

OWMA - Waimea Bay

Date first used	Waimea Bay OWMA 1-1		Survey Dates											
			8/10/1994	1/16/1995	9/14/1995	3/29/1996	8/22/1996	3/2/1997	8/6/1997	12/29/1997	7/21/1998	1/29/1999	7/9/1999	
8/10/1994	RP#1 **	"Y" tree (RP1)	RP1	RP1	RP1	*RP1	FRP	FRP	FRP	FRP	FRP	FRP	LOST	-
8/10/1994	RP#2 *	Concrete circle floor of picnic table	RP2	RP2/GPS1	RP2	*RP2/GPS1	SRP/GPS	GPS1	SRP	GPS	GPS	GPS	SRP	???
8/10/1994	RP#3	Palm near parking lot (RP3)	RP3	RP3	RP3	*RP3	BRP	BRP	BRP	BRP	BRP	BRP	BRP	???
8/10/1994	RP#4	Nail in parking curb	RP4	-	-	RP4	-	-	-	-	-	-	-	???
8/10/1994	RP#5	Nail in sidewalk near handicap parking	RP5	RP5/GPS2	RP5	-	-	-	-	-	-	-	-	-
1/29/1999	RP#6	Stump of former RP1	-	-	-	-	-	-	-	-	-	-	FRP*	-
	bearing		289°	-	-	289°	-	290°	-	300°	300°			
	start of line		RANDOM	pkg.lot	BRP.TREE	curb	BRP.TREE	BRP.TREE	BRP.TREE	BRP.TREE	BRP.TREE	AT.BRP	NEAR.FRP	
* = new pk nail or other marker														
LOCATION:	East end of parking lot at Waimea Bay Beach Park.													
LINE UP:	Profile line is ~10-15m E of lifeguard tower. The lineup is a palm tree near parking lot almost directly E of handicap access and a bent tree in the middle of grassy area ~11m E of picnic table.													
RP#1:	PK Nail on flag 10cm up from base of "Y" tree in "Y". 9/95, E limb of "Y" cut off at "Y". Tree is ~ 50m E of lifeguard tower.													
RP#2:	PK Nail in crack at seaward edge of concrete platform under picnic table 11m NE of FRP													
RP#3:	PK Nail on flag 10cm up on seaward side of palm located 42m SSW of RP2 picnic table and 100m SSE of lifeguard tower.													
RP#4:	Nail in crack on parking lot curb 0.3m from corner of curb parallel to parking space and curb perpendicular to parking space forming a parking space "island". This island is the next island SE of the handicap parking island.													
RP#5:	Nail on sidewalk flanking north side of parking lot 1m north of Handicap access to beach park.													
RP#6:	Nail? Or center? Of stump of former RP#1													
GPS1	WMA2 = RP2; picnic bench in grassy area													
GPS2	WMA1 = RP5; on sidewalk near parking lot													
NOTES:														
1/16/95	GPS Survey. WMA2, WMA1 Survey for Rob Holman's camera system													
3/29/96	Beach Mapping Survey for Mark Merrifield													
1/29/99	FRP tree cut down, so RP is nail in stump; vertical difference is -0.212m as calculated relative to RP2 on 1/16//95													
7/9/99	Unclear which RPs used; distances and elevations are not correct.													
GPS Positions (Adjusted)														
			Longitude	Latitude	Elevation (meters above local tidal datum)									
	WMA1		-158.062515	21.639557	6.399									
	WMA2		-158.062622	21.63995	6.561									
*Primary GPS for elevation control; RP2/WMA2/GPS1 = 6.561														
**Primary reference point; RP2/SRP = 6.561														