

VKHL - Kahului Beach
Near Hobron Point

Date 1st used	KAHULUI BEACH , NEAR HOBRON POINT VKHL		Survey Dates									
			1/9/95	9/3/95	2/21/96	8/11/96	1/8/97	6/29/97	1/7/98	7/9/98	1/12/99	7/1/99
1/9/95	RP# 1**	PK nail in ironwood tree	RP1	RP1	BRP	BRP	BRP	FRP	FRP	FRP	FRP	FRP
6/29/97	RP# 2	PK nail in "W" of bushes mauka of RP1	-	-	-	-	-	*BRP	BRP	BRP	BRP	BRP
1/8/97	RP# 3*	X-divot 2" from NE edge of rockwall	-	-	-	-	-	*SRP	SRP/GPS1	SRP	-	SRP
1/9/95	RP# 4	PK nail at base of makai ironwood tree	RP2	RP2	FRP	FRP	FRP	gone	-	-	-	-
1/9/95	RP# 5	Divot on squarish basalt boulder	RP3	RP3	(F)SRP1	-	-	-	-	-	-	-
1/9/95	RP# 6	Center top of triangular boulder in groin	RP4	RP4	(B)SRP2	-	-	GPS2	-	-	-	-
	Start of Line		swale bhd. RP1	-	behind RP	1m behind RP	RP1	in front of BRP	at BRP	near BRP	near BRP	?
	Bearing		210	-	-	-	211	197	189	174	171	175

location:	From Kanaha Beach, go right on coastal road (route #36). Turn right onto Amala Place (past wastewater plant, before refinery; name not visible from coastal road). Follow road to pond; turn right after pond. Park at boulders blocking road: see groin in front: Follow dirt road (walking) to the right, past private property sign on tree. Go to big ironwood at scarp, almost directly landward of 1st set of 2 pylons in water		
LINE-UP	SETUP=just north of FRP; SOL = directly in front of RP2, on ground		
Horizontal Ref:	Yellow light pole to N, closest to		
RP# 1	Makai side of ironwood tree that is 2m behind RP2 heading south, about 6" up? landward of middle of beach, westernmost ironwood along road seaward of pond? PK nail almost invisible, in small crevice in base of ironwood tree.		
RP# 2	PK in "v" of tall bushes immediately landward of RP1, about 10-12" up from ground		
RP# 3	x-divot 2" from NE edge of rock wall, on top of wall on rocky groin		
RP# 4	PK at base of seaward ironwood tree, about 3" up?		
RP# 5	7" from seaward corner of flattish and squareish basalt boulder, 5-10m back from seaward end of groin		
RP# 6	1.5m seaward of landward end of groin in center top of triangular boulder		
GPS	VKL1 = temporary point, mauka online. GPS1 EDM points 60-67 (1/8/95)		
GPS	VKL2 = temporary point, makai online. GPS2 EDM points 20-24 (1/8/95)		
GPS	VKHL = Offline RP, on mauka side of groin. (1/9/95).		
GPS1	RP3, KHL1 (7/97). Divot in east end of rock wall; new SRP		
GPS2	RP6, KHL2 (7/97); maybe GPS'D in 1/95; not EDM'd in 1997. PK nail in mauka triangular rock on groin; previously BSRP; may have been 1/95 RP4; 2/96 BSRP2		
NOTES:	Revetement may have been built up between 08-96 and 01-97		
1/8/95	GPS Survey. VKL1, VKL2		
1/9/95	GPS Survey. VKHL		
6/29/97	old frp tree is now lying on the beach		
7/8/97	GPS Survey. KHL1, KHL2		
	GPS Positions	Longitude	Latitude
	KHL1	-156.460556	20.897100
	KHL2	-156.460602	20.897163
			Elevation (meters above local tidal datum)
			2.987
			3.124
	*Primary GPS for elevation control: GPS1, KHL1, RP3 (7/97) = 2.987		
	**Primary reference point; RP1/FRP = 4.232		