

**Central Oahu Watershed Study  
Average Annual Pumpage (MGD) From CWRM Data**

Owner	Well No.	Well Name	Aquifer	USE	2000	2001	2002	2003	2004
Campbell Est	3-2006-001	Ep 10 A	Ewa-Kunia	UNU		0.23	0.12	0.15	0.14
Grace Pacific	3-2104-001	Makakilo Quarry	Ewa-Kunia	IND	0.14	0.10	0.10	0.11	0.10
Ko Olina Intangibles, LLC	3-2006-013	Ko Olina	Ewa-Kunia	IRR	0.79	0.79	0.06	0.56	0.53
BWS	3-2006-014	BP Non-Potable 1	Ewa-Kunia	IRR	0.77	0.80	0.64	0.70	0.73
BWS	3-2006-015	BP Non-Potable 2	Ewa-Kunia	IRR	0.99				
US Navy	3-2103-003	Barbers Pt Shaft	Ewa-Kunia	DOM	2.38	2.55	2.64	2.42	2.05
Del Monte	3-2703-001	Kunia Camp 1	Ewa-Kunia	IRR					
BWS	2303-01, 02	Honouliuli Wells I	Ewa-Kunia	MUN	0.00	1.11	0.59	1.41	0.97
BWS	2303-03 to 06	Honouliuli Wells II	Ewa-Kunia	MUN	5.67	4.98	6.26	6.01	6.10
BWS	2004-04	Makakilo Well	Ewa-Kunia	MUN	0.98	1.00	1.00	0.73	0.00
Campbell Estate	3-1905-010	Kapolei Irr 2	Kapolei	IRR		0.26	0.04		
KPI	3-2003-001	Kapolei Irr A	Kapolei	IRR	0.40	0.36	0.25	0.01	0.01
KPI	3-2003-002	Kapolei Irr B	Kapolei	IRR	0.32	0.34	0.22	0.01	0.01
KPI	3-2003-005	Kapolei Irr E	Kapolei	IRR	0.11	0.15	0.09	0.01	0.00
State HFCD	3-2003-004	Kapolei Irr D	Kapolei	IRR	0.27	0.26	0.24	0.28	0.22
State HCDCH	3-2003-007	Kapolei Irr C-1	Kapolei	IRR	0.26	0.18	0.14	0.10	0.10
Kalaeloa L P	3-1805-004	Kalaeloa PW-1	Malakole	IND		1.69	1.69	1.40	1.32
Chevron USA	3-1806-020	Acid Plant	Malakole	IND	1.92	2.36	2.24	2.10	2.29
Grace Pacific	3-1906-004	Grace Pac C-2	Malakole	IND	0.22	1.40			
Grace Pacific	3-1906-006	Grace Pac C-1	Malakole	IND	0.03	0.00			
Seibu Haw Inc	3-1900-017	Haw Prince Irr 2	Puuloa	IRRAGRGLF				0.01	0.03
Seibu Haw Inc	3-1900-018	Haw Prince Irr 3	Puuloa	IRR				0.02	0.05
Seibu Haw Inc	3-1900-019	Haw Prince Irr 4	Puuloa	IRR	0.04			0.01	0.05
Seibu Haw Inc	3-1901-003	Haw Prince Irr 1	Puuloa	IRRAGRGLF			0.02	0.03	0.03
Gentry Homes	3-1901-005	Gentry Area 13	Puuloa	IRR				0.02	0.03
Gentry Dev Co	3-2001-002	Gentry Entry Irr	Puuloa	IRR	0.04	0.10	0.04	0.04	0.04
Gentry Pacific	3-2001-004	Sunrise	Puuloa	IRR	0.02			0.00	0.00
Gentry Pacific	3-2001-005	Sun Terra	Puuloa	IRR	0.04	0.05	0.08	0.08	0.06
Gentry Pacific	3-2001-009	Coronado	Puuloa	IRR	0.02			0.02	0.01
Gentry Dev Co	3-2001-010	Gentry Area 24	Puuloa	IRR	0.07	0.01	0.02	0.03	0.01
Gentr Invest	3-2001-012	Keaunui Area 30	Puuloa	IRR				0.19	0.20
Haskeo Ewa Inc	3-1902-001	Ep 27A&B, 28&29	Puuloa	IRR			0.22	0.24	0.45
Palm Villa 1 Association	3-2001-006	Palm Villa I	Puuloa	IRR	0.03	0.02	0.96	3.50	0.03

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Palm Villa 2 Association	3-2001-008	Palm Villa 2	Puuloa	IRR	0.05	0.04	0.04	0.03	0.00
Arbors Association	3-2001-007	Arbors GV 1	Puuloa	IRR	0.33				
Coral Creek	3-2001-013	Coral Creek 4	Puuloa	IRRAGRGLF	0.63	0.19	0.50	0.05	0.09
Coral Creek	3-2002-015	Coral Creek 1	Puuloa	IRRAGRGLF	0.17	0.08	0.01		2.17
Coral Creek	3-2002-017	Coral Creek 2	Puuloa	IRRAGRGLF	0.15	0.07	0.00	0.00	0.01
Coral Creek	3-2002-019	Lake A	Puuloa	IRR					0.07
USFW	3-2101-014	Honouliuli	Puuloa	OTH	0.14	0.13	0.16	0.13	0.09
Del Monte	3-2803-005	Del Monte Pump 3	Wahiawa	DOM	1.60	2.04	1.51	2.02	1.67
Del Monte	3-2803-007	Del Monte Pump 4	Wahiawa	IRR	1.17	1.23	1.10	0.64	0.21
U.S. Army	3-2901-001	Schofield Batt	Wahiawa	OBS	5.69	5.81	5.33	4.80	3.82
U.S. Navy	3-2255-032	Aiea Halawa Shft	Waimalu	DOM	0.09	0.67	0.43	0.50	0.16
Pearl C.C.	3-2356-054	Pearl C C Golf	Waimalu	IRR	0.40	0.37	0.33	0.36	0.22
Minami K.	3-2455-002	Waimalu	Waimalu	DOM					0.001
State of Hawaii	3-2557-001	Waimano Trng Sch 1	Waimalu	DOM	0.08	0.10	0.09	0.08	0.08
BWS	2355-03, 05	Aiea Gulch (Combined)	Waimalu	MUN	0.47	0.84	0.82	0.83	0.85
BWS	2355-06, 07	Aiea Wells Bstr. No. 1	Waimalu	MUN	1.42	1.21	1.33	1.02	1.30
BWS	2255-37 to 39	Halawa Well (277)	Waimalu	MUN	1.12	1.02	1.06	1.03	0.61
BWS	2356-55, 56	Kaonohi Wells I	Waimalu	MUN	1.44	1.41	1.37	1.32	1.35
BWS	2456-01 to 03	Newtown Wells	Waimalu	MUN	0.87	0.90	0.87	0.67	0.54
BWS	2457-13 to 15	Waiau Wells	Waimalu	MUN	1.80	1.56	1.19	0.88	1.19
BWS	2356-50	Waimalu Wells I	Waimalu	MUN	0.00	0.00	0.00	0.00	0.00
BWS	2354-01	Halawa Shaft	Waimalu	MUN	12.86	12.05	12.03	11.69	11.41
BWS	2357-11,12	HECO-Waiiau	Waimalu	MUN	2.41	2.41	2.41	2.13	2.14
BWS	2357-23, 24	Kaahumanu Wells I	Waimalu	MUN	1.13	1.14	1.09	1.07	1.16
BWS	2356-58, 59	Kaamilo Wells	Waimalu	MUN	0.00	0.42	1.69	1.76	1.86
BWS	2355-09 to 14	Kalauao Wells	Waimalu	MUN	7.44	7.36	7.29	12.53	8.87
BWS	2457-05, 06, 09 to 12	Punanani Wells	Waimalu	MUN	13.79	14.64	13.02	12.32	11.40
Campbell Est	3-2102-002	Ep 18 Battery	Waipahu-Waiawa	IRR		0.91	0.40	0.63	0.38
Kahua Meat Co.	3-2101-001	Honouliuli	Waipahu-Waiawa	IND	0.09	0.09	0.27	0.09	0.02
C&C Ent Serv	3-2201-003	EP 2	Waipahu-Waiawa	IRR				0.98	
C&C Ent Serv	3-2201-004	EP 2	Waipahu-Waiawa	IRR	1.01				
Loo R.	3-2202-001	Honouliuli	Waipahu-Waiawa	DOM	0.002	0.002	0.003	0.003	0.004

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Campbell Est	3-2202-003	Ep 18 Battery	Waipahu-Waiawa	IRR		2.06	1.74	1.71	1.49
Campbell Est	3-2202-015	Ep 18 Battery	Waipahu-Waiawa	IRR		0.23	0.47	0.48	0.40
Waikele Golf LLC	3-2301-010	Waipahu WP1	Waipahu-Waiawa	UNU			0.40	0.46	0.38
Gora G.	3-2359-010	Trias Well	Waipahu-Waiawa	DOM				0.0003	0.0002
Liongain Haw Inc.	3-2401-007	Royal Kunia C C	Waipahu-Waiawa	IRR	0.43	0.49	0.41	0.36	0.29
U.S. Navy	3-2558-010	Waiawa Shaft	Waipahu-Waiawa	DOM	17.36	17.14	12.23	9.29	10.44
Kipapa Acres C.P.R.	3-2600-002	Kipapa Gulch	Waipahu-Waiawa	DOM	0.0120	0.0122	0.0082	0.0066	
Hawaii Country Club	3-2603-001	Waikele	Waipahu-Waiawa	IRR	0.14	0.14	0.30	0.31	0.25
BWS	2301-34 to 39	Hoaeae Wells	Waipahu-Waiawa	MUN	9.47	7.77	7.19	6.73	6.79
BWS	2302-01 to 04	Kunia Wells I	Waipahu-Waiawa	MUN	4.19	3.12	3.75	3.30	3.91
BWS	2402-01 to 03, 05	Kunia Wells II	Waipahu-Waiawa	MUN	1.66	1.89	2.22	2.05	1.86
BWS	2401-04 to 06	Kunia Wells III	Waipahu-Waiawa	MUN	0.00	2.80	3.17	3.12	3.31
BWS	2800-01 to 04	Mililani Wells I	Waipahu-Waiawa	MUN	3.05	3.23	2.83	2.39	1.93
BWS	2859-01,02	Mililani Wells II	Waipahu-Waiawa	MUN	1.60	1.44	0.49	0.73	0.92
BWS	2600-03,04	Mililani Wells III	Waipahu-Waiawa	MUN	0.00	0.25	0.95	0.94	0.83
BWS	2858-01 to 03	Mililani Wells IV	Waipahu-Waiawa	MUN	1.42	1.34	1.54	1.50	1.43
BWS	2458-01	Pearl City Shaft	Waipahu-Waiawa	MUN	0.80	0.79	0.76	0.84	0.88
BWS	2458-03, 04	Pearl City Wells I	Waipahu-Waiawa	MUN	0.66	0.76	0.75	0.93	1.09
BWS	2457-01 to 03	Pearl City Wells II	Waipahu-Waiawa	MUN	1.36	1.60	1.41	1.39	1.32
BWS	2557-03	Pearl City Wells III	Waipahu-Waiawa	MUN	0.53	0.27	0.48	0.45	0.41
BWS	2400-05, 06, 08	Waipahu Wells II	Waipahu-Waiawa	MUN	1.24	2.18	1.20	1.07	1.17
BWS	2459-19,20	Waipio Hts Wells	Waipahu-Waiawa	MUN	1.19	1.36	1.29	0.99	0.58
BWS	2459-23,24	Waipio Hts Wells I	Waipahu-Waiawa	MUN	1.15	0.32	0.70	0.68	0.27
BWS	2500-01,02	Waipio Hts Wells II	Waipahu-Waiawa	MUN	0.09	0.48	0.81	0.38	0.31
BWS	2400-09 to 13	Waipio Hts Wells III	Waipahu-Waiawa	MUN	0.00	0.00	0.00	0.00	0.64
BWS	2400-01 to 04	Waipahu Wells I	Waipahu-Waiawa	MUN	3.92	4.01	4.09	4.26	5.23
BWS	2356-60, 63, 64	Waimalu Wells II	Waipahu-Waiawa	MUN	0.00	0.00	0.00	0.00	0.00
BWS	2356-61, 62, 65	Kaonohi Wells II	Waipahu-Waiawa	MUN	0.00	0.00	0.00	0.00	0.00