

Preliminary summary of 2010 sample effort and wēkiu bug captures from surveyed Mauna Kea cinder cones using shrimp pitfalls traps.

Trap Number	Locality	Date	Elevation in meters	GPS (N)	GPS (W)	Habitat	Number of Wekiu bugs	Collectors
009	Pu'u Haukea	2-8-Jun-10	4124.00	19.81455	155.47333	cinder	4	RE, SM, LE, CI
010	Pu'u Haukea	2-8-Jun-10	4120.00	19.81463	155.47339	cinder	4	RE, SM, LE, CI
011	Pu'u Haukea	2-8-Jun-10	4116.00	19.81436	155.47325	cinder/inside crater	32	RE, SM, LE, CI
012	Pu'u Haukea	2-8-Jun-10	4125.00	19.81426	155.47346	cinder/crater rim	13	RE, SM, LE, CI
013	Pu'u Haukea	2-8-Jun-10	4118.00	19.81383	155.47322	cinder cone	51	RE, SM, LE, CI
014	Pu'u Haukea	2-8-Jun-10	4128.00	19.81365	155.47336	cinder/crater rim	2	RE, SM, LE, CI
015	Pu'u Haukea	2-8-Jun-10	4124.00	19.81323	155.47261	cinder/boulders	59	RE, SM, LE, CI
016	Pu'u Haukea	2-8-Jun-10	4115.00	19.81342	155.47261	cinder	47	RE, SM, LE, CI
017	Pu'u Haukea	2-8-Jun-10	4116.00	19.81383	155.47322	cinder	28	RE, SM, LE, CI
018	Pu'u Haukea	2-8-Jun-10	4126.00	19.81368	155.47151	cinder/top of cone	21	RE, SM, LE, CI
							261 Total	
019	Pu'u Poliahu	2-8-Jun-10	4149.85	19.82215	155.48135	cobble/ground	0	RE, SM, LE, CI
020	Pu'u Poliahu	2-8-Jun-10	4151.68	19.82250	155.48131	boulder/cobble	0	RE, SM, LE, CI
021	Pu'u Poliahu	2-8-Jun-10	4161.74	19.82272	155.48116	boulder/slope	0	RE, SM, LE, CI
022	Pu'u Poliahu	2-8-Jun-10	4160.22	19.82294	155.48088	along summit line	0	RE, SM, LE, CI
023	Pu'u Poliahu	2-8-Jun-10	4169.66	19.82306	155.47998	boulder/cobble	1 immature	RE, SM, LE, CI
							1 Total	
025	Pu'u Hau Oki	3-9-Jun-10	4151.38	19.82608	155.47586	cobble slope 15% slope	7	RE, SM, LE, CI
026	Pu'u Hau Oki	3-9-Jun-10	4163.57	19.82593	155.47607	loose cobble/gravel 20% slope	15	RE, SM, LE, CI
008	Pu'u Hau Oki	3-9-Jun-10	4144.37	19.82659	155.47549	crater floor, cobbly/gravel	298	RE, SM, LE, CI
027	Pu'u Hau Oki	3-9-Jun-10	4171.49	19.82659	155.47549	loose cobble/gravel 30% slope	4	RE, SM, LE, CI
028	Pu'u Hau Oki	3-9-Jun-10	4161.74	19.82654	155.47507	loose cobble 30% slope	44	RE, SM, LE, CI
							368 Total	

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029	Pu'u Wēkiu, inner slope	3-9-Jun-10	41.95.57	19.82158	155.46893	cobble/ gravel inner slope, 30%	46	RE, SM, LE, CI
030	Pu'u Wēkiu, outer slope	3-9-Jun-10	4214.16	19.82126	155.46812	cobble/sm. boulders outer slope 30%	9	RE, SM, LE, CI
031	Pu'u Wēkiu, nr. tower	3-9-Jun-10	4225.44	19.82054	155.46799	flat summit, cobble/cinder	11	RE, SM, LE, CI
032	Pu'u Wēkiu, inner slope	3-9-Jun-10	4215.38	19.81999	155.46806	mostly cobble/gravel/sand, scattered boulders, slope 10%	1	RE, SM, LE, CI
033	Pu'u Wēkiu, outer slope	3-9-Jun-10	4207.46	19.81913	155.46802	just off ridgeline, fairly flat, cobbly surface	1	RE, SM, LE, CI
034	Pu'u Wēkiu, outer slope	3-9-Jun-10	4186.43	19.81848	155.46906	boulders/cobbly outer slope on Hau Kea side	27	RE, SM, LE, CI
035	Pu'u Wēkiu, inner crater 2/3 down	3-9-Jun-10	4158.69	19.81917	155.47017	inner slope, mostly cobble, some boulders	387	RE, SM, LE, CI
036	Pu'u Wēkiu, crater floor	3-9-Jun-10	not recorded	19.81927	155.46980	crater floor, mostly cobble	960	RE, SM, LE, CI
037	Pu'u Wēkiu	3-9-Jun-10	4177.59	19.82050	155.46971	inner slope 20%, mostly cobble	0	RE, SM, LE, CI
038	Pu'u Wēkiu	3-9-Jun-10	4183.38	19.82116	155.46945	side slope 15%, mostly cobble	0	RE, SM, LE, CI
							1442 Total	
Poi 121	Poi Bowl - right behind Keck	4-10-Jun-10	4168.00	19.82563	155.47490	small cinder	1	RE, SM, LE, CI
Poi 122	Poi Bowl	4-10-Jun-10	4153.00	19.82536	155.47479	small cinder	0	RE, SM, LE, CI
Poi 123	Poi Bowl - mid-way down	4-10-Jun-10	4144.00	19.82502	155.47472	steep cinder cone	0	RE, SM, LE, CI
Poi 124	Poi Bowl	4-10-Jun-10	4123.00	19.82447	155.47495	loose cinder	1	RE, SM, LE, CI
Poi 125	Poi Bowl	4-10-Jun-10	4105.00	19.82393	155.47501	cinder cone, lowest point	623	RE, SM, LE, CI
							625 Total	

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Trap Number	Locality	Date	Elevation in meters	GPS (N)	GPS (W)	Habitat	Number of Wēkiu bugs	Collectors
VLBAN 100	Pu'u N. VLBA	3-9-Jun-10	3776.00	19.80279	155.45695	cinder, lowest part of cone	4	RE, SM, LE, CI
VLBAN 101	Pu'u N. VLBA	3-9-Jun-10	3818.00	19.80312	155.45805	cinder non-glaciated	1	RE, SM, LE, CI
VLBAN 102	Pu'u N. VLBA	3-9-Jun-10	3860.00	19.80325	155.45695	cinder/large boulders	0	RE, SM, LE, CI
VLBAN 103	Pu'u N. VLBA	3-9-Jun-10	3858.00	19.80358	155.45909	cinder/large boulders	1	RE, SM, LE, CI
VLBAN 104	Pu'u N. VLBA	3-9-Jun-10	3864.00	19.80379	155.45935	cinder top of VLBA	0	RE, SM, LE, CI
							6 Total	
VLBAS 105	Pu'u S. VLBA	3-9-Jun-10	3770.00	19.79994	155.45564	cinder cone	78	RE, SM, LE, CI
VLBAS 106	Pu'u S. VLBA	3-9-Jun-10	3786.00	19.79963	155.45563	boulder/cinder	252	RE, SM, LE, CI
VLBAS 107	Pu'u S. VLBA	3-9-Jun-10	3811.00	19.79901	155.45518	cinder cone summit	9	RE, SM, LE, CI
VLBAS 108	Pu'u S. VLBA	3-9-Jun-10	3809.00	19.79919	155.45558	cinder cone summit	5	RE, SM, LE, CI
VLBAS 109	Pu'u S. VLBA	3-9-Jun-10	3806.00	19.79904	155.45505	cinder/large boulder	0	RE, SM, LE, CI
							344 Total	
							3047 TOTAL	