

## **Chapter 3**

### **Well Inventory Data**

Table D3. 1 Data Sheet : Existing Deep Well (more than 25m in Depth)

No.	Owner's Name	Well Type	Latitude	Longitude	Elevation	Year Const.	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Water Color	pH	Electrical Conductivity $\mu$ S/cm	Temperature (°C)	Water Quality Test	
		Dri. W.												A	B
G-3-9	Deep Well - 1	*	13° 48.491	107° 41.912	395		150.00		-	Clear	6.08	54.1	26.3	G-3-1	*
G-3-22	Deep Well - 2	*	13° 48.134	107° 41.526	421		-		-	-	-	-	-		
G-4-91	Church	*	13° 49.565	107° 53.715	606		57.00	80.00	-	Clear	5.00	13.94	25.1	G-4-1	*
G-5-6	PA DT LK C11° No.1	*	14° 6.297	107° 55.434	670		191.00	-	3.78	Clear	10.39	216	27.0	G-5-4	*
G-5-7	PA DT LK C11° No.2	*	14° 6.297	107° 55.434	670		75.00	-	3.96	Slight Tubid	10.61	235	26.4		
G-5-8	PA DT LK C11° No.3	*	14° 6.297	107° 55.434	670		58.50	-	3.85	Slight Tubid	7.59	186.0	26.0		
G-5-13	Rubber Company	*	14° 5.634	107° 58.253	730		120.00	120.00	-	Clear	8.17	238	27.5	G-5-1	*
G-7-63	Deep Well	*	13° 51.053	108° 32.720	450		70.00		-	Clear	7.29	445	26.1	G-7-1	**
D-1-60	Health S. Center	*	12° 56.937	108° 20.306	704		85.00	75.00	40.00	Clear	6.98	183.6	25.4	D-1-1	*
D-2-11	Ms. Hang	*	13° 13.119	108° 12.260	620	-	70.00	50.00	34.77	Slight Tubid	6.91	112.1	25.7	D-2-3	*
D-2-32	Ms. Du	*	13° 12.025	108° 13.006	573	-	70.00	55.00	15.78	Clear	6.82	250	26.1	D-2-4	*
D-2-54	Ms. Hong	*	13° 12.294	108° 12.413	616	-	70.00	45.00	28.92	Clear	6.89	135.1	25.7	D-2-2	*
D-2-72	Rubber Co. No.1	*	13° 12.223	108° 12.048	622		30.00	-	19.42	Clear	5.61	30.1	25.8		*
D-2-73	Rubber Co. No.2	*	13° 12.179	108° 12.136	620		127.00	87.00	-	Clear	7.40	210	26.0	D-2-1	*
D-2-74	Rubber Co. No.3	*	13° 12.154	108° 12.088	617		105.00	-	-	Clear	7.21	215	26.0		
D-3-74	Army Coffee Farm No.1	*	12° 46.406	108° 24.330	480		43.00	35.00	-	Slight Tubid	7.41	356	26.3	D-3-1	*
D-3-75	Army Coffee Farm No.2	*	12° 46.445	108° 24.144	480		65.00	-	Not in use	-	-	-	-		
D-3-76	Army Coffee Farm No.3	*	12° 46.360	108° 24.204	480		43.00	35.00	-	Slight Tubid	6.18	166.0	25.9		
D-3-77	Army Coffee Farm No.4	*	12° 46.250	108° 24.137	480		70.00	-	Not in use	-	-	-	-		
D-3-78	Army Coffee Farm No.5	*	12° 46.351	108° 24.279	480		75.00	-	Not in use	-	-	-	-		
D-3-79	Mr. Son	*	12° 47.183	108° 23.894	488	-	47.00	no	-	-	-	-	-		
D-3-80	Mr. Tri	*	12° 47.193	108° 23.974	488	-	42.00	no	-	-	-	-	-		
D-3-82	Mr. Sang	*	12° 47.818	108° 23.064	505	-	37.00	no	6.79	Clear	6.42	421	25.5		
D-3-84	Army Coffee Farm No.6	*			480		70.00	-	Not in use	-	-	-	-		
D-5-2	Mr. Son	*	12° 51.537	107° 50.366	200		25.00	12.00	5.42	Clear	6.69	935	28.1		
D-5-4	Mr. Trieu	*	12° 51.542	107° 50.400	200	-	30.00	7.00	6.50	Clear	6.68	903	28.1		
D-5-5	Mr. Thuc	*	12° 51.530	107° 50.432	198	-	45.00	17.50	6.80	Clear	6.88	822	28.4	D-5-1	*
D-5-8	Mr. Chinh	*	12° 51.508	107° 50.471	201	-	40.00	9.50	8.31	Slight Tubid	7.00	807	29.8		
D-5-9	Mr. Bay	*	12° 51.499	107° 50.478	201		26.00	-	5.59	Slight Turbid	6.85	740	28.9		
D-5-10	Mr. Phuong	*	12° 51.494	107° 50.503	200	-	40.00	?	3.80	-	-	-	-		
D-5-11	Mr. Tien	*	12° 51.493	107° 50.521	200	-	?	?	3.94	-	-	-	-		
D-5-14	Mr. Vinh	*	12° 51.394	107° 50.667	201	-	60.00		7.25	Slight Tubid	7.01	640	28.2		

Table D3. 2 Data Sheet : Existing Deep Well (more than 25m in Depth)

No.	Owner's Name	Well Type	Latitude	Longitude	Elevation	Year Const.	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dri. W.												A	B
D-5-18	Mr. Toan	*	12° 51.279	107° 51.002	204	-	37.00		4.13	Clear	7.08	468	28.5		
D-5-20	Mr. Lan	*	12° 51.149	107° 51.140	209		38.00	29.30	8.52	Clear	6.80	775	28.9	D-5-2	*
D-5-38	Deep Well	*	12° 50.309	107° 51.790	211		70.00	50.00	-	Clear	6.93	652	28.5	D-5-3	*
D-5-50	Mr. Vien	*	12° 50.031	107° 52.411	211	-	39.00	39.00	2.80	Clear	6.97	779	28.4	D-5-4	*
D-6-1	BARD (Bank)	*	11° 59.591	107° 30.700	715	1999	195.00	120.00	> 40	-	-	-	-		
D-6-3	Mr. Gap (GD of BARD)	*	11° 59.628	107° 30.716	715	1998	154.00	70.00	-	Clear	7.04	228.0	27.0	D-6-3	*
D-6-4	Mr. LOC (VC of DPC)	*	11° 59.648	107° 30.720	715	1996	141.00	80.00	-	Clear	7.94	210.0	28.4	D-6-1	*
D-6-5	Mr. Nho	*	11° 59.727	107° 30.683	720	1997	124.00	80.00	-	Clear	7.00	225.0	27.1		+
D-6-6	Tax Office	*	11° 59.779	107° 30.701	728	2000	162.00	70.00	-	Clear	7.97	199.2	27.2	D-6-2	*
D-6-7	DPC Office	*	12° 0.421	107° 30.718	680	1998	110.00	80.00	-	Clear	6.99	188.7	24.9		
D-6-8	Police Station	*	12° 0.431	107° 30.786	683	1998	140.00	80.00	-	Clear	6.88	149.7	28.1		
D-6-9	Health S. Center	*	12° 0.245	107° 30.643	676	1998	90.00	50.00	-	Clear	6.70	163.2	25.7		
D-6-11	Mr. Kim	*	12° 0.271	107° 30.724	672	2000	85.00	40.00	-	Clear	7.97	220.0	26.7		
D-6-12	Education Office	*	12° 0.032	107° 30.758	691	2000	150.00		-	Clear	6.93	195.4	27.3		
D-6-13	WS -2	*	12° 0.015	107° 30.702	688		145.00	68.00	-	Clear	6.79	147.6	26.7	D-6-4	*
D-6-14	WS -1	*	12° 0.105	107° 30.861	685		150.00		-	Clear	7.45	195.0	26.5	D-6-5	*
D-6-15	SADACO Co.	*	11° 59.751	107° 30.928	716	1999	110.00	80.00	>80	-	-	-	-		
D-6-16	Post Office	*	11° 59.709	107° 30.703	722	1997	100.00	80.00	-	Clear	7.08	193.9	28.1		
D-6-17	Mr. Su	*	11° 59.626	107° 30.688	714	2000	127.00	60.00	-	Clear	5.34	58.1	24.7		
D-6-18	Mr. Hoa	*	11° 59.558	107° 30.609	714	2000	146.00	70.00	-	Clear	6.18	140.5	25.1		
D-7-1	Drilling Well - 1	*	12° 30.691	108° 20.553	435	2001	30.00	25.00	-	Clear	6.32	156.5	25.6	D-7-2	*
D-7-2	Drilling Well - 2	*	12° 30.601	108° 20.673	436	2001	26.50	25.00	-	Clear	6.14	222	26.2	D-7-1	*

Table D3. 3 Data Sheet : Hydrogeological Investigation Result of Krong Nang Town (D-1)

Investigation Date : from May 02 to May 04, 2001

No.		D-1				District Name		Province Name			Dac Lac											
Town Name		Krong Knang				Krong Knang			Dac Lac			Dac Lac										
No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test		
		Dug W.	Dri. W.	P.U.	H. P.															A	B	
1	Mr. Tu	*		*		12° 57.187	108° 20.627	704		0.3		18.38		17.30	13.4	NDU	Clear	6.24	62.0	26.0		
2	Mr. Dung	*		*		12° 57.251	108° 20.602	699		0.3		14.22		13.55	10.2	NDU	Clear	6.13	43.0	26.6	D-1-5	*
3	Mr. Tung	*		*		12° 57.245	108° 20.510	694		-		17.65		15.82	-	-	Clear	6.17	57.0	26.1		
4	Mr. Vui	*		*		12° 57.240	108° 20.717	696		0.3		14.69		13.16	9.7	NDU	Clear	6.39	101.0	25.4		
5	Mr. Minh	*		*		12° 57.356	108° 20.669	690		-		16.37		14.96	14.6	NDU	Slight Turbid	6.16	64.6	26.5		
6	Mr. Dong	*		*		12° 57.639	108° 20.805	688		-		19.17		16.25	13.2	NDU	Clear	6.42	68.5	25.4		
7	Mr. Hanh	*		*		12° 57.357	108° 20.522	685		0.3		16.68		12.80	12.8	NDU	Clear	6.26	57.5	25.3		
8	Mr. Thu	*		*		12° 57.456	108° 20.680	680		-		17.20		15.80	5.2	NDU	Clear	6.22	67.6	25.3		
9	Mr. Long	*		*		12° 57.456	108° 20.784	682		1.0		20.53		14.78	10.5	NDU	Clear	6.45	111.1	28.1		
10	Mr. Chuong	*		*		12° 57.458	108° 20.543	679		-		15.58		9.25	5.6	NDU	Clear	6.09	60.0	24.9		
11	Mr. Phuong	*		*		12° 57.549	108° 20.628	671		0.3		21.23		14.07	1.5	NDU	Clear	6.57	78.7	25.4		
12	Mr. Khoa	*		*		12° 57.549	108° 20.542	675		0.5		14.87		6.15	1.5	NDU	Clear	6.16	81.2	25.5		
13	Mr. Dan	*		*		12° 57.546	108° 20.777	670		0.3		19.15		18.80	7.2	NDU	Clear	6.15	43.5	28.1		
14	Mr. Tinh	*		*		12° 57.524	108° 20.901	671		0.3		16.51		12.81	-	NDU	-	-	-	-		
15	Mr. An	*		*		12° 57.523	108° 21.005	671		0.5		9.90		9.15	3.9	NDU	Clear	6.03	39.3	25.7		
16	Mr. Vinh	*		*		12° 57.371	108° 20.906	687		0.3		17.08		14.55	7.1	DU	Clear	6.67	100.4	24.5		
17	Mr. Thuyet	*		*		12° 57.340	108° 21.016	686		0.3		16.10		12.83	6.1	DU	Clear	6.30	43.7	25.6		
18	Mr. Phien	*		*		12° 57.162	108° 20.374	707		0.3		16.70		16.32	-	-	Turbid	6.25	40.3	25.3		
19	Mr. Quy	*		*		12° 57.224	108° 20.378	705		0.3		14.85		12.85	8.9	NDU	Clear	6.14	39.0	25.6		
20	Mr. Hung	*		*		12° 57.188	108° 20.255	706		0.3		12.80		12.75	-	DU	Turbid	6.91	93.9	25.3		
21	Mr. Anh	*		*		12° 57.217	108° 20.155	706		0.5		13.70		12.50	10.7	NDU	Clear	6.37	86.0	25.4		
22	Mr. Luong	*		*		12° 57.392	108° 20.152	702		-		17.83		16.58	14.8	NDU	Slight Turbid	6.34	68.6	25.1		
23	Mr. Son	*		*		12° 57.388	108° 20.261	701		0.0		19.05		15.45	-	NDU	Clear	6.28	66.0	25.1		
24	Mr. Khiem	*		*		12° 57.391	108° 20.378	701		-		22.48		16.95	11.5	NDU	Clear	6.41	74.1	25.1		
25	Mr. Son	*		*		12° 57.541	108° 20.402	687		0.3		20.08		16.11	10.0	NDU	Clear	6.00	51.4	26.1		
26	Mr. Thuot	*		*		12° 57.526	108° 20.268	690		0.3		15.90		14.26	3.0	NDU	Clear	6.30	76.9	25.2		
27	Mr. Tuy	*		*		12° 57.547	108° 20.164	682		0.5		10.50		8.62	2.5	DU	Clear	6.41	162.2	24.4		
28	Mr. Phu	*		*		12° 57.635	108° 20.177	674		0.2		14.25		12.03	4.3	NDU	Clear	6.41	118.0	24.5		
29	Mr. Dung	*		*		12° 57.637	108° 20.384	677		0.3		19.40		13.48	-	NDU	-	-	-	-		
30	Mr. Vinh	*		*		12° 57.095	108° 20.507	707		0.3		22.90		20.93	19.0	NDU	Clear	6.50	92.8	25.3		
31	Mr. Ba	*		*		12° 57.065	108° 20.388	708		-		23.27		20.35	18.3	NDU	Clear	6.15	60.1	25.1		
32	Mr. Ga	*		*		12° 57.083	108° 20.286	707		0.5		18.12		17.61	13.1	NU	Clear	6.73	64.5	27.0		
33	Mr. Long	*		*		12° 57.112	108° 20.122	705		0.3		11.84		10.18	-	-	Turbid	6.55	71.5	25.7		
34	Mr. Long	*		*		12° 57.144	108° 20.014	702		-		7.45		4.85	3.9	NDU	Clear	6.34	86.1	25.2		
35	Mr. Dinh	*		*		12° 57.211	108° 19.936	705		0.0		11.91		10.47	-	-	Slight Turbid	5.66	117.6	25.1		
36	Mr. Canh	*		*		12° 57.288	108° 19.736	707		0.5		12.50		10.33	6.5	NDU	Clear	6.09	60.0	24.9		
37	Mr. Tan	*		*		12° 57.124	108° 19.702	702		0.2		14.70		13.23	9.7	NDU	Clear	6.49	113.4	25.3		
38	Mr. Vinh	*		*		12° 57.155	108° 20.796	696		0.3		14.60		10.65	4.0	NDU	Clear	6.28	150.6	25.5		

D3- 3

Table D3. 4 Data Sheet : Hydrogeological Investigation Result of Krong Nang Town (D-1)

Investigation Date : from May 02 to May 04, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
39	Mr. Vinh	*		*		12° 57.127	108° 20.927	688		0.3	9.50		4.75	4.7	NDU	Clear	6.17	132.1	24.9		
40	Mr. Y Tao	*		*		12° 57.102	108° 21.045	684		0.2	6.50		4.10	-	NDU	Clear	6.20	111.3	26.5		
41	Mr. Pac	*		*		12° 57.068	108° 21.280	680		0.2	12.95		9.90	9.0	NDU	Clear	5.95	50.8	25.7		
42	Spring + Pond					12° 57.048	108° 21.083	676	30~40	-	-		-	-	NDU	Slight Turbid	6.59	101.9	26.8		No.2
43	Mr. Y Mit	*		*		12° 57.059	108° 20.928	684		0.0	12.40		6.80	2.4	NDU	Clear	6.77	109.8	25.4		
44	Mr. Y Banh	*		*		12° 56.881	108° 20.933	687		0.2	18.48		16.95	-	NDU	-	-	-	-		
45	Mr. Y Blon	*		*		12° 56.760	108° 20.972	688		0.2	16.85		13.43	4.9	DU	Clear	6.42	120.7	26.3		
46	Mr. Minh	*		*		12° 56.597	108° 21.030	684		0.3	22.37		15.85	14.3	NDU	Clear	6.16	74.0	25.1		
47	Ms. Tuyet	*		*		12° 56.401	108° 21.085	684		0.3	24.42		18.39	16.9	NDU	-	-	-	-		
48	Mr. Huynh	*		*		12° 56.954	108° 21.564	704		0.2	18.45		15.43	13.5	NDU	Clear	6.25	75.8	25.1		
49	Mr. Hai	*		*		12° 57.028	108° 20.602	705		-	19.52		16.88	13.5	NDU	Slight Turbid	6.14	50.3	25.5		
50	Mr. Hung	*		*		12° 57.027	108° 20.768	700		0.0	11.25		9.50	5.3	NDU	-	-	-	-		
51	Mr. Chinh	*		*		12° 56.890	108° 20.751	694		0.3	10.27		7.35	4.3	NDU	Clear	5.97	60.0	25.8		
52	Mr. Thuan	*		*		12° 56.886	108° 20.567	703		0.2	14.95		12.58	10.0	NDU	Clear	6.23	74.2	25.8		
53	Mr. Nhat	*		*		12° 56.790	108° 20.662	694		-	10.00		5.00	1.0	NDU	Clear	5.94	267	25.6		
54	Ms. Dieu	*		*		12° 56.710	108° 20.763	690		0.2	10.31		9.31	8.8	NDU	Clear	5.98	53.7	25.4		
55	Mr. Quoc	*		*		12° 56.646	108° 20.876	687		0.2	20.50		18.20	10.5	NDU	Clear	6.06	53.7	25.6		
56	Mr. Luong	*		*		12° 57.003	108° 20.410	706		0.3	24.40		21.02	17.4	DU	Clear	5.76	29.3	25.1		
57	Mr. Ba	*		*		12° 57.029	108° 20.502	705		0.2	21.01		17.41	11.0	NDU	Clear	6.31	68.4	25.3		
58	Mr. Loi	*		*		12° 56.922	108° 20.438	704		0.5	18.10		17.20	13.1	NDU	Clear	6.15	59.5	25.0		
59	Mr. Son	*		*		12° 56.908	108° 20.319	703		-	16.67		16.85	11.7	NDU	Clear	6.09	57.8	25.6		
60	Health S. Center		*			12° 56.937	108° 20.306	704		-	85.00	75.00	40.00		NDU	Clear	6.98	183.6	25.4	D-1-1	*
61	Mr. Hoi	*		*		12° 56.979	108° 20.159	695		0.3	9.80		8.70	5.8	NDU	Clear	5.99	55.8	25.1		
62	Mr. Moi	*		*		12° 56.919	108° 20.203	698		-	11.79		10.93	7.8	NDU	Clear	6.20	75.7	25.2		
63	Pond					12° 56.856	108° 20.135	685	200~250	-	-		-	-	NDU	Turbid	7.15	90.0	28.1		
64	Mr. Son	*		*		12° 56.755	108° 20.216	694		0.3	7.24		6.19	-	NDU	Clear	6.44	83.9	24.7		
65	Rivulet					12° 57.120	108° 19.908	693	100~150	-	-		-	-	NDU	Turbid	6.88	110.8	27.9		
66	Dam					12° 57.617	108° 20.683	668		-	-		-	-	NDU	Turbid	7.75	85.2	28.4		
67	Mr. Quang	*		*		12° 56.805	108° 20.334	701		0.3	23.67		17.00	13.7	NDU	Clear	6.31	74.6	25.4		
68	Mr. Manh	*		*		12° 56.781	108° 20.456	700		0.2	12.40		12.20	-	-	-	-	-	-		
69	Mr. Hung	*		*		12° 56.758	108° 20.565	694		0.3	4.25		2.75	-	NDU	Turbid	6.25	85.3	26.1		
70	Mr. Thao	*		*		12° 56.952	108° 20.324	704		0.2	19.20		17.55	-	NDU	Clear	6.05	59.0	25.4	D-1-2	*
71	Mr. Ban	*		*		12° 56.947	108° 20.585	704		-	18.80		15.65	11.8	NDU	Clear	6.59	111.3	24.9	D-1-3	*
72	Spring - 2					12° 57.043	108° 21.160	675	60~80	-	-		-	-	NDU	Clear	6.44	112.4	25.2	D-1-4	No.3
73	TPC's Well	*		*		12° 57.075	108° 20.657	704		-	17.50		10.90	-	NDU	Clear	5.94	255	24.8		No.1
74	JICA D-1		*			12° 56.948	108° 20.607	703		-	140.00	(42.0)	11.80	-	-	Clear	6.43	153.0	25.3	D-1-0	*

Table D3. 5 Data Sheet : Hydrogeological Investigation Result of Ea Drang Town (D-2)

Investigation Date : from April 02 to April 04, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
1	Mr. Dan	*				13° 13.402	108° 12.271	621		0.0	22.28		18.59	15.0	NDU	Turbid	5.05	16.61	25.1		
2	Mr. Chuong	*		*		13° 13.452	108° 12.284	623		0.0	23.60		21.82	13.6	NDU	Clear	5.22	14.72	24.4		
3	Mr. Duc	*		*		13° 13.552	108° 12.262	623		-	24.50		21.50	17.5	21.5	Clear	5.07	15.08	24.7		
4	Mr. Duoc	*		*		13° 13.406	108° 12.327	619		0.3	22.65		15.94	8.0	NDU	Clear	5.14	16.28	25.7		
5	Mr. Hai	*		*		13° 13.796	108° 12.445	612		0.0	22.95		20.88	8.0	NDU	Clear	5.52	18.92	25.1		
6	Ms. Bo	*				13° 13.398	108° 12.530	600		0.0	21.60		19.86	6.6	NDU	Clear	5.97	31.6	25.2		
7	Mr. Long	*				13° 13.326	108° 12.312	619		0.0	29.40		23.35	9.4	NDU	Slight Turbid	5.47	24.2	25.1		
8	Mr. Thang	*		*		13° 13.265	108° 12.350	620		0.3	27.89		24.17	21.0	NDU	-	-	-	-		
9	Mr. Y Bluk	*		*		13° 13.343	108° 12.181	623		-	28.00		-	22.0	NDU	Clear	5.12	17.99	26.4		
10	Mr. Quyen	*				13° 13.310	108° 12.213	623		0.5	23.30		22.19	18.3	NDU	Slight Turbid	5.31	13.53	25.5		
11	Ms. Hang		*	*		13° 13.119	108° 12.260	620		-	70.00	50.00	34.77	-	NDU	Slight Turbid	6.91	112.1	25.7	D-2-3	*
12	Mr. Hien	*		*		13° 13.131	108° 12.306	614		-	26.85		22.45	21.0	DU	-	-	-	-		
13	Ms. Thinh	*				13° 13.091	108° 12.292	623		0.3	28.33		24.80	-	DU	-	-	-	-		
14	Mr. Loi	*		*		13° 13.056	108° 12.232	622		0.0	23.15		21.53	20.0	DU	Clear	6.58	92.4	26.0		
15	Mr. Duong	*		*		13° 12.984	108° 12.208	622		-	20.21		18.00	10.0	NDU	Clear	6.38	79.7	30.6		
16	Mr. Tam	*		*		13° 12.992	108° 12.308	610		-	21.80		19.50	-	NDU	Clear	6.00	34.2	25.8		
17	Mr. Tuyen	*		*		13° 12.994	108° 12.165	628		0.5	21.21		19.04	11.2	NDU	Clear	6.08	39.1	25.4		
18	Mr. Do	*		*		13° 12.890	108° 12.168	628		-	25.75		24.58	18.7	NDU	Clear	6.33	76.0	24.6		
19	Mr. Tho	*		*		13° 12.802	108° 12.217	628		-	21.38		19.28	16.4	NDU	Clear	6.58	109.9	26.1		
20	Mr. Nhuan	*		*		13° 12.725	108° 12.296	630		-	19.99		18.33	7.0	NDU	Turbid	6.41	56.5	25.3		
21	Ms. Nghia	*		*		13° 12.654	108° 12.379	630		-	27.05		25.25	14.0	NDU	Turbid	5.62	23.9	25.3		
22	Ms. Dao	*		*		13° 12.623	108° 12.445	630		-	29.74		22.66	-	NDU	-	-	-	-		
23	Mr. Thanh	*		*		13° 12.535	108° 12.457	630		0.0	24.15		21.73	12.2	NDU	Slight Turbid	5.61	15.09	24.5		
24	Mr. Luong	*				13° 12.419	108° 12.387	635		1.0	25.07		22.93	22.0	NDU	Slight Turbid	6.27	40.6	24.9		
25	Mr. Tu	*				13° 12.451	108° 12.319	644		0.3	21.58		20.40	-	NDU	Clear	5.29	11.99	24.9		
26	Mr. Thuong	*				13° 12.472	108° 12.219	650		0.0	25.19		23.74	-	-	Clear	5.39	11.87	25.8		
27	Mr. Vinh	*		*		13° 12.398	108° 12.487	628		-	16.30		15.04	6.3	NDU	Clear	6.50	70.5	25.3		No.4
28	State Bank	*		*		13° 12.313	108° 12.565	605		1.5	20.58		19.15	10.6	NDU	Clear	6.20	39.4	25.8		
29	Mr. Sy	*		*		13° 12.281	108° 12.683	592		1.0	15.58		14.13	5.6	NDU	Clear	5.85	28.3	25.6		
30	Ms. Phuong	*		*		13° 12.174	108° 12.767	580		0.5	17.87		14.92	7.9	NDU	Clear	6.46	144.5	25.8		
31	Ms. Dung	*				13° 12.101	108° 12.892	575		0.5	25.82		24.78	23.8	DU	Clear	6.55	35.6	25.5		
32	Ms. Du	*	*			13° 12.025	108° 13.006	573		-	70.00	55.00	15.78	-	-	Clear	6.82	250	26.1	D-2-4	No.5, *
33	Mr. Bay	*		*		13° 11.968	108° 13.118	575		-	20.43		19.00	13.4	NDU	-	-	-	-		
34	Mr. Ymoaran	*		*		13° 12.229	108° 12.937	580		0.5	20.65		19.61	14.7	DU	Clear	5.81	14.06	25.7		
35	Rivulet					13° 12.191	108° 13.086	550	500~800	-	-		-	-	-	Slight Turbid	7.89	115.9	23.0		
36	Unknown Name	*				13° 12.302	108° 12.909	578		0.3	19.44		18.50	-	-	Clear	5.84	26.5	25.2		
37	Mr. Thai	*				13° 12.799	108° 12.810	560		1.0	19.97		16.57	12.0	NDU	Clear	5.19	14.78	25.3		
38	Mr. Cuong	*		*		13° 12.615	108° 12.841	572		-	18.32		16.98	15.3	NDU	Clear	5.49	13.86	25.8		

D3-5

Table D3. 6 Data Sheet : Hydrogeological Investigation Result of Ea Drang Town (D-2)

Investigation Date : from April 02 to April 04, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
39	Mr. Xiu	*				13° 12.492	108° 12.878	572		0.3	19.63		16.05	-	NDU	Clear	5.45	14.47	25.0		
40	Mr. Y Chien	*		*		13° 12.155	108° 12.983	572		0.5	26.30		20.61	20.3	DU	Clear	5.71	26.5	26.3		
41	Mr. Chung	*		*		13° 12.103	108° 108o1	570		-	21.30		20.48	13.3	NDU	Clear	6.44	129.3	25.5		
42	Mr. Nham	*		*		13° 12.430	108° 12.604	611		-	18.73		17.93	16.7	DU	Clear	5.14	31.3	25.6		
43	Mr. Quang	*		*		13° 12.492	108° 12.641	609		-	24.65		21.20	14.7	DU	Clear	6.43	62.5	26.9		
44	Mr. Hao	*		*		13° 12.610	108° 12.670	599		0.3	27.75		23.40	-	NDU	Clear	5.40	13.60	25.5		
45	Mr. Chan	*		*		13° 12.742	108° 12.703	588		0.5	22.35		18.99	18.3	NDU	Clear	5.39	14.26	25.4		
46	Mr. Ton	*		*		13° 12.742	108° 12.610	596		0.3	24.25		22.14	10.3	NDU	Clear	5.26	14.74	25.8		
47	Mr. Cu	*		*		13° 12.520	108° 12.923	594		0.3	24.75		22.83	17.8	NDU	Clear	5.40	14.95	25.9		
48	Mr. Hung	*		*		13° 12.442	108° 12.759	593		0.5	24.12		21.70	16.1	NDU	Clear	6.13	45.3	25.7		
49	Mr. Hien	*		*		13° 12.347	108° 12.725	593		-	20.85		19.50	-	NDU	Clear	6.24	74.0	26.3		
50	Mr. Hung	*		*		13° 12.006	108° 12.804	576		0.5	16.98		16.47	7.0	NDU	-	-	-	-		
51	Mr. Buong	*		*		13° 12.172	108° 12.699	575		0.5	7.09		6.28	4.1	NDU	Clear	6.32	100.1	26.2		
52	Ms. Bay	*		*		13° 12.186	108° 12.584	581		-	18.04		15.70	-	NDU	Slight Turbid	6.12	47.0	26.0		
53	Mr. Tinh	*		*		13° 12.242	108° 12.505	599		-	23.90		21.05	15.9	NDU	Clear	6.08	55.5	26.4		
54	Ms. Hong	*	*	*		13° 12.294	108° 12.413	616		-	70.00	45.00	28.92	-	NDU	Clear	6.89	135.1	25.7	D-2-2	*
55	Mr. Phuong	*		*		13° 12.297	108° 12.314	618		0.5	23.83		22.67	16.8	NDU	Clear	5.55	18.76	25.4		
56	Mr. Anh	*		*		13° 12.270	108° 12.184	622		-	24.25		22.95	-	NDU	Clear	5.62	18.06	25.4		
57	Mr. Thanh	*				13° 12.260	108° 12.105	622		0.3	25.25		21.78	16.2	NDU	Clear	5.80	22.1	25.2		
58	Mr. Hai	*				13° 12.358	108° 12.072	628		0.2	23.38		21.54	-	-	Clear	5.39	12.91	25.2	D-2-5	*
59	Mr. Bu	*		*		13° 12.501	108° 12.007	628		0.3	27.90		19.71	14.9	NDU	Clear	5.71	13.67	25.9		
60	Mr. Hien	*				13° 12.465	108° 12.104	640		0.0	22.57		20.05	16.6	NDU	Clear	5.76	10.71	25.6		
61	Mr. Thach	*		*		13° 12.174	108° 12.365	601		0.5	21.06		19.85	17.0	NDU	Clear	5.42	15.15	25.6		
62	Mr. Bay	*		*		13° 12.048	108° 12.303	593		0.5	17.81		16.27	10.8	NDU	Clear	5.45	15.58	26.1		
63	Mr. Tinh	*		*		13° 12.954	108° 12.263	580		-	15.89		11.48	10.9	NDU	Clear	5.85	18.87	25.9		
64	Ms. Tan	*				13° 11.837	108° 12.228	576		0.5	10.63		8.34	8.0	NDU	Clear	5.87	29.1	25.4		
65	Mr. Son	*				13° 11.744	108° 12.213	572		0.5	3.09		2.25	1.0	NDU	Clear	5.43	164.0	25.5		
66	Mr. Thang	*				13° 12.070	108° 12.560	574		0.5	11.08		9.16	5.0	NDU	-	-	-	-		
67	Mr. Dam	*		*		13° 12.077	108° 12.466	580		0.5	17.96		15.15	-	NDU	Clear	5.42	18.05	25.7		
68	Mr. Soc	*		*		13° 12.180	108° 12.317	607		0.0	25.94		23.80	20.0	NDU	Clear	5.36	20.8	25.5		
69	Mr. Phung	*		*		13° 12.089	108° 12.262	597		0.5	21.80		18.96	15.8	NDU	Clear	5.82	13.34	24.8		
70	Mr. Dung	*		*		13° 11.979	108° 12.189	584		0.5	19.87		16.99	-	NDU	Clear	5.49	15.18	24.9		
71	Ms. Thuy	*				13° 12.097	108° 12.153	610		0.3	23.08		20.70	-	NDU	Slight Turbid	5.81	19.12	25.3		
72	Rubber Co. No.1		*			13° 12.223	108° 12.048	622		-	30.00		19.42	-	NDU	Clear	5.61	30.1	25.8		No.1
73	Rubber Co. No.2		*			13° 12.179	108° 12.136	620		-	127.00	87.00	-	-	NDU	Clear	7.40	210	26.0	D-2-1	No.2
74	Rubber Co. No.3		*			13° 12.154	108° 12.088	617		-	105.00	-	-	-	NDU	Clear	7.21	215	26.0		No.3
75	JICA D-2		*			13° 12.443	108° 12.041	627		-	180.00		-	-	-	Clear	6.42	100.6	26.4	D-2-0	*

Table D3. 7 Data Sheet : Hydrogeological Investigation Result of Krong Buk Commune (D-3)

Investigation Date : from April 12 to April 14, 2001

No.		D-3				District Name			Province Name												
Commune Name		Krong Buk				Krong Pak			Dac Lac												
No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
1	Mr. Thanh	*		*		12° 46.339	108° 22.621	460		Full	5.26		2.42	0.3	NDU	Clear	6.46	452	24.8		
2	Mr. Chung	*		*		12° 46.414	108° 22.621	469		2.0	5.35		3.18	0.5	NDU	Clear	6.65	518	25.4		
3	Mr. Tinh	*				12° 46.485	108° 22.599	477		0.3	4.97		2.67	0.0	NDU	Clear	6.81	432	24.8		
4	Mr. Tuan	*				12° 46.318	108° 22.729	469		0.2	4.70		3.01	0.0	NDU	Clear	6.27	539	25.2		
5	Ms. Muon	*				12° 46.352	108° 22.747	472		0.2	7.47		6.96	3.5	NDU	Clear	6.31	469	24.6		
6	Mr. Tam	*				12° 46.232	108° 22.761	462		0.5	5.56		5.00	0.0	NDU	Slight Turbid	7.45	706	25.1		
7	Mr. Buong	*		*		12° 46.288	108° 22.766	466		Full	7.66		5.59	1.0	NDU	Slight Turbid	6.41	920	25.7		
8	Mrs. Thua	*				12° 46.364	108° 22.857	467		0.2	4.90		2.95	0.5	NDU	Slight Turbid	6.80	758	23.9		
9	Rice Field					12° 46.390	108° 22.830	465	20-30	-	-		-	-	-	Slight Turbid	7.58	343	25.5		
10	Mr. Quyen	*				12° 46.340	108° 22.869	467		0.2	2.28		1.70	-	-	Clear	7.00	824	24.7		
11	Mr. Khanh	*				12° 46.343	108° 23.012	472		0.5	4.31		1.57	0.0	NDU	Clear	6.24	547	25.4		
12	Mr. Thanh	*				12° 46.468	108° 23.035	481		Full	13.47		10.25	9.5	DU	Clear	6.36	326	25.3		
13	Mr. Thi	*				12° 46.570	108° 23.056	484		4.0	5.17		4.52	1.0	DU	Slight Turbid	6.87	382	24.4		
14	Pond					12° 46.577	108° 23.014	480		-	-		-	-	DU	Slight Turbid	7.44	333	28.4		
15	Mr. Y Mang	*				12° 46.240	108° 23.034	473		0.0	5.70		1.00	0.0	NDU	Slight Turbid	6.44	361	26.0		
16	Mr. Y Yuom	*		*	*	12° 46.156	108° 23.072	473		-	7.40		3.31	0.5	NDU	Clear	5.96	337	25.4		
17	Mr. Y Hon	*		*		12° 46.167	108° 23.137	474		0.5	5.94		5.02	2.0	NDU	Clear	6.54	275	33.3		
18	Mr. Y Nang	*		*		12° 46.149	108° 23.216	474		0.0	7.39		7.00	3.0	NDU	Clear	6.06	278	25.8		
19	Mr. Tuyen	*				12° 46.190	108° 23.283	475		Full	10.95		7.75	4.0	NDU	Clear	6.21	460	25.5		
20	Mr. Y Blam	*				12° 46.124	108° 22.981	470		0.5	7.26		1.87	0.0	NDU	Clear	6.20	387	25.4		
21	Mr. Y Bhe	*				12° 46.107	108° 22.911	464		0.5	5.39		1.78	-	-	Clear	6.68	632	25.0		
22	Mr. Y Blul	*				12° 46.048	108° 23.097	474		0.3	6.78		3.60	1.0	NDU	Clear	5.89	301	25.2		
23	Mr. Chin	*				12° 46.325	108° 23.124	475		0.2	10.76		8.20	0.0	NDU	Slight Turbid	6.53	366	24.7	D-3-2	*
24	Ms. Tai	*		*		12° 46.318	108° 23.226	478		1.0	13.63		7.40	5.0	NDU	Clear	6.25	248	26.6		
25	Mr. Y Khan	*				12° 46.404	108° 23.184	482		Full	15.04		11.17	3.0	NDU	Clear	6.12	181.0	25.6		
26	Mr. Y Chong	*				12° 46.489	108° 23.175	490		0.2	14.60		12.83	2.0	DU	Turbid	6.00	146.0	25.4		
27	Ms. H Yang	*				12° 46.576	108° 23.167	487		Full	11.30		9.36	4.0	NDU	Clear	6.35	138.0	25.3		
28	Mr. Y Blak	*		*		12° 46.642	108° 23.171	492		0.3	13.18		10.30	5.0	NDU	Clear	5.95	99.0	26.2		
29	Mr. Y Dhong	*				12° 46.508	108° 23.268	491		Full	18.68		12.26	6.0	NDU	Clear	6.26	221	25.5		
30	Mr. Y Phen	*		*		12° 46.474	108° 23.357	490		4.5	14.53		13.22	7.5	DU	Clear	6.46	237	26.0		
31	Mr. Y Lim	*		*		12° 46.412	108° 23.304	484		0.0	12.68		11.67	2.5	DU	Clear	6.12	184.0	26.2		
32	Ms. H Doi	*				12° 46.399	108° 23.425	484		1.0	14.38		10.92	3.0	NDU	Clear	6.35	205	25.5		
33	Mr. Y Diem	*		*		12° 46.426	108° 23.518	484		Full	10.50		7.56	0.0	NDU	Clear	6.33	214	25.8		
34	Mr. Thien	*				12° 46.276	108° 23.290	477		Full	9.25		7.68	4.5	DU	Clear	6.07	860	25.4		
35	Mr. Chung	*		*		12° 46.201	108° 23.401	477		0.3	13.98		10.63	9.5	NDU	Clear	6.33	433	26.7	D-3-3	*
36	Mr. Chan	*		*		12° 46.181	108° 23.511	474		0.3	9.42		5.61	1.5	NDU	Slight Turbid	6.08	296	27.4		
37	Mr. Son	*		*		12° 46.148	108° 23.610	468		1.5	7.20		4.20	0.0	DU	Clear	6.02	248	26.5	D-3-4	*
38	Ms. Tu	*				12° 46.122	108° 23.687	467		0.2	6.65		2.80	0.0	NDU	Clear	6.44	247	25.0		

D3-7



Table D3. 8 Data Sheet : Hydrogeological Investigation Result of Krong Buk Commune (D-3)

Investigation Date : from April 12 to April 14, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test		
		Dug W.	Dri. W.	P. U.	H. P.															A	B	
		Commune Name																		District Name	Province Name	
		D-3																				
		Krong Buk																				
		Krong Pak																				
		Dac Lac																				
39	Mr. Dai	*				12° 46.142	108° 23.792	467		0.5	10.65		2.70	2.0	NDU	Clear	5.90	261	25.1			
40	Mr. Muoi	*				12° 46.169	108° 23.980	468		Full	4.48		2.22	0.5	NDU	Clear	5.70	195.0	24.6			
41	Mr. Tien	*				12° 46.250	108° 23.990	469		0.3	7.96		4.24	2.5	NDU	Clear	6.66	186.0	24.2			
42	Mr. Y Then	*				12° 46.104	108° 23.280	474		0.2	8.16		5.08	0.0	NDU	Slight Turbid	6.24	310	25.0			
43	Mr. Y Duel	*				12° 46.077	108° 23.183	473		0.0	6.80		3.56	0.0	NDU	Clear	5.91	178.0	23.9			
44	Ms. H Brong	*				12° 46.149	108° 23.314	475		0.0	9.64		7.25	0.0	DU	Clear	6.31	344	25.4			
45	Mr. An	*				12° 46.172	108° 23.375	475		0.3	10.87		7.70	0.0	DU	Clear	6.23	336	25.2			
46	Mr. Ngoc	*		*		12° 46.151	108° 23.384	475		1.0	10.12		6.71	0.5	NDU	Slight Turbid	6.22	436	25.2			
47	Mr. Thanh	*		*		12° 46.112	108° 23.394	475		0.5	7.72		4.87	0.5	NDU	Clear	6.32	412	25.0	D-3-5	*	
48	Ms. H Gu	*				12° #####	108° 23.404	477		0.0	6.83		6.80	1.0	DU	Slight Turbid	6.00	257	24.9			
49	Mr. Y Rin	*		*		12° 46.025	108° 23.372	476		0.5	9.56		5.60	0.0	NDU	Slight Turbid	6.39	247	25.4			
50	Mr. Gang	*				12° 46.018	108° 23.334	474		0.0	8.02		4.62	-	-	Clear	6.43	419	26.1			
51	Ms. H Doan	*				12° 46.052	108° 23.454	478		0.0	7.70		6.45	-	-	Slight Turbid	6.27	134.0	25.2			
52	Mr. Y Nguc	*				12° 46.085	108° 23.545	477		0.3	7.10		5.91	0.5	NDU	Clear	5.87	178.0	25.6			
53	Ms. Chinh	*				12° 46.130	108° 23.497	473		0.5	10.30		5.65	0.5	NDU	Clear	6.46	332	25.7			
54	Mr. Y Lia	*				12° 46.061	108° 23.651	470		0.0	5.61		5.54	0.0	NDU	-	-	-	-			
55	Mr. Y Tro	*		*		12° 45.971	108° 23.677	472		0.3	6.46		4.35	0.0	NDU	Clear	5.99	153.0	24.7			
56	Mr. Y Wim	*				12° 45.865	108° 23.686	472		0.2	7.27		5.20	2.5	NDU	Clear	6.15	174.0	25.7			
57	Mr. Y Lan	*		*		12° 45.712	108° 23.759	472		0.3	9.52		6.03	4.0	NDU	Clear	6.00	163.0	25.7			
58	Mr. Y Ruih	*		*		12° 45.630	108° 23.804	472		0.3	9.38		6.39	4.0	NDU	Clear	5.53	56.0	25.9			
59	Mr. Y Lo	*		*		12° 45.572	108° 23.887	471		0.2	7.03		3.30	3.0	NDU	Slight Turbid	6.18	162.0	25.6			
60	M. Y Phuong	*				12° 45.443	108° 23.947	470		0.5	10.20		5.59	3.0	NDU	Clear	6.29	200	25.6			
61	Mr. Y Thanh	*				12° 45.346	108° 24.005	470		0.3	8.77		5.79	3.0	NDU	Slight Turbid	5.84	77.0	25.4			
62	Mr. Y Bhan	*				12° 45.281	108° 24.102	468		0.5	7.14		3.62	0.0	DU	Slight Turbid	5.98	109.0	24.8			
63	Mr. Y Sip	*				12° 45.933	108° 23.586	480		1.0	13.00		8.90	5.0	NDU	Clear	6.25	185.0	26.1			
64	Mr. Y Suac	*				12° 45.910	108° 23.433	477		0.5	11.74		10.48	4.0	NDU	Turbid	6.53	269	25.2			
65	Ms. H Pi	*				12° 45.904	108° 23.359	473		0.5	12.00		7.80	2.0	NDU	Clear	6.29	301	28.5			
66	Mr. Y Sum	*		*		12° 45.798	108° 23.481	477		Full	13.05		10.20	6.0	NDU	Clear	6.16	391	26.2			
67	Mr. Y Kim	*		*		12° 45.879	108° 23.576	480		1.0	11.11		9.14	-	-	Clear	5.93	114.0	25.8			
68	Mr. Tam	*		*		12° 45.271	108° 23.482	479		0.5	11.83		7.76	3.0	NDU	Clear	6.16	294	25.3			
69	Mr. Dung	*		*		12° 46.344	108° 23.508	481		Full	12.51		9.44	1.5	NDU	Clear	6.09	211	24.2			
70	Mr. Duong	*				12° 46.316	108° 23.440	481		0.3	13.76		10.86	6.0	DU	Clear	6.33	233	25.4			
71	Mr. Ngam	*		*		12° 46.233	108° 23.598	471		0.3	9.70		8.43	0.0	DU	Clear	5.95	202	25.0			
72	Mr. Nghi	*		*		12° 46.318	108° 23.674	478		-	-		-	-	DU	Clear	5.88	95.0	25.6			
73	Mr. Can	*				12° 46.188	108° 24.124	478		0.2	11.96		11.50	5.0	DU	Slight Turbid	6.65	357	25.2			
74	Army Coffee Farm No.1		*	*		12° 46.406	108° 24.330	480		35.0	43.00	35.00	-	6.0	10.0	Slight Turbid	7.41	356	26.3	D-3-1	No.3, *	
75	Army Coffee Farm No.2		*			12° 46.445	108° 24.144	480		-	65.00		Not in use	-	-	-	-	-	-			
76	Army Coffee Farm No.3		*	*		12° 46.360	108° 24.204	480		35.0	43.00	35.00	-	6.0	10.0	Slight Turbid	6.18	166.0	25.9			

D3- 8

Table D3. 9 Data Sheet : Hydrogeological Investigation Result of Krong Buk Commune (D-3)

Investigation Date : from April 12 to April 14, 2001

No. <u>D-3</u>		Commune Name <u>Krong Buk</u>				District Name <u>Krong Pak</u>			Province Name <u>Dac Lac</u>												
No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
77	Army Coffee Farm No.4	*				12° 46.250	108° 24.137	480	-	70.00		Not in use	-	-	-	-	-	-			
78	Army Coffee Farm No.5	*				12° 46.351	108° 24.279	480	-	75.00		Not in use	-	-	-	-	-	-			
79	Mr. Son		*			12° 47.183	108° 23.894	488	-	47.00	no	-	-	-	-	-	-	-			
80	Mr. Tri		*			12° 47.193	108° 23.974	488	-	42.00	no	-	-	-	-	-	-	-			
81	Mr. Nho	*	*			12° 46.375	108° 22.959	470	Full	12.92	no	1.25	1.3	NDU	Clear	6.10	237	28.1			
82	Mr. Sang	*	*			12° 47.818	108° 23.064	505	4.0	37.00	no	6.79	0.0	NDU	Clear	6.42	421	25.5			
83	Mr. Hang	*		*		12° 46.321	108° 22.827	468	-	5.07		2.83	0.5	NDU	Clear	6.32	482	25.5		No.4	
84	Army Coffee Farm No.6	*						480	-	70.00		Not in use	-	-	-	-	-	-			
85	CPC's Well	*				12° 46.215	108° 23.156	475	-	9.27		4.30	-	NDU	Clear	6.33	268	25.4		No.1	
86	Rivulet					12° 48.275	108° 22.766	465	-	-		-	-	NDU	Slight Turbid	8.15	467	24.9		No.2	
87	JICA D-3		*			12° 46.100	108° 23.368	475	-	140.00		-	-	-	Clear	7.99	550	26.2	D-3-0	*	

Table D3. 10 Data Sheet : Hydrogeological Investigation Result of Ea Drong Commune (D-4)

Investigation Date : from April 04 to April 06, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
		No.																		District Name	
		D-4				Ea Drong		Krong Buk		Dac Lac											
1	CPC	*		*		12° 53.841	108° 19.389	625		-	14.50		11.55	7.5	NDU	Clear	6.70	213	26.3		
2	Mr. Ma Hoang	*				12° 53.970	108° 19.297	622		0.0	10.06		9.78	8.0	DU	Turbid	6.85	214	24.0		
3	Mr. Minh	*				12° 54.055	108° 19.199	616		0.3	4.80		3.80	0.0	DU	Clear	7.03	252	25.1	D-4-3	*
4	Mr. Y Thanh	*				12° 54.168	108° 19.173	621		0.0	10.68		8.82	7.7	DU	Clear	6.86	207	25.2		
5	Mr. Tho	*				12° 54.259	108° 19.086	625		0.0	10.10		9.45	-	NDU	Slight Turbid	6.71	156.0	25.3		
6	Mr. Y Bli	*		*		12° 54.332	108° 19.036	629		0.5	12.90		10.64	8.9	NDU	Clear	6.81	157.8	26.2		
7	Mr. Y Kham	*		*		12° 54.447	108° 18.963	631		-	10.90		8.95	7.9	NDU	Slight Turbid	6.77	96.5	25.7		
8	Mr. Y Pa	*				12° 54.574	108° 18.933	636		0.0	7.05		6.60	5.0	DU	Slight Turbid	6.76	78.8	24.8		
9	Mr. Y Block	*		*		12° 54.664	108° 18.833	640		0.3	14.49		12.76	-	-	-	-	-	-		
10	Mr. Y Brih	*				12° 54.710	108° 18.805	641		0.3	15.00		13.60	12.0	NDU	Clear	6.87	60.6	25.2		
11	Mr. Y Blul	*				12° 53.917	108° 19.470	622		0.2	15.20		13.08	9.2	NDU	Clear	6.57	125.6	25.6		
12	Mr. Y Lam	*				12° 53.989	108° 19.410	625		0.0	13.82		12.87	7.8	NDU	Clear	6.74	175.8	25.2		
13	Mr. Y Yu	*				12° 54.039	108° 19.510	621		0.0	8.85		8.33	2.9	DU	Slight Turbid	6.74	175.4	24.5		
14	Mr. Y Krih	*				12° 54.105	108° 19.312	626		0.3	18.55		15.70	15.5	NDU	Clear	6.47	133.3	25.2		
15	Mr. Y Klo	*				12° 54.116	108° 19.432	623		0.0	12.93		11.45	8.9	NDU	-	-	-	-		
16	Mr. Y Blut	*				12° 54.215	108° 19.283	627		0.0	16.34		15.35	12.3	NDU	Slight Turbid	6.83	135.3	25.0		
17	Mr. Y Hia	*				12° 54.233	108° 19.432	622		0.0	9.18		8.52	2.0	NDU	Clear	6.72	168.5	25.1		
18	Mr. Y Guol	*		*		12° 54.303	108° 19.202	628		-	11.07		8.83	4.0	NDU	Clear	6.67	243	25.5		
19	Mr. Y Gren	*				12° 54.383	108° 19.146	627		0.3	9.15		5.85	5.2	NDU	Clear	6.68	172.6	25.0		
20	Mr. Long	*				12° 53.747	108° 19.422	621		-	11.79		7.63	-	NDU	Clear	6.30	356	25.9		
21	Mr. Y Ngiem	*				12° 53.827	108° 19.536	618		0.3	12.70		6.93	5.0	NDU	Clear	5.93	194.7	25.4		
22	Mr. Y Blang	*				12° 53.850	108° 19.587	614		0.5	6.55		1.99	0.0	NDU	Clear	5.54	153.6	25.2		
23	Mr. Y Rit	*				12° 53.635	108° 19.623	615		0.0	7.22		6.88	3.2	DU	D	6.51	699	24.2		
24	Mr. Y Phor	*				12° 53.668	108° 19.664	612		0.0	4.59		1.76	0.0	NDU	Turbid	6.33	331	23.6		
25	Ms. H Dlie	*				12° 53.566	108° 19.548	602		0.0	9.45		6.55	-	NDU	Clear	6.89	800	23.7		
26	Mr. Yblih	*				12° 53.554	108° 19.720	614		0.2	7.55		7.42	2.0	DU	Turbid	6.30	388	24.2		
27	Mr. Y Phoan	*				12° 53.623	108° 19.774	602		0.0	3.65		2.65	0.4	NDU	Slight Turbid	6.80	609	23.9		
28	Mr. Y Byui	*				12° 53.480	108° 19.638	604		0.0	7.30		4.35	2.0	NDU	Clear	6.51	509	24.7		
29	Mr. Y Dhan	*				12° 53.481	108° 19.793	614		0.2	5.60		5.58	2.0	DU	-	-	-	-		
30	Mr. Y Yot	*				12° 53.448	108° 19.745	609		0.0	5.36		3.25	2.5	NDU	Slight Turbid	6.33	566	23.7		
31	Ms. H Ngiem	*				12° 53.534	108° 19.844	606		0.0	5.38		3.14	0.0	NDU	Clear	6.78	631	24.2		
32	Mr. Y Rang	*				12° 53.485	108° 19.872	615		0.2	5.30		3.20	0.0	NDU	Clear	6.66	904	25.0		
33	Ms. H Din	*				12° 53.418	108° 19.831	614		0.0	5.65		2.70	0.0	NDU	Slight Turbid	6.48	316	24.8		
34	Ms. H Gum	*				12° 53.545	108° 19.949	608		0.0	4.75		2.45	0.0	NDU	Slight Turbid	6.53	328	25.0		
35	Mr. Y Lue	*		*		12° 53.695	108° 19.508	615		0.3	10.00		4.40	1.0	NDU	Slight Turbid	5.93	415	25.4	D-4-5	-
36	Mr. Y Suom	*				12° 53.745	108° 19.542	618		0.2	11.78		8.38	6.8	NDU	Clear	5.86	428	25.4		
37	Mr. Y Hai	*				12° 53.780	108° 19.578	615		0.2	12.21		8.01	0.0	NDU	Slight Turbid	6.53	422	24.9		
38	Ms. Huan	*				12° 53.637	108° 19.491	614		0.0	3.50		0.40	0.0	NDU	Slight Turbid	5.93	403	25.4		

D3-10

Table D3. 11 Data Sheet : Hydrogeological Investigation Result of Ea Drong Commune (D-4)

Investigation Date : from April 04 to April 06, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
39	Stream					12° 54.201	108° 18.690	604	1,000	-	-	-	-	NDU	Turbid	7.22	141.2	32.9			
40	Mr. Thanh	*		*		12° 54.180	108° 18.766	610		-	5.80	4.68	0.5	NDU	-	-	-	-			
41	Mr. Lo	*			*	12° 54.200	108° 18.881	617		0.3	5.70	3.63	1.0	NDU	Clear	7.07	670	25.9			
42	Mr. Y Ben	*				12° 54.269	108° 18.992	627		0.0	10.65	9.45	5.7	NDU	Clear	6.13	178.1	25.2			
43	Reservoir - 1					12° 54.410	108° 19.222	616		-	-	-	-	NDU	Slight Turbid	7.45	127.5	27.1			
44	Spring -1					12° 54.373	108° 19.289	610	40-50	-	-	-	-	NDU	Clear	6.19	180.3	25.5	D-4-1	No.1	
45	Reservoir - 2					12° 54.639	108° 18.448	618		-	-	-	-	NDU	Turbid	7.89	116.0	29.4			
46	Spring - 4					12° 54.057	108° 19.152	608	100	-	-	-	-	NDU	Clear	6.26	215	26.3			
47	Spring - 5					12° 54.008	108° 19.142	605	60-70	-	-	-	-	NDU	Clear	6.31	276	25.9			
48	Mr. Y Dhan	*				12° 53.817	108° 19.318	617		0.0	8.58	8.58	6.6	DU	-	-	-	-			
49	Mr. Y Si	*				12° 53.838	108° 19.286	615		0.0	9.35	7.32	2.4	NDU	Slight Turbid	6.13	244	25.3	D-4-4	*	
50	Mr. Y Rin	*				12° 53.772	108° 19.209	603		0.0	1.65	0.70	-	NDU	Turbid	6.36	200	25.1			
51	Spring - 6					12° 53.812	108° 19.210	604	20-30	-	-	-	-	NDU	Turbid	7.00	217	24.7			
52	Mr. Y Hon	*				12° 53.856	108° 19.173	605		0.0	11.45	9.91	5.5	NDU	Clear	6.37	294	24.7			
53	Mr. Y Dgiu	*				12° 53.827	108° 19.095	600		0.0	7.00	4.40	1.5	NDU	Clear	6.16	229	24.8			
54	Mr. Y Cet	*				12° 53.887	108° 19.102	608		0.3	8.80	6.85	2.8	NDU	Slight Turbid	6.24	228	25.0			
55	Mr. Y Dec	*				12° 53.910	108° 19.157	614		0.0	11.90	10.95	6.9	NDU	Clear	6.66	351	25.1			
56	Mr. Y Blo	*				12° 53.713	108° 19.354	619		0.0	8.30	6.25	2.0	DU	Clear	6.48	423	24.4			
57	Mr. Y Men	*				12° 53.704	108° 19.274	610		0.0	7.15	6.15	-	NDU	Clear	6.02	253	24.0			
58	Mr. Y Bo	*				12° 53.672	108° 19.259	608		0.0	6.77	4.12	0.0	NDU	Clear	6.24	280	24.7			
59	Mr. Y Muk	*				12° 53.940	108° 19.518	615		0.5	10.96	8.10	5.0	NDU	Clear	6.16	225	24.9			
60	Mr. Xuong	*				12° 54.198	108° 18.993	622		0.3	10.05	4.90	0.0	NDU	Clear	6.15	193.4	25.4			
61	Mr. Khanh	*				12° 54.098	108° 18.986	616		0.5	6.75	6.30	3.4	NDU	Clear	6.85	387	24.8			
62	Ms. Nghia	*				12° 54.983	108° 19.058	602		0.5	8.38	7.45	1.0	NDU	Clear	6.54	469	24.6			
63	Mr. Cuong	*				12° 54.168	108° 18.939	618		0.5	8.85	5.65	1.0	NDU	Clear	6.86	457	24.1			
64	Mr. Oi	*				12° 54.080	108° 18.826	610		0.5	6.12	3.82	3.0	NDU	Clear	7.15	329	24.7			
65	Mr. Phuoc	*				12° 54.045	108° 18.956	610		0.3	3.65	1.20	0.6	NDU	Slight Turbid	6.14	298	24.0			
66	JICA D-4		*			12° 53.819	108° 19.268	613		-	180.00	-	-	-	Clear	8.85	401	25.9	D-4-0	*	
67	Mr. Binh	*				12° 54.273	108° 19.067	625		0.5	12.85	10.70	3.9	9.9	Clear	6.44	153.4	26.0	D-4-2	*	
68	Spring-2					12° 53.811	108° 19.212	602		-	-	-	-	NDU	Slight Turbid	7.08	233	23.5		No.2	
69	Spring-3					12° 53.393	108° 19.733	598		-	-	-	-	NDU	Slight Turbid	6.47	494	24.6		No.4	
70	Unknown	*				12° 53.868	108° 19.349	625		-	-	-	-	NDU	Slight Turbid	6.02	171.9	24.6		No.3	

Table D3. 12 Data Sheet : Hydrogeological Investigation Result of Ea Wer Commune (D-5)

Investigation Date : from April 09 to April 11, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
1	River Em rat					12° 51.553	107° 50.307	194		-	-	-	-	NDU	Slight Turbid	7.16	126.1	28.2			
2	Mr. Son		*	*		12° 51.537	107° 50.366	200		12.0	25.00	12.00	5.42	3.0	NDU	Clear	6.69	935	28.1		
3	Mr. Tu	*				12° 51.548	107° 50.367	198		0.0	5.38		3.37	0.0	3.0	Turbid	7.06	245	26.7		
4	Mr. Trieu	*	*	*		12° 51.542	107° 50.400	200		1.5	30.00	7.00	6.50	3.0	NDU	Clear	6.68	903	28.1		
5	Mr. Thuc		*	*		12° 51.530	107° 50.432	198		17.5	45.00	17.50	6.80	5.0	NDU	Clear	6.88	822	28.4	D-5-1	*
6	Mr. Mien		*	*		12° 51.500	107° 50.411	198		12.5	20.00	12.50	6.04	-	-	Slight Turbid	6.89	780	27.1		
7	Mr. Tat	*				12° 51.486	107° 50.429	198		0.0	1.50		1.50	-	DU	-	-	-	-		
8	Mr. Chinh		*	*		12° 51.508	107° 50.471	201		9.5	40.00	9.50	8.31	-	-	Slight Turbid	7.00	807	29.8		
9	Mr. Bay	*	*	*		12° 51.499	107° 50.478	201		2.0	26.00		5.59	1.5	NDU	Slight Turbid	6.85	740	28.9		
10	Mr. Phuong	*	*	*		12° 51.494	107° 50.503	200		-	40.00	?	3.80	1.0	DU	-	-	-	-		
11	Mr. Tien	*	*	*		12° 51.493	107° 50.521	200		-	?	?	3.94	1.0	4.0	-	-	-	-		
12	Mr. Chan	*				12° 51.451	107° 50.506	199		0.0	3.23		3.23	0.0	DU	-	-	-	-		
13	Mr. Ngai	*				12° 51.485	107° 50.534	199		2.0	2.65		2.57	0.0	DU	Slight Turbid	7.26	1,137	27.1		
14	Mr. Vinh	*	*	*		12° 51.394	107° 50.667	201		2.5	60.00		7.25	6.0	NDU	Slight Turbid	7.01	640	28.2		
15	Mr. Thuc - UNICEF				*	12° 51.387	107° 50.728	201		14.0	30.0		-	-	NDU	Slight Turbid	7.01	818	31.7		
16	Mr. Do - UNICEF				*	12° 51.417	107° 50.762	201		12.0	20.0		-	-	NDU	Slight Turbid	7.08	618	29.9		
17	Ms. Thong	*				12° 51.331	107° 50.984	204		0.0	4.20		3.80	0.0	3.8	Turbid	6.73	342	28.3		
18	Mr. Toan	*	*	*		12° 51.279	107° 51.002	204		3.5	37.00		4.13	3.0	NDU	Clear	7.08	468	28.5		
19	Mr. Hong	*				12° 51.263	107° 51.107	207		0.0	4.55		3.65	0.0	NDU	Turbid	5.38	212	28.3		
20	Mr. Lan		*	*		12° 51.149	107° 51.140	209		29.3	38.00	29.30	8.52	6.0	NDU	Clear	6.80	775	28.9	D-5-2	*
21	Mr. Hop	*				12° 50.882	107° 51.297	207		0.0	4.24		4.00	-	-	Turbid	7.04	359	27.8		
22	Mr. Cho	*		*		12° 50.790	107° 51.361	210		3.5	6.27		5.60	0.0	NDU	Slight Turbid	7.25	764	28.7		
23	Mr. Hoa	*				12° 50.653	107° 51.465	221		2.0	6.80		6.45	0.0	NDU	Clear	6.39	337	28.2		
24	Mr. Nam	*		*		12° 50.652	107° 51.512	222		-	9.81		7.85	1.0	NDU	Clear	6.60	747	27.9		
25	Mr. An	*				12° 50.581	107° 51.507	221		0.0	4.70		3.59	1.0	DU	Turbid	6.45	152.0	26.9		
26	Mr. Cuong	*				12° 50.594	107° 51.582	218		0.5	6.65		6.55	3.0	DU	Slight Turbid	6.94	1106	28.2		
27	River Eitul					12° 50.550	107° 51.608	205		-	-		-	-	NDU	Turbid	7.66	102.0	29.1		
28	Mr. Y Sa	*				12° 50.424	107° 51.635	208		0.0	3.65		2.55	-	-	Clear	6.58	456	27.7		
29	Mr. Y Nuh	*				12° 50.384	107° 51.618	210		0.0	3.15		2.85	0.0	DU	Slight Turbid	6.45	371	27.2		
30	Public Well	*				12° 50.386	107° 51.643	210		1.5	4.42		2.74	1.5	DU	Clear	6.50	408	28.2		
31	Tank 4					12° 50.380	107° 51.658	210		-	-		-	-	-	Clear	8.20	723	34.1		
32	Mr. Hon		*			12° 50.401	107° 51.671	210		7.5	15.00	7.50	3.12	1.5	NDU	Clear	6.97	756	29.2		
33	Tank 3					12° 50.353	107° 51.711	210		-	-		-	-	-	Clear	7.13	706	30.2		
34	Mr. Ma Yan	*				12° 50.373	107° 51.752	210		0.0	3.00		2.80	0.8	DU	Clear	6.60	497	26.8		
35	Tank 2					12° 50.332	107° 51.756	210		-	-		-	-	-	Clear	7.04	699	29.6		
36	Mr. Ma Hue	*		*		12° 50.323	107° 51.744	211		1.0	4.00		3.02	1.0	NDU	Clear	6.56	439	28.2		
37	Tank 0					12° 50.308	107° 51.787	211		-	-		-	-	-	Clear	7.49	702	29.5		
38	Deep Well		*			12° 50.309	107° 51.790	211		50.0	70.00	50.00	-	-	-	Clear	6.93	652	28.5	D-5-3	No.1, *

Table D3. 13 Data Sheet : Hydrogeological Investigation Result of Ea Wer Commune (D-5)

Investigation Date : from April 09 to April 11, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
39	Tank 1					12° 50.295	107° 51.825	211		-	-	-	-	-	-	-	7.05	695	29.4		
40	Mr. Ma Moc	*				12° 50.277	107° 51.803	211		0.0	3.65		3.15	0.0	NDU	Slight Turbid	6.35	288	27.3		
41	Ms. Phuong	*				12° 50.298	107° 51.839	211		0.3	3.48		2.48	1.0	DU	Slight Turbid	7.01	318	28.7		
42	Public Well	*				12° 50.279	107° 51.895	212		2.0	5.78		3.18	2.0	NDU	Clear	6.91	466	27.5		
43	Mr. Ma Chao	*				12° 50.204	107° 51.940	212		0.5	4.45		3.07	2.5	NDU	Clear	6.48	400	27.6		
44	Mr. Si That	*	*	*		12° 50.137	107° 51.065	212		1.0	19.00		6.50	1.5	NDU	Clear	6.98	528	27.9		
45	Ms. H Vin	*				12° 50.170	107° 52.094	213		0.0	3.49		2.78	0.0	DU	Clear	6.44	369	27.3		
46	Mr. Ma Phuoc	*				12° 50.095	107° 52.357	211		0.0	2.97		2.46	-	-	Clear	6.36	357	27.6		
47	Mr. Ma Blem	*				12° 50.146	107° 52.163	211		0.0	2.67		2.46	-	DU	Turbid	6.88	290	30.3		
48	Mr. Can	*				12° 50.089	107° 52.284	210		1.0	2.91		1.96	0.0	NDU	Clear	6.73	314	25.0		
49	Ms. Huong		*		*	12° 50.131	107° 52.326	210		-	10.00		-	-	NDU	Clear	6.91	248	27.6		
50	Mr. Vien	*	*	*		12° 50.031	107° 52.411	211		2.5	39.00	39.00	2.80	1.0	NDU	Clear	6.97	779	28.4	D-5-4	*
51	Mr. Binh	*	*	*		12° 50.033	107° 52.466	211		1.5	19.00		3.50	1.0	NDU	Clear	6.99	567	27.8		
52	Mr. Thien	*	*	*	*	12° 49.976	107° 52.506	211		-	3.78		2.55	-	-	Clear	6.35	282	27.3		
53	Mr. Duc	*		*		12° 49.948	107° 52.470	211		-	5.76		2.47	-	NDU	-	-	-	-		
54	Mr. Din	*				12° 49.855	107° 52.507	210		0.0	3.00		2.43	1.0	NDU	Clear	6.66	269	26.9		
55	Mr. Hai	*				12° 49.848	107° 52.546	210		0.3	4.24		3.40	0.0	NDU	Clear	6.89	747	26.8		
56	Mr. Nen	*				12° 49.763	107° 52.578	211		0.5	2.85		1.95	0.4	NDU	Turbid	6.67	359	27.0		
57	Mr. Chien	*				12° 49.725	107° 52.480	210		0.5	2.12		2.00	0.0	NDU	Slight Turbid	6.80	442	27.1		
58	Mr. Vuong	*		*		12° 49.631	107° 52.632	211		0.5	5.55		5.01	5.0	5.0	Clear	5.98	265	28.9		
59	Mr. Phuoc	*		*		12° 49.588	107° 52.724	209		0.2	3.10		4.90	0.0	NDU	Clear	6.25	225	27.0		
60	Mr. Thao	*				12° 49.527	107° 52.747	209		0.5	5.00		4.35	2.0	DU	Slight Turbid	6.34	1039	27.3		
61	Ms. Ha	*		*		12° 49.459	107° 52.819	208		1.0	4.41		3.24	1.5	NDU	Clear	6.57	218	27.3		
62	Mr. Nhung	*				12° 49.454	107° 52.876	207		0.2	2.81		2.32	0.5	NDU	Slight Turbid	7.05	587	27.0		
63	Mr. Bac	*		*		12° 49.402	107° 52.890	207		1.0	4.11		3.20	1.0	NDU	Clear	6.71	483	27.0		
64	Mr. Chinh	*				12° 49.389	107° 53.002	208		0.3	3.60		2.58	1.0	NDU	Clear	6.99	738	27.4		
65	Ms. Lan	*				12° 49.357	107° 52.989	208		1.0	5.88		5.28	1.0	DU	Slight Turbid	7.22	537	26.4		
66	Mr. Trung	*				12° 49.357	107° 53.058	208		0.0	3.88		3.70	0.0	DU	-	-	-	-		
67	Mr. Sac	*				12° 49.230	107° 53.222	211		Full	5.24		4.46	-	-	Clear	6.72	1,041	26.5		
68	Mr. Dien	*		*		12° 49.255	107° 53.266	210		2.0	5.86		4.70	1.0	NDU	Clear	6.95	1,198	27.7		
69	Mr. Hoe	*				12° 49.588	107° 52.809	210		1.0	4.80		3.88	2.5	DU	Slight Turbid	6.89	786	26.8		
70	Mr. Quay	*				12° 49.647	107° 52.928	211		0.0	4.14		3.43	0.5	NDU	Slight Turbid	6.50	231	27.1		
71	Mr. Dai	*				12° 49.698	107° 53.037	212		0.0	4.30		3.00	1.0	NDU	Slight Turbid	6.63	240	27.0		
72	Mr. Thien	*				12° 49.641	107° 52.410	215		0.2	5.45		5.28	4.5	DU	-	-	-	-		
73	Mr. Sinh	*				12° 49.509	107° 52.171	245		0.0	4.00		3.60	-	-	Turbid	5.82	149.0	27.9		
74	Mr. Buy	*				12° 49.440	107° 52.143	245		0.0	4.80		4.40	-	-	Slight Turbid	5.51	36.0	27.3		
75	Mr. Tro	*				12° 50.125	107° 52.395	209		0.0	1.53		0.94	0.0	DU	Slight Turbid	6.67	190.0	29.1		
76	Mr. Muoi	*				12° 50.192	107° 52.492	209		0.0	1.55		1.00	0.7	DU	Turbid	6.90	100.0	28.2		

Table D3. 14 Data Sheet : Hydrogeological Investigation Result of Ea Wer Commune (D-5)

Investigation Date : from April 09 to April 11, 2001

No.		D-5				District Name		Buon Don		Province Name		Dac Lac									
Commune Name		Ea Wer																			
No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
77	Mr. Xung	*				12° 50.212	107° 52.583	209		0.0	1.50		0.45	0.0	D	Turbid	6.59	94.0	30.4		
78	Irrigation Canal					12° 50.197	107° 52.583	209		-	-		-	-	-	Turbid	7.23	107.0	32.5		
79	Mr. Dine	*				12° 50.263	107° 52.355	209		0.0	2.04		0.59	0.0	NDU	Turbid	6.70	117.0	29.0		
80	Mr. Y Thuc	*				12° 50.339	107° 52.259	209		0.0	3.60		2.30	-	-	Clear	6.67	954	27.5		
81	Mr. Y Roih	*				12° 50.382	107° 52.117	209		0.0	3.23		2.27	1.5	NDU	Clear	6.54	364	27.2		
82	Mr. Ma Bhiet	*				12° 50.399	107° 51.992	209		0.0	3.00		1.65	-	-	Slight Turbid	6.45	169.0	27.9		
83	Mr. Ma Haum	*				12° 50.441	107° 51.731	209		0.0	2.68		2.13	0.0	NDU	Clear	6.23	466	27.8		
84	Mr. Cap	*				12° 51.602	107° 50.451	199		1.5	6.04		5.88	-	-	Turbid	7.89	653	26.5		
85	Mr. Ma Tro	*				12° 50.142	107° 51.883	211		0.0	3.44		3.00	0.0	NDU	Clear	6.42	376	27.5		
86	Mr. Y Chung	*				12° 50.120	107° 51.953	211		0.0	3.55		2.83	0.5	NDU	Slight Turbid	6.64	462	27.9		
87	Mr. Y Chua	*				12° 50.225	107° 51.544	208		0.0	2.30		2.30	1.0	DU	-	-	-	-		
88	Mr. Y Doen	*				12° 50.104	107° 51.753	212		0.0	3.15		2.90	-	-	Clear	6.55	383	27.8		
89	Pond					12° 50.060	107° 51.767	206		-	-		-	-		Slight Turbid	7.53	119.0	32.3		
90	Ms. H Yly	*				12° 50.386	107° 52.015	209		0.0	2.10		0.83	0.0	DU	Slight Turbid	6.35	123.7	31.0	D-5-5	*
91	JICA D-5		*			12° 49.156	107° 53.319	223		-	150.00		-	-	-	Clear	6.93	558	27.7	D-5-0	*
92	Unknown	*				12° 50.291	107° 51.778	210		-	4.23		3.18	0.0	DU	Slight Turbid	6.94	276	26.1		No.2
93	Mr.Hien	*				12° 49.181	107° 53.319	226		0.5	6.50		3.15	0.5	NDU	Slight Turbid	5.81	277	27.0		

Table D3. 15 Data Sheet : Hydrogeological Investigation Result of Kien Duc Town (D-6)

Investigation Date : from May 09 to May 10, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
1	BARD (Bank)		*			11° 59.591	107° 30.700	715	-	195.00	120.00	> 40	-	-	-	-	-	-			
2	BARD (Bank)	*		*		11° 59.591	107° 30.700	715	-	23.11		19.51	14.0	NDU	Clear	5.75	37.6	25.1			
3	Mr. Gap (GD of BARD)		*			11° 59.628	107° 30.716	715	-	154.00	70.00	-	-	NDU	Clear	7.04	228.0	27.0	D-6-3	*	
4	Mr. Loc (VC of DPC)		*			11° 59.648	107° 30.720	715	-	141.00	80.00	-	-	NDU	Clear	7.94	210.0	28.4	D-6-1	No.3, *	
5	Mr. Nho		*			11° 59.727	107° 30.683	720	-	124.00	80.00	-	-	NDU	Clear	7.00	225.0	27.1		+	
6	Tax Office		*			11° 59.779	107° 30.701	728	-	162.00	70.00	-	-	NDU	Clear	7.97	199.2	27.2	D-6-2	*	
7	DPC Office		*			12° 0.421	107° 30.718	680	-	110.00	80.00	-	-	NDU	Clear	6.99	188.7	24.9			
8	Police Station		*			12° 0.431	107° 30.786	683	-	140.00	80.00	-	-	NDU	Clear	6.88	149.7	28.1			
9	Health S. Center		*			12° 0.245	107° 30.643	676	-	90.00	50.00	-	-	NDU	Clear	6.70	163.2	25.7			
10	Health S. Center	*		*		12° 0.245	107° 30.643	677	0.2	14.63		12.50	-	-	-	-	-	-			
11	Mr. Kim		*			12° 0.271	107° 30.724	672	-	85.00	40.00	-	-	NDU	Clear	7.97	220.0	26.7			
12	Education Office		*			12° 0.032	107° 30.758	691	-	150.00		-	-	NDU	Clear	6.93	195.4	27.3			
13	WS -2		*			12° 0.015	107° 30.702	688	-	145.00	68.00	-	-	NDU	Clear	6.79	147.6	26.7	D-6-4	No.1, *	
14	WS -1		*			12° 0.105	107° 30.861	685	-	150.00	-	-	-	NDU	Clear	7.45	195.0	26.5	D-6-5	*	
15	SADACO Co.		*			11° 59.751	107° 30.928	716	-	110.00	80.00	>80	-	DU	-	-	-	-			
16	Post Office		*			11° 59.709	107° 30.703	722	-	100.00	80.00	-	-	NDU	Clear	7.08	193.9	28.1			
17	Mr. Su		*			11° 59.626	107° 30.688	714	-	127.00	60.00	-	-	NDU	Clear	5.34	58.1	24.7			
18	Mr. Hoa		*			11° 59.558	107° 30.609	714	-	146.00	70.00	-	-	NDU	Clear	6.18	140.5	25.1			
19	JICA D-6		*			11° 58.802	107° 30.021	670	-	170.00		-	-	-	Clear	6.23	145.6	28.0	D-6-0	*	
20	Ms. Trinh	*		*		11° 59.728	107° 30.676	723	0.3	21.15		20.73	18.0	NDU	Clear	5.33	25.7	25.0			
21	Ms. Hoa	*		*		11° 59.607	107° 30.615	714	0.3	27.10		26.81	-	NDU	Clear	6.12	81.40	24.6			
22	Ms. Hue	*		*		11° 59.406	107° 30.619	715	0.5	23.31		21.60	-	NDU	-	-	-	-			
23	Mr. Son	*		*		11° 59.288	107° 30.555	715	0.3	19.27		16.63	8.0	NDU	Clear	4.90	17.31	24.7			
24	Mr. Vu	*				11° 59.209	107° 30.504	704	0.2	18.09		16.74	15.0	NDU	Clear	5.84	50.8	24.7			
25	Ms. Lieu	*				11° 59.125	107° 30.401	700	5.0	22.00		19.68	15.0	NDU	-	-	-	-			
26	Mr. Hung	*				11° 59.002	107° 30.313	695	0.2	18.65		14.61	13.0	NDU	Slight Turbid	5.21	16.81	24.1			
27	Mr. Cuong	*		*		11° 58.953	107° 30.218	685	0.5	17.05		14.85	-	NDU	Clear	5.25	17.28	25.4			
28	Mr. Xuoc	*				11° 58.891	107° 30.145	681	0.2	12.10		11.62	9.1	NDU	Clear	5.05	15.22	24.3			
29	Mr. Lan	*				11° 58.795	107° 30.043	678	0.3	11.25		9.60	7.2	NDU	Clear	5.07	16.35	23.9			
30	Mr. Thanh	*				11° 58.729	107° 29.925	683	0.0	16.90		14.80	-	NDU	Clear	4.77	15.33	24.1			
31	Ms. San	*		*		11° 58.625	107° 29.794	685	3.0	20.80		13.40	8.0	NDU	Clear	5.68	35.9	25.1			
32	Mr. Tu	*		*		11° 59.773	107° 30.658	710	0.3	20.72		17.40	12.7	NDU	Clear	5.33	37.9	25.4			
33	Mr. Bau	*		*		11° 59.917	107° 30.663	690	0.3	14.20		13.65	-	NDU	Clear	5.89	46.9	24.0			
34	Mr. Hung	*		*		12° 0.068	107° 30.644	683	0.0	15.05		14.50	5.0	DU	-	-	-	-			
35	Mr. Hung	*		*		12° 0.158	107° 30.699	677	0.3	12.65		10.79	1.0	NDU	Clear	5.04	24.9	26.0			
36	Mr. Phong	*		*		12° 0.275	107° 30.700	672	0.5	3.80		1.45	0.5	NDU	Clear	5.12	39.1	24.9			
37	Mr. Tai	*		*		12° 0.362	107° 30.689	672	0.2	9.50		7.10	2.5	NDU	Clear	4.86	26.1	24.5			
38	Mr. Chuc	*		*		12° 0.413	107° 30.580	674	0.3	12.23		11.10	7.2	NDU	Clear	5.40	26.0	24.3			

D3-15



Table D3. 16 Data Sheet : Hydrogeological Investigation Result of Kien Duc Town (D-6)

Investigation Date : from May 09 to May 10, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
39	Mr. Du	*		*		12° 0.472	107° 30.484	675		0.3	13.41		10.80	3.0	NDU	Clear	5.19	15.80	24.9		
40	Mr. Tha	*		*		12° 0.468	107° 30.389	678		0.8	3.95		13.35	0.0	NDU	Clear	5.38	19.00	25.8		
41	Mr. Nam	*		*		12° 0.074	107° 30.889	686		1.0	24.75		16.55	9.8	NDU	Slight Turbid	4.83	14.63	24.5		
42	Mr. Khanh	*		*		11° 59.977	107° 30.800	692		0.2	30.35		28.58	27.0	NDU	Slight Turbid	5.69	34.1	24.2		
43	Mr. Nam	*		*		11° 59.868	107° 30.749	724		0.2	27.48		22.72	15.0	NDU	Clear	4.95	26.2	24.3		
44	Mr. Hiep	*		*		11° 59.789	107° 30.815	720		0.3	30.07		21.95	-	NDU	Clear	5.31	22.1	25.2		
45	Mr. Huong	*		*		11° 59.800	107° 30.923	715		0.2	32.25		27.27	22.2	NDU	Clear	5.28	50.5	24.6		
46	Mr. Tuan	*		*		11° 59.861	107° 31.076	710		0.3	27.50		26.90	-	NDU	Clear	5.77	38.5	25.6		
47	Mr. Bang	*		*		11° 59.940	107° 31.166	695		0.3	22.95		17.35	15.0	NDU	Slight Turbid	4.95	14.50	24.7		

Table D3. 17 Data Sheet : Hydrogeological Investigation Result of Krong Kmar Town (D-7)

Investigation Date : from May 07 to May 08, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
1	Drilling Well - 1		*			12° 30.691	108° 20.553	435		-	30.00	25.00	-	-	-	Clear	6.32	156.5	25.6	D-7-2	*
2	Drilling Well - 2		*			12° 30.601	108° 20.673	436		-	26.50	25.00	-	-	-	Clear	6.14	222	26.2	D-7-1	*
3	Mr. Son	*				12° 30.607	108° 20.638	436		Full	7.84		6.45	4.0	NDU	Slight Turbid	5.76	408	25.5		
4	Mr. Thong	*		*		12° 30.695	108° 20.574	435		Full	6.87		5.50	-	-	-	-	-	-		
5	Mr. Hao	*		*		12° 30.688	108° 20.541	435		Full	6.54		5.65	0.5	NDU	Clear	5.46	840	24.7		
6	Mr. Lu	*				12° 30.737	108° 20.498	435		Full	5.85		5.15	0.5	NDU	Clear	5.01	198.2	25.2		
7	Mr. My	*		*		12° 30.783	108° 20.408	434		Full	3.48		2.60	0.5	NDU	Clear	5.70	101.7	29.6		
8	Mr. Hai	*		*		12° 30.881	108° 20.352	434		Full	7.67		5.00	2.0	NDU	Clear	5.92	377	24.7		
9	Mr. Dung	*		*		12° 31.018	108° 20.319	433		Full	4.48		3.82	3.0	NDU	Clear	6.00	105.9	30.6		
10	Mr. Cuc	*				12° 31.133	108° 20.315	432		0.3	2.69		2.43	0.0	DU	Slight Turbid	6.02	105.9	25.0		
11	Mr. Dien	*		*		12° 31.261	108° 20.282	432		Full	4.45		2.75	2.7	DU	Slight Turbid	6.99	430	25.5		
12	Mr. Phung	*		*		12° 30.792	108° 20.464	435		Full	5.73		4.88	0.0	NDU	Clear	6.13	215	25.7	D-7-3	*
13	Mr. Nhanh	*		*	*	12° 30.702	108° 20.432	435		Full	3.33		2.84	1.0	NDU	Clear	5.64	73.3	26.0		
14	Mr. Ry	*		*		12° 30.592	108° 20.372	435		Full	3.50		2.90	0.0	NDU	Clear	6.36	277	26.2	D-7-4	*
15	Mr. Duong	*		*		12° 30.498	108° 20.318	435		Full	3.90		2.30	1.0	NDU	Clear	5.83	572	26.1		
16	Mr. Dat	*		*		12° 30.436	108° 20.221	440		Full	6.66		5.41	2.0	NDU	Clear	5.11	49.2	25.5		
17	Mr. Tho	*		*		12° 30.361	108° 20.161	445		Full	3.40		3.20	2.2	NDU	Clear	5.09	90.6	25.6		
18	Mr. Hoang	*		*		12° 30.311	108° 20.034	453		Full	10.00		8.40	1.5	NDU	Clear	5.28	39.9	24.8		
19	Mr. Thanh	*		*		12° 30.282	108° 19.939	455		Full	11.00		9.80	4.0	NDU	Clear	5.65	19.4	24.4	D-7-5	*
20	Mr. Anh	*		*		12° 30.256	108° 19.771	458		Full	12.00		11.15	4.0	NDU	Slight Turbid	5.11	63.2	26.9		
21	Mr. Chat	*				12° 30.193	108° 19.655	456		0.3	8.40		7.10	-	NDU	Clear	5.04	141.6	25.7		
22	Mr. Thuan	*		*		12° 30.388	108° 19.889	452		0.3	9.40		9.20	2.4	NDU	Turbid	5.58	54.8	24.8		
23	Mr. Men	*		*		12° 30.513	108° 19.892	443		0.3	5.03		4.22	2.0	NDU	Slight Turbid	5.40	47.9	25.8		
24	Mr. Son	*				12° 30.614	108° 19.876	436		1.5	2.60		2.00	1.0	NDU	Slight Turbid	5.81	159.6	27.3		
25	Mr. Du	*				12° 30.557	108° 19.876	438		Full	4.00		1.80	0.5	NDU	Turbid	5.97	121.5	27.8		
26	Mr. Thang	*				12° 30.611	108° 20.055	437		0.0	1.90		1.20	0.5	NDU	Turbid	6.01	121.5	26.3		
27	Mr. Hao	*		*		12° 30.719	108° 20.084	440		0.3	4.10		3.50	3.0	NDU	Turbid	5.51	118.1	25.4		
28	Mr. Son	*		*		12° 30.788	108° 20.185	440		full	2.80		2.30	0.8	NDU	Slight Turbid	5.86	80.0	26.7		
29	Mr. Ly	*				12° 30.865	108° 20.235	440		0.2	7.35		7.25	1.0	NDU	Clear	5.77	143.7	26.0		
30	Mr. Duc	*		*		12° 30.874	108° 20.109	441		Full	7.60		7.40	1.0	NDU	Clear	5.11	32.9	26.1		
31	Mr. Hung	*		*		12° 30.427	108° 20.045	443		0.3	5.80		4.88	2.9	NDU	Clear	4.96	89.6	26.4		
32	Mr. Thanh	*		*		12° 30.181	108° 20.015	457		Full	13.95		12.00	8.0	NDU	Clear	4.93	21.6	24.2		
33	Mr. Thanh	*		*		12° 30.061	108° 20.079	458		0.5	12.31		11.59	6.3	NDU	Clear	4.95	17.14	24.1		
34	Mr. Tuan	*		*		12° 29.909	108° 20.122	458		0.5	10.88		10.00	5.0	NDU	Clear	4.84	32.6	24.1		
35	Ms. Nu	*				12° 29.809	108° 20.114	459		0.3	7.87		6.83	5.0	NDU	Clear	4.71	38.9	23.1		
36	Mr. Hung	*				12° 29.695	108° 20.119	460		0.2	6.22		5.73	4.0	NDU	Clear	4.91	23.3	23.5		
37	Ms. Vinh	*		*		12° 29.587	108° 20.014	461		-	4.00		3.50	2.0	NDU	Clear	5.04	12.90	25.8		
38	Mr. Dang	*		*		12° 29.490	108° 19.965	462		0.3	4.58		4.13	0.5	DU	Slight Turbid	4.96	21.3	24.9		

Table D3. 18 Data Sheet : Hydrogeological Investigation Result of Krong Kmar Town (D-7)

Investigation Date : from May 07 to May 08, 2001

No.	Owner's Name	Well Type				Latitude	Longitude	Elevation	Flow Quant. l/min	Lining GL-(m)	Well Depth GL-(m)	Pump Depth GL-(m)	G.W.L. GL-(m)	Rainy Season	Dry Season	Water Color	pH	Electrical Conductivity μ S/cm	Temperature (°C)	Water Quality Test	
		Dug W.	Dri. W.	P.U.	H. P.															A	B
39	Mr. Sau	*		*		12° 29.243	108° 20.119	466		0.2	5.45		5.10	5.0	NDU	Clear	4.93	39.6	24.7		
40	Krong Kmar River					12° 29.071	108° 20.440	480		-	-		-	-	NDU	ear -Slight Tur	7.05	16.85	23.2		
41	Mr. Cuu	*				12° 29.608	108° 20.304	462		0.2	5.27		4.92	1.5	NDU	Slight Turbid	5.12	24.5	25.0		
42	Mr. Loc	*				12° 29.773	108° 20.218	460		0.3	10.60		9.61	6.6	NDU	Clear	4.93	19.77	25.2		
43	Ms. Lan	*				12° 30.627	108° 20.436	435		0.2	3.25		2.75	0.5	DU	Slight Turbid	5.78	20.5	25.7		
44	Mr. Hiep	*				12° 30.566	108° 20.519	434		Full	7.03		5.91	1.5	NDU	Clear	5.30	126.1	24.2		
45	Mr. Tryen	*				12° 30.535	108° 20.580	434		Full	8.48		6.90	2.5	NDU	Clear	5.62	178.8	24.8		
46	TPC's Well	*				12° 30.818	108° 20.424	435		-	4.35		3.12	-	NDU	Clear	5.58	11.05	26.0		No.1
47	Unknown Name	*				12° 29.198	108° 20.117	467		-	4.27		2.07	-	NDU	Clear	4.96	37.3	24.5		No.2
48	Unknown Name	*				12° 32.379	108° 19.505	460		-	8.08		6.65	-	NDU	Slight Turbid	5.16	57.2	25.2		No.3
49	JICA D-7		*			12° 30.535	108° 20.427	435		-	39.00		-	-	-	Clear	6.54	186.0	28.1	D-7-0	*