

# APPENDIX B

CWRM  
Island of Hawaii  
Well Database  
(as of October 2005)



**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd		
<b>HAWI AQUIFER SYSTEM [80101]</b>																			
	80101	7345-01	Aamakoa Gu TH 2	Kohala Sugar	ROT	3	171	255	UNU	1964	73	6.8	25	37					
	80101	7549-02	Alaalae Gu TH-7	Kohala Sugar	ROT	3	362	84	UNU	1965	73	5.2	25	25					
	80101	7549-01	Alaalae Shaft	Kohala Sugar	DUG		75		UNU	1900	46								
	80101	7145-05	Amau Tunnel	Kohala Sugar	TUN		1000		IRR	1939	46								
	80101	7247-01	Bond 1 Tunnel	Hawaii Dws	TUN		978		MUN	1937	46			5-3-005:028	700				
	80101	7247-02	Bond 2 Tunnel	Kohala Sugar	TUN		1450		MUN	1934	46								
	80101	7148-01	Cowpen 1 Tunnel	Kohala Sugar	TUN		1700		IRR		46								
	80101	7148-02	Cowpen 2 Tunnel	Kohala Sugar	TUN		1740		IRR		46								
	80101	7148-03	Cowpen 3 Tunnel	Kohala Sugar	TUN		1740		IRR		46								
	80101	7248-01	Dr Bond Tunnel	Kohala Sugar	TUN		968		IRR		74								
	80101	7448-03	Gusman Gu TH 5	Kohala Sugar	ROT	3	306	402	UNU	1964	73	6.2	12	33					
	80101	7347-02	Halaula	Kohala Sugar	PER	16	342	505	IND	1948	72	7.8	26	43		1200			
	80101	7347-05	Halaula B	U S G S	ROT	10	628	730	OBS	1989	89	11.4	19			5-3-004:			
	80101	7347-03	Halaula Makai E	U S G S	ROT	8	341	405	OBS	1989	89	9.8				5-3-004:005			
	80101	7347-04	Halaula Mauka B	U S G S	ROT	8	630	730	OBS	1989	89	11.4				5-3-004:			
	80101	7346-01	Halawa Gu TH 1	Kohala Sugar	ROT	3	170	267	UNU	1964	73	7.4	54	54		5-3-008:026			
	80101	7246-01	Halawa Tunnel	Kohala Sugar	TUN		1000		IRR	1938	46								
	80101	7248-03	Hapahapai Tunnel	Hawaii Dws	TUN		1350		MUN	1935	46			5-3-001:009	35				
	80101	7445-01	Hapuu Bay D	U S G S	ROT	8	109	460	OBS	1989	89	7.2				5-3-007:010			
	80101	7449-01	Hawi	Kohala Sugar	TUN		500	84	UNU	1898									
	80101	7449-02	Hawi 1	Hawaii Dws	PER	12	542	591	MUN	1975				5-5-002:089	400	0.29	0.64		
	80101	7349-01	Hawi 2	Hawaii Dws	ROT	18	791	847	MUN	1993	97	7.16	20			5-5-016:018	700	0.25	0.65
	80101	7549-03	Hawi Makai I	U S G S	ROT	10	299	436	OBS	1989	89	2.2							
	80101	7449-03	Hawi Obs H	U S G S	ROT	8	541	585	OBS	1989	89	7	21			5-5-002:023			
	80101	7650-01	Hoea Shaft	Kohala Sugar	SHF		52	61	UNU	1900	74	2		875					
	80101	7448-07	Honopueo F	U S G S	ROT	10	415	429	OBS	1989	89	8	36			5-4-004:			
	80101	7347-01	Iole-Bond Tunnel	Kohala Sugar	TUN		650		MUN		46								
	80101	7147-05	J D Bond Tunnel	Kohala Sugar	TUN		1500		IRR	1935	46								
	80101	7248-02	Kaala Tunnel	Kohala Sugar	TUN		1025		IRR	1934	46								
	80101	7147-01	Kay Tunnel	Kohala Sugar	TUN		1700		IRR		46								
	80101	7147-07	Koelling Tunnel	Kohala Sugar	TUN		1600		MUN	1937	46								
	80101	7448-06	Kohala Obs F	U S G S	ROT	8	412	440	OBS	1989	89	8.21				5-4-009:001			
	80101	7446-01	Kohala Shaft	Kohala Sugar	SHF		123	135	IRR	1900				3441		6940			
	80101	7348-01	Kohala Sugar	Kohala Sugar	TUN		900		IRR										
	80101	7047-01	Lindsay Tunnel	Hawaii Dws	TUN		2150		MUN	1933	72					5-3-002:001			
	80101	7345-05	Makapala	Hawaii Dws	PER	10	399	547	UNU	2002	02	8.73	40			5-2-005:010			
	80101	7345-03	Makapala A	U S G S	ROT	12	396	495	OBS	1989	89	10.3				5-2-005:			
	80101	7345-04	Makapala Obs A	U S G S	ROT	8	395	440	OBS	1989	89	10.2				5-2-005:010			
	80101	7245-01	Maulua Tunnel	Hawaii Dws	TUN		750		MUN	1939	46					5-2-005:001			
	80101	7147-02	Mcgill 1 Tunnel	Kohala Sugar	TUN		2000		SLD		46								
	80101	7147-04	Mcgill 2 Tunnel	Kohala Sugar	TUN		2060		IRR	1932	46								
	80101	7147-03	Mcgill 3 Tunnel	Kohala Sugar	TUN		2040		IRR	1932	46								
	80101	7145-02	Murphy Tunnel	Hawaii Dws	TUN		1250		MUN		46			5-2-005:001	37				

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80101	7148-05	Olding Tunnel	Kohala Sugar	TUN		1600		IRR		46							
80101	7145-04	Paa Tunnel	Kohala Sugar	TUN		1200		IRR	1939	46							
80101	7248-04	Pahei Tunnel	Kohala Sugar	TUN		1000		IRR	1939	46							
80101	7145-03	Puu Mini Tunnel	Kohala Sugar	TUN		1200		MUN	1937	46							
80101	7448-01	Union Mill	Kohala Sugar	ROT	4	420	425	UNU	1898	68							
80101	7448-04	Union Mill 1	Kohala Sugar	PER	16	311	412	IND	1965	72	7	47	73		1850		
80101	7448-05	Union Mill 2	Kohala Sugar	PER	16	420	522	IND	1969	72			129		1850		
80101	7451-02	Upolu J-B	U S G S	ROT	10	567	632	OBS	1989	89	4.2			5-5-006:003			
80101	7451-01	Upolu Obs J-A	U S G S	ROT	8	567	632	OBS	1989	89	4.2			5-5-006:003			
80101	7552-01	Upolu TH 6	Kohala Sugar	ROT	3	293	360	UNU	1964	73	2.8	349	1550				
80101	7652-01	Waikane Shaft	Kohala Sugar	SHF		33	42	IRR	1920	66					2080		
80101	7345-02	Waikani Gu TH 3	Kohala Sugar	ROT	3	161	265	UNU	1964	73		25	29				
80101	7145-01	Waikani Tunnel	Kohala Sugar	TUN		1500		MUN		46							
80101	7146-01	Waipunalau Tunnel	Kohala Sugar	TUN		1600		MUN	1934	46							
80101	7148-04	Watt 1 Tunnel	Hawaii Dws	TUN		1750		MUN		72			14	5-3-001:008			
80101	7147-06	Watt 2 Tunnel	Kohala Sugar	TUN		1700		IRR	1936	46							
<b>Total - Hawi Aquifer System [80101]</b>																<b>0.54</b>	<b>1.29</b>
<b>WAIMANU AQUIFER SYSTEM [80102]</b>																	
80102	6843-04	Honokane TH 2	Kohala Ditch	ROT	2	1031	90		1964								
80102	6843-06	Honokane 1	State Doa														
80102	6843-07	Honokane 3	State Doa						1976								
80102	6843-01	Honokane Nui Tun	Kohala Sugar	TUN		1535		IRR	1932								
80102	6843-02	Honokane Nui Tun	Kohala Sugar	TUN		1229		IRR	1932								
80102	6843-03	Honokane Nui Tun	Kohala Sugar	TUN		950		IRR	1932								
80102	6844-01	Honokane TH 1	Kohala Ditch	ROT	2	965	150	UNU	1964	73							
80102	6843-05	Honokane TH 3	Kohala Ditch	ROT	2	1050	300	UNU	1964	73							
80102	6743-02	Honokane TH 4	Kohala Ditch	ROT	2	1196	150	UNU	1964	73							
80102	6743-01	Honokane Tunnel	Kohala Sugar	TUN		1900		IRR	1941	72							
80102	6340-05	Kohala TH 1	State Land	ROT	6		103	LOS	1987								
80102	6440-02	Kohala TH 3	State Land	ROT	2		160	LOS	1987								
80102	6440-01	Kohala TH 4	State Land	ROT			130	LOS	1987								
80102	6440-03	Kohala TH 5	State Land	ROT	2		105	LOS	1987								
80102	6734-01	Kukuihaele A	Hawaii Dws					MUN	1966				4-8-007:030	100	0.00	0.00	
80102	6536-01	Lalakea Gulch Tu	Kohala Sugar	TUN		2200		UNU		46							
80102	7144-01	Opaepilau 1 Tunn	Kohala Sugar	TUN		1100		OTH	1934	46							
80102	7144-02	Opaepilau 2 Tun	Kohala Sugar	TUN		1182		IRR	1934	46							
80102	7244-01	Pae Tunnel	Kohala Sugar	TUN		720		IRR	1937	46							
80102	6745-01	Puu Laalaa TH	Kahua Ranch		14	3950	151	UNU	1962	72			5-9-002:001				
80102	6337-01	Puukapu	State Land	ROT	16	3023	1744	MUN	1987	96	1740	9		6-3-001:004	1000		
80102	6337-02	Puukapu Shallow	State Land	PER	12	3020	355	UNU	1993	93				6-3-001:004			
<b>Total - Waimanu Aquifer System [80102]</b>																<b>0.00</b>	<b>0.00</b>
<b>MAHUKONA AQUIFER SYSTEM [80103]</b>																	

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80103	6249-01	Akau 1	Akau H	ROT	4	25	30	IRR	1981	81				6-1-002:061	27			
80103	6752-01	Heffner 1	Heffner C	ROT	6	162	169	UNU	1999	99	1.5	2500		5-8-001:009	0			
80103	6550-01	Kahua	Max Sherrod	PER	8	675	700	IRR	1986	86	3.7	260		5-9-008:006	21			
80103	6853-01	Kaihohena 1	Kaihohena LLC	ROT	8	405	415	IRR	2000	00	0.85	3000		5-8-001:016	60			
80103	6448-01	Kawaihae	State Dowrm	ROT		1341	1465	UNU	1990	90	1	2500		6-1-001:003				
80103	6250-02	Kawaihae	HELCO		4	49	180	SLD	1974	98				6-1-006:003				
80103	6147-01	Kawaihae 3	State Dowald	ROT	8	982	1046	UNU	1963	73	4.6	229						
80103	6250-01	Kawaihae TH	HELCO	ROT	1	78	500	SLD	1974	98								
80103	6549-03	Kawaihae-DHHL	State DHHL	ROT	18	1651	1700	UNU	1992	92	6.3			6-1-001:003				
80103	6451-02	Kawamata 1	Kawamata N	PER	6	238	245	IRR	1987	87	2.6	1235	1245	5-9-005:015	40			
80103	6451-03	Kawamata 2	Kawamata N	PER	6	395	405	IRR	1987	87	6.7	700	700	5-9-006:008	45			
80103	6340-01	Kohakohau TH 1	State Dowald	ROT	3	3910	100	OTH	1964	73								
80103	6340-02	Kohakohau TH 2	State Dowald	ROT	3	3850	100	OTH	1964	73								
80103	6340-03	Kohakohau TH 3	State Dowald	ROT	3	3770	100		1964									
80103	6341-02	Kohakohau TH 4	State Dowald	ROT	3	3790	100	OTH	1964	73								
80103	6341-03	Kohakohau TH 5	State Dowald	ROT	3	3850	100	OTH	1964	73								
80103	6450-01	Kohala Estates	Place V A	PER	4	395	412	UNU	1980	80		1320		5-9-006:009				
80103	6549-01	Kohala Ranch 1	Kohala J V	ROT	12	1460	1550	MUN	1979	86	7.25	25	65		325	0.32	0.43	
80103	6549-02	Kohala Ranch 2	Kohala J V	ROT	12	1449	1560	MUN	1982	86			70	5-9-001:010	700	0.36	0.41	
80103	6649-01	Kohala Ranch 3	Kohala J V	ROT	18	1840	1925	UNU	1989		136			5-9-010:044				
80103	6649-02	Kohala Ranch 4	Kohala J V	ROT	18	1746	1830	UNU	1993		17.7			5-9-013:085				
80103	6340-04	Kohala TH 2	State Land	ROT	6		105	LOS	1987									
80103	7352-01	Kukuipahu A	Kukuipahu Ranch	ROT	6	800	830	UNU	2003	03	2.95	275		5-6-001:019	0			
80103	6148-03	M Kea Bch	M Kea Bch Htl					OTH										
80103	7154-01	Mahukona	Hawaii R R Co	PER		25	800	OTH	1881	46								
80103	7352-02	Miller 1	Miller L	ROT	8	475	493	DOM	2004	05	2.57	340		5-6-001:111	150			
80103	6953-02	Paoo-Gordy	Gordy D	PER	6	148	155	UNU	2001	01	1.53			5-7-001:020	0			
80103	6953-01	Paoo-Reardon	Reardon M	PER	6	37	40	IRR	1986	86	0.1	5600		5-7-001:005	25			
80103	6239-02	Parker Ranch 1	R Smart Trust	ROT	14	2822	1679	UNU	1994	94	1264	7		6-4-001:050				
80103	6341-01	Waiaka Gulch TH	State Dowald	ROT	3	3613	924	OTH	1964	73								
80103	6141-01	Waiakaa Tank	U S G S	ROT	4	2506	1507	OBS	1999	99	1243			6-6-001:070				
80103	6451-01	Waiakailio TH	Kahua Ranch	ROT	2	60	90	UNU	1963	72								
80103	6450-04	Waika-Fischer	Fischer P & S	PER	6	653	670	IRR	1996	96	2	230		5-9-008:019	16			
80103	6450-05	Waika-Keanaholu	Place Virgil A	PER	8	370	383	IRR	1996	96	2.81	960		5-9-005:005	48			
80103	6238-01	Waimea	U S Government	PER	8	2855	890	UNU	1944	44								
80103	6240-02	Waimea Exploratory	State Dlnr	ROT	16	2969	2000	UNU	2000	00	1263	6		6-5-001:003				
80103	6240-01	Waimea Obs.	U S G S	ROT	4	2970	2016	OBS	1991	91				6-5-001:003				
80103	6450-02	Walsh Lot 39	Walsh B T	PER	12	801	835	IRR	1984					5-9-007:004	80			
<b>Total - Mahukona Aquifer System [80103]</b>																	<b>0.68</b>	<b>0.84</b>
<b>HONOKAA AQUIFER SYSTEM [80201]</b>																		
80201	6331-01	Ahualoa Plant	U S G S	ROT	12		1725	SLD	2004	04				4-6-011:038	0			
80201	6528-02	Enserch 1	Hamakua Energy	ROT	14	450	486	IND	1998	00	3.46	145		4-5-002:023	700	0.42	0.78	
80201	6528-03	Enserch 2	Hamakua Energy	ROT	12	451	491	IND	2000	01	2.71	85		4-5-020:056	700	0.48	0.90	

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	80201	6528-01 Haina	Hawaii Dws	ROT	12	855	909	MUN	1979	83	4.51	57		4-5-002:048	400	0.37	0.41
	80201	6428-01 Honokaa A	State Dowald		14		1452	OBS	1993	96	12			4-5-019:020	0		
	80201	6428-02 Honokaa B	State Land Division	ROT	14	1335	1800	UNU	2003	03	42	100		4-5-019:020	0	0.00	0.00
	80201	6734-03 Kukuihaele	Hawaii Dws	ROT	12	955	1005	MUN	2002	02	5.78	450		4-8-008:026	0	0.00	0.00
	80201	6235-01 Waimea C C	Otaka Inc	ROT	14	2814	1415	IRR	1991	92	1657			4-7-007:007	500	0.03	0.05
<b>Total - Honokaa Aquifer System [80201]</b>																	
<b>1.30 2.14</b>																	
<b>PAAUILO AQUIFER SYSTEM [80202]</b>																	
	80202	6424-01 Hamakua 2	Hamakua Sugar					UNU						4-4-002:004			
	80202	5917-01 Humuula Tunnel	Laupahoehoe Su	TUN		1600		UNU									
	80202	6016-01 Island Dairy	Island Dairy Inc	ROT	8	538	600	UNU	2001	01	10.07	60		3-9-001:002	0		
	80202	5816-02 Kaawalii Gu Tun1	Laupahoehoe Su	TUN		2010		UNU									
	80202	5816-03 Kaawalii Gu Tun2	Laupahoehoe Su	TUN		2000		UNU									
	80202	5816-01 Kaawalii Tunnel	Laupahoehoe Su	TUN		2000		UNU		46							
	80202	6121-02 Kainehe Str Tun	Laupahoehoe Su	TUN		1200		UNU									
	80202	6122-01 Kanui Gulch Tun	Laupahoehoe Su	TUN		1350		UNU									
	80202	6017-01 Kaula Gulch Tun1	Laupahoehoe Su	TUN		1200		UNU									
	80202	6017-02 Kaula Gulch Tun2	Laupahoehoe Su	TUN		1200		UNU									
	80202	6017-03 Kaula Gulch Tun3	Laupahoehoe Su	TUN		1200		UNU									
	80202	6017-04 Kaula Gulch Tun4	Laupahoehoe Su	TUN		640		UNU									
	80202	6121-01 Kawaiili Str Tun	Laupahoehoe Su	TUN		1500		UNU									
	80202	6220-01 Kukaiaiu	Laupahoehoe Su		12	245	265	UNU									
	80202	6222-01 Manienie Gu Tun	Laupahoehoe Su	TUN		700		UNU				832					
	80202	6017-05 Ookala	Hawaii Dws	ROT	12	641	700	MUN	1995	96	7.67	10		3-9-001:034	250	0.03	0.06
	80202	6117-01 Ookala Shaft	Laupahoehoe Su	SHF		300	600	IND	1937	72	6	10	279		2500		
	80202	6322-01 Paauiilo	Laupahoehoe Su	PER	12	175		UNU	1894	46							
	80202	6122-02 Paauiilo Gu Tun	Laupahoehoe Su	TUN		1540		UNU									
	80202	6122-03 Paauiilo Gu Tun	Laupahoehoe Su	TUN		1580		UNU									
	80202	6321-01 Paauiilo Mill	Laupahoehoe Su	PER	12	215	217	UNU	1894								
	80202	6321-02 Paauiilo Shaft	Laupahoehoe Su	SHF		273	626	IRR	1944	02	3	60	320	4-3-001:002	700		
	80202	6222-02 Paauiilo Str Tun	Laupahoehoe Su	TUN		1060		UNU									
	80202	6222-03 Paauiilo Str Tun	Laupahoehoe Su	TUN		700		UNU									
	80202	6223-01 Paauiilo-DWS	Hawaii Dws	ROT	12	1054	1148	MUN	1985	94	11.6			4-3-007:006	300	0.09	0.15
	80202	6119-01 Puumaile Str Tun	Laupahoehoe Su	TUN		800		UNU									
	80202	6120-01 Puumaile Str Tun	Laupahoehoe Su	TUN		1075		UNU									
	80202	6120-02 Puumaile Str Tun	Laupahoehoe Su	TUN		1075		UNU									
	80202	6120-03 Puumaile Str Tun	Laupahoehoe Su	TUN		850		UNU									
	80202	6323-01 Slaughter House	Hamakua Sugar	PER	14	509	575	IND	1987					4-3-005:002	950		
<b>Total - Paauiilo Aquifer System [80202]</b>																	
<b>0.12 0.21</b>																	
<b>HAKALAU AQUIFER SYSTEM [80203]</b>																	
	80203	5206-02 Buyers	Buyers J W A	ROT	5	89	105	DOM	1997	03	39.38	16		2-8-015:001	15		
	80203	5005-03 Cooling 1	Hilo Cst Proc	PER	26	77	381	IND	1971	72	8	110	9000	2-8-007:001	5200		
	80203	5005-04 Cooling 2	Hilo Cst Proc	PER	26	74	375	IND	1972	72	6.83	372	9000	2-8-007:001	5200		

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	80203	5005-05	Cooling 3	Hilo Cst Proc	PER	26	76	380	IND	1972	72	6.8	285	9000	2-8-007:001	5200		
	80203	5307-01	Hakalau School	Hawaii Dws	PER	10	235	317	MUN	1976		11.9	10		2-9-002:005	50	0.00	0.00
	80203		Honomu	Hawaii Dws					UNU	2005	05				2-8-013:055			
	80203	5716-01	Kapili Str Tun	Laupahoehoe Su	TUN		2075		UNU		46							
	80203	5206-03	Kiko 1	Parisi C	PER	6		110	UNU	2004	04				2-8-013:010	0	0.00	0.00
	80203	5814-01	Laupahoehoe 1	Hawaii Dws	ROT	10	659	700	MUN	1968	72	5.93	115	128	3-6-003:035	100	0.01	0.11
	80203	5814-02	Laupahoehoe 2	Hawaii DWS	ROT	12	665	711	MUN	1979	83				3-6-003:036	300	0.11	0.15
	80203	5005-02	Makai Dom	Hilo Cst Proc	PER	18	247	309	DOM	1947	72	11.03	18	22	2-8-007:001	250		
	80203	5005-01	Mauka Dom	Hilo Cst Proc	PER	13	304	333	DOM	1946		11.43	16		2-8-007:001	500		
	80203	5307-02	Wailea-Hamakua C	Santos R J	ROT	4	101	130		1981		80			2-9-003:001			
	80203	5307-03	Wailea-Mccully	Mccully J W	ROT	5	163	182	IRR	1994	94	72.5			2-9-003:013	25		
<b>Total - Hakalau Aquifer System [80203]</b>																<b>0.12</b>	<b>0.26</b>	
<b>ONOMEA AQUIFER SYSTEM [80204]</b>																		
	80204	4606-01	Honolii Str Tun	M Kea Sugar Co	TUN		575											
	80204	4708-03	Kaieie Mauka	Hawaii Dws	ROT	14	1130	1300	UNU	2002	02	27	3	120	2-7-002:003		0.00	0.00
	80204	4708-02	Kaieie Mauka	U S G S	ROT	4	1134	1030	OBS	1999	99				2-7-002:003			
	80204	4708-01	Kapue Stream Tun	Mauna Kea Agri	TUN		1275		UNU									
	80204	4906-01	Kawainui Str Tun	Mauna Kea Agri	TUN		600		OTH		89				2-7-007:001			
	80204	4806-01	Kim 1	Kim Y S	ROT	6	402	420	UNU	2001	01	19.8	20		2-7-009:017	0		
	80204	5006-01	Kulaimano	Hawaii Dws	PER	12	378	492	MUN	1976		12.29	7		2-8-007:076	300	0.18	0.21
	80204	4905-02	Lutkenhouse	Lutkenhouse D	PER	5	152	162	IRR	1993	93	26.2	20		2-7-010:001	20		
	80204	4805-01	Onomea 1	Rogers H	ROT	6	319	350	DOM	1998	98	21.4	15		2-7-010:003	16		
	80204	4905-01	Onomea-Doty	Doty J	PER	8	256	308	DOM	1990		10			2-7-010:027	100		
	80204	4607-01	Pahoehoe Str Tun	Mauna Kea Agri	TUN		900		UNU									
	80204	4706-01	Papaikou	Hawaii Dws	PER	12	369	425	MUN	1972		21	4	15	2-7-037:044	375	0.20	0.23
<b>Total - Onomea Aquifer System [80204]</b>																<b>0.38</b>	<b>0.44</b>	
<b>WAIMEA AQUIFER SYSTEM [80301]</b>																		
	80301	6049-06	Arlin Trust	Arlin Trust	PER	8	92	111	IRR	1996	02	2.32	830		6-2-002:024	40	0.01	0.02
	80301	5949-01	Camp Drewes	U S MC	DUG		90		UNU	1944				560				
	80301	6047-04	Hapuna 3	Mauna Kea Properties	ROT	12	720	765	IRR	2003	04	4.94	200		6-2-001:051	450		
	80301	5948-01	Hapuna Bch Park	State Parks	ROT	10	244	268	IRR	1970	73	2.6		430				
	80301	6049-07	Hoffee	Hoffee J	ROT	8	54	157	OTH	2000	00				6-2-014:001	450		
	80301	6148-01	Kawaihae 1	Hawaii Dws	PER	10	583	601	MUN	1961	74	4.4	302	385	6-2-001:061	150		
	80301	6048-01	Kawaihae 2	Mauna Kea Prop	PER	10	392	430	UNU	1961	73	3.3	504		6-2-013:014			
	80301	6148-02	Kawaihae 4	Hawaii Dws	ROT	10	583	601	MUN	1969	72	4.4	330	460	6-2-001:061	450		
	80301	5946-01	Lalamilo A	Hawaii Dws	ROT	12	1172	1277	MUN	1977		8.2	78		6-6-001:068	700	0.04	0.21
	80301	5946-02	Lalamilo B	Hawaii Dws	ROT	16	1088	1164	MUN	1980	81	6.6	32		6-6-001:066	1000	0.69	1.25
	80301	5946-03	Lalamilo C	Hawaii Dws	ROT	16	1087	1158	MUN	1980	81	7.6	55		6-6-001:067	1000	0.49	0.78
	80301	5946-04	Lalamilo D	Hawaii DWS	PER	16	1085	1144	MUN	1985	89	7	60		6-6-001:069	1000	0.00	0.00
	80301	6049-04	M Kea Bch	M Kea Bch Htl	PER	18	82	93	OTH	1971	72							
	80301	6048-02	M Kea Bch Htl 1	Mauna Kea Prop	ROT	10	340	376	IRR	1963	72	4.5		750				
	80301	6049-01	M Kea Bch Htl 2	Mauna Kea Prop	PER	12	188	218	IRR	1963	72	2		700	6-2-001:056			

**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Well Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
	80301	6049-02	M Kea Bch Htl 3	M Kea Bch Htl	PER	14	40	76	IND	1960	72		2800				
	80301	6049-03	M Kea Bch Htl 4	M Kea Bch Htl	ROT				IND	1972	72		5250				
	80301	5849-02	Mauna Lani 8	Mauna Lani Resort	ROT	12	147	165	IRR	1999	02	2.85		6-8-001:052	550		
	80301	5849-03	Mauna Lani 9	Mauna Lani Resort	ROT	12	143	161	IRR	1999	02			6-8-001:052	450		
	80301	5749-01	North	Mauna Lani Res	ROT	12	93	100	IRR	1991	92	2	600	6-8-001:052	450	0.62	1.49
	80301	6046-01	Ouli 1	Nansay Haw Inc	ROT	14	1302	1400	UNU	1989	89	13.6		6-2-001:75			
	80301	6049-05	Ouli A	Mauna Kea Prop	PER	14	300	340	UNU	1979		3.2		6-2-001:019			
	80301	6048-03	Ouli B	Mauna Kea Prop	PER	14	315	347	UNU	1980		2.9		6-2-001:078			
	80301	6047-01	Ouli C	Mauna Kea Prop	ROT	12	724	764	IRR	1990	93	4.6		6-2-001:051	450		
	80301	6047-02	Ouli D	Mauna Kea Prop	ROT	12	706	758	IRR	1991	92	4.3		6-2-001:051	450		
	80301	5745-02	Parker 4	Waikoloa Water	ROT	12	1203	1231	MUN	1969	73	16	30	6-8-002:019	800	0.50	0.74
	80301	5745-01	Parker 5	Waikoloa Water	ROT	12	1207	1242	MUN	1969	73	16	30	6-8-002:019	800	0.77	1.22
	80301	4534-01	Pohakuloa TH	State Dowald	ROT	3	6000	350	UNU	1969	72						
	80301	5849-01	Puako 3	Parker Ranch	DUG	66	27		IRR		64						
	80301	5239-01	Waikii 1	Waikii Ranch	ROT	13	4260	4350	MUN	1983	87	1509	18	6-7-001:003	100	0.03	0.05
	80301	5239-02	Waikii 2	Waikii Ranch	ROT	6	4260	3300	MUN	1988	88	1280		6-7-001:003	100	0.01	0.04
	80301	5745-03	Waikoloa 1	Waikoloa Water	PER	16	1196	1330	MUN	1988	89	17	30	6-8-002:019	1400	0.86	2.07
	80301	5546-01	Waikoloa 2	Waikoloa Water	ROT	16	1193	1317	MUN	1989	91	8	70	6-8-002:017	1000	0.99	1.21
	80301	5546-02	Waikoloa 3	Waikoloa Water	ROT	16	1217	1285	MUN	1991	97	7.23	25	6-8-002:017	1000	1.38	1.65
	80301	5545-01	Waikoloa DW-6	West Hawaii Water Co.	ROT	16	1319	1390	UNU	2004	04	6.8	85	6-8-002:017	0		
	80301	5846-01	Waikoloa MLR 1	Mauna Lani Res	ROT	20	1147	1242	MUN	1992	99			6-8-001:046	1000	1.71	1.69
	80301	5846-02	Waikoloa MLR 2	Mauna Lani Res	ROT	20	1178	1275	MUN	1993	98	6.3		6-8-001:045	1000	1.52	1.69
<b>Total - Waimea Aquifer System [80301]</b>																<b>9.62</b>	<b>14.11</b>
<b>HILO AQUIFER SYSTEM [80401]</b>																	
	80401	4203-13	Glover Quarry A	Jas Glover Ltd	DUG	72	23	25	IND	1948	84		13		600		
	80401	4203-14	Glover Quarry B	Jas Glover Ltd	DUG	72	23	25	IND	1948	84		13		350		
	80401	4203-12	Helco Kan 6-4	HELCO	ROT	30	49	210	IND	1974	74	6		2-2-058:019	6250		
	80401	4203-05	Hill Unit 5A	HELCO		29	50	200	IND	1965	72		28	2-2-058:019	4500	14.90	19.45
	80401	4203-06	Hill Unit 5B	HELCO		29	50	200	IND	1965	72	6.5	24	2-2-058:019	4500		
	80401	4203-07	Hill Unit 5C	HELCO		29	50	585	IND	1965	72			2-2-058:019	4500		
	80401	4203-09	Hill Unit 6A	HELCO	ROT	32	55	210	IND	1974	74	6		2-2-058:019	6250		
	80401	4203-10	Hill Unit 6B	HELCO	ROT	32	55	210	IND	1973	74	6		2-2-058:019	6250	21.78	27.00
	80401	4203-11	Hill Unit 6C	HELCO	DUG	72	43	20	OTH	1974		6		2-2-058:019			
	80401	4202-01	Hilo Airport 1	HIARNG	PER	16	59	76	UNU	1944	50	4	186	2-1-012:029			
	80401	4202-02	Hilo Airport 2	HIARNG	PER		71	55	UNU	1944	50	5		2-1-012:131			
	80401	4203-08	Kanoiehua Disp	HELCO	DUG	192	39	33	OTH	1965	72						
	80401	4010-01	Kaumana	U S G S	ROT	4	1796	1397	OBS	1995	95	996.8		2-5-002:024			
	80401	4211-01	Olaa Flume Tun	Hawaii Dws	TUN		1960		MUN		73	1960		2-5-001:013	3000		
	80401	4306-01	Piihonua A	Hawaii Dws	PER	18	278	423	MUN	1973		42.1	2	2-3-026:009	2100	1.34	2.17
	80401	4306-02	Piihonua B	Hawaii Dws	PER	18	278	445	MUN	1987		42.3	2	2-3-026:009	2100	2.01	2.93
	80401	4208-01	Piihonua C	Hawaii Dws	PER	20	975	1032	MUN	1995	98	263.9	2	2-5-009:003	2100	1.21	1.42
	80401	4206-01	Ponohawai 3	Isf Develop Co	PER	12	380	465	UNU	1993	93	243		2-3-044:009			
	80401	4110-01	Saddle Road A	Hawaii Dws	ROT	20	1910	1400	MUN	1998	02	950.6	2	2-5-041:047	700	0.39	0.44



**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd	
	80401	4304-01	Shipman 1A, 1B		54	12	20	IND	1943	72				2-1-001:024	saltwater			
	80401	4304-02	Shipman 2	DUG	84	10	26	UNU	1957	83				2-1-001:024				
	80401	4304-03	Shipman 3	DUG		10	20	IND	1971	72				2-1-001:024	saltwater	0.56	3.53	
	80401	4304-04	Shipman 4A, 4B	DUG		10	20	IND	1970	72				2-1-001:024	saltwater			
	80401	4203-15	Waiakea	PER	8	81	130	IND	1987		8.75	21						
	80401	4203-04	Waiakea 4	PER	16	47	201	SLD	1961	72	7.06	22						
	80401	4007-01	Waiakea Monitor	ROT	7	915	955	OBS	1991	91	257.6			2-4-006:034				
	80401	4203-01	Waiakea TH 1	HELCO	5	40	54	UNU	1960		6.7	4						
	80401	4203-02	Waiakea TH 2	HELCO	5	41	55	UNU	1960		9.1	6						
	80401	4203-03	Waiakea TH 3	HELCO	5	41	56	OTH	1960		5.8	4						
	80401	4204-01	Waiakea Village	PER	14		35	IND	1971	73					700			
<b>Total - Hilo Aquifer System [80401]</b>																<b>42.19</b>	<b>56.94</b>	
<b>KEEAU AQUIFER SYSTEM [80402]</b>																		
	80402	3802-06	Hawaiian Natural	ROT	10	226	251	DOM	1981	98	14			1-6-141:001	230			
	80402	3800-01	Keaau	PER	10	40	60	SLD	1950	72								
	80402	3802-01	Keaau 1		12	215	450	MUN	1921	72			9	1-6-003:055	1020	0.01	0.07	
	80402	3802-02	Keaau 2		12	215	450	MUN	1921	72			5	1-6-003:055	1000	0.13	0.23	
	80402	3900-01	Keaau Orchard 1	PER	8	92	137	MUN	1949	67	8.5	31	136		350			
	80402	3900-02	Keaau Orchard 2	PER	12	95	129	MUN	1964		8.1	207	248		500			
	80402	3801-01	Keaau Recharge	DUG	120		70	OTH		72								
	80402	3804-01	Keaau-Shipman	PER	12	552	698	OTH	1987	87	32.8			1-6-003:007	100			
	80402	4189-01	Kings Landing 1		10	36	58	UNU	1959	72	3.4			1-6-001:025				
	80402	4100-01	Kings Landing 2	PER	10	46	54	UNU	1971	89	6	280	380	1-6-001:025				
	80402	4002-01	Kings Landing 3	PER	12	120	133	UNU	1972	72	9.7	16		1-6-001:002				
	80402	3810-01	Middle Flume Tun	TUN		2100		IND	1900	42								
	80402	3810-02	Middle Flume Tun	TUN		2050		IND	1900	42								
	80402	3810-04	Middle Flume Tun	TUN		2150		UNU	1900									
	80402	3810-03	Middle Flume Tun	TUN		2150			1900									
	80402	3505-01	Mt View TH 1	ROT		1125	158	UNU	1936									
	80402	3504-01	Mt View TH 10	ROT		815	150	UNU	1936									
	80402	3308-01	Mt View TH 4	ROT		1905	117	UNU	1936									
	80402	3508-01	Mt View TH 5	ROT		1940	155	UNU	1936									
	80402	3406-01	Mt View TH 6	ROT		1445	160	UNU	1936									
	80402	3306-01	Mt View TH 7	ROT		1530	106	UNU	1936									
	80402	3603-01	Olaa 3	PER	16	602	664	MUN	1988		0			1-6-003:087	1275	0.87	1.05	
	80402	3702-01	Olaa Shaft	SHF	120	220	203	IND	1936	66	14.5			1-6-003:005	2800			
	80402	4003-01	Panaewa 1	PER	16	206	306	MUN	1963	72	13.12		8	2-2-048:006	1700	2.10	2.43	
	80402	4003-02	Panaewa 2	PER	18	201	302	MUN	1968	72	13.1			2-2-048:006	2200	2.14	2.56	
	80402	4003-03	Panaewa Deep 3	PER	18	206	303	MUN	1983	85	12.2			2-2-048:006	2100	1.18	2.48	
	80402	3802-03	Puna Plnt Pump 1	HELCO	16	214	379	IND	1969	69	28	8		1-6-003:005	2800	8.28	11.00	
	80402	3802-04	Puna Plnt Pump 2	HELCO	16	214	371	IND	1969	69	19.7	8	6	1-6-003:005	2800			
	80402	3802-05	Puna Plnt Pump 3	HELCO	16	214	375	IND	1969	69		8		1-6-003:005	2800			
	80402	4003-04	Toyama Gardens	PER	10	195	235	IRR	1988	89	8	14		2-2-048:013				

**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Type	Casing Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
	80402	3809-01 Waiakea-Uka Tun	Hawaii Dws	TUN		1550		MUN	1890	72				2-4-008:			
	80402	3809-02 Waiakea-Uka Tun	Hawaii Dws	TUN		1560		MUN	1890	72				2-4-008:			
<b>Total - Keeau Aquifer System [80402]</b>																<b>14.71</b>	<b>19.82</b>
<b>OLAA AQUIFER SYSTEM [80501]</b>																	
	80501	3010-01 Flagg 1	Flagg C E	ROT	14	2654	1537	UNU	1997	97	1491	4		1-8-011:063			
	80501	3117-01 Kulani Prison	State Of Haw	PER	8	5080	80	UNU	1947	66	5000						
	80501	3207-01 Mt View TH 2		ROT		1810	58	UNU	1936								
	80501	3207-02 Mt View TH 3		ROT		1835	160	UNU	1936								
	80501	3207-03 Mt View TH 9		ROT		1685	139	UNU	1936								
	80501	3207-04 Olaa-Mt. View	U S G S	ROT	4	1687	1143	OBS	1995	95	1008			1-8-005:018			
	80501	2714-03 Volcano A	State Dowald	PER		3802	245	SLD	1976	76	3577						
	80501	2815-02 Volcano B	State Dowald	PER	8	3865	365	SLD	1977	77	3532						
	80501	2715-02 Volcano TH 3	State Dowald	ROT	1	3838	350	OBS		73	3495						
	80501	2815-01 Volcano TH-1	State Dowald				375		1973					1-9-001:009			
	80501	2715-01 Volcano TH2	State Dowald	ROT	3	3910	400	SLD	1973	73							
	80501	2714-01 Volcano TH-4	State Dowald	ROT	3	3802	328	OBS	1973	73	3620						
	80501	2714-02 Volcano TH5	State Dowald		3	3802	500	OBS	1976	76	3577						
<b>Total - Olaa Aquifer System [80501]</b>																<b>0.00</b>	<b>0.00</b>
<b>KAPAPALA AQUIFER SYSTEM [80502]</b>																	
No inventory in this system																	
<b>NAALEHU AQUIFER SYSTEM [80503]</b>																	
	80503	1331-01 Alili Tunnel	Hawaii Dws	TUN		2900		MUN	1930	74				9-7-001:018	310		
	80503	1530-01 Double Arch Tunn	Kau Agri Co	TUN		3700		IRR									
	80503	1630-04 Fault Tunnel	Kau Agri Co	TUN		3500		IRR									
	80503	1333-03 Fukuda Tunnel	Kau Agri Co	TUN		3000		IRR									
	80503	1229-03 H Brothers	Hester E	PER			1170	UNU	2004	04					0		
	80503	0537-01 Haao Tunnel	Kau Agri Co	TUN		2300		IRR						9-7-001:001			
	80503	1630-03 Heio Tunnel	Kau Agri Co	TUN		3600		IRR									
	80503	0533-02 Honuapo 1	Kau Agri Co	PER	14	94	130	IRR	1965		2	156	580		1150		
	80503	0632-01 Honuapo 2	Kau Agri Co	PER	14	103	140	UNU	1965	74	2.9	624					
	80503	0533-03 Honuapo 3	Kau Agri Co	PER	14	89	125	IRR	1965		3.2				1150		
	80503	0533-01 Honuapo Mill	Kau Agri Co	ROT	3	22	34	UNU	1946	74			1220				
	80503	1730-03 Horita Tunnel	Kau Agri Co	TUN		4150		IRR									
	80503	1529-01 Ipuu Ridge Tun	Kau Agri Co	TUN		2600		IRR									
	80503	1530-04 Kaalaala Gu Tunn	Kau Agri Co	TUN		3250		IRR									
	80503	0536-01 Kahilipali Tun	Kau Agri Co	TUN		2250		IND	1922								
	80503	0436-01 Kapuna Tunnel	Kau Agri Co	TUN		1900		IRR									
	80503	1232-01 Kaumaikeohu Tun	Kawaihae Ranch	TUN		2750		IND	1929								
	80503	1332-01 Kaumaikeohu Tun	Kau Agri Co	TUN		2900		IRR	1929								
	80503	1729-01 Makakupu Tun 1	Kau Agri Co	TUN		3600		IRR						9-7-001:001			
	80503	1729-02 Makakupu Tun 2	Kau Agri Co	TUN		3700		IRR	1929					9-7-001:001			

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Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
80503	0933-01	Makanau Tun 1	Kawaihae Ranch	TUN		1750		IND									
80503	0833-01	Makanau Tun 2	Kau Sugar	TUN		1500								9-5-018:001			
80503	1730-01	Makua Rch Tun	Kau Agri Co	TUN		4300		IRR									
80503	1333-01	Moaula Gluch Tun	Kau Agri Co	TUN		3500		IRR									
80503	1333-02	Moaula Trib Tun	Kau Agri Co	TUN		3100		IRR									
80503	1530-02	Mudflow 3 Tunnel	Kau Agri Co	TUN		3500		IRR									
80503	1630-08	Mudflow Tun 2	Kau Agri Co	TUN		3500		IRR									
80503	1530-03	Mudflow Tunnel	Kau Agri Co	TUN		3400		IRR									
80503	0335-01	Naalehu 1	Hawaii DWS	PER	12	748	896	MUN	1971	71	10	11		9-5-022:007	440	0.04	0.20
80503	0936-01	New Mtnhouse Tun	Hawaii DWS	TUN		3400		MUN	1925	46			15	9-7-001:001	450		
80503	1033-01	Ninole	Kau Agri Co	ROT	1	2000	877	IRR	1969								
80503	0831-02	Ninole A	Kau Agri Co	PER	18	128	172	MUN	1969		5.7	130	183	9-5-019:011	1500		
80503	0831-03	Ninole B	Kau Agri Co	PER	18	128	172	MUN	1971		4.87	147		9-5-019:011			
80503	0831-01	Ninole Gu TH-1	Hawaiiana Inv	ROT	3	123	174	OBS	1968	68	4	114	174	9-5-019:011			
80503	1033-02	Ninole-Wailau 1	Kau Agri Co	ROT	3	1792	859	IRR	1968								
80503	1032-01	Ninole-Wailau 3	Kau Agri Co	ROT	1	1280	941	IRR	1969								
80503	1630-05	Noguchi 1 Tunnel	ML Mac Orchards L.P.	TUN		3400		IRR						9-7-001:001			
80503	1630-10	Noguchi 2 Tunnel	ML Mac Orchards L.P.	TUN		3450	2480	IRR	1930					9-7-001:001			
80503	1630-09	Noguchi Mauka Tu	ML Mac Orchards L.P.	TUN		3600		IRR	1922					9-7-001:001			
80503	0836-01	Old Mtnhouse Tun	Kau Agri Co	TUN		3070		IRR	1928								
80503	1229-01	Pahala	Hawaii Dws	ROT	10	1112	938	MUN	1974	76	383.6	7		9-6-005:048	380	0.03	0.11
80503	1129-01	Pahala 2	Brewer Orchard	PER	18	671	820	IRR	1974	75	14	150					
80503	1229-02	Pahala Deep 2	Hawaii Dws			1112	260	SLD		03				9-6-005:048	0		
80503	1128-01	Pahala Shaft	ML Mac Orchards L.P.	SHF		774	547	IND	1947	72	228						
80503	1630-06	Piikea Gul Tun 1	Kau Agri Co	TUN		4150		IRR									
80503	1630-07	Piikea Gul Tun 2	Kau Agri Co	TUN		3900		IRR									
80503	1136-01	Plant N Spr Tun	Kau Agri Co	TUN		3650		IRR	1928								
80503	0830-01	Punaluu	Hawaiiana Inv		10	22	20	SLD	1972	73		212					
80503	1333-04	Shirakura Tunnel	Kau Agri Co	TUN		3700		IRR	1929								
80503	0436-02	Tanaka Tunnel	Kau Agri Co	TUN		2100		IRR	1923								
80503	1035-01	Vischer Tunnel	Kau Agri Co	TUN		2150		IRR									
80503	0437-01	Waiohinu Expl	U S G S	ROT	4	1299	972	OBS	1994	94	1014			9-5-005:002			
80503	1630-01	Weda 1 Tunnel	Kau Agri Co	TUN		3700		IRR									
80503	1730-02	Weda 2 Tun 1	Kau Agri Co	TUN		3750		IRR									
80503	1630-02	Weda 2 Tunnel	Kau Agri Co	TUN		3600		IRR									
80503	1629-01	Weda 3 Tunnel	Kau Agri Co	TUN		3400		IRR									
<b>Total - Naalehu Aquifer System [80503]</b>																<b>0.07</b>	<b>0.31</b>
<b>KA LAE AQUIFER SYSTEM [80504]</b>																	
80504	8836-01	Kaalualu TH 1	Kawaihae Ranch	ROT	2	40		IND	1966			700					
80504	8837-01	Kaalualu TH 2	Kawaihae Ranch	ROT	2	40		IND	1966			700					
80504	0240-01	Kau Citrus 1	Bassan M	ROT	10	1690	1690	UNU		00	239.9	6		9-3-004:027			
80504	0139-01	Kau Expl.	State Dowrm	PER	14	1259	1325	UNU	1990	90	7.2			9-3-003:014			
80504	8540-01	South Point	U S Army	ROT	6	51	64	UNU	1941	46		600					

**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Type	Casing Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
80504	0339-01	South Point Tank	U S G S	ROT	4	1944	1946	OBS	1997	97	436.1			9-3-004:024			
<b>Total - Ka Lae Aquifer System [80504]</b>																	
<b>MANUKA AQUIFER SYSTEM [80601]</b>																	
80601	0247-01	FMT 1	Thibedeau F M			612	612	DOM		92	7.85			9-2-192:042	20		
80601	0246-01	Kahuku	Hawaii Kau Rch	PER	8	1037	1095	UNU		87	9.5	300		9-2-001:072			
80601	0953-01	Okoe	Mac Farms Haw	PER	12	848	880	IRR	1980	84	3.8	700		3-7-012:002	800	0.16	0.51
80601	8741-01	Pali O Kulani TH		ROT	2				1967		2						
<b>Total - Manuka Aquifer System [80601]</b>																	
<b>KAAPUNA AQUIFER SYSTEM [80602]</b>																	
80602	1953-01	Kaohe 2 S Kona	Magoon Estate	ROT	8	206	226	DOM	1965	65		1530	2300		150		
80602	2354-01	Kealia-O'Shea	O'Shea D	Dug		9	13	DOM	1994	94		2640		8-5-005:009	200		
80602	1154-01	Milolii-Hceoc	Hceoc	DUG	60		5	SLD		96							
80602	1652-01	Opihihale	Kona Horizons, Ltd	ROT	12	1201	1222	IRR	1993	99	2.6	110		8-7-014:006	65	0.01	0.02
<b>Total - Kaapuna Aquifer System [80602]</b>																	
<b>KEALAKEKUA AQUIFER SYSTEM [80603]</b>																	
80603	3155-02	Halekii-DWS	Hawaii Dws	ROT	20	1747	1747	MUN	1993	97	484.5			8-1-001:028	1400	0.80	0.93
80603	3155-03	Hoku 1	1250 Oceanside	ROT	14	1155	1196	IRR	2002	03	51.18	15		8-1-004:056	780	0.42	0.58
80603	3056-01	Hokukano Irr 1	Oceanside 1250	ROT	14	811	849	IRR	1993	02	4	300		7-9-012:003	600	0.11	0.21
80603	3156-01	Hokukano Irr 2	1250 Oceanside	ROT	14	751	791	IRR	2000	02	1.29	900	1040	8-1-004:003	600	0.01	0.12
80603	3157-01	Hokukano Mon 1	Hokulia	PER	2		46	OBS	2000	00				8-1-004:003	0		
80603	3057-01	Hokukano Mon 2	Hokulia	PER	2		106	OBS	2000	00				8-1-004:003	0		
80603	3153-01	Hokukano Ranch	Hokukano Ranch Inc.	PER	16	2530	1350	DOM	1996	96	1300			7-9-001:001	400		
80603	3153-02	Hokukano Ranch 2	Hokukano Ranch Inc.	PER	13	2875	1675	UNU	2004	04	1316			7-9-001:001	0		
80603	2554-01	Honaunau S Kona	Bishop Estate	PER	10		193		1956			1140					
80603	3255-02	Kainaliu Test	State Land	ROT	18	1542	1600	UNU	1993	93	306.5	5		7-9-009:010			
80603	3155-01	Kealakekua Obs.	U S G S	ROT	4	1741	1505	OBS	1991	91				8-1-001:028			
80603	2753-03	Keei 4	Hawaii Dws	ROT	18	1347	1343	MUN	1992		357.7	10		8-3-011:008	1000	0.74	0.86
80603	2753-01	Keei A	Hawaii Dws	PER	12	744	791	MUN	1958	72	2.75	96	210	8-3-008:067	320	0.00	0.01
80603	2753-02	Keei B	Hawaii Dws	PER	12	737	774	MUN	1963	72	2.29	99	344	8-3-008:070	375	0.00	0.02
80603	2653-01	Keei C	Hawaii Dws	PER	12	882	913	MUN	1978	85	4.25	22	78	8-3-008:041	500	0.00	0.03
80603	2755-01	Napoopoo	Thompson W		2	45	40	OTH	1955	74							
80603	2855-01	Napoopoo	Thompson W	DUG	72	20	20	OTH	1939	74							
<b>Total - Kealakekua Aquifer System [80603]</b>																	
<b>ANAHOOMALU AQUIFER SYSTEM [80701]</b>																	
80701	5648-03	Aina Lea 1	Bridge Aina Lea LLC	PER	15	597	637	UNU	1992		4.4	750		6-8-001:036			
80701	5751-02	Cogen Salt 1	Fairmont Orchid Hawaii	ROT	18	10	80	OTH	2001	02				6-8-022:008	3500		
80701	5751-04	Cogen Salt 2	Fairmont Orchid Hawaii	PER	18	12	80	IND	2004	04				6-8-022:008	saltwater		
80701	5650-02	Culvert	Mauna Lani Res	ROT	12	124	160	IRR	1991	92		875		6-8-001:052	350	0.25	0.33
80701	5650-01	Entrance	Mauna Lani Res	ROT	8	137	180	IRR	1991	92	2	910		6-8-001:052	250	0.04	0.18
80701	5850-01	Fabyonic # 1	Fabyonic Properties LLC	DUG	6	7	17	UNU	2001	01	2	1500		6-9-002:023	0		

**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
80701	5452-02	Fifty-One Ft STP	Waikoloa Util	DUG	72	51	53	IRR	1980	80			900	6-8-001:029	350	0.38	0.41
80701	5750-03	Fire Station	Mauna Lani Res	PER	12	60	70	IRR	1988	88	1.3			6-8-001:052	425	0.44	0.61
80701	5651-01	Highway	Mauna Lani Res	PER	12	121	130	IRR	1988	92	2			6-8-001:052	425	0.48	0.56
80701	4959-04	Hualalai Salt 4	Hualalai Dev	ROT	12	5	40	OTH	1995	96		900		7-2-003:004	1100		
80701	5651-02	Mauna Lani SW 1	Mauna Lani Res	PER	18	45	310	OTH	1991	91	1.8			6-8-001:052	3000		
80701	5651-03	Mauna Lani SW 2	Mauna Lani Res	PER	18	28	188	OTH	1991		1.5			6-8-001:052			
80701	5452-01	Nursery	Waikoloa Util	DUG		40	40	IRR	1980	80			920	6-8-001:032	900	0.43	0.71
80701	5548-01	Parker 1	Waikoloa Water	PER	10	813	865	IRR	1968	72	6.1		600	6-8-002:027	450	0.45	0.61
80701	5648-01	Parker 2 TH	Waikoloa Water	ROT	3	620	651	UNU	1968	72	5.1			6-8-002:027			
80701	5553-01	Parker 6	Waikoloa Util					UNU									
80701	4532-01	Pohakuloa TH	State Dowald	ROT	5	6375	1001	UNU	1965	65							
80701	5750-01	Puako 4	Parker Ranch	TUN		37	36	IRR		64	2.8	590				0.83	1.71
80701	5750-02	Puako 6	Parker Ranch	DUG	66	51	55	UNU		64	3	570					
80701	5347-01	Puu Anahulu	State Land	ROT		1517	1548	UNU		94				7-1-003:001			
80701	5452-03	Resort 1	Waikoloa Util	PER	12	51	62	IRR	1988	88	1		720	6-8-001:005	350	0.34	0.53
80701	5552-01	Resort Irr 2	Waikoloa Util	PER	12	81	91	IRR	1988	90			720	6-8-001:005	700	0.56	0.75
80701	5750-04	Stp	Mauna Lani Res					OTH		90						0.35	0.46
80701	5551-01	Waikoloa Irr 3	Waikoloa Util	PER	12	92	110	IRR	1990	90	2	585		6-8-001:005	500	0.50	0.74
80701	5553-02	Waikoloa Saltwtr	Waikoloa Util	PER	12	30	160	OTH	1990	90	0.2	18000		6-9-007:023	350		
80701	5553-03	Waikoloa SW	Hilton Waikoloa	PER	16	24	170	OTH	1997	98		17280		6-9-007:014	3000		
<b>Total - Anaehoomalu Aquifer System [80701]</b>																	
<b>5.05 7.60</b>																	
<b>PAHOA AQUIFER SYSTEM [80801]</b>																	
80801		Bartlett	Bartlett M					DOM	2005	05				1-5-062:086			
80801	3587-05	Bazin	Bazin B	PER	6		95	DOM	2002	02		38		1-5-028:144	0		
80801	3487-01	Bloemen	Bloemen R H V	PER	6		110	IRR	2004	04				1-5-026:164	30		
80801		Camp	Camp R & T					DOM	2005	05				1-5-054:018			
80801	3787-02	Chesnut	Chesnut J A	ROT	5	78	85	DOM	1997	97	7	70		1-5-053:029	25		
80801		Connie	St. Laurence P					DOM	2005	05				1-5-059:057			
80801	3389-02	Diamond	Diamond R & L	ROT	6	411	426	UNU	2002	02	11.58	20		1-5-017:012	0	0.00	0.00
80801		Fenn	Fenn I J					DOM	2005	05				1-5-055:129			
80801		Gapp	Gapp J					DOM	2005	05				1-5-060:076			
80801	3486-01	Golden	Glattauer Lawrence	PER	6		130	UNU	2004	04				1-5-027:158	0		
80801		Hale O Kai	Taylor B					UNU	2004	04				1-5-057:088			
80801	3588-01	Hawn Paradise 1	Watamull Inv	PER	12	145	168	UNU	1981	89	8.08	40		1-5-047:173			
80801	3185-01	Hawn Shores 1	Hwn Sh Comm		8	402	446	MUN	1964		10.6	18	16		500	0.82	0.88
80801	3185-02	Hawn Shores 2	Hwn Sh Comm	ROT	10	380	430	MUN	1971				28		500	0.13	0.14
80801	3587-03	Hwn Par Pk-Olmst	Olmstead M G	ROT	4		107	DOM	1995	95				1-5-049:078	30		
80801	3081-01	Kapoho Airstrip	Hawaii Dws	PER	8	287	337	UNU	1961	73	3.2	331		1-4-002:045			
80801	3589-01	Keaau-Hay	Hay G & D	ROT	4	195	200	IRR	1995	95		60		1-5-037:005	60		
80801	3687-03	Keaau-May	May J D	ROT	6	57	70	DOM	2000	00	1.54	250		1-5-056:099	20	0.00	0.00
80801	3389-01	Keaau-Pahoa Rd	Hawaii Dws	PER	8	427	475	UNU	1960		19	6	12	1-6-009:321			
80801	2987-01	Keonepoko lki	Hawaii DWS	ROT	16	711	740	UNU	2000	00	16.46	10		1-5-008:006			
80801	3188-01	Keonepoko Nui 1	Hawaii Dws	PER	14	603	650	MUN	1977	77	15.11	0	7	1-5-008:001	680	0.00	0.00

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Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Use Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
	80801	3188-02 Keonepoko Nui 2	State DHHL	ROT	16	604	650	MUN	1997	99	16.77	10		1-5-008:001	730	0.45	0.55
	80801	Love	Love D					DOM	2005	05				1-5-052:098			
	80801	3487-02 Luawai	St. Laurence P	ROT	6		135	DOM	2005	05				1-5-026:226	0		
	80801	3585-01 Makuu I	Intercontl Dev	ROT	8	20	30	OTH	1991	92	4.5	315		1-5-010:033	200		
	80801	3585-02 Makuu II	Intercontl Dev	PER	8	10	256	OTH	1992	92				1-5-010:033	200		
	80801	3686-01 McDonald	McDonald J	ROT	5		47	IRR	1997	97		325		1-5-056:001	13		
	80801	3687-06 Monica 1	O' Sullivan J	ROT	6		41	DOM	2003	04		234		1-5-057:024	0		
	80801	3206-01 Mt View TH 8		ROT		1565	150	UNU	1936								
	80801	Noni Kai	Fix P					UNU	2004	04				1-5-054:049			
	80801	2986-01 Pahoa Battery 2A	Hawaii Dws	PER	8	711	755	MUN	1960	72	17.8		6	1-5-003:040	200	0.03	0.10
	80801	2986-02 Pahoa Battery 2B	Hawaii Dws	PER		705	754	MUN	1960	72	17.8		27	1-5-003:040	380	0.07	0.19
	80801	3787-01 Pryor	Pryor J	ROT	5	76	85	IRR	1997	97	6.4	70		1-5-053:049	25		
	80801	3081-02 Puna Therml TH 4	Haw Therml Pwr	PER	14	250	290	UNU	1961								
	80801	3489-01 Rozett	Rozett Nursery	PER	6	275	273	IRR	1999	99	14.29	21		1-5-025:081	50		
	80801	3586-03 Shea	Shea R	ROT	6	34	42	DOM	2002	03	3	140		1-5-056:035	15		
	80801	3485-02 Silverstein	Silverstein R		6		79	IRR	1995	95				1-5-010:022	10		
	80801	3688-03 Travis	Travis J	ROT	6	92	100	UNU	2002	02	4	60		1-5-053:118	0		
	80801	3500-01 Wai Pahoehoe	Hawaii Dws	PER	12	311	361	UNU	1961		16.18	6		1-6-004:048			
	80801	3688-04 Watson	Watson R	ROT	6	103	108	DOM	2002	03	5.18			1-5-052:073	12		
	80801	Webb	Webb C					DOM	2005	05				1-5-052:193			
<b>Total - Pahoa Aquifer System [80801]</b>																<b>1.50</b>	<b>1.86</b>
<b>KALAPANA AQUIFER SYSTEM [80802]</b>																	
	80802	2685-01 Ashida No. Geo	Barnwell Gedco	ROT		802	8300	UNU	1980	87	8	460					
	80802	2883-01 Hgp-A Geo	Nat Energy Lab	ROT		600	6455	OTH	1976	87							
	80802	3080-01 Kapoho Crater	Hawaii Dws	DUG	66	38	46	UNU	1965	72	3.2	64	190	1-4-091:011			
	80802	2983-01 Kapoho PGV MW1	Puna Geo Ventr	ROT	10	610	720	OTH	1990	91	8	20			250		
	80802	2983-02 Kapoho PGV MW3	Puna Geo Ventr	ROT	13	610	720	OTH	1991	91	16	18			1250		
	80802	2883-03 Kapoho St 1 Geo	Puna Geo Ventr	ROT		619	7290	OTH	1981	87	11.3	1200					
	80802	2883-04 Kapoho St 2	Puna Geo Ventr	ROT		718	8605	OTH	1982	87							
	80802	2883-06 Kapoho St. 1-A	Puna Geo Ventr	ROT					1985		11	1098					
	80802	2487-01 Keauohana 1	Hawaii Dws	PER	8	752	802	MUN	1961	76	2.94	72		1-2-009:039	200	0.02	0.06
	80802	2487-02 Keauohana 2	Hawaii Dws	PER	12	753	803	MUN	1970	72	3.1	124	124	1-2-009:039	340	0.03	0.05
	80802	2883-02 Lanipuna 1 Geo	Barnwell Geo	ROT		600	8389	OTH	1981	87							
	80802	2883-05 Lanipuna 6 Geo	Barnwell Geo	ROT		600	4956	OTH	1984	87							
	80802	2783-01 Malama Ki	State Dowald	PER	8	274	319	UNU	1962	73	0.9	5530	6600				
	80802	2881-01 Pohoiki Puna	Oneloa Co Inc	ROT	4	132	140	OTH	1973	88	5	722	2300	1-4-002:069			
	80802	2102-01 Pulama	State Dowald	PER	8	230	250	UNU	1963	73	3.3	278	270	1-1-001:009			
	80802	2883-07 Puna Geo MW2	Puna Geo Ventr	ROT	4	588	640	OBS	1991	91	18.7	370					
	80802	2686-01 Puna Therml TH 1	Haw Therml Pwr	PER	14	1009	217	UNU	1961	73							
	80802	2686-02 Puna Therml TH 2	Haw Therml Pwr	PER	14	1035	558	UNU	1961	73							
	80802	2982-01 Puna Therml TH 3	Haw Therml Pwr	PER	18	563	690	UNU	1961								
	80802	2979-02 Vacationland #1	Harms A B	ROT	6	6	13	SLD	2000	01		250		1-4-070:028	0		
	80802	2979-03 Vacationland #2	Harms A B	ROT	6	11	19	SLD	2000	01		250		1-4-070:027	0		

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	80802	2979-04	Vacationland #3	Harms A B	ROT	6	12	19	SLD	2000	01		250	1-4-070:015	0			
	80802	2979-05	Vacationland #4	Harms A B	ROT	6	12	25	SLD	2000	01		250	1-4-070:028	0			
	80802	2979-06	Vacationland 1A	Harms A B	ROT	6	7	12	DOM	2002		0.56		1-4-067:039	12			
	80802	2979-07	Vacationland 2A	Harms A B	ROT	6	12	15	DOM	2002	02	1.5		1-4-070:027	12			
	80802	2979-08	Vacationland 3A	Harms A B	ROT	6	12	15	DOM	2002	02	0.9		1-4-070:015	12			
	80802	2979-09	Vacationland 4A	Harms A B	ROT	6	12	15	DOM	2002	02	1.13		1-4-070:028	12			
<b>Total - Kalapana Aquifer System [80802]</b>																<b>0.05</b>	<b>0.11</b>	
<b>HILINA AQUIFER SYSTEM [80803]</b>																		
	80803	2317-01	Haw Vol Nat Pk	Haw Vol Nat Pk	ROT	14	3606	4127	OBS	1973	73	1806						
<b>Total - Hilina Aquifer System [80803]</b>																<b>0.00</b>	<b>0.00</b>	
<b>KEAIWA AQUIFER SYSTEM [80804]</b>																		
	80804	1128-02	Palima	ML Mac Orchards L.P.	PER	18	304	375	IRR	1970		8.7	9	12				
	80804	0830-02	Punaluu TH-2	Kau Agri Co	ROT	3	56	90	IRR	1968			240	240				
<b>Total - Keaiwa Aquifer System [80804]</b>																<b>0.00</b>	<b>0.00</b>	
<b>KEAUHOU AQUIFER SYSTEM [80901]</b>																		
	80901	4461-01	Cooper	Cooper M B		4		185	UNU	1985	90		2300	7-3-049:005				
	80901	3957-04	Doutor Coffee #1	Doutor Coffee Co.	ROT	12	1445	1462	IRR	2001	01	43.03	10	3-7-011:023	230			
	80901	4463-04	Dust Control	Cyanotech Corp				22	OTH	1987	87							
	80901	3657-01	Holualoa	Hawaii Dws	ROT	14	1123	1172	MUN	1983	84	5.64	18	7-6-006:018	500	0.57	0.71	
	80901	4060-01	Honokohau Quarry	Honokohau Prop	ROT	6	121	137	OTH	1995	95	2	500	7-4-028:026	25			
	80901	4158-02	Honokohau-DWS	Hawaii Dws	ROT	20	1681	1735	MUN	1991	98	109.5	8	7-4-006:006	1200	1.60	1.93	
	80901	4258-03	Hualalai Expl	Hawaii Dws	ROT	18	1683	1822	MUN	1993	98	292.9	5	7-3-006:003	1200	0.96	1.42	
	80901	4559-01	Huehue Ranch 1	Huehue Ranch	PER	10	1579	1690	MUN	1985	88	7.8	60	7-2-006:009	350	0.20	0.27	
	80901	4459-01	Huehue Ranch 2	Huehue Ranch	ROT	14	1534	1642	MUN	1991	03	7.3	151	7-2-006:009	570	0.28	0.41	
	80901	4459-02	Huehue Ranch 4	Huehue Ranch	ROT	14	1533	1625	MUN	1992	92	7	110	7-2-006:009	490	0.00	0.00	
	80901	3557-01	Kahaluu A	Hawaii Dws	ROT	12	833	878	MUN	1959	74	4.34	40	97	7-8-009:054	700	0.89	1.03
	80901	3557-02	Kahaluu B	Hawaii Dws	ROT	12	839	881	MUN	1959	74	3.2	13	230	7-8-009:067	700	0.01	0.03
	80901	3557-03	Kahaluu C	Hawaii Dws	ROT	12	834	868	MUN	1969	70	4.66	8	78	7-8-009:077	700	0.56	0.81
	80901	3557-04	Kahaluu D	Hawaii Dws	ROT	14	855	905	MUN	1970	74	4	8	112	7-8-009:076	720	0.96	1.09
	80901	3457-04	Kahaluu Deep Monitor	State Cwrm	PER	8	308	738	OBS	2000	00	1.86		7-8-010:028	0			
	80901	3557-05	Kahaluu Shaft	Hawaii Dws	SHF	156	590	595	MUN	1976	77	4	34	344	7-8-010:054	4200	3.53	4.42
	80901	4061-01	Kaho Obs 3	Natl Park Serv	ROT	2	37	52	OBS	1996	96	2.5		7-4-008:010				
	80901	4161-01	Kaho Obs. 1	Natl Park Serv	ROT	2	23	34	OBS	1996	96	0.5		7-4-008:010				
	80901	4161-02	Kaho Obs. 2	Natl Park Serv	ROT	2	55	69	OBS	1996	96	2.7		7-4-008:010				
	80901	3758-01	Kailua Kona	Hawaii Dws	PER	6	595	615	UNU	1944	49	3.32	463	600	7-5-017:011			
	80901	3255-01	Kainalu Obs.	U S G S	ROT		1693	1543	OBS	1991	91	420	18	7-9-008:003				
	80901	4358-01	Kalaoa A	Hawaii Dws	ROT	14	1799	1850	MUN	1990	91	237.9	10	12	7-3-004:005	300	0.00	0.06
	80901	3858-01	Kalaoa Keopu Deep	State Cwrm	ROT	8	736	1310	OBS	2001	01			7-5-010:016	0			
	80901	4360-01	Kalaoa N Kona	State Dowald	ROT	10	680	702	UNU	1968	72	3.2	600	7-3-010:033				
	80901	4160-01	Kaloko Irr 1	Tokyo Grn Haw	PER	12	565	584	UNU	1985	92	2.5	940	7-3-009:017				
	80901	4160-02	Kaloko Irr 2	Tokyo Grn Haw	PER	12	542	561	UNU	1985	92	1.5	955	7-3-009:017				

**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
	80901	3759-01	Kaneyoshi Irr	Kaneyoshi Co Ltd	ROT	5	37	47	IRR	1999	99	0.8	5000	7-5-020:024	75		
	80901	4461-02	Keahole Helco	HELCO	PER	12	208	253	IND	1993	04	1	5900	7-3-010:002	500	0.07	0.14
	80901	4462-05	Keahole MW-11	State Dot-Airp	ROT	2	140	172	OBS	1996	96	1.4		7-3-043:003			
	80901	4462-06	Keahole MW-13A	State Dot-Airp	ROT	2	55	83	OBS		96	2.4		7-3-043:003			
	80901	4462-07	Keahole MW-13B	State Dot-Airp	ROT	2	55	64	OBS		96	2.4		7-3-043:003			
	80901	4463-01	Keahole MW-14A	State Dot-Airp	ROT	2	21	50	OBS		96	2.6		7-3-043:003			
	80901	4463-02	Keahole MW-14B	State Dot-Airp	ROT	2	21	40	OBS		96	2.6		7-3-043:003			
	80901	4463-03	Keahole MW-14C	State Dot-Airp	ROT	2	21	30	OBS	1996	96	2.6		7-3-043:003			
	80901	4363-01	Keahole Point 1	Uwajima Fisheries	ROT	4	15	32	OTH	1989	89	1	15000	7-3-043:003	250		
	80901	4363-10	Keahole Point 10	Uwajima Fisheries	ROT	4	15	32	OTH	1989	89	1	15000	7-3-043:003	250		
	80901	4363-11	Keahole Point 11	Uwajima Fisheries	ROT	4		50	OTH					7-3-043:003			
	80901	4363-12	Keahole Point 12	Uwajima Fisheries	ROT	4		50	OTH					7-3-043:003			
	80901	4363-02	Keahole Point 2	Uwajima Fisheries	ROT	4	15	32	OTH	1989	89	1	15000	7-3-043:003	250		
	80901	4363-03	Keahole Point 3	Uwajima Fisheries	ROT	4	15	32	OTH	1989	89	1	15000	7-3-043:003	250		
	80901	4363-04	Keahole Point 4	Uwajima Fisheries	ROT	4	15	32	OTH	1989	90	1	15000	7-3-043:003	250		
	80901	4363-05	Keahole Point 5	Uwajima Fisheries	ROT	4	15	32	OTH	1989	90	1	15000	7-3-043:003	250		
	80901	4363-06	Keahole Point 6	Uwajima Fisheries	ROT	4	15	32	OTH	1989	90	1	15000	7-3-043:003	250		
	80901	4363-07	Keahole Point 7	Uwajima Fisheries	ROT	4	15	32	OTH	1989	89	1	15000	7-3-043:003			
	80901	4363-08	Keahole Point 8	Uwajima Fisheries	ROT	4	15	32	OTH	1989	89	1	15000	7-3-043:003	250		
	80901	4363-09	Keahole Point 9	Uwajima Fisheries	ROT	4	15	32	OTH	1989	89	1	15000	7-3-043:003	250		
	80901	4462-02	Keahole-DOT	State Dot-Airp	PER	8	134	165	OTH	1992	93	1.5	3825				
	80901	4057-01	Keahuola QLT 1	Hawaii Dws	ROT	16	1765	1787	MUN	1994	96	187.8	10	7-4-002:006	960	1.09	1.40
	80901	3457-01	Keauhou 1	Bishop Estate	PER	10	175	193	IRR	1956	92			7-8-010:002	450	0.09	0.20
	80901	3357-01	Keauhou 2	Bishop Estate	ROT	10	385	430	OTH	1966	97					0.00	0.00
	80901	3457-02	Keauhou A	Hawaii Dws	PER	16	723	765	OTH	1985	87	2.9		7-8-010:050			
	80901	3456-01	Keauhou B	Kam Inv Corp	PER	14	1018	1047	OTH	1989	89	3.5		7-8-010:006			
	80901	3457-03	Keauhou Irr 3	Otaka Inc	PER	12	366	387	IRR	1985				7-8-010:077	500	0.14	0.28
	80901	3355-01	Keauhou-Kam 2	Kam Inv Corp	ROT	18	1618	1585	OTH	1991	91	278.1	5	7-8-004:015			
	80901	3355-02	Keauhou-Kam 3	Kam Inv Corp	ROT	18	1658	1658	OTH	1992	92	386	5	7-8-004:075			
	80901	3355-03	Keauhou-Kam 4	Kam Inv Corp	ROT	18	1650	1650	OTH	1994	94	228	6	7-8-002:001			
	80901	3357-04	Keauhou-Kona C C	Otaka Inc	PER	12	397	415	IRR	1990	90	2		7-8-010:051	470	0.15	0.27
	80901	3957-01	Keopu-Puuhonua	Haseko-Hawaii	ROT	14	1675	1706	OTH	1993	93	47	10	7-5-001:001			
	80901	4458-01	Kohanaiki 1	Nansay Hawaii	ROT	14	1799	1952	OTH	1991	91	9.9	35	7-2-005:001			
	80901	4458-02	Kohanaiki 2	Nansay Hawaii	ROT	18	1800	1880	OTH	1991	91	10.2	15	7-2-005:001			
	80901	3957-02	Komo Monitor	U S G S	ROT	4	1601	1623	OTH	1991	91			7-5-001:055			
	80901	3859-01	McCaskill	Mc Caskill J	ROT				OTH	1942	89			7-5-018:019	0		
	80901	4363-13	Net Washing	Cyanotech Corp	ROT	36		26	OTH	1987	87			7-3-043:042	80		
	80901	3657-02	Pahoehoe	Hawaii Dws	PER	16	1146	1180	OTH	1990	92	4.28	400	7-7-006:018			
	80901	4059-01	Palani	State Dowald	PER	12	800	853	OTH	1958	72	1.6	2800	4300			
	80901	3857-04	Waiaha-DWS	Hawaii DWS	ROT	20	1542	1752	OTH	2000	00	59.56	10	7-5-015:015			
	80901	3857-01	Waiaha-DWS	Hawaii Dws	ROT	20		1602	OTH		00			7-5-014:016			
<b>Total - Keauhou Aquifer System [80901]</b>																<b>11.10</b>	<b>14.47</b>

**KIHOLO AQUIFER SYSTEM [80902]**



**Appendix B: CWRM Island of Hawaii Well Database (as of October 2005)**

Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Dia. in.	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
80902	4959-05	Beach Pool	Hualalai Dev	PER	6	3	8	OTH	1996	96	0.3			7-2-003:005	150		
80902	4950-01	Big Island C C 1	Big Isle C C	ROT	16	2105	2181	IRR	1992	95	8	43		7-1-005:026	700		
80902	4950-02	Big Island C C 2	Big Isle C C	ROT	16	2130	2208	IRR	1995	96	11.41			7-1-005:041	700		
80902	4959-08	Fitness Center	Hualalai Dev	ROT	6	13	26	OTH	1996	96				7-2-003:005	100		
80902	4859-01	Hualalai Makai	Hualalai Dev	ROT	10	250	270	UNU	1994	94	1.6			7-2-003:006			
80902	4959-01	Hualalai Salt 1	Hualalai Dev	ROT	12	3	40	OTH	1995	96		2400		7-2-003:004	1100		
80902	4959-02	Hualalai Salt 2	Hualalai Dev	ROT	12	3	40	OTH	1995	96		2500		7-2-003:004	1100		
80902	4959-03	Hualalai Salt 3	Hualalai Dev	ROT	12	4	80	OTH	1995	96		2800		7-2-003:004	1100		
80902	4558-01	Huehue Ranch 3	Huehue Ranch	PER	14	1519	1598	MUN	1991	91	7			7-2-004:007	570	0.24	0.52
80902	4558-02	Huehue Ranch 5	Huehue Ranch	ROT	14	1529	1600	MUN	1992	92	22.5	35		7-2-004:014	570	0.01	0.02
80902	4856-01	Kaupulehu	Hualalai Develoment	ROT	12	934	985	IRR	2001	01	5.39	250		7-2-003:003	590	0.60	0.81
80902	4757-01	Kaupulehu Irr 1	Kaupulehu Land Co.	PER	12	848	975	IRR	1991	94	2.8	250		7-2-003:003	350	0.11	0.30
80902	4757-02	Kaupulehu Irr 2	Kaupulehu Land Co.	PER	12	868	980	IRR	1990	95	6			7-2-003:003	550	0.52	0.76
80902	4757-03	Kaupulehu Irr 3	Kekaha Venture	ROT	12	888	1000	IRR	2001	02	3.91	220		7-2-003:003	550		
80902	4757-04	Kaupulehu Irr 4	Kekaha Venture	ROT	12	915	1013	IRR	2002	02	2.56	240		7-2-003:003	550		
80902	4658-01	Kaupulehu Pot 1	Kaupulehu Wtr	ROT	12	1343	1440	MUN	1981	96	6.9	38		7-2-003:003	450	0.33	0.53
80902	4658-02	Kaupulehu Pot 2	Kaupulehu Wtr	ROT	12	1343	1444	MUN	1986	95	7			7-2-003:003	450	0.25	0.36
80902	4657-01	Kaupulehu Pot 3	Hualalai Dev	ROT	16	1321	1421	MUN	1999	99	5.8	110		7-2-003:003	450	0.30	0.56
80902	4657-02	Kaupulehu Pot 4	Kaupulehu Makai	ROT	16	1345	1454	MUN	2002	02	4.81	190		7-2-003:003	450	0.45	0.66
80902	4657-03	Kaupulehu Pot 5	Kaupulehu Makai	ROT	16	1335	1416	UNU	2004	04	5.16	90		7-2-003:003	0		
80902	4759-01	KI-1	Wb Kukio Lib	PER	14	591	610	IRR	1990	01	1.6	590		7-2-004:016	500	0.31	0.33
80902	4759-02	KI-2	Wb Kukio Lib	PER	12	551	570	IRR	1991	00	1.2	460		7-2-004:016	500	0.38	0.40
80902	4759-03	KI-3	Wb Kukio Lib	PER	16	592	618	IRR	1992	01	0	720		7-2-004:016	500	0.32	0.36
80902	4953-01	Kiholo	State Dowald	ROT	12	932	971	UNU	1972	73	2.6	340		7-1-002:001			
80902	4858-01	Kona Village 1	Pia-Kona Ltd	ROT	4	501	528	UNU	1960	74	0.8	385	410	7-2-003:003			
80902	4858-02	Kona Village 2	Kona Vil Assoc	ROT	8	503	523	IRR	1968	72	1.8		593	7-2-003:003	232	0.01	0.08
80902	4858-03	Kona Village 3	Kona Vil Assoc	ROT	10	500	534	IRR	1973	73	2.8	300	830	7-2-003:003	174	0.09	0.17
80902	4859-03	Kukio Lagoon 1	WB Kukio Resorts	DUG	72	7	12	OTH	2002	03	0.94			7-2-016:002	1500		
80902	4959-19	Kukio Lagoon 2	WB Kukio Resorts	DUG	72	8	12	OTH	2002	03	0.94			7-2-016:003	1500		
80902	4960-04	Kukio Obs A	Huehue Ranch	DUG	2	3	10	OBS	1991	91	0.5			7-2-004:005	0		
80902	4960-03	Kukio Obs B	Huehue Ranch	DUG	2	3	15	OBS	1991	91	0.11			7-2-004:005	0		
80902	4959-10	Kukio Obs C	WB Kukio Resort	ROT	2	9	20	OBS	2001	01	0.25			7-2-004:005	0		
80902	4959-13	Kukio Obs C	Huehue Ranch	DUG	2	9	20	SLD	1991	01	0.25			7-2-004:005	0		
80902	4960-01	Kukio Obs D	WB Kukio Resort	ROT	2	8	18	OBS	2001	01	0.25			7-2-004:005	0		
80902	4959-16	Kukio Obs D	Huehue Ranch	DUG	2	7	18	SLD	1991	01	0.47			7-2-004:005	0		
80902	4959-11	Kukio Obs E	WB Kukio Resort	ROT	2	8	20	OBS	2001	01	0.25			7-2-004:005	0		
80902	4959-14	Kukio Obs E	Huehue Ranch	DUG	2	9	20	SLD	1991	01	0.53			7-2-004:005	0		
80902	4959-12	Kukio Obs F	WB Kukio Resort	ROT	2	7	17	OBS	2001		0.5			7-2-004:005	0		
80902	4959-15	Kukio Obs F	Huehue Ranch	DUG	2	7	15	SLD	1991	01	0.53			7-2-004:005	0		
80902	4959-06	Main Pool	Hualalai Dev	PER	6	4	11	OTH	1996	96	1			7-2-003:005	90		
80902	4760-01	Maniniowali 1	Maniniowali Equity Co.,	ROT	12		281	UNU	2002	02				7-2-004:018	0		
80902	4959-07	Palm Grove	Hualalai Dev	PER	6	3	9	OTH	1996	96	1.1			7-2-003:004	60		
80902	4850-01	Puu Lani	Puuwaawaa Rch	ROT	10	2314	6800	MUN	1978	92	18.8	60		7-1-006:019	72	0.02	0.03
80902	4650-01	Puu Waawaa	Puuwaawaa Rch	ROT	7	2550	5595	MUN	1978	92	231.6	45		7-1-001:002	74	0.02	0.06

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Aquifer System	Well No.	Well Name	Owner User	Casing Type	Ground Elev. ft.	Well Depth ft.	Use Cat.	Yr. Drill.	Use Yr.	Init. Head ft.	Init. Chl. ppm	Max. Chl. ppm	TMK	Pump Capacity gpm	Average Pumpage mgd	High Avg. Pumpage mgd
80902	4959-20	Raptor Residence	Raptor Residence LLC	PER	8	5	UNU	2003	03	1.5	17119		7-2-017:001	0		
80902	4959-09	Ryan Salt	Hitherandthirthering	ROT	4		OTH	1999					7-2-011:008	0		
80902	5352-01	West Haw Landfil	Waste Mgmt Haw	ROT	8	192	IRR	1993	94	2	910		7-1-003:001	100	0.30	2.33
<b>Total - Kiholo Aquifer System [80902]</b>															<b>4.26</b>	<b>8.28</b>
<b>TOTAL - ISLAND</b>															<b>93.94</b>	<b>131.97</b>