

VFLM - Fleming Beach Park
Kapalua Bay

Date 1st used	FLEMING BEACH PARK: KAPALUA BAY VFLM		Survey Dates Used									
			1/6/95	9/4/95	2/20/96	8/12/96	1/9/97	7/7/97	1/13/98	7/7/98	1/13/99	6/28/99
1/6/95	RP# 1 **	PK nail on flag 1.5' seawards of palm tree	RP1	RP4	BRP	BRP	BRP	BRP	BRP	BRP	BRP	BRP
9/4/95	RP# 2	Base of NW corner of square concrete lightpost	-	*New RP3	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP
9/4/95	RP# 2a	NW corner of square concrete lightpost	-	RP3	-	-	-	-	-	-	-	-
2/20/96	RP# 3	PK nail at 3rd crack	-	-	SRP1	SRP	SRP	SRP	-	SRP	SRP	SRP/RP3
1/6/95	RP# 4	Top/center of 5th lightpost north of RP2	RP4	RP1	SRP2	SRP2	-	-	-	-	-	-
1/6/95	RP# 5	Top/center of light cover at RP2	RP2	RP2	-	-	-	-	-	-	-	-
	Start of Line		-	RP2	RP2?	?	BRP	on.BRP	at.BRP	Base.BRP	Indw.edg.path	AT.FRP
	Bearing		-	255	-	255	255	255	297	295	292	296

location: From VHON: Right at top of hill leading from VHON. Go right at sign to Kapalua. Left at base of hill. Right at Sea House Restaurant. (if you get to Napili Kai Beach Club you've gone too far).
Park to right in lot. Go down stairs, under tunnel, down path to right behind beach

LINE-UP
In opening in fence hedge, north of line

Horizontal Ref: Snack bar where two white roof beams meet in V-shape

RP# 1 Clearly marked PK on flag, 1.5 ft on seaward side of palm tree, 3.5m seaward of landwardmost hedge

RP# 2 Base of NW (seaward) corner of square concrete block of lightpost immediately seaward of palm (9th lightpost from South entrance, heading North)

RP# 2a Top of? (surveyed only 9/95)NW (seaward) corner of square concrete block of lightpost immediately seaward of palm (9th lightpost from South entrance, heading North)

RP# 3 PK 10-12" from landward side of path at 3rd crack and 1st lightpost south of RP2

RP# 4 Top center of 5th lightpost (1st with square concrete base) north of RP2

RP# 5 Top center of black plastic light cover at RP2

GPS1a VFLM; temp RP online in grass (1/6/95)

GPS2a VFL2: temp RP online in grass (1/6/95)

GPS1 FLM1: PK in seaward intersection of 4th crack in path tiles north of lightpost at FRP (7/7/97)

GPS2 FLM2: PK in corner of rocks, north of 2nd Kiawe tree of 3 alongside North edge of Napili restaurant "sea house", 13m seaward on dirt path from palm tree/concrete path, 22m from top of steps on seaward dirt path (7/7/97)

NOTES: Unclear; which RP3 was used initially.

1/6/95 GPS Survey

7/7/97 GPS Survey

GPS Positions	Longitude	Latitude	Elevation (meters above local tidal datum)
FLM1	-156.667130	20.998692	3.65
FLM2	-156.666229	20.999250	3.656

*Primary GPS for elevation control; GPS1, FLM1 (7/97) = 3.65
**Primary reference point; RP1/BRP = 4.755