Project Well

Aqua Welfare Society

Arsenic-Safe Water

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PROJECT WELL REPORT ON 50 NEW DUGWELLS CONSTRUCTED IN 2010 in the two districts of West Bengal, India: North 24 Parganas and Nadia

Project Well *(*based in California*)* together with sister NGO **Aqua Welfare Society** (based near Kolkata, West Bengal), developed a sustainable, community-based mitigation program in 2001 to provide arsenic-safe water to the villagers in West Bengal, India.

Crystal-clear drinking water extracted by shallow and deep borewells (locally known as tubewells) is plentiful in many parts of West Bengal, but it is **contaminated with arsenic**. Between 2001 and 2010, Project Well constructed 167 modern dugwells. The modern dugwells designed by Project Well are covered and the water is extracted by a hand pump. The design of this modern dugwells was revised and tested in 2007, and from then on, different types of wells were constructed depending on the thickness of layers of sediments in different areas. Now there are 96 modern dugwells (mostly constructed in 2007 and earlier), 61 bore-dugwells and 10 shallow borewells.

These Project Well-designed wells are spread out through 58 villages of 6 blocks of the 3 districts of North 24 Parganas (142), Nadia (22) and Mursdhidabad (3). Out of these 167 modern dugwells 127 are functional and 40 sources are officially closed due to several reasons, such as the shallowness of the dugwells causing dry conditions in summer, and faulty construction in 2003. Of these 127 sources, 99 are used and 28 are not used. Often in the communities where dugwells are unused, it is because false rumors circulate that users have gotten colds and coughs from the cold dugwell water, or that worms have been found in the dugwell water. Education and motivation efforts are ongoing to combat these myths.

With the improvements to design and increased education, use of dugwells constructed in the past three years (2008-2010) is at 68 percent compared to use of dugwells constructed before 2008 at 31 percent. Only 8 percent of the dugwells from the last three years have been closed, versus 44 percent of the older dugwells. Our awareness efforts include an educational movie being developed with the help of Blue Planet Network, explaining the benefits of using chlorinated dugwell water, scheduled to launch by midyear. We plan to show the video to all educational institutions, governmental and religious organizations, all the dugwell community-based groups, local clubs and microfinance self-help groups in the villages. We believe using audio-visual tools will leave a more lasting impact than distributing information through newspaper articles and lectures.

To promote transparency and efficiency, Project Well also set up a surveillance program that makes use of Google Earth. Project Well monitors the dugwells year-round, and provides reports and pictures of all dugwells on the website developed by Peer Water Exchange (peerwater.org). Visitors can find the exact location of each dugwell using this publicly available information, and they are welcome to visit the dugwells anytime.

According to our registry, more than 3500 villagers are drinking arsenic-safe, chlorine-treated water. Some sources have fewer than 30 consumers, while others have more than 100 consumers. Water analysis of 48 out of 50 new wells of 2010 showed E. Coli at 'undetected' levels.

Project Well transparency and its surveillance system have attracted an increasing number of sponsors, and in 2011, 50 more modern bore-dugwells will be constructed.

Report of the 40 bore-dugwells and 10 borewells constructed in 2010 are given below:-

Dugwell ID	PW118KLS14
Land donated by	Subrata Bala
Village	Kanaipara
Block / District	Bamondanga / N 24 Parganas
Location :Latitude	22.81036N
Location :Longitude	88.74302E
Constructed	2010
Arsenic level	60
Date of sampling	April 25, 2011
Bacteria:TC / e. coli cfu/100ml	pending
Date of sampling	pending
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	5
Beneficiary members	20
Remarks	Borewell. Because of high arsenic level this borewell has been converted to bore-dugwell
Sponsored by	Project Well

PW118KLS14

PW119MG1

Dugwell ID	PW119MG1
Land donated by	Swapan Baroi
Village	Mogra
Block / District	Deganga / N 24 Parganas
Location :Latitude	22.81039N
Location :Longitude	88.74316E
Constructed	2010
Arsenic level	pending
Date of sampling	Pending
Bacteria:TC / e. coli cfu/100ml	Pending
Date of sampling	Pending
Physical qlty of water	Pending
Beneficiary families	22
Beneficiary members	129
Remarks	Bore-dug well
Sponsored by	Project Well

Dugwell ID	PW120MG2
Land donated by	Ram Mondol
Village	Mogra
Block / District	Deganga / N 24 Parganas
Location :Latitude	22.79983 N
Location :Longitude	88.73914 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	100 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Pending
Beneficiary families	5
Beneficiary members	19
Remarks	Bore dugwell
Sponsored by	Project Well

PW120MG2

Dugwell ID	PW121MG3
Land donated by	Annto Parui
Village	Mogra
Block / District	Deganga / N 24 Parganas
Location :Latitude	22.80221 N
Location :Longitude	88.73743 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	1005 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Pending
Beneficiary families	1
Beneficiary members	7
Remarks	Bore-dugwell
Sponsored by	Project Well

PW121MG3

PW122MG4

Dugwell ID	PW122/MG4
Land donated by	Niher Mondol
Village	Mogra
Block / District	Deganga / N 24 Parganas
Location :Latitude	22.81224 N
Location :Longitude	88.7284 E
Constructed	2010
Arsenic level	Pending
Date of sampling	Pending
Bacteria:TC / e. coli cfu/100ml	2375 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Pending
Beneficiary families	13
Beneficiary members	68
Remarks	bore-dugwell (with adapter)
Sponsored by	Project Well

Dugwell ID	PW123NRDH1
Land donated by	Madhusudan Mandal
Village	Nordaha
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.96135 N
Location :Longitude	88.84622 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	165 / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Normal
Beneficiary families	10
Beneficiary members	34
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / MSSTC

PW123NRDH1

Dugwell ID	PW124NRDH2
Land donated by	Santi Biswas
Village	Nordaha
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.96058 N
Location :Longitude	88.84564 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	pending
Date of sampling	pending
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	0
Beneficiary members	0
Remarks	Not in use- land dispute
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW125NRDH3
Land donated by	Ashok Dutta
Village	Nordaha
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.96693 N
Location :Longitude	88.8464 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 24 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	8
Beneficiary members	29
Remarks	Bore dugwell
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW126NRDH4
Land donated by	Krisno Shikdaar
Village	Nordaha
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.95899N
Location :Longitude	88.84421E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	pending
Date of sampling	pending
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	1
Beneficiary members	5
Remarks	Pipe jammed with sand
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW127SBPR1
Land donated by	Bijoy Das
Village	Sabaipur
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.95499N
Location :Longitude	88.84154E
Constructed	2010
Arsenic level	18 PPB
Date of Report	22nd October, 2009
Bacteria:TC / e. coli cfu/100ml	270 / undetected
Date of sampling	Jan 25, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	15
Beneficiary members	66
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW128SBPR2
Land donated by	Sawpon Sarkar
Village	Sabaipur
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.95359N
Location :Longitude	88.84182E
Constructed	2010
Arsenic level	41.75 PPB
Date of Report	30th December,2010
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 25, 2010
Physical qlty of water	Water has bad odor.
Beneficiary families	10
Beneficiary members	35
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW129BRNB1
Land donated by	Sadon Halder
Village	Bornobariya
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.97251N
Location :Longitude	88.85846E
Constructed	Pending
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	8
Beneficiary members	34
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW130BRNB2
Land donated by	Ramesh Das
Village	Bornobariya
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.97939N
Location :Longitude	88.86187E
Constructed	2010
Arsenic level	6 PPB
Date of Report	Pending
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	10
Beneficiary members	50
Remarks	Bore-well
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW131BRNB3
Land donated by	Bijoy Krisno Das
Village	Bornobariya
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.97039N
Location :Longitude	88.86187E
Constructed	2010
Arsenic level	Pending
Date of sampling	Pending
Bacteria:TC / e. coli cfu/100ml	245 / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	13
Beneficiary members	57
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW132JHDN1
Land donated by	Madhusudan Mandal
Village	Goalbathan/JHDN
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.95783N
Location :Longitude	88.8297E
Constructed	2010
Arsenic level	4.8 PPB
Date of Report	30th December, 2010
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, smells of iron, normal
Beneficiary families	18
Beneficiary members	75
Remarks	Borewell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW133JHDN2
Land donated by	Probin Sarkar
Village	Goalbathan/JHDN
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.95783N
Location :Longitude	88.8297E
Constructed	2010
Arsenic level	34 PPB
Date of sampling	August 2010
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	8
Beneficiary members	32
Remarks	Boredugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW134KNK1
Land donated by	Chitto Ray
Village	Kayonka
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.94947N
Location :Longitude	88.84315E
Constructed	2010
Arsenic level	19 PPB
Date of sampling	August 2010
Bacteria:TC / e. coli cfu/100ml	25 / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Turbid water, no odor, normal
Beneficiary families	6
Beneficiary members	31
Remarks	Boredugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW135RMN9
Land donated by	Tapon Ray
Village	Pipley/RAMNAGAR
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.94525N
Location :Longitude	88.87829E
Constructed	2010
Arsenic level	36
Date of sampling	August 2010
Bacteria:TC / e. coli cfu/100ml	8950 / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	14
Beneficiary members	59
Remarks	Boredugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW136SU24
Land donated by	Rabin Dhar
Village	Bisnupur/SUTIA
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.90536N
Location :Longitude	88.7866E
Constructed	2010
Arsenic level	50
Date of sampling	August 2010
Bacteria:TC / e. coli cfu/100ml	145 / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	5
Beneficiary members	22
Remarks	Borewell
Sponsored by	Blue Planet Run/MSSTC

PW136SU24

PW137SU25

Dugwell ID	PW137SU25
Land donated by	Pradip Biswas
Village	Foridkati/SUTIA
Block / District	Gaighata / N 24 Parganas
Location :Latitude	22.91368N
Location :Longitude	88.79256E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 24, 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	9
Beneficiary members	38
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run/MSSTC

Dugwell ID	PW138GTR1
Land donated by	Tapan Mukerjee
Village	Gotra(Bamunpara)
Block / District	Chakdah / Nadia
Location :Latitude	23.02393N
Location :Longitude	88.58267E
Constructed	January 2010 (delayed)
Arsenic level	10 PPB
Date of Report	29th December, 2010
Bacteria:TC / e. coli cfu/100ml	3500 / undetected
Date of sampling	Jan 21 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	7
Beneficiary members	25
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / Yahoo

PW138GTR1

Dugwell ID	PW139GTR2
Land donated by	Sunil Mondol
Village	Gotra (chasipara)
Block / District	Chakdah / Nadia
Location :Latitude	23.02027N
Location :Longitude	88.58673E
Constructed	January 2010
Arsenic level	11 PPB
Date of Report	4/29/2011
Bacteria:TC / e. coli cfu/100ml	25000 / undetected
Date of sampling	Jan 25 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary students	7
Beneficiariers	29
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW140GTR3
Land donated by	Uttam Roy
Village	Getugachi(Bamunpara)
Block / District	Chakdah / Nadia
Location :Latitude	23.02562N
Location :Longitude	88.58109E
Constructed	January 2010
Arsenic level	6 PPB
Date of Report	29th December, 2010
Bacteria:TC / e. coli cfu/100ml	725 / undetected
Date of sampling	Jan 25 2010
Physical qlty of water	Salty water, no odor, normal
Beneficiary families	4
Beneficiary members	16
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW141GTR4
Land donated by	Mokjel Mondol
Village	Gotra (Muslimpara)
Block / District	Chakdah / Nadia
District	Nadia
Location :Latitude	23.0222N
Location :Longitude	88.58599E
Constructed	2010
Arsenic level	17
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 21 2010
Physical qlty of water	Normal, smells of iron
Beneficiary families	1
Beneficiary members	5
Remarks	Used for other purposes
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW142GTR5
Land donated by	Haran Das
Village	Gotra(Daspara)
Block / District	Chakdah / Nadia
Location :Latitude	23.02268 N
Location :Longitude	88.58175 E
Constructed	2010
Arsenic level	8
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	230 / undetected
Date of sampling	Jan 25 2010
Physical qlty of water	Clear water, no odor, normal
Beneficiary families	3
Beneficiary members	26
Remarks	Bore dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW143RSLP1
Land donated by	Devdas
Village	Rasullapur(Daspara)
Block / District	Chakdah / Nadia
Location :Latitude	23.01573 N
Location :Longitude	88.63125 E
Constructed	2010
Arsenic level	3 PPB
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	1115 / undetected
Date of sampling	Jan 21 2011
Physical qlty of water	Clear water, no odor, normal
Beneficiary students	9
Beneficiariers	45
Remarks	Borewell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW144RSLP2
Land donated by	Anil Sarkar
Village	Rasullapur(Purbapara)
Block / District	Chakdah / Nadia
District	Nadia
Location :Latitude	23.01547 N
Location :Longitude	88.6375 E
Constructed	2010
Arsenic level	17
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	330 / undetected
Date of sampling	Jan 21 2010
Physical qlty of water	Salty water, no odor, normal
Beneficiary families	11
Beneficiary members	54
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW145BBR1
Land donated by	Mokjel Mondol
Village	Berbari (Billpara)
Block / District	Chakdah / Nadia
Location :Latitude	23.065 N
Location :Longitude	88.61025 E
Constructed	2010
Arsenic level	20 PPB
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	135 / undetected
Date of sampling	Jan 25 2010
Physical qlty of water	Normal, no odor
Beneficiary families	0
Beneficiary members	0
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW146KDMG1
Land donated by	Madhusudan Mondol
Village	Berbari (Billpara)
Block / District	Chakdah / Nadia
District	Nadia
Location :Latitude	23.0339 N
Location :Longitude	88.64294 E
Constructed	2010
Arsenic level	33 PPB
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	1460 / undetected
Date of sampling	Jan 21, 2010
Physical qlty of water	Clear water, iron , normal
Beneficiary students	0
Beneficiariers	0
Remarks	Borewell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW147BBR2
Land donated by	Roycharan Biswas
Village	Berberi
Block / District	Chakdah / Nadia
Location :Latitude	23.04231 N
Location :Longitude	88.64294 E
Constructed	2010
Arsenic level	13
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	145 / undetected
Date of sampling	Jan 21, 2010
Physical qlty of water	turbid, no odor, normal
Beneficiary families	0
Beneficiary members	0
Remarks	Used for other purposes
Sponsored by	Blue Planet Run / Yahoo

PW148DLI1

Dugwell ID	PW148DLI1
Land donated by	Bikash Roy
Village	Deuli
Block / District	Chakdah / Nadia
Location :Latitude	23.0094 N
Location :Longitude	88.63907 E
Constructed	2010
Arsenic level	16 PPB
Date of Report	29th December, 2010 (soes)
Bacteria:TC / e. coli cfu/100ml	725 / undetected
Date of sampling	Jan 25 2010
Physical qlty of water	Normal, no odor
Beneficiary families	27
Beneficiary members	96
Remarks	Borewell
Sponsored by	Blue Planet Run /MSSTC

Dugwell ID	PW149DMR1
Land donated by	Haripawdo bala
Village	Dumuria (Roypara)
Block / District	Chakdah / Nadia
Location :Latitude	23.0551 N
Location :Longitude	88.62057 E
Constructed	2010
Arsenic level	14
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	Pending
Date of sampling	pending
Physical qlty of water	turbid, no odor, normal
Beneficiary students	2
Beneficiariers	14
Remarks	Not in use because of high turbidity
Sponsored by	Blue Planet Run / MSSTC

PW149DMR1

PW150DMR2

Dugwell ID	PW150DMR2
Land donated by	Manindra Nath
Village	Dumuria Primary School
Block / District	Chakdah / Nadia
Location :Latitude	23.05256 N
Location :Longitude	88.6232 E
Constructed	2010
Arsenic level	11 PPB
Date of Report	29th December, 2010
Bacteria:TC / e. coli cfu/100ml	1250 / undetected
Date of sampling	Jan 21, 2010
Physical qlty of water	Normal, no odor, normal
Beneficiary families	4
Beneficiary members	18
Remarks	Used only for cooking
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW151CNL1
Land donated by	Jiten Bhowmick
Village	Saraipur
Block/District	Chakda / Nadia
Location :Latitude	23.01321 N
Location :Longitude	88.6536 E
Constructed	2010
Arsenic level	22
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	1800 / undetected
Date of sampling	Jan 21, 2010
Physical qlty of water	Normal, organic odor
Beneficiary students	0
Beneficiariers	0
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW152CNL2 (SBP1)
Land donated by	Binoy Guria
Village	Pachim Chinili
Block / District	Chakdah / Nadia
Location :Latitude	23.0268 N
Location :Longitude	88.62574 E
Constructed	2010
Arsenic level	7
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	152 / undetected
Date of sampling	Jan 21 2010
Physical qlty of water	Normal, organic odor, normal
Beneficiary students	4+2 families use for cooking
Beneficiariers	16
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	**PW153DMR3**
Land donated by	Dulal Chandra Biswas
Village	Dumuria PachimPara
Block / District	Chakdah / Nadia
Location :Latitude	23.0536 N
Location :Longitude	88.62227 E
Constructed	2010
Arsenic level	Pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	75 / undetected
Date of sampling	Jan 25 2010
Physical qlty of water	normal, no odor, normal
Beneficiary families	2
Beneficiary members	9
Remarks	3 families use for cooking
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW154DMR4
Land donated by	Sishir Mondol
Village	Dumuria (Farampara)
Block / District	Chakdah / Nadia
Location :Latitude	23.05755 N
Location :Longitude	88.61652 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	undetected / undetected
Date of sampling	Jan 21 2010
Physical qlty of water	Normal, no odor, normal
Beneficiary students	10
Beneficiariers	38
Remarks	Bore dugwell
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW155DMR5
Land donated by	Bidhan Mallick
Village	Dumuria
Block / District	Chakdah / Nadia
Location :Latitude	23.04752 N
Location :Longitude	88.6311 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	2100 / undetected
Date of sampling	Jan 21 2010
Physical qlty of water	Normal, no odor, normal
Beneficiary students	1
Beneficiariers	5
Remarks	Used only for cooking / borewell
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW156MDH1
Land donated by	Kala chand sarkar
Village	Mondolhut Gosh Para
Block / District	Chakdah / Nadia
Location :Latitude	23.03265 N
Location :Longitude	88.5941 E
Constructed	2010
Arsenic level	12
Date of sampling	April 25 2011
Bacteria:TC / e. coli cfu/100ml	2375 / undetected
Date of sampling	Jan 25, 2010
Physical qlty of water	High iron content
Beneficiary families	0
Beneficiary members	0
Remarks	Used for other purposes
Sponsored by	Blue Planet Run / MSSTC

Dugwell ID	PW157MDH2
Land donated by	Sadhan das
Village	Mondol Hut 1no.Colony
Block / District	Chakdah / Nadia
Location :Latitude	23.01975 N
Location :Longitude	88.60848 E
Constructed	2010
Arsenic level	6 PPB
Date of sampling	29 December 2010
Bacteria:TC / e. coli cfu/100ml	770 / undetected
Date of sampling	Jan 25, 2010
Physical qlty of water	Normal, no odor
Beneficiary families	49
Beneficiary members	195
Remarks	Borewell
Sponsored by	Blue Planet Run /MSSTC

Dugwell ID	PW158BRG1
Land donated by	Jeyaudden Mondol
Village	Bargoriya
Block / District	Swarupnagar / N24Pargans
Location :Latitude	22.82516 N
Location :Longitude	88.8285
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	270 / undetected
Date of sampling	Jan 21, 2010
Physical qlty of water	Normal, No odor, normal
Beneficiary students	16
Beneficiariers	28
Remarks	Bore-dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW159BRG2
Land donated by	After Ali Mondol
Village	Bargoriya
Block / District	Swarupnagar / N24Pargans
Location :Latitude	22.82448 N
Location :Longitude	88.82975 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	pending
Date of sampling	pending
Physical qlty of water	Turbid, no odor, normal
Beneficiary families	0
Beneficiary members	0
Remarks	Bore dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW160PTA3
Land donated by	Soab Mondol
Village	Patuya
Block / District	Swarupnagar / N24Pargans
Location :Latitude	22.8755
Location :Longitude	88.8221 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	1075 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Normal, no odor
Beneficiary families	9
Beneficiary members	34
Remarks	Bore dugwell
Sponsored by	Blue Planet Run /Yahoo

PW160PTA3

PW161GLP3

Dugwell ID	PW161GLP3
Land donated by	Abdul Salad Mondol
Village	Gopalpur
Block / District	Swarupnagar / N24Pargans
Location :Latitude	22.81777 N
Location :Longitude	88.82562 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	320 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Normal, no odor, normal
Beneficiary students	10
Beneficiariers	47
Remarks	Bore dugwell
Sponsored by	Blue Planet Run / Yahoo

Dugwell ID	PW162GPL1
Land donated by	Gopalpur Primary School
Village	Gopalpur
Block / District	Swarupnagar / N24Pargans
Location :Latitude	22.81887 N
Location :Longitude	88.82887 E
Constructed	2010
Arsenic level	18.8 PPB
Date of Report	29th December, 2010
Bacteria:TC / e. coli cfu/100ml	900 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	normal, no odor, normal
Beneficiary families	20
Beneficiary members	100
Remarks	All students of the school use
Sponsored by	Blue Planet Run / Yahoo

PW162GPL1

Dugwell ID	PW163CRG3
Land donated by	Swarupnagar Health Center
Village	Charghat
Block / District	Swarupnagar / N 24 Parganas
Location :Latitude	22.85146 N
Location :Longitude	88.81426 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	615 / undetected
Date of sampling	Jan 24, 2011
Physical qlty of water	Normal, no odor
Beneficiary families	14
Beneficiary members	55
Remarks	Bore dugwell –used by health clinic
Sponsored by	Blue Planet Run / Drink 4 Tomorrow

PW163CRG3

PW164CRG1

Dugwell ID	PW164CRG1
Land donated by	Purbo Para Primary School
Village	Charghat
Block / District	Swarupnagar / N 24 Parganas
Location :Latitude	22.85291 N
Location :Longitude	88.82257 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	1950 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Normal, no odor, normal
Beneficiary students	24
Beneficiariers	92
Remarks	Slight sand coming out
Sponsored by	Blue Planet Run / Drink 4 Tomorrow

Dugwell ID	PW165CRG2
Land donated by	Golam Shadder
Village	Charghat
Block / District	Swarupnagar / N 24 Parganas
Location :Latitude	22.8514 N
Location :Longitude	88.80196 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	210 / undetected
Date of sampling	Jan 22 2010
Physical qlty of water	normal, no odor, normal
Beneficiary families	17
Beneficiary members	86
Remarks	Bore- dugwell
Sponsored by	Blue Planet Run / Drink 4 Tomorrow

PW165CRG2

Dugwell ID	PW166BRG3
Land donated by	Jallil Mondol
Village	Bargoriya
Block / District	Swarupnagar / N 24 Parganas
Location :Latitude	22.83066 N
Location :Longitude	88.80979 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	790 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Normal, no odor
Beneficiary families	3
Beneficiary members	12
Remarks	Bore dugwell-slight sand coming out
Sponsored by	Blue Planet Run / Drink 4 Tomorrow

Dugwell ID	PW167GPL3
Land donated by	Abu Khurshad Mondol
Village	Gopal Pur
Block / District	Swarupnagar / N 24 Parganas
Location :Latitude	22.80676 N
Location :Longitude	88.81813 E
Constructed	2010
Arsenic level	pending
Date of sampling	pending
Bacteria:TC / e. coli cfu/100ml	200 / undetected
Date of sampling	Jan 22, 2010
Physical qlty of water	Normal, no odor, normal
Beneficiary students	52
Beneficiariers	228
Remarks	Bore- dugwell
Sponsored by	Blue Planet Run / Drink 4 Tomorrow

Training of new dugwell user on how to measure the volume of water to assess the dose of 'theoline' , the chlorine based disinfectant using the Theoline Chart.

Sponsors 2010:

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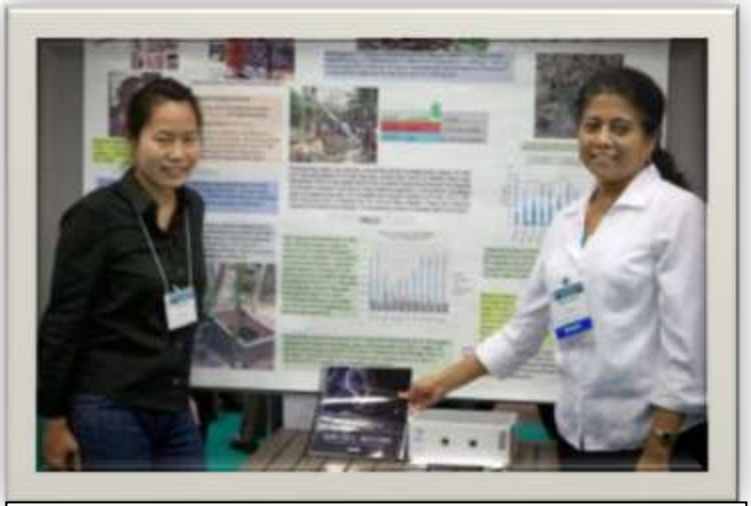
The AWS field workers at a field visit on 20th August 2010



PW members poster presentation at the AGU fall meeting on December 15 2010 in San Francisco, California

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