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Impact of the Current Crisis in the West Bank and Gaza Strip

**Survey Report # 38**

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*For more information, please call:*

**Eng. Basema Bashir/ PHG**

**Tel. 02/2966315 or 02/2966316**

**E-mail: [bashir@phg.org](mailto:bashir@phg.org)**

**Website: <http://www.phg.org/campaign>**

## Introduction

This is the thirteenth report prepared by the WaSH Monitoring Program during this phase. The previously distributed reports included information about 577 communities in total. The current report includes information about 32 communities that were surveyed during the past four weeks (December 2006).

In this report, collected data and information, as was done in the previous reports, are presented in different tables where each table reflects at least one of the major problems affecting the WaSH situation in these communities. This report includes summary of the information for communities surveyed during the past four weeks; the total number of these communities is 32. The tables include summary of the collected data and major findings and comments on these tables are also provided.

## **I. Survey results**

### **Table 1: Surveyed Communities**

This table includes communities that were surveyed during the past four weeks. Basic data of these communities is also presented in this table including the date of survey.

### **Table 2: Major WaSH situation indicators in the surveyed communities.**

Data presented in this table was recently added to the used questionnaires. It includes major important indicators that reflect difficulties and major problems affecting these communities.

These indicators are as follows:

1. **Households with year-round access to improved water source (%) and Households with year-round access to unimproved water source (%):** Where **Improved water source** means Household connection, Public standpipe, Borehole, Protected dug well, protected spring, and **unimproved water sources** include: Unprotected well, unprotected spring, Vendor-provided water (Tanker truck water).
2. **Water supplied per capita per day (liter):** estimated quantity of water supplied per each person per day.
3. **Wastewater Network Coverage (%):** percentage of households connected to wastewater network.
4. **Connection to Cesspits or Septic Tank (%):** percentage of households connected to cesspits or septic tanks.
5. **Availability of Solid waste Collection System (%):** percentage of coverage of the wastewater collection system.
6. **Population Suffer from Water Born Diseases (%):** percentage of population affected by water related diseases.
7. **Water Supply Facilities Operated and Maintained by community (%):** percentage of the water supply facilities operated and maintained by the local council in the community.
8. **Cost Recovery for Water Supply Services (%):** percentage of financial coverage of the water supply services provided by the local council; this is reflected in collection of cost of water supply through payment of water bills by the households.
9. **Unaccounted for Water within Water Supply System (%):** percentage of quantity of water lost before reaching the consumer.
10. **Monthly Household Income Spent on Water Supply (%):** estimated percentage from the household income spent on water supply.
11. **Monthly Household Income Spent on Sanitation (%):** estimated percentage from the household income spent on sanitation services, including cost of wastewater vacuum tankers.
12. **Major Community Problems and Needs:** summarizes major current problems and needs of the community according to the local council.

**Table 3: Relative change in tankers water price**

This table presents the estimated price of one cubic meter transported through tankers in New Israeli Shekels (NIS), which is about US\$ 0.22. Price paid per cubic meter now (i.e. during the current crisis) and price paid before the current Intifada are presented.

**Table 4: Effects of fixed checkpoints on communities**

In this table, name as well as weight of effect (where 2 is for high effect, i.e. complete block of the road; 1 is for intermediate effect, i.e. delays for several hours) of the fixed checkpoints are presented. Effects on tankers water supply, on maintenance team access, and on Public Health Centers (PHC) access are evaluated and presented in the table.

**Table 5: Effects of mobile checkpoints, earth mounds, curfew, and the Wall on communities.**

Effects of mobile/ flying checkpoints, earth mounds, curfew, and the Wall on surveyed communities are presented, where and as was presented for the fixed checkpoints: 2 is for high effect, i.e. complete block of the road; 1 is for intermediate effect, i.e. delays for several hours.

**Table 1: Surveyed Communities**

No.	Community ID	Community Name	Governorate	Population 2006	Survey Date
1	503405	'Arab al Fureijat	Hebron	460	17/10/2006
2	503270	Khirbet Deir Shams	Hebron	60	24/9/2006
3	502800	Tarusa	Hebron	60	17/9/2006
4	502880	Birin	Hebron	188	7/11/2006
5	502930	Khirbet Abu Hamid	Hebron	120	8/11/2006
6	10045	'Anin	Jenin	4021	21/11/2006
7	10015	Ti'innik	Jenin	1184	21/11/2006
8	10080	Al Yamun	Jenin	17992	20/11/2006
9	10050	'Arrana	Jenin	2318	20/11/2006
10	10005	Zububa	Jenin	2296	18/11/2006
11	10260	Al Manshiya	Jenin	172	19/11/2006
12	10185	Jenin Camp	Jenin	13199	17/11/2006
13	10030	Al Jalama	Jenin	2491	21/11/2006
14	10035	Silat al Harithiya	Jenin	10638	19/11/2006
15	10020	At Tayba	Jenin	2579	20/11/2006
16	151335	Qabalan	Nablus	7836	20/11/2006
17	150835	Zawata	Nablus	2054	8/11/2006
18	150660	Bizzariya	Nablus	2326	5/11/2006
19	150785	An Naqura	Nablus	1792	6/11/2006
20	150810	Deir Sharaf	Nablus	2983	8/11/2006
21	150855	Qusin	Nablus	1875	11/11/2006
22	151450	Khirbet Sarra	Nablus	40	12/11/2006
23	150875	Beit Wazan	Nablus	1211	13/11/2006
24	150890	Al Juneid	Nablus	418	14/11/2006
25	151220	Ar Rajman	Nablus		16/11/2006
26	151176	Khirbet Tana	Nablus		16/11/2006
27	151160	'Urif	Nablus	3069	18/11/2006
28	151325	Yatma	Nablus	3223	14/11/2006
29	150955	Salim	Nablus	5495	19/11/2006
30	301780	Deir Ibzi'	Ramallah	2248	17/12/2006
31	301660	Deir 'Ammar Camp	Ramallah	2410	17/12/2006
32	301645	Silwad Camp	Ramallah	458	17/12/2006

**Table 2: Major WaSH situation indicators in the surveyed communities.**

No.	Community Id	Community Name	Governorate	Households with year-round access to improved water source %	Households with year-round access to unimproved water source %	Water used per capita per day (liter)	Wastewater Network Coverage %	Connection to Cesspits or Septic Tank %	Availability of Solid waste Collection System %	Population Suffer from Water Born Diseases %	Water Supply Facilities Operated and Maintained %	Cost Recovery for Water Supply Services %	Unaccounted for Water within Water Supply System %	Monthly Household Income Spent on Water Supply %	Monthly Household Income Spent on Sanitation %	Community Needs and Comments
1	10005	Zububa	Jenin	20	80	70	0	100	100	6	0	40	30	7	2	Needs include finding new water source.
2	10015	Ti'innik	Jenin	60	40	65	0	100	80	5	100	20	15	5	2	Needs include rehabilitation of the water network and finding additional water source.
3	10020	At Tayba	Jenin	40	60	75	0	100	100	5		40	30	8	2	Needs include finding additional water source. Jenin municipality well is the main source of water; currently, the pump connected to the well is not functioning.
4	10030	Al Jalama	Jenin	100	0	75	0	100	100	0	100	50	45	4	2	
5	10035	Silat al Harithiya	Jenin	20	80	60	0	100	100	8	0	20	15	8	0	Needs include water sources and rehabilitation of the pump. Jenin municipality well is the main source of water; currently, the pump connected to the well is not functioning.
6	10045	'Anin	Jenin	40	60	45	0	100	100	6	0	25	20	8	4	Needs include water source. Jenin municipality well is the main source of water; currently, the pump connected to the well is not functioning.
7	10050	'Arrana	Jenin	0	100	50	0	100	100	6				6	2	Major needs include water network and connection to a water source.

No.	Community Id	Community Name	Governorate	Households with year-round access to improved water source %	Households with year-round access to unimproved water source %	Water used per capita per day (liter)	Wastewater Network Coverage %	Connection to Cesspits or Septic Tank %	Availability of Solid waste Collection System %	Population Suffer from Water Born Diseases %	Water Supply Facilities Operated and Maintained %	Cost Recovery for Water Supply Services %	Unaccounted for Water within Water Supply System %	Monthly Household Income Spent on Water Supply %	Monthly Household Income Spent on Sanitation %	Community Needs and Comments
8	10080	Al Yamun	Jenin	50	50	70	0	100	100	4	100	15	12	4	6	Needs include water source. Jenin municipality well is the main source of water; currently, the pump connected to the well is not functioning.
9	10185	Jenin Camp	Jenin	60	40	80	80	20	100	4	0	15	10	3	0	There is a new water network in the camp but it is not connected to households. The camp is supplied by water through Jenin well, but since Assa'ada well in Jenin is not functioning due to the pump connected to the well, there is a clear shortage in water supply in the camp.
10	10260	Al Manshiya	Jenin	0	100	50	0	100	100	6				7		Major needs in the community include water network and connection to a source of water.
11	150660	Bizzariya	Nablus	100	0	80	0	100	100	4	100	50	25	7	4	Major water sources are through Mekorot Company (about 4500 m <sup>3</sup> /month) and cisterns (500 m <sup>3</sup> /month) Chlorination is done through Mekorot Company.
12	150785	An Naqura	Nablus	100	0	70	0	100	100	4	100	100	30	8	5	Major water source is coming from a local spring that provides about 4500 m <sup>3</sup> /month.
13	150810	Deir Sharaf	Nablus	100	0	80	0	100	100	3	100	90	35	9	4	Major water sources are Deir Sharaf well (6600 m <sup>3</sup> /month) and Deir Sharaf spring (1600 m <sup>3</sup> /month).

No.	Community Id	Community Name	Governorate	Households with year-round access to improved water source %	Households with year-round access to unimproved water source %	Water used per capita per day (liter)	Wastewater Network Coverage %	Connection to Cesspits or Septic Tank %	Availability of Solid waste Collection System %	Population Suffer from Water Born Diseases %	Water Supply Facilities Operated and Maintained %	Cost Recovery for Water Supply Services %	Unaccounted for Water within Water Supply System %	Monthly Household Income Spent on Water Supply %	Monthly Household Income Spent on Sanitation %	Community Needs and Comments
14	150835	Zawata	Nablus	100	0	75	0	100	100	3	80	95	40	8	4	Major water supply is coming through Nablus municipality and chlorination is done through the water network.
15	150855	Qusin	Nablus	100	0	80	0	100	100	3	100	100	25	8	4	Needs in the community include connecting households not connected to the water network, in addition to agricultural cisterns. Major water supply is coming through Mekorot company; chlorination is also done at the source.
16	150875	Beit Wazan	Nablus	75	25	60	0	100	100	4	100	80	40	8	4	Needs include connecting households not connected to the network. Major water source is through Nablus municipality (about 3000 m <sup>3</sup> /month), Tankers (about 300 m <sup>3</sup> /month) and cisterns (about 500 m <sup>3</sup> /month). Chlorination is done through Nablus municipality.
17	150890	Al Juneid	Nablus	100	0	70	35	65	100	2	100	85	41	8	4	Needs in the community include rehabilitation of the old water network. Major source of water is through Nablus municipality, and chlorination is done by the municipality through the network.
18	150955	Salim	Nablus	100	0	70	0	100	100	4	100	80	40	8	5	Needs of the community include rehabilitation of the water network. Chlorination is done through Mekorot Company.

No.	Community Id	Community Name	Governorate	Households with year-round access to improved w source %	Households with year-round access to unimproved w source %	Water used per capita per day (liter)	Wastewater Network Coverage %	Connection to Cesspits or Septic Tank %	Availability of Solid waste Collection System %	Population Suffer from W Born Diseases %	W Supply Facilities Operated and Maintained %	Cost Recovery for W Supply Services %	Unaccounted for W within W Supply System %	Monthly Household Income Spent on W Supply %	Monthly Household Income Spent on Sanitation %	Community Needs and Comments
19	151160	'Urif	Nablus	0	100	40	0	100	100	5				10	5	Needs in the community include water network and water source in addition to cisterns. Major water sources are through tankers and cisterns. Chlorination is done through ministry of health using chlorine tablets.
20	151176	Khirbet Tana	Nablus													This is a seasonal community occupied mostly during summer; local springs are the major source of water for the community.
21	151220	Ar Rajman	Nablus													It is more like a recreational area that is visited by people occasionally.
22	151325	Yatma	Nablus	100	0	70	0	100	100	3	100	90	30	7	5	Needs in the community include rehabilitation of the local springs (Somara and Ein Saleh). Chlorination of water is done through Mekorot Company.
23	151335	Qabalan	Nablus	100	0	75	0	100	100	5	95	90	35	9	4	Needs in the community include rehabilitation of the water network. Chlorination is done through Mekorot Company.

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24	151450	Khirbet Sarra	Nablus													This is a seasonal community near Sarra community, occupied during a certain period of the year. Supplied quantities of water to this community are included in the quantities supplied to Sarra.
25	301645	Silwad Camp	Ramallah													Water quantities supplied to the camp are part of quantities supplied to Silwad water system.
26	301660	Deir 'Ammar Camp	Ramallah													Water supplied to the camp is part of Deir Ammar community water system.
27	301780	Deir Ibzi'	Ramallah	100	0	45	0	100	70	0	0	50	8	6	3	Needs in the community include extension of the water network, cisterns, waste water network, and dumping site in addition to containers and vehicle for transport of solid waste. Major water sources are through the Jerusalem Water Undertaking (JWU) that provide about 3000 m <sup>3</sup> /month) and water tankers with about 50 m <sup>3</sup> /month.

No.	Community Id	Community Name	Governorate	Households with year-round access to improved w source %	Households with year-round access to unimproved w source %	Water used per capita per day (liter)	Wastewater Network Coverage %	Connection to Cesspits or Septic Tank %	Availability of Solid waste Collection System %	Population Suffer from W Born Diseases %	W Supply Facilities Operated and Maintained %	Cost Recovery for W Supply Services %	Unaccounted for W within W Supply System %	Monthly Household Income Spent on W Supply %	Monthly Household Income Spent on Sanitation %	Community Needs and Comments
28	502800	Tarusa	Hebron	80	20	55	0	100	20		50	10	15	15	1	Needs of the community include extension of the water network, and solid waste containers. Major water sources in the community include supply by Mekorot Company through the network and a filling point where water is transported by tankers to household cisterns.
29	502880	Birin	Hebron	0	100	46				3				20		This is a Bedouin community that has no basic services in the community. Major water sources are tankers that transport water to cisterns.
30	502930	Khirbet Abu Hamid	Hebron	0	100	50		100		2				20		Major needs in the community include increasing water flow in the network, and solid waste collection system. This community is a part of Al Majd local council. There is a water network in the community, but water flow only during January and February due to major problems in the water source (estimated supplied quantities are 150 m <sup>3</sup> / year).
31	503270	Khirbet Deir Shams	Hebron	0	100		45		60		3			15		Residents of this community live in caves. Major source of income is livestock.

No.	Community Id	Community Name	Governorate	Households with year-round access to improved water source %	Households with year-round access to unimproved water source %	Water used per capita per day (liter)	Wastewater Network Coverage %	Connection to Cesspits or Septic Tank %	Availability of Solid waste Collection System %	Population Suffer from Water Born Diseases %	Water Supply Facilities Operated and Maintained %	Cost Recovery for Water Supply Services %	Unaccounted for Water within Water Supply System %	Monthly Household Income Spent on Water Supply %	Monthly Household Income Spent on Sanitation %	Community Needs and Comments
32	503405	'Arab al Fureijjat	Hebron	30	70	40	0	80		4		30		20		<p>Major needs in the community include water network, solid waste collection system.</p> <p>This community is related to Al Ramadin local council. Major water sources are through Mekorot filling point where water is transported through tankers (around 250 m<sup>3</sup> / month), water tankers that transport water from different sources (150 m<sup>3</sup> / month), cisterns (100 m<sup>3</sup> / month). The Wall and Israeli settlements are major sources of suffering for the community.</p>

**Table 3: Relative change in tankers water price**

No.	Community ID	Community Name	Governorate	Population 2006	Tankers Average Price now / NIS per m <sup>3</sup>	Tankers Average Price before Intifada / NIS per m <sup>3</sup>
1	10005	Zububa	Jenin	2296	14.0	8.0
2	10015	Ti'innik	Jenin	1184	10.0	8.0
3	10020	At Tayba	Jenin	2579	15.0	10.0
4	10035	Silat al Harithiya	Jenin	10638	15.0	8.0
5	10045	'Anin	Jenin	4021	25.0	10.0
6	10050	'Arrana	Jenin	2318	15.0	12.0
7	10080	Al Yamun	Jenin	17992	12.0	8.0
8	10185	Jenin Camp	Jenin	13199	15.0	8.0
9	10260	Al Manshiya	Jenin	172	15.0	10.0
10	150875	Beit Wazan	Nablus	1211	15.0	10.0
11	151160	'Urif	Nablus	3069	12.0	10.0
12	301780	Deir Ibzi'	Ramallah	2248	12.5	10.0
13	502880	Birin	Hebron	188	20.0	15.0
14	502930	Khirbet Abu Hamid	Hebron	120	20.0	15.0
15	503270	Khirbet Deir Shams	Hebron	60	20.0	15.0
16	503405	'Arab al Fureijat	Hebron	460	20.0	15.0

**Table 4: Effects of fixed checkpoints (FCP) on communities**

No.	Community ID	Community Name	Governorate	Population 2006	FCP Effect on Tankers Supply	FCP Name	FCP Effect on Maintenance Team Access	FCP Name	FCP Effect on PHC Access	FCP Name
1	150660	Bizzariya	Nablus	2326			1	Beit Iba	1	Beit Iba
2	150785	An Naqura	Nablus	1792			1	Assab'ata Asher		Assab'aa Asher
3	150810	Deir Sharaf	Nablus	2983			1	Beit Iba	1	Beit Iba
4	150855	Qusin	Nablus	1875			1	Beit Iba	1	Beit Iba
5	151160	'Urif	Nablus	3069			1	Hiwwara	1	Hiwwara
6	151325	Yatma	Nablus	3223			1	Hiwwara		Hiwwara
7	151335	Qabalan	Nablus	7836			1	Hiwwara	1	Hiwwara
8	502880	Birin	Hebron	188	2	Bani N'aim gate (partially)			1	
9	503405	'Arab al Fureijat	Hebron	460	2	Al Ramadin			2	Al Ramadin

