

Summary of Results of Source Water Quality Monitoring by DHAN Vayalagam (Tank) Foundation in South India

DHAN Vayalagam Tank Foundation (DV(T)F), water thematic programme of DHAN foundation has undertaken source water quality monitoring programme in three states of south India namely Tamilnadu, Andhra Pradesh and Karnataka. As a part of celebrating world water monitoring day DVTF received test kits to test the water in 100 sources from India water partnership.

Upon receiving the test kits we conducted Two Orientation Programmes at Kottampatti and at Madurai before distribution of the test kits to the DHAN executives working in the field. In the orientation programme we explained the process to be carried out in the water quality monitoring in villages was explained and tests to be conducted were demonstrated. We also explained them about how to communicate the results to the community. Apart from that we also conducted source water monitoring programme in six schools in Kottampatti, Manamadurai and Mudukulathur blocks in Tamilnadu. The children in the schools were given orientation about the water issues, importance of water quality, sources of contamination, causes of pollution of water bodies, importance of monitoring our water resources, how to use the micro invertebrates in water as an indicator of water quality, water pollution and its implication on the environment and public health, students' role in protecting their water sources followed by the testing the water quality. A small film on the water crisis and saving the water for caring the future was screened. The participation of the children in this process was overwhelming.

Out of 93 results received 45 tests were conducted 10 blocks of six districts in Tamilnadu, 34 tests in six blocks of two districts in Andhrapradesh and 15 tests in one district of Karnataka state. The tests were conducted in different water sources such as oorani, irrigation tanks, hand pump, bore wells and open wells. Tests for PH (acidity), Turbidity (clarity), Dissolved oxygen (DO), and Temperature were conducted as an indicator of water health. The process was conducted during the period from 25.09.2012-3.11.2012. In total, 25 drinking water oorani (drinking water ponds) 34 irrigation tanks which are used for bathing and irrigation, and 18 open wells, 11 bore wells, 5 hand pumps were tested in three states. These tests were carried out in the presence of village leaders, women, members of tank farmers associations, youth and school children. In total about 1500 participants participated in this process.

From the results there is wide variation in PH ranging from 6.5 to 10. In two sources in Karnataka it is more acidic which needs further investigation. Turbidity ranges from 0 to 1000 NTU. Almost in all water sources the DO is very low even at 28°C. In some water bodies it was found almost nil. In many water bodies in Tamilnadu and Andhrapradesh water temp is more than 30°C with 4ppm DO, which indicates the quality of the source water is deteriorated. In some villages people shared the issues of pollution of water bodies due to drainage from the villages and polluted catchments. The test results of these water sources were shared in the respective village meetings to sensitize the issue among other villagers and to take protective measures. This event created an impact among the participated people to treat the water before use.

Test results of source water quality monitoring in South India

Sl. no	Name of the Water Body	Nature of the Water Body	Village	Block	District	Latitude	Longitude	No.of Participants involved in testing	Date of Performing the test	Time of monitoring	PH	Turbidity	DO in PPM	Water temp in °C	Air Temp in °C
	Tamilnadu														
1	Sevantha Oorani	Oorani	K.Puthupatti	S.Puthur	Sivagangai			15	05.10.2012		7.5	500 NTU	4	30	40
2	Sengai Oorani	Oorani	Perumalpatti	S.Puthur	Sivagangai	10.22.397 N	078.28.66 E	6	05.10.2012	11.45 AM	7	490 NTU	4	39	32
3	Kanapatti Oorani	Oorani	Kanapatti	S.Puthur	Sivagangai	10.12 N	78.23 E	7	05.10.2012		7	280 NTU	4	38	34
4	Ariyandipatti Oorani	Oorani	Ariyandipatti	S.Puthur	Sivagangai	10.12.725 N	078.16.3 E	7	05.10.2012	11.00 AM	8	300 NTU	4	38	36
5	Pillaiyarkovil Oorani	Oorani	Manalmettupatti	Kottampatti	Madurai	10.12.5 N	078.24.5 E	90	11.09.2012	3.00 PM	8	18 NTU	4	34	36
6	Vallakudi	Bore Well	Chockampatti	Kottampatti	Madurai	10.14.5 N	78.22 E	152	11.09.2012	11.55 AM	8	5 NTU	4	34	32
7	Ammapatti Oorani	Oorani	Ammapatti	Natham	Dindigul	10.12.68 N	78.18 E	15	25.09.2012	3.00 PM	7.5	1000 NTU	4	36	39
8	Bore well in the oorani	Borewell	Ammapatti	Natham	Dindigul	10.12.69 N	78.19 E	15	25.09.2012	3.00 PM	8	0 NTU	4	32	39
9	Amman Oorani	Oorani	Erakkapatti	Natham	Dindigul	10.12.6 N	78.16 E	15	25.09.2012	3.5 PM	7.5	5 NTU	4	30	36
10	Angayarkanni Oorani	Oorani	Samuthirapatti	Natham	Dindigul	10.13 N	78.18 E	25	25.09.2012	4.5 PM	7	40 NTU	4	32	34
11	Natchiyar kudineer Oorani	Oorani	M.Puthur	Thirupathur	Sivagangai	10.3 N	78.35 E	16	24.09.2012	10.00 AM	8	50 NTU	4	34	38
12	Athangaraipatti Oorani	Oorani	Athangaraipatti	Thirupathur	Sivagangai	10.5.5 N	78.37 E	12	24.09.2012	11.00 AM	7	500 NTU	4	38	36
13	Kuppan Oorani	Oorani	Melakallampatti	Ponnamaravathi	Puthukottai			8	15.09.2012	10.00 AM	8	5 NTU	4	34	38
14	Melasivapuri Oorani	Oorani	Melasivapuri	Ponnamaravathi	Puthukottai	10.15.30 N	78.30.30 E	10	15.09.2012	10.30 AM	7.5	40 NTU	4	32	34
15	Idaiyaputhur Oorani	Oorani	Idaiyaputhur	Ponnamaravathi	Puthukottai	10.15 N	78.32 E	9	15.09.2012	11.00 AM	8	40 NTU	4	32	36

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16	Athivinayagar Oorani	Oorani	Seelampatti	Ponnamaravathi	Puthukottai	10.17.30 N	78.26.30 E	15	15.09.2012	3.00 PM	8	40 NTU	4	32	34
17	Ooralipatti borewell	Bore well	Ooralipatti	Natham	Dindigul	10.12 N	78.16 E	7	25.09.2012	4.00 PM	7.5	5 NTU	4	30	32
18	Chinna oornai	Oorani	Pandakudi	Kottampatti	Madurai	10.12 N	78.22 E	9	29.10.2012	8.30 AM	9	5 NTU	0	26	28
19	Pandakudi bore well	Bore Well	Pandakudi	Kottampatti	Madurai	10.12 N	78.22 E	9	29.10.2012	9:00 AM	8.5	5 NTU	4	24	26
20	Komanampatti borewell	Bore Well	Komanam patti	Natham	Dindigul	10.11 N	78.12 E	12	29.10.2012	11.15 AM	7	5 NTU	0	28	30
21	Kavarayapatti oornai	Oorani	Kavaraya patti	Natham	Dindigul	10.11 N	78.13 E	13	29.10.2012	12.15 AM	6.5	5 NTU	0	30	30
22	K.Rengapalayam drinking water pond	Open well	K.Rengapalayam	T.Kallupatti	Madurai	9.45.19.72 N	77.53.11.92 E	6	03.11.2012	1.35 PM	7	0 JTU	0	30	34
23	Nallamaram drinking water well	Open well	Nallamaram	T.Kallupatti	Madurai	9.41.54.93 N	77.50.41.79 E	8	03.11.2012	11.25 AM	7	0 JTU	4	30	34
24	V.Reddirapatti drinking water well	Open well	Velambur	T.Kallupatti	Madurai	9.40.09.80 N	77.51.21.60 E	3	03.11.2012	11.15am	7	40 JTU	0	30	36
25	V.Reddirapatti hand pumb	Hand pumb	Velambur	T.Kallupatti	Madurai	9.40.09.80 N	77.51.21.60 E	4	03.11.2012	11.20am	7	0 JTU	0	29	36
26	V.Ammapatti drinking water well	Open well	V.Ammapatti	T.Kallupatti	Madurai	9.42.43.68 N	77.50.20.74 E	5	03.11.2012	12.15 PM	8	0 JTU	0	32	36
27	Keelakottai drinking water well.	Open well	Keelakottai	Tirumangalam	Madurai	9.47.04.75 N	78.00.04.74 E	12	03.11.2012	5.45 PM	7	0 JTU	4	28	30
28	Lakshiyapuram hand pumb	Hand pumb	Keelakottai	Tirumangalam	Madurai	9.47.20.96 N	78.00.27.31 E	7	03.11.2012	6.20 PM	8	0 JTU	4	28	30

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29	Lalapuram drinking water well	Open well	Kallikudi	Kallikudi	Madurai	9.42.24.92 N	77.56.04.87 E	7	02.11.2012	03.27PM	8	40 JTU	4	30	34
30	Vellakulam drinking water pumb	Hand pumb	K.Vellakulam	Kallikudi	Madurai	9.40 57.58 N	77.57.27.10 E	4	02.11.2012	4.30 PM	7	40 JTU	4	30	36
31	Sengapadai drinking water well	Open well	Sengapadai	Kallikudi	Madurai	9.45.43.99 N	77.56.11.74 E	15	02.11.2012	1.30 PM	7	0 JTU	4	30	35
32	Sengapadai hand pumb	Hand pumb	Sengapadai	Kallikudi	Madurai	9.43.43.99 N	77.56.11.74 E	13	02.11.2012	1.45 PM	7	0 JTU	4	32	36
33	Puliyampatti drinking water well	Open well	Puliyampatti	T.Kallupatti	Madurai	9.43.24.24 N	77.55.35.35 E	10	02.11.2012	2.15 PM	7	0 JTU	4	26	30
34	Villur drinking water well	Open well	Villur	Kallikudi	Madurai	9.42.25.24 N	77.54.38.97 E	10	02.11.2012	2.50 PM	8	0 JTU	4	30	35
35	Perumalpatti drinking water well	Open well	S.P.Natham	Kallikudi	Madurai	9.42.56.25 N	78.00.17.38 E	21	24.09.2012	11.30AM	8	0 JTU	8	28	39
36	Perumalpatti drinking water Hand pumb	Hand pumb within the pond	S.P.Natham	Kallikudi	Madurai	9.42.56.25 N	78.00.17.38 E	21	24.09.2012	11.50 AM	7	0 JTU	4	30	39
37	Melapasalai oorani	Oorani	Melapasalai	Manamadurai	Sivagangai	09 30 888 N	78 26 529 E	58	17.10.2012	11.15 PM	7.5	> 100 JTU	4	30	32
38	Konnakulam drinking water oorani	Oorani	Konnakulam	Manamadurai	Sivagangai	09 44 081 N	78 28 724 E	75	17.10.2012	2.10 PM	7.5	> 100 JTU	4	30	36
39	Kulayanoor oorani	Oorani	Kulayanoor	Manamadurai	Sivagangai	09 43 789 N	78 29 797 E	5	17.10.2012	3.45 PM	10	> 100 JTU	4	28	30
40	Kulayanoor well	Well	Kulayanoor	Manamadurai	Sivagangai	09 43 997 N	78 29 758 E	5	17.10.2012	4.15 PM	7.5	> 100 JTU	8	28	30

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41	Pudukudi	Oorani	Pudukudi	Paramakudi	Ramanathapuram	N	E	18	13.10.2012	11.10 AM	9	> 100 JTU	4	28	30
42	Pudukudi	Well in the oorani	Pudukudi	Paramakudi	Ramanathapuram	N	E	18	13.10.2012	11.10 AM	8	40 JTU	4	28	30
43	Ulaiyur	Bore well	Ulaiyur	Mudukulathur	Ramanathapuram	09 43 996 N	78 29 762 E	60	18.10.2012	12.30 PM	8	40 JTU	4	28	32
44	Kodarendal well in the tank	Well	Kodarendal	Mudukulathur	Ramanathapuram	N	E	80	18.10.2012	2.30 PM	8	40 JTU	4	28	30
AndraPradesh															
45	Ontimitta Cross	Village tank	Ontimitta	Punganur	Chittoor	13.30.20.13 N	78.35.03.76 E	10	11.10.2012		7	50 (40 - 100) JTU	4	27	30
46	Pedda cheruvu	Village tank	Bheemaganipalli	Punganur	Chittoor	13.24 12.57 N	78.32.35.40 E	10	22.10.2012		9	50 (40 - 100) JTU	4	30	31
47	Gurram kunta	Penchupalli tank	Penchupalli	Punganur	Chittoor	13.20 49.17 N	78.36.23.49 E	12	23-10-2012		8	51 (40 - 100) JTU	4	30	31
48	Kurapalli tank	Village tank	Kurapalli	Punganur	Chittoor	13.18 08.49 N	78.33.10.49 E	10	23-10-2012		9	50 (40 - 100) JTU	3 (0 - 4)	28	31
49	Village pond	Pond	Kurapalli	Punganur	Chittoor	13.33 04.72 N	78.33.04.72 E	15	23-10-2012		7	35 (0 - 40)JTU	2 (0 - 4)	26	29
50	Edurla cheruvu	MI tank	Vanamaladinne	Punganur	Chittoor	13.19 06.80 N	78.30.45.99 E	15	23-10-2012		7	20 (0 - 40) JTU	2 (0 - 4)	26	30
51	Arantlapalli tank	Small pond	Arantlapalli	Punganur	Chittoor	13.27 19.13 N	78.30.33.15 E	12	22-10-2012		9	4 (0 - 40)	4	30	32
52	Gollapalle Cheruvu	Panchayat Raj Tank	13 Gollapalle	Gudipala	Chittoor	13.11.02 N	79.06.06 E	6	29.10.2012		7	40JTU	4	28	30
53	Ademma Cheruvu	Panchayat Raj Tank	A.L.Puram	Gudipala	Chittoor	13.11.44 N	79.07.19 E	10	29.10.2012		9.00	40 JTU	4	28	26
54	Ganganapallam Cheruvu	Panchayat Raj Tank	Ganganapallam	Gudipala	Chittoor	13.11.08 N	79.08.13 E	10	29.10.2012		8	40 JTU	4	28	28

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55	Village Water tank	Bore Well	Ganganapallam	Gudipala	Chittoor	13.11.11 N	79.08.06 E	10	29.10.2012		7	0 JTU	4	26	28
56	Pasumanda Tap water	Bore Well	Pasumanda	Gudipala	Chittoor	13.09.09 N	79.01.41 E	15	29.10.2012		7	0 JTU	4	28	30
57	Vanaganipalle Cheruvu	Panchayat Raj Tank	Vanaganipalle	Ramasamudram	Chittoor	13.21.48.51 N	78.31.5.96 E	8	30.10.2012		7	100 JTU	4	24	22
58	Uppinelli Cheruvu	Panchayat Raj Tank	Uppinelli	Ramasamudram	Chittoor	13.22.50.57 N	78.30.0.29 E	6	30.10.2012		7	40 JTU	4	24	22
59	Village pond	Village pond	Mugaerrappalle	Ramasamudram	Chittoor	13.22.46.30 N	78.29.27.91 E	10	30.10.2012		10	100 JTU	4	24	22
60	Ragimakula kunta	Panchayat Raj Tank	Bodireddypalle	Palamaner	Chittoor	13.17.33.0 N	78.7.40.20 E	12	23.10.2012		8	100 JTU	4	28	26
61	Mustimakula kunta	Panchayat Raj Tank	Bodireddypalle	Palamaner	Chittoor	13.17.66.6 N	78.7.40.17 E	15	23.10.2012		10	40 JTU	4	28	26
62	Papireddy openwell	Open Well	Kappalle	Palamaner	Chittoor	13.13.48.7 N	78.7.12.37 E	22	23.10.2012		8	0 JTU	4	28	26
63	Lakshman cheruvu	Panchayat Raj Tank	Kappalle	Palamaner	Chittoor	13.15.11.5 N	78.7.21.8 E	13	23.10.2012		8	100 JTU	4	28	26
64	Thatikunta cheruvu	Panchayat Raj Tank	Kappalle	Palamaner	Chittoor	13.14.82.8 N	78.7.31.52 E	18			10	40 JTU	4	28	28
65	Jeedimakulapalle cheruvu	Panchayat Raj Tank	Jeedimakulapalle	Palamaner	Chittoor	13.19.25.8 N	78.7.02.13 E	11	27.10.2012		7	40 JTU	4	34	28
66	Neelabai	Open Well	Jeedimakulapalle	Palamaner	Chittoor	13.19.23.2 N	78.7.02.11 E	8	27.10.2012		8	40 JTU	4	28	28
67	Hand pump Bore well	Bore Well	Jeedimakulapalle	Palamaner	Chittoor	13.92.3.2 N	78.7.02.11 E	11	27.10.2012		6	0 JTU	4	28	28
68	Anjaneya temple	Bore Well	Jeedimakulapalle	Palamaner	Chittoor	13.21.38.2 N	78.71.2.01 E	26	27.10.2012		8	0 JTU	4	24	26
69	Drinking water open well	Open well	Dhanora B	Indervelly	Adilabad	78-35-07.11 N	19-35-45.02 E	22	21.10.2012	3.41 PM	10	0 JTU	4	22	22
70	Drinking Water bore well	Bore well	Gudihathnoor	Gudihathnoor	Adilabad	78-30-44.14 N	19-31-40.71 E	11	1.11.2012	2.15 PM	8	0 JTU	4	22	24
71	Mallapur open well	Open well	Mallapur	Indervelly	Adliabad	78-36-40.22 N	19-28-45.80 E	23	1.11.2012	00.03 PM	8	0 JTU	4	24	30

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72	Irrigation tank Mallapoor	Tank	Mallapoor	Indervelly	Adliabad	78-36-56.02 N	19-20-44.67 E	23	1.11.2012	00.17 PM	8	40 JTU	4	24	28
73	Nagoba tank keshlapoor	Tank	Keshlapoor	Indervelly	Adliabad	78-37-32.70 N	19-28-59.50 E	24	1.11.2012	2.30 PM	8	40 JTU	4	26	28
74	Open well keshlapoor	Open well	Keshlapoor	Indervelly	Adliabad	78-37-38.44 N	19-29-06.26 E	24	1.11.2012	2.45 PM	7	0 JTU	4	26	26
75	Bhorajguda oorani	Oorani	Bhorajguda	Indervelly	Adliabad	78-37-15.03 N	19-29-17.01 E	18	1.11.2012	11.30 AM	8	0 JTU	4	22	28
76	Percolation naggoba temple	Tank	Keshlapoor	Indervelly	Adliabad	78-35-33.35 N	19-27-49.50 E	9	1.11.2012	2.14 PM	8	100 JTU	0	22	26
77	Yemaikunta talab	Tank	Yemaikunta	Indervelly	Adliabad	78-39-30.78 N	19-30-22.55 E	32	1.11.2012	3.00 PM	10	40 JTU	4	22	26
78	Dug out pond	Pond	Inkarguda	Indervelly	Adliabad	78-35-45.76 N	19-31-07.38 E	33	2.11.2012	2.45 PM	7	40 JTU	4	22	24
Karnataka															
79	Timmana kunte	Irrigation tank	Harati	Huthur hobli, Kolar	Kolar	13o 04.33' N	78o 12.82' E	8	13.09.2012	12.04 PM	7	40 JTU	4	26o C	32o C
80	Ooramundina kere	Irrigation tank	Harati	Huthur hobli, Kolar	Kolar	13o 04.56' N	78o 13.19' E	6	13.09.2012	12.35 PM	9	0 JTU	4	28o C	32o C
81	Ooramundina kere	Drinking and Irrigation tank	Hunkundha	Robertson pete hobli, Bangarpet taluk	Kolar	13o 03.63' N	78o 14.51' E	19	13.09.2012	1.09 PM	8	0 JTU	4	26o C	32o C
82	Eemala kere	Irrigation tank	Huthur	Huthur hobli, Kolar taluk	Kolar	13o 07.56' N	78o 14.64' E	5	13.09.2012	2.45 PM	7	40 JTU	4	28o C	30o C
83	Dodda kere	Irrigation tank	Huthur	Huthur hobli, Kolar taluk	Kolar	13o 08.14' N	78o 15.11' E	6	13.09.2012	3.16 PM	8	40 JTU	4	26o C	30o C
84	Sihi neerina kunte	Drinking water tank	Vadagur	Huthur hobli, kolar taluk.	Kolar	13o 09.04' N	78o 14.63' E	3	13.09.2012	4.17 PM	8	0 JTU	4	28o C	28o C
85	Oorumundina kere	Irrigation tank	Harati	Huthur hobli, Kolar taluk	Kolar	13o 06.60' N	78o 11.21' E	5	15.09.2012	4.30 PM	8	40 JTU	4	28o C	28o C

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86	Allikunte kere	Irrigation tank	Harati	Huthur hobli, Kolar taluk.	Kolar	13o 03.34' N	78o 14.97' E	4	19.09.2012	11.17 AM	8	0 JTU	4	28o C	30o C
87	Dodda kere	Irrigation tank	Harati	Huthur hobli, Kolar taluk.	Kolar	13o 06.94' N	78o 11.29' E	3	19.09.2012	11.36 AM	7	0 JTU	4	28o C	30o C
88	Chikka kere	Irrigation tank	Harati	Huthur hobli, Kolar taluk.	Kolar	13o 05.69' N	78o 12.04' E	4	21.09.2012	12.05 PM	8	40 JTU	4	28o C	30o C
89	Dodda kere	Irrigation tank	Harati	Huthur hobli, Kolar taluk.	Kolar	13o 04.39' N	78o 11.99' E	5	21.09.2012	1.10 PM	7	40 JTU	4	28o C	30o C
90	Chamarahalli kere	Irrigation tank	Harati	Huthur hobli, Kolar taluk.	Kolar	13o 04.39' N	78o 13.80' E	6	21.09.2012	10.24 AM	7	0 JTU	4	28o C	30o C
91	Oorumundina kere	Irrigation tank	Harati	Huthur hobli, Kolar taluk.	Kolar	13o 06.39' N	78o 13.21' E	4	21.09.2012	11.10 AM	4	0 JTU	4	28o C	32o C
92	Dodda kere	Irrigation tank	Shapur	Huthur hobli, Kolar taluk.	Kolar	13o 04.74' N	78o 14.52' E	3	21.09.2012	10.25 AM	3	40 JTU	4	28o C	30o C
93	Oorumundina kere	Irrigation tank	Shapur	Huthur hobli, Kolar taluk.	Kolar	13o 06.40' N	78o 13.53' E	5	21.09.2012	10.40 AM	7	40 JTU	4	28o C	36o C
	Total							1532							

Voices of the community

1. Orientation programme at Govt high school at chokkampatti village in Kottampatti block

Jeyalakshmi -9th std, Govt High school Chokkampatti: Today I learned many new things about importance of water and how to protect our water resources I will tell about this to others also.



Vijayalakshmi, 9th std, Govt High school Chokkampatti: today I learnt about the implications of drinking polluted water and how to protect our water. I was shocked to know about the issues of water scarcity and water pollution here after I will save my water. I will tell my parents and friends to protect these resources.



2. Orientation programme at Govt middle school at Manalmettupatti village in Kottampatti block

Pl.Aksayakumaran, 6th standard, Manalmettupatti. From the Water awareness film I came to know about future water crisis. I understood if we are not saving and protecting our water today we will suffer in future.



3. Experience on Water testing at Vanamaladinne:

Vanamaladinne is one of the panchayat which comes under punganur mandal in Andra pradesh. As per the instruction we have opted for testing the water for various factors like PH, Temperature, and Turbidity and Dissolved oxygen. We tested the water of Edrla tank which belongs to Vanamaladinne on 23rd of this month around 05:00pm and process took place with more than ten farmers along with associate Sivappa initially, the water was taken from the tank and explained the process of test and explained all the factors and effect of each parameter. The people here are very cooperative and asked many doubts regarding the process and also outcome of the process. After that we involved school children and gave orientation on water, after that the process of the test has been explained and asked them to relate with their subject on environment.



4. Valli , Kulaiyanur village, Manamadurai Block:
 Kulaiyanur in Manamadurai block on 17-10-2012. We tested oorani water and open well water. In my village, earlier we were using both oorani and open well for both cooking and drinking. Over the years the quality of oorani was degrading and we stopped using the oorani water. In 2011-12 we undertook the rehabilitation of oorani and we were using this oorani for bathing and fish rearing. We let the fingerlings in the oorani but it didn't come up well. We did not know about the reason for it. But today when DHAN did the test in our oorani we came to know that there is a problem with the oorani water . Where us in the well we were told that the well water is reasonably good



5. Kavitha, Melapasalai village , Manamadurai block, Student:

studying in ninth standard in Government high School, Melapasalai village. In our school DHAN Vayalagam (Tank) Foundation, conducted the awareness programme for sensitising water quality monitoring through the testing of my village oorani water with the students on 17-10-2012. We are using the oorani water for both drinking and cooking. Now a days, we are getting the water through the pipeline from bore water also. The bore has situated near the oorani. If there is any problem in the pipeline or with the motor, we have to depend on water from the oorani only. Before this programme i did not know the issues of water pollution and its effect like water borne diseases. After orientation given by DHAN and from the testing i learned about imporatnce of water and protecting our water bodies. We tested pH, Turbidity, dissolved oxygen and temperature of our oorani water.our water is more turbid with less oxygen. I will share this message with my family and my friends.



6. Moorthy ,pandakudi village,kottampatti.

I am the panchayat president of the Pandakudi village. I am living in pandakudi in kottampatti block of Madurai district. In my village, we were using water from china oorani for cooking and drinking purposes till few years back. But now we are using this water only for cooking, because of its change in taste we are not using for drinking. We tested our water we

understood that the water is turned alkaline and there is no oxygen. It may be due to drainage mixing in the pond.



Water quality monitoring at China oornai in pandakudi.

7. Arumugam,Natchiyar oornai ,Thirupathur block.

I am Arumugam ,Treasurer of the Natchiyar oornai vayalaga in Thirupathur location. Today I involved in water quality testing with the team of DHAN Vayalagam (Tank) Foundation. Our villagers likes the oorani water due to its good taste. All my villagers are using this water for drinking. We are keeping the oorani very clean as it is located near the temple. We came to know that the water which we are using is polluted and we need to treat it before use. We will discuss about this in our village meeting and inform all the villagers to keep our oorani clean and treat the water before use.

8. Chinnaya, Melakallampatti village, Kuppan oorani, Ponnamaravathy block.

I am chinnaya,living in melakallampatti village in Ponnamaravathy location.I am the Village leader(Nattamai) of melakallampatti village. I am also the leader of kuppan oorani vayalagam. Today I participated in the water testing. Our oorani water is liked by our villages for its good taste. It looks clean. after the tests performed by DHAN we found that our water is contaminated. We will take efforts jointly with our villagers to improve the quality of our oorani water. We will take efforts to protect our oorani and reduce the contamination.



Water testing at Melakallampatti village.

9. S.Pandiyar, Erakkapatti village , Natham block.

I am the Executive committee member of the natham block co-ordination committee and I am also the Treasurer of the Amman oorani vayalagam. Today DHAN Vayalagam (Tank) Foundation staffs are tested our oorani water, I also involved this test. All my villagers are using this water source only for drinking purpose. There is no any other water source for our village for drinking. So we are keeping the oorani and the catchment area very clean and neat. The test result also indicated that the quality of our water also not bad. We happy to hear the teat result and we will keep continue to maintain our oorani and the catchment very clean.



Water testing at Erakkapatti, Amman oorani, Natham block.

Photo Gallery



Orientation programme at Govt high school at Melapasalai village in Manamadurai block



Orientation programme at Govt high school at Ulaiyur village in Mudukulathur block



Collecting the sample from Pillaiyar koli oorani at Manalmelpatti village



What a Turbidi- Pillaiyar koli oorani water in Manlmelpatti village



Looking at the water pudukudi village in paramkudi block



Looking at the temperature and DO in Permal patti drinking water well



Water testing in Kappalle Village



Sengapadai drinking water well

Collection of sample from kooliyanur oorani in Manamaduri block

