding data for FY 1978 through requested FY 1983.

4. Early historical Health Account funding files maintained in ST/Health provided additional references for project identification and funding data. Office of Financial Management provided obligation information on a limited number of projects funded between FY 1973 and FY 1978.

5. Reports on Active and Completed projects prepared by A.I.D.'s Office of Financial Management (W-253 Reports) were also used for funding references.

PROCEDURES USED TO ENTER DATA INTO SYSTEM:

1. Initial project identification has been done by reviewing projects for each A.I.D. Regional Bureau and the Central Bureau for Science and Technology.

2. Data has been entered on an Apple II+ microcomputer. Use has been made of software programs such as VISICALC, VISIFILE, VISITREND/VISIPLOT, CONDOR, and APPLE II BUSINESS GRAPHICS.

3. Data is stored on floppy disks. Files are maintained on the disks by Bureau. Project data include: Title, Project Number, Beginning and End Year, Life of Project Funding, Appropriation code (from which project funded), Agent(Implementor), Scope(National, Pilot, etc.), No. of Beneficiaries(where info available), Cost per Beneficiary(where available), Service level(taps,springs,etc.), Activity Codes and SUBCATS (See attached for description), Water Component Code to determine whether water is major project activity or only a component part of the project, and Fiscal Year funding data FY 1973 to present.

4. Printouts of the data can be made easily by selecting out desired information through search procedures of files stored in the data base.

5. The data base currently contains over 600 records.

DATA ANALYSIS:

1. Graphics software is being used to plot and chart a variety of presentations based on information contained in the data base. Separate files have been created of computed funding data by Activity codes, SUBCATS, Appropriation codes, Bureaus, and Fiscal Year.

2. A variety of graphic and statistical summaries are possible using the APPLE II and a compatible printer. Line, bar, area and pie charts can be produced as well as funding trend forecasting.

<<< W A T E R >>>

[REG].....: ---
[COUNTRY].....: _____
[TITLE].....: _____
[PROJ#].....: _____
[LOP\$].....: _____
[APPR].....: _____
[AGENT].....: _____
[BEG].....: ---
[END].....: ---

[FY73] _____ [FY74] _____ [FY75] _____ [FY76] _____
[FY77] _____ [FY78] _____ [FY79] _____ [FY80] _____
[FY81] _____ [FY82] _____ [FY83] _____ [FY84] _____

[SCOPE].....: _____
[#BENEF].....: _____
[COST/BENEF]..: _____
[SVC.LEVEL]...: _____
[ACT.CODE]...: _____
[SUBCAT].....: _____

[WTRCOMP].....: _____
<<< G L O B A L >>>

[REG]: ---
[OFFICE]: _____
[TITLE]: _____
[PROJ#]: _____
[LOP\$]: _____
[APPR]: _____
[AGENT]: _____
[BEG]: ---
[END]: ---
[FY73]: _____ [FY74]: _____ [FY75]: _____ [FY76]: _____
[FY77]: _____ [FY78]: _____ [FY79]: _____ [FY80]: _____
[FY81]: _____ [FY82]: _____ [FY83]: _____ [FY84]: _____

[SCOPE]: _____
[SERVICE LEVEL]: _____
[ACT.CODE]: _____
[SUBCAT]: _____
[WTRCOMP]: _____

APPENDIX A
FUNCTIONAL SUBCATEGORIES:

WSS	WATER SUPPLY AND SANITATION	IRG	IRRIGATION
WRM	WATER RESOURCES MANAGEMENT	FSH	FISHERIES
PHC	PRIMARY HEALTH CARE	NUT	NUTRITION
HIG	HOUSING INVESTMENT GUAR.	ENG	ENERGY
WLS	WATER FOR STOCK PONDS	WRD	WATER RESOURCES DEV.
WSD	WATER SUPPLY DEVELOPMENT	WAT	WATER SUPPLY (POT.)
ST	SCIENCE AND TECHNOLOGY		
GWD	GROUND WATER DEVELOPMENT	EVH	ENVIRONMENTAL HEALTH
TDC	TROPICAL DISEASE CONTROL	SST	SEW. OR SEWAGE TREAT.

ACTIVITY CODES:

TT TECHNOLOGY TRANSFER/TECHNICAL ASSISTANCE
HR HUMAN RESOURCES DEVELOPMENT (TRAINING)
RD RESEARCH AND DEVELOPMENT
ID INFRASTRUCTURE DEVELOPMENT
CP COMMUNITY PARTICIPATION
PV PRIVATE SECTOR INVOLVEMENT
FE FEASIBILITY STUDIES
HE HEALTH EDUCATION

SCOPE:

NATIONAL	PILOT
PROVINCIAL	REGIONAL
MULTI-PROVINCIAL	URBAN
DISTRICT	RURAL

AGENT:

UNC UNIVERSITY CONTRACT
PVD PRIVATE VOLUNTARY AGENCY
NGO NON-GOVERNMENT AGENCY
PSC PERSONAL SERVICES CONTRACT
PVC PRIVATE SECTOR CONTRACT
MLT MULTILATERAL AGENCY
HCC HOST COUNTRY CONTRACTOR
LDC HOST COUNTRY GOVERNMENT
PEC PEACE CORPS
PAS PASA (INTERAGENCY AGREEMENT)

SERVICE LEVEL:

SPRING CAPTATION	WELLS	SEWERS
PIT LATRINES	DIKES	PONDS
COMMUNITY TAPS	DAMS	HAND PUMPS
INDIVIDUAL HOUSE CONNECTIONS		PERCOLATION
METERED HOUSE CONNECTIONS		STORAGE TANKS

NEAR EAST PROJECTS WITH A WATER SUPPLY AND OR SANITATION COMPONENT

DATE: 04/15/83

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COUNTRY	TITLE	PROJ#	APPR	BEG	END	AGENT	ACT.CODE	SUBCAT	L0P\$	FY76	FY77	FY78	FY79	FY80	FY81	FY82	FY83	FY84
Afghanistan	Nat. Agric. Develop. Hydrology	G 3060002	FM	52	73	PAS	FE, ID	IRG, WAT, ENG	11566	0	0	0	0	0	0	0	0	0
								Subtotal	11566	0	0	0	0	0	0	0	0	0
Egypt	Basic Village Services	G 2630103	ES	80	83	LDC	CP, FE, ID, TT	WAT	70000	0	0	0	0	70000	0	0	0	0
Egypt	Housing	L 2630066	HIG	78	78	LDC	TT, PV	WSS, HIG, WAT	13640	0	0	13640	0	0	0	0	0	0
Egypt	Low Income Housing	G 2630066	ES	78	84	PVC	ID, TT	WSS, HIG, WAT	80000	0	0	13640	0	28100	1900	0	0	0
Egypt	Technical & Feas. Studies II	G 2630013	ES	76	76	PVC	TT, FE	WAT, IRG, SST	15000	15000	0	0	0	0	0	0	0	0
Egypt	Technical & Feas. Studies III	G 2630042	ES	78	81	PVC	TT, HR, FE	WAT, IRG	31000	0	0	31000	0	0	0	0	0	0
								Subtotal	209640	15000	0	58280	0	98100	1900	0	0	0
Jordan	Technical Serv. Feasibility II	G 2780224	ES	79	80	PVC	FE, TT	WSS, SST	5700	0	0	0	5700	0	0	0	0	0
Jordan	Technical Services Feasibility	G 2780181	ES	76	78	PVC	FE, TT	WAT, IRG	5417	1450	2000	1980	13	0	0	0	0	0
Jordan	Village Development II	L 2780205	ES	78	82	PVC	CP, TT	WSS, HIG, WAT	8000	0	0	8000	0	0	0	0	0	0
Jordan	Village Development Services	L 2780183	ES	75	77	PVC	TT, ID	WSS, WAT	14150	0	0	0	0	0	0	0	0	0
Jordan	Zarqa Tria/Irrigation	L 2780179	FM	75	75		TT, HR	IRG, WAT	4500	0	0	0	0	0	0	0	0	0
								Subtotal	37767	1450	2000	9980	5713	0	0	0	0	0
Lebanon	Health Sector Rehabilitation	G 2680305	ES	78	79		TT	WSS, WAT	4900	0	0	4900	0	0	0	0	0	0
Lebanon	Housing Guarantee Program	L 268HG02	HIG	78	78	LDC	TT	WSS	15000	0	0	0	0	0	0	0	0	0
Lebanon	Wastewater Management	G 2680321	ES	83	85		ID, TT	SST, EVH	6500	0	0	0	0	0	0	0	2000	0
								Subtotal	26400	0	0	4900	0	0	0	0	2000	0
Morocco	Housing Investaent Guarantee	L 608HG01	HIG	79	80	LDC	TT, ID, PV	HIG, WAT, WSS	25000	0	0	0	12500	12500	0	0	0	0
Morocco	Housing Investaent Loan II	L 608HG02	HIG	81	81	LDC	TT, ID	HIG, WSS, WAT	65387	0	0	0	0	0	65387	0	0	0
Morocco	Low Cost Housing	G 6080156	SD	80	83	PVO	TT, ID, CP	HIG, WAT, SST	900	0	0	0	0	600	199	100	0	0
Morocco	Renewable Energy Development	G 6080159	SD	83	84	PVC	RD, HR	ENG, IRG, WAT	9200	0	0	0	0	0	0	0	1500	1880
								Subtotal	100487	0	0	0	12500	13100	65586	100	1500	1880
Portugal	Azores Rehabilitation II	G 1500025	ES	81	81	PVC	TT, ID	HIG, WAT	5000	0	0	0	0	0	5000	0	0	0
								Subtotal	5000	0	0	0	0	0	5000	0	0	0
Regional	Project Develop. & Support	G 2980035	HE	67	C	USAID	FE, TT	WAT, WSS	0	0	0	0	0	0	0	0	100	200
Regional	Project Development & Support	G 2980150	ES	78	88	PSC	FE, TT	WSS, EVH, WAT	2324	0	0	28	207	317	2890	1000	1000	1000
Regional	Regional Cooperation	G 2980158	ES	81	88		FE, TT	WSS, EVH, WAT	18592	0	0	0	0	0	4572	4000	7500	7000
Regional	West Bank/Gaza Development	G 2980159	ES	75	85	PVO	TT, CP	EVH, WSS, WAT	21001	0	3000	3000	3001	0	0	6000	6500	7000
								Subtotal	39917	0	3000	3028	3208	317	7482	11000	15100	15200
Syria	Technical Feas. Studies II	G 2760005	ES	77	77	PSC	FE, TT	WSS, EVH, WAT	3500	0	3500	0	0	0	0	0	0	0
Syria	Technical Feas. Studies III	G 2760026	ES	78	78		FE, TT	WSS, WAT	2000	0	0	2000	0	0	0	0	0	0
								Subtotal	5500	0	3500	2000	0	0	0	0	0	0
Tunisia	Housing Guarantee Loan	L 664HG03	HIG	78	82	PVC	TT	HIG, WAT	2960	0	0	2960	0	0	0	0	0	0
Tunisia	Rural Community Health	G 6640296	HE	78	81	PVC	TT, CP, HR	PHC, EVH, WAT	2239	0	0	1000	0	0	630	0	0	0
Tunisia	Rural Community Health	L 6640296	HE	81	83	PVC	TT, CP, HR	PHC, EVH, WAT	5390	0	0	0	0	0	5390	0	0	0
								Subtotal	10589	0	0	3960	0	0	6020	0	0	0
Yemen	Community Based Rural Dev. I	G 2790031	FM	78	80	PVO	CP, HR	WAT	1390	0	0	1040	350	0	0	0	0	0
Yemen	Pre-Development Studies	G 2790023	SD	73	74	PVC	FE	WSS, WAT	437	14	0	0	0	0	0	0	0	0
Yemen	Tihama Primary Health Care	G 279065	HE	81	87	PVO	TT, HR, CP	PHC, WAT	11500	0	0	0	0	0	2270	1000	2000	2000
								Subtotal	13327	14	0	1040	350	0	2270	1000	2000	2000
								Total	460193	16464	8500	83188	21771	111517	88258	12100	20600	19080

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NEAR EAST WATER SUPPLY AND SANITATION PROJECTS

DATE: 07/13/84

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COUNTRY	TITLE	PAPPR	BEG	END	AGENT	ACT.CODE	SUBCAT	LDP#	FY73	FY74	FY75	FY76	FY77	FY78	FY79	FY80	FY81	FY82	FY83	FY84	FY85
Afghanistan	Special Devel:Herat Water	G 3060103	SD	65	73	FE,TT	WAT	32	0	0	0	0	0	0	0	0	0	0	0	0	0
							SUBTOT	32	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	Alexandria Sewage I	L 2630089	ES	77	84	PVC TT, ID, HR	SST	15000	0	0	0	0	15000	0	0	0	0	0	0	0	0
Egypt	Alexandria Sewer Expansion II	G 2630100	ES	79	86	PVC TT, ID	SST	198700	0	0	0	0	0	0	87321	0	0	0	79600	31900	0
Egypt	Cairo Sewage	G 2630091	ES	78	86	PVC TT, ID, HR	SST	129000	0	0	0	0	0	25000	0	0	74100	0	29700	0	0
Egypt	Cairo Sewerage II	G 2630173	ES	84	90	PVC TA, TT, ID	SST, WSS	445000	0	0	0	0	0	0	0	0	0	0	0	70000	95000
Egypt	Cairo Water System	G 2630038	ES	77	85	PVC CP, HR, TT	WAT, EVH, PHC	61400	0	0	0	0	30000	0	0	0	31060	0	0	0	30000
Egypt	Cairo Water System	L 2630038	ES	77	85	PVC CP, TT, HR	WAT, EVH, PHC	30000	0	0	0	0	30000	0	0	0	0	0	0	0	0
Egypt	Canal Cities Water & Sanit.	G 2630048	ES	79	85	PVC TT, HR, ID	WAT, SST, WSS	109000	0	0	0	0	0	0	36000	0	0	0	87000	0	0
Egypt	Canal Cities Water & Sanit.	L 2630048	ES	78	85	PVC TT, HR, ID	WSS, SST, WAT	60000	0	0	0	0	0	60000	0	0	0	0	0	0	0
Egypt	Provincial Cities	G 2630161	ES	81	87	PVC ID, TT, PV	WAT, HIG, SST	75000	0	0	0	0	0	0	0	0	20000	0	0	0	0
							SUBTOT	1123100	0	0	0	0	75000	85000	123321	0	125100	0	196500	101900	98000
Israel	Desalting Plant	G 2710005	ES	75	85	PVC TT, RD, FE	WRD, WAT	20000	0	0	20000	0	0	0	0	0	0	0	0	0	0
							SUBTOT	20000	0	0	20000	0	0	0	0	0	0	0	0	0	0
Jordan	Amman Water and Sewerage	L 2780220	ES	78	84	PVC TT, HR	WSS, SST, WAT	39000	0	0	0	0	0	28500	10500	0	0	0	0	0	0
Jordan	Aqaba Sewerage	L 2780206	ES	79	84	PVC TT	SST	7500	0	0	0	0	0	0	7500	0	0	0	0	0	0
Jordan	Irbid Water and Sewerage	G 2780233	ES	80	89	PVC TT, ID	WSS, SST, WAT	2500	0	0	0	0	0	0	0	2500	0	0	0	0	0
Jordan	Irbid Water and Sewerage	L 2780233	ES	80	85	PVC TT, ID	WAT, SST, WSS	21000	0	0	0	0	0	0	0	21000	0	0	0	0	0
Jordan	Water Systems and Services Mgt	G 2780259	ES	83	89	TT, PV, HR	WAT, WSS, SST	4000	0	0	0	0	0	0	0	0	0	0	3000	1000	0
Jordan	Water Systems and Services Mgt	L 2780259	ES	83	89	LDC TT, PV, ID	WAT, SST, WSS	17000	0	0	0	0	0	0	0	0	0	0	10000	7000	0
Jordan	Zarqa-Ruseifa Water	G 2780234	ES	83	83	PVC TT, ID	WSS, SST, WAT	5000	0	0	0	0	0	0	0	0	0	0	5000	0	0
Jordan	Zarqa-Ruseifa Water Supply	L 2780234	ES	82	82	PVC TT, ID	WSS, SST, WAT	10000	0	0	0	0	0	0	0	0	0	10000	0	0	0
							SUBTOT	106000	0	0	0	0	0	28500	18000	23500	0	10000	18000	8000	0
Lebanon	Potable Water&Envir.Sanitation	G 2680330	ES	84	84	TT, PV, ID	WAT, SST, WSS	4400	0	0	0	0	0	0	0	0	0	0	0	0	22000
Lebanon	Potable Water&Envir.Sanitation	G 2680330	IDA	83	83	PVC TT, FE, ID	WAT, WSS, SST	2800	0	0	0	0	0	0	0	0	0	0	2750	0	0
Lebanon	Rural Potable Water	G 2680306	ES	78	81	MLT TT, HR	WAT	6500	0	0	0	0	0	6500	0	0	0	0	0	0	0
							SUBTOT	13700	0	0	0	0	0	6500	0	0	0	0	2750	22000	0
Portugal	Basic Sanitation I	L 1500005	ES	76	76	PVC TT, ID	WSS, SST	8000	0	0	0	8000	0	0	0	0	0	0	0	0	0
Portugal	Basic Sanitation II	L 1500010	ES	77	82	LDC TT, ID, HR	WSS, SST	12000	0	0	0	0	12000	0	0	0	0	0	0	0	0
							SUBTOT	20000	0	0	0	8000	12000	0	0	0	0	0	0	0	0
Syria	Damascus Water I	L 2760008	ME	75	84	PVC TT, ID	WAT	48000	0	0	48000	0	0	0	0	0	0	0	0	0	0
Syria	Damascus Water II	L 2760010	ES	76	81	PVC TT, ID	WAT	14500	0	0	0	14500	0	0	0	0	0	0	0	0	0
Syria	Provincial Water Supply	L 2760024	ES	79	84	LDC TT, HR, ID	WAT	17600	0	0	0	0	0	0	17600	0	0	0	0	0	0
							SUBTOT	80100	0	0	48000	14500	0	0	17600	0	0	0	0	0	0
Tunisia	Bizerte Wells (CARE)	G 6640286	HE	75	76	PVD TT, HE, HR	WAT	154	0	0	105	50	0	0	0	0	0	0	0	0	0
Tunisia	CTRD:Kasserine(14)	G 6640312	HE	80	80	PVO TT, HR, CP	WAT, EVH, WSS	1050	0	0	0	0	0	0	0	1050	0	0	0	0	0
Tunisia	CTRD:Potable Water (04)	G 6640312	HE	79	83	PVO TT, HR, HE	WSS, WAT	750	0	0	0	0	0	0	750	0	0	0	0	0	0
Tunisia	CTRD:Siliana Water (05)	G 6640312	HE	79	83	PVO TT, CP	WAT	492	0	0	0	0	0	0	492	0	0	0	0	0	0
Tunisia	CTRD:Well Drilling (07)	G 6640312	HE	79	84	PVO TT, CP	WAT	2190	0	0	0	0	0	0	1050	0	0	0	0	0	0
Tunisia	Kairouan Water Facility	G 6640298	HE	77	78	PVO TT, HE, HR	WSS, WAT	345	0	0	0	0	228	118	0	0	0	0	0	0	0
Tunisia	Lekef Potable Water	G 6640313	HE	78	79	PVO TT, HE, HR	WSS, WAT	344	0	0	0	0	0	344	0	0	0	0	0	0	0
Tunisia	Lekef Wells Rehabilitation	G 6640288	HE	76	78	PVO TT, CP, HR	WAT	45	0	0	0	45	0	0	0	0	0	0	0	0	0
Tunisia	Siliana Rural Centers	L 6640318	HE	78	84	LDC TT, CP	WAT	3500	0	0	0	0	0	3500	0	0	0	0	0	0	0
Tunisia	Siliana Water Project	G 6640299	HE	76	77	PVO TT, CP, HR	WAT	267	0	0	0	267	0	0	0	0	0	0	0	0	0
							SUBTOT	9137	0	0	105	362	228	3962	2292	1050	0	0	0	0	0
Yemen	Rural Water Supply	G 2790022	HE	74	79	PVC TT, CP, HR	WAT	4894	0	795	1217	1725	890	210	0	0	0	0	0	0	0

NEAR EAST WATER SUPPLY AND SANITATION PROJECTS

DATE: 07/13/84

PAGE: 2

COUNTRY	TITLE	PAPR	BEG	END	AGENT	ACT.CODE	SUBCAT	LOP#	FY73	FY74	FY75	FY76	FY77	FY78	FY79	FY80	FY81	FY82	FY83	FY84	FY85	
Yemen	Sanaa Water Supply	6 2790021	HE	73	75	PSC	TT, ID	WAT	743	300	160	283	0	0	0	0	0	0	0	0	0	0
Yemen	Small Rural Water Systems	6 2790044	HE	79	83	PVD	ID, HR, HE, CP	WAT, EVH	8700	0	0	0	0	0	144	1527	650	1500	3656	1400	3500	0
Yemen	Taiz Water & Sewer Design	6 2790027	FN	76	78	FE		WSS, SST, WAT	1475	0	0	0	1475	0	0	0	0	0	0	0	0	0
Yemen	Taiz Water & Sewer Design	6 2790027	HE	76	78	FE		WSS, SST, WAT	185	0	0	0	65	0	0	0	0	0	0	0	0	0
Yemen	Taiz Water and Sewage	6 2790039	HE	77	83	PVC	TT, ID, HR	WSS, SST, WAT	11200	0	0	0	0	10000	0	0	0	0	0	0	0	0
Yemen	Taiz Water and Sewers	L 2790039	HE	81	83	PVC	TT, ID, HR	WAT, SST, NSS	5000	0	0	0	0	0	0	0	0	1200	0	0	0	0
Yemen	Taiz Water Rehabilitation	6 2790017	FN	73	74	PVC	TT, HR	WAT	457	330	161	0	0	0	0	0	5000	0	0	0	0	0
Yemen	Water Supply System Management	6 2790028	HE	77	82		HR, TT, PV	WAT	6100	0	0	0	0	620	1580	2014	786	0	1100	0	0	0
							SUBTOT		38754	630	1116	1500	3265	11510	1790	2158	2313	5650	3800	3656	1400	3500
							TOTAL		1410823	630	1116	69605	26127	98738	125752	163371	26863	130750	13800	220906	133300	101500

Summary of WASH Project Activities
for Near East Bureau

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Summary of WASH Project Activities

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T - 20	Lebanon	F.R. #10
T - 31	Jordan	F.R. #17
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T - 51	NE Bureau	
T - 52	Tunisia	T.R. # 8 & F.R. #29
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T - 59	Jordan	F.R. #36
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T - 77	Egypt	F.R. #52
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T -158	Tunisia/RHUDO	F.R. #109
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T -160	NE Bureau	F.R. #117 & 118
T -161	Yemen	F.R. #22
T -171	Turkey	
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T -180	Egypt	
T -181	Tunisia/RHUDO	
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*The April 1984 List of WASH Publications is the last section of this report. F.R. indicates a Field Report; T.R. indicates a Technical Report.

Summary of WASH Project Activities for Near East Bureau
September 2, 1980 - May 26, 1984

WASH Number	Country/Bureau	Title	Person Days Authorized	Estimated Costs	Status*
T- 3	NE Bureau	Project Design Manual - References Development	3	\$ 6,338	C
T-15	Tunisia	Well Drilling Equipment Specifi- cations and Procedures	21	\$ 6,543	C
	Tunisia	Technical Assistance in Local Manufacturing and Installation of AID Handpumps and Robovalves (Georgia Tech contract - 1 yr.)		\$ 100,000	C
T-20	Lebanon	Design and Analysis of Small Wastewater Stabilization Ponds	35	\$ 11,444	C
T-31	Jordan	Wastewater Treatment Design Review and Guideline Preparation	33	\$ 8,681	C
T-39	Yemen	Evaluation of the Water Supply Systems Management Project for the National Water and Sewage Authority (NWSA)	80	\$ 45,838	C
T-51	NE Bureau	Implementation of Workshop on Excreta Disposal in Non-Sewered Areas	61	\$ 21,853	C
T-52	Tunisia	Participation in Workshop on Primary Health Care, 31 August 1981, in Sousse, Tunisia	28	\$ 7,532	C
T-55	Jordan	Analysis of Human Resources Develop- ment Needs for the Hashemite Kingdom of Jordan	118	\$ 45,297	C
T-59	Jordan	Technical Assistance for Water Conservation Seminar	60	\$ 17,183	C

*Status

C: Completed
O: Ongoing

Summary of WASH Project Activities for Near East Bureau (Cont.)
September 2, 1980 - May 26, 1984

WASH Number	Country/Bureau	Title	Person Days Authorized	Estimated Costs	Status*
T-61	Morocco	Technical Assistance in Operation and Maintenance of Water Pumping Systems	65	\$ 11,656	C
T-62	Egypt	Technical Assistance with Health Sector Assessment	176	\$ 69,440	C
T-63	Tunisia	Technical Assistance in Local Handpump Manufacture	166	\$ 63,349	C
T-77	Egypt	Planning for Improved Excreta and Wastewater Pilot Demonstration	185	\$ 96,185	C
T-92	Tunisia	Assist Organization RWS Conference	192	\$ 96,103	C
T-111	Morocco	In-Service Training for Peace Corps Volunteers in Potable Water Projects	38	\$ 22,791	C
T-120	Tunisia	Evaluation of Spring Capping Component of Irrigation Project	60	\$ 18,140	C
T-124	Lebanon	Assess Present Activities and Future Needs for Liquid and Solid Wastes and Water Supply	140	\$ 92,287	C
T-134	Lebanon	Development Plan for Collection and Disposal of Solid Wastes	36	\$ 20,237	C
T-146	Tunisia	Design of Research/Action Demonstration Study on Community Participation	20	\$ 7,736	C

*Status

C: Completed
O: Ongoing

Summary of WASH Project Activities for Near East Bureau (Cont.)
September 2, 1980 - May 26, 1984

WASH Number	Country/Bureau	Title	Person Days Authorized	Estimated Costs	Status*
T-158	Tunisia	Sanitation Sector Assessment	115	\$ 52,822	C
T-159	Near East Bureau	Institutional Development Assistance	85	\$ 25,771	0
T-160	Near East Bureau	Human Resources Development Assistance	73	\$ 18,055	0
T-161	Yemen	Evaluation of Rural Water Systems Project	97	\$ 26,450	C
T-171	Turkey	Disaster Assistance	15	\$ 10,260	C
T-177	Egypt	Evaluation of Basic Village Services Project	62	\$ 22,915	0
T-180	Egypt	Assistance in Evaluation of Provincial Cities Project	45	\$ 21,163	0
T-181	Tunisia	Project Paper for RHUDO/Tunisia	75	\$ 18,251	0
T-183	Jordan	Wastewater Site Review	26	\$ 282	0
C-185	Egypt	Demonstration Projects for Unserved Areas of Cairo		\$ 9,592	C
C-292	Lebanon	Disaster Assistance		\$ 24,670	

*Status

C: Completed
0: Ongoing

Wash Costs as of 5/26/84

NEAR EAST BUREAU

USAID BUREAU: NE

:B-0413	Yeman-Evaluation of Rural Water Systems Project	
	WS&S Tech Assist	1,831
	Boston Support	2,068
	CIC Co-ordin.	461
	Supplies	91

		4,451
B-0449	NE Bureau-Assistance on Waste Water Recovery	
	Supplies	31
	CIC Co-ordin.	44

		75
C-0112	Summarize WASH OTDs by Country Information	723

		723
C-0113	Sanitation for Unsewered Areas - NE	
	WS&S Tech Assist	50
	Information	320

		370
C-0140	Planning & Implementation Support for Appropriate Technology Seminar for Arid Areas	
	CIC Co-ordin.	4
	Training	2,274
	Travel	394

		2,672
C-0285	Purchase of Documents for the Near East Bureau	

	CIC Co-ordin.	9

		9
C-0394	HRD Assistance to NE Bureau	
	CIC Co-ordin.	733
	WS&S Tech Assist	2,599
	Miscellaneous	250
	Supplies	174
	Training	2,814
	Travel	86

		6,656
C-0398	Institutional Development Assistance for NE Bureau	
	WS&S Tech Assist	1,815
	Boston Support	10,798
	CIC Co-ordin.	392
	Supplies	1
	Training	1,028
	Travel	21

		14,055
C-0443	Development of Evaluation Methodology for Large Scale WS&S Project	
	WS&S Tech Assist	794

		794
T-0003	Standard References for Near East Bureau (30 copies)	
	Supplies	390
	Information	5,948

		6,338
T-0159	Near East Bureau: Institutional Development Assistance	

Supplies	325
Training	2,922
Miscellaneous	635
Travel	112
WS&S Tech Assist	6,327
Boston Support	12,035
CIC Co-ordin.	3,415

	25,771

T-0160 Near East Bureau: Human Resources Development Assistance

Travel	28
Training	2,472
Supplies	1,539
Miscellaneous	1,265
CIC Co-ordin.	2,283
WS&S Tech Assist	10,468

	18,055

Totals for Not Mission Specific: 79,969

- Egypt :B-0433 Egypt-Technical Assistance to BVS Program

CIC Co-ordin.	145
Supplies	26
Travel	3,212
WS&S Tech Assist	2,261

	5,644

B-0437 Egypt - Evaluation of Provincial Cities Project

WS&S Tech Assist	965

	965

C-0086 Briefing of Haratani on Low Cost Sanitation Options in Cairo, Egypt

	WS&S Tech Assist	106

		106
C-0159	Egypt: Preliminary Activities Leading to Possible OTD	
	WS&S Tech Assist	1,850
	CIC Co-ordin.	14

		1,864
C-0185	Egypt: Demonstration Projects for Unserved Areas of Cairo	
	WS&S Tech Assist	4,584
	Travel	595
	Training	780
	Miscellaneous	55
	CIC Co-ordin.	667
	Boston Support	2,921

		9,592
C-0245	Obtain information on water faucets that minimize wastage, etc.	
	WS&S Tech Assist	1,635
	Information	16

		1,651
T-0062	Egypt: Environmental Health Sub-sector Assessment	
	Tech. Transfer	4,719
	Travel	5,877
	Supplies	1,716
	Miscellaneous	15
	WS&S Tech Assist	37,497
	CIC Co-ordin.	5,453
	Information	14,163

		59,440

T-0077 Egypt: Planning of Unsewered Areas
of Greater Cairo

Miscellaneous	127
Information	6,216
CIC Co-ordin.	2,549
WS&S Tech Assist	44,934
Supplies	8,070
Training	6,216
Travel	21,857
Tech. Transfer	6,216

	96,185

T-0177 Egypt-Evaluation of Basic Village
Services Project

Miscellaneous	343
CIC Co-ordin.	576
WS&S Tech Assist	20,501
Supplies	178
Travel	1,317

	22,915

T-0180 Egypt - Assistance in Evaluation of
Provencial Cities Project

Supplies	9
Travel	2,057
CIC Co-ordin.	331
Boston Support	2,177
WS&S Tech Assist	16,589

	21,163

Totals for Egypt:

229,525

- Jordan

:B-0427 Jordan - Water Supply/Sewage
Collection Practice

WS&S Tech Assist	193
CIC Co-ordin.	3

196

C-0135 Jordan: Preliminary Activities
Leading to OTD

Training	880
WS&S Tech Assist	442
CIC Co-ordin.	208
Information	147

	1,677

C-0156 Jordan: Preliminary Activities
Leading to OTD

CIC Co-ordin.	53
WS&S Tech Assist	948

	1,001

C-0313 Identify consultants for Jordan

WS&S Tech Assist	209
CIC Co-ordin.	144

	353

T-0031 Technical Assistance to Jordan

CIC Co-ordin.	578
Supplies	125
Travel	4,032
WS&S Tech Assist	3,946

	8,681

T-0055 Jordan: Analysis of Human Resources
Development Needs for Jordan

Supplies	1,430
Miscellaneous	25
Information	5,410
Travel	8,735
Tech. Transfer	2,702
Training	11,239
Equipment	26

20

CIC Co-ordin.	3,706
Boston Support	1,064
WS&S Tech Assist	10,960

	45,297

T-0059 Jordan: Water Conservation Seminar

CIC Co-ordin.	782
Information	2,043
WS&S Tech Assist	4,566
Training	3,065
Travel	4,464
Tech. Transfer	2,041
Supplies	222

	17,183

T-0183 Jordan Wastewater Site Review

WS&S Tech Assist	193
CIC Co-ordin.	89

	282

Totals for Jordan:

74,670

- Lebanon

:T-0020 Pilot Waste Stabilization Pond
Asst. to Lebanon

Boston Support	125
CIC Co-ordin.	402
Information	26
Supplies	73
Travel	3,104
WS&S Tech Assist	7,714

	11,444

T-0124 Lebanon: Assess Present Activities
and Future Needs for Liquid and
Solid Wastes and Water Supply

Travel	10,452
--------	--------

Supplies	8,346
Miscellaneous	2,676
CIC Co-ordin.	1,026
Boston Support	58,987
WS&S Tech Assist	10,800

	92,287

T-0134 Lebanon: Plan for Collection and Disposal of Waste

Supplies	724
Travel	3,483
Miscellaneous	29
CIC Co-ordin.	469
WS&S Tech Assist	15,532

	20,237

Totals for Lebanon: 123,968

- Morocco

:T-0061 Morocco: Water Pumping Specialist

WS&S Tech Assist	1,482
CIC Co-ordin.	852
Information	1,023
Supplies	838
Training	3,046
Travel	3,905
Tech. Transfer	510

	11,656

T-0111 Morocco: In-service Training for Peace Corps Volunteers in Potable Water Project

WS&S Tech Assist	6,118
CIC Co-ordin.	468
Miscellaneous	782
Supplies	70
Training	1,024
Travel	2,673

11,135

Totals for Morocco:

22,791

- Tunisia

:B-0393 Tunisia: Preliminary Planning
Leading to Possible OTD to Assist
RHUDO/Tunis

CIC Co-ordin. 878
Miscellaneous 38
Boston Support 9,316
Supplies 5
Travel 31
WS&S Tech Assist 3,436

13,704

B-0430 Tunisia: Preliminary planning for
project paper team for RHUDO

WS&S Tech Assist 1,906
CIC Co-ordin. 182
Supplies 2

2,090

C-0048 Advise Tunis Mission About PVC Well
Supply (became OTD No. 15)

Supplies 2
WS&S Tech Assist 104
CIC Co-ordin. 7

113

C-0179 Establish & Maintain Conference
Call for Every 20 Days of Work on
OTD 63, Tunisia

CIC Co-ordin. 29

29

C-0199 Tunisia: Organizing a Water Supply

Seminar in Tunisia

Supplies	74
CIC Co-ordin.	157
WS&S Tech Assist	229
Training	89

	549

C-0319 Assist Mission in Evaluation of Spring Capping Component of Irrigation Project

CIC Co-ordin.	24

	24

C-0352 Tunisia: Assistance to CTDA in CP Study

Supplies	38
CIC Co-ordin.	353
WS&S Tech Assist	169

	560

T-0015 Advise on Specifications for Well Drilling Rig

Travel	1,454
WS&S Tech Assist	2,806
CIC Co-ordin.	2,283

	6,543

T-0052 Tunisia: USAID Workshop on Primary Health Care

Equipment	49
CIC Co-ordin.	810
WS&S Tech Assist	4,126
Travel	605
Tech. Transfer	289
Information	577
Supplies	499
Training	577

		7,532
T-0063	Tunisia: Handpump Program Assistance	
	Training	7,926
	Supplies	13,610
	Miscellaneous	226
	Information	82
	Travel	14,591
	CIC Co-ordin.	988
	Tech. Transfer	19,008
	WS&S Tech Assist	6,626
	Boston Support	292

		63,349
T-0092	Tunisia Assist Organization RWS Conference	
	Information	1,256
	CIC Co-ordin.	7,196
	Travel	15,306
	Training	6,011
	Boston Support	743
	WS&S Tech Assist	57,621
	Supplies	7,939
	Miscellaneous	31

		96,103
T-0120	Tunisia: Evaluation of Spring Capping Component of Irrigation Project	
	WS&S Tech Assist	13,315
	CIC Co-ordin.	2,670
	Information	14
	Miscellaneous	190
	Supplies	1,637
	Travel	314

		18,140
T-0146	Tunisia: Design of Research-Action	

25

Study on C.P.

Travel	1,516
Supplies	571
Information	45
CIC Co-ordin.	1,057
WS&S Tech Assist	4,547

	7,736

T-0181 Tunisia - Project Paper for
RHUDD/Tunis

Travel	7,034
Supplies	1,384
Miscellaneous	611
CIC Co-ordin.	1,419
WS&S Tech Assist	7,803

	18,251

Totals for Tunisia:

234,723

- Yemen

:C-0073 Identification of Potential
Candidates for TA to Yemen

CIC Co-ordin.	1,386

	1,386

T-0039 Technical Assistance to Yemen

Travel	4,085
Supplies	8
Information	3,683
Equipment	448
CIC Co-ordin.	1,298
Boston Support	181
WS&S Tech Assist	36,135

	45,838

T-0161 Yemen Evaluation of Rural Water
Systems Project

Travel	10,141
Supplies	302
CIC Co-ordin.	833
Boston Support	87
WS&S Tech Assist	15,087

	26,450

Totals for Yemen:	-----
	73,674

T-0051 Workshop - Excreta Disposal in Non-Sewered Areas

WS&S Tech Assist	1,572
CIC Co-ordin.	537
Information	3,144
Miscellaneous	1,323
Supplies	591
Training	7,860
Travel	3,682
Tech. Transfer	3,144

	21,853

T-0158 Tunisia: Sanitation Sector Assessment

WS&S Tech Assist	35,956
Boston Support	689
CIC Co-ordin.	1,755
Information	139
Miscellaneous	959
Travel	7,012
Supplies	6,312

	52,822

T-0171 Turkey - Disaster Assistance

WS&S Tech Assist	7,615
CIC Co-ordin.	165
Supplies	57
Travel	2,423

	10,260

C-0292 Lebanon: Disaster Assistance

Information	59
Travel	17
CIC Co-ordin.	202
Supplies	51
WS&S Tech Assist	4,525
Boston Support	19,816

	24,670

Totals for NE: 839,320

**WATER AND SANITATION
FOR HEALTH PROJECT**



**COORDINATION AND
INFORMATION CENTER**

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WASH Information Center
November, 1983

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Malawi	TR: 4;	FR: 99;		

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