

OCEM - Camp Erdman

Date 1st used	Camp Erdman OCEM		Survey Dates											
			8/11/94	1/17/95	9/13/95	3/4/96	8/22/96	3/2/97	8/6/97	12/29/97	7/21/98	1/29/99	7/9/99	
8/11/94	RP#1	Nail, SWD road, offline	SRP#1	SRP1	SFRP	SRP	N/A	-	-	-	-	-	-	
8/11/94	RP#2*	Nail, LNDWD road, offline	SRP#2	SRP1	SRP2	-	-	-	-	-	-	-	-	
8/11/94	RP#3	Nail, SWD road, online (on asphalt)	RP3/FRP	FRP3	FRP3	-	N/A	-	-	-	-	-	-	
8/11/94	RP#4 **	PK, LNDWD road, online	BRP	BRP4	BRP	-	N/A	-	-	-	-	-	-	
8/11/94	RP#5	Nail in tree	SRP#5	-	-	-	N/A	SRP	SRP	SRP	SRP	-	???	
8/11/94	RP#6	PK, SWD road, online (near RP#3)	FRP	-	-	FRP	N/A	FRP	-	-	-	-	-	
4/3/96	RP#7 ***	PK, LNDWD road, on white line	-	-	-	*BRP	N/A	BRP	BRP	BRP	BRP	BRP	BRP?	
8/6/97	RP#8	PK, SWD road, on white line	-	-	-	-	N/A	-	*FRP	FRP	FRP	FRP	FRP?	
8/6/97	RP#9	PK, LNDWD road, on white line	-	-	-	-	-	-	SRP2	SRP	-	SRP	???	
	Start of Line line used bearing		Indwd.edge.rd	swd.rd		swd.edge.rd	N/A	Indwrd.edge.rd	BRP	BRP	Indwd.rd	AT.FRP	GRASS	
				A	A	A	B	N/A	B	A	A	A		
			312°			328°	N/A	330°	310°	310°	308.5°			
* = new nail installed														
<b>LOCATION:</b>	2.7mi west of polo fields and 1.4 mi west of restroom at Mokuleia Beach Park on Farrington Hwy. (930). 0.1 miles W of end of green cyclone fence at airport													
<b>LINE-UP</b>	East edge of tall curved Ironwood? tree on plain (near phone wires) and West edge of bushes or group of trees on Mountain top profile (2nd bench).													
<b>RP#1</b>	Nail on seaward side of Farrington Hwy, 18m West of FRP.													
<b>RP#2</b>	Nail on landward side of Hwy, 13m West of BRP, centered across from driveway, a little left of center of 4 road turtles, 3 inches outside of white line													
<b>RP#3</b>	rusty nail on seaward side of road, online, about 7 inches outside of white line. nail is directly seaward of 3rd turtle E in set of 4 east of asphalt pullout.													
<b>RP#4</b>	PK is 25' E of E side of pullout, which is on seaward side of road.													
<b>RP#5</b>	PK nail on landward side of Hwy 930 across from RP#3, 13m E of RP#2. nail is 2 inches outside of white line midway between 1st set of turtles													
<b>RP#6</b>	E of asphalt pullout and next-E reflector.													
<b>RP#7</b>	Nail at 1.25 - 1.4m on WSW side of Hau Tree 50 m east of line on beach 3 cm above branch cut-off, under a fold in trunk. Nail is the only one sunk in flush													
<b>RP#8</b>	with bark and whose flat top is horizontal.													
<b>RP#9</b>	PK nail on seaward side of road, 7 inches from RP#3 in middle of white line. PK is 8m east of asphalt pullout													
<b>GPS</b>	PK nail on landward side of road in middle of white line. nail is 5m E of FRP, directly across the road from it, there is a paint line 2.5m E of this point.													
<b>GPS</b>	PK nail on flag on asphalt, seaward side of road just west of westernmost turtle of set to E of pullout; b/w turtle and reflector													
<b>GPS</b>	PK nail on flage on white line, in line with westernmost turtle opposite asphalt pullout.													
<b>GPS</b>	ERD1: RP2?: Mauka road PK nail, put in by someone else, about 1.2m east of our nail													
<b>GPS</b>	ERD2: RP1; Makai road													
<b>GPS</b>	CEM1: RP6; PK, SWD road, online (near RP#3)													
<b>GPS</b>	CEM2: RP4; PK, LNDWD road, online													
<b>NOTES:</b>														
<b>1/17/95</b>	GPS survey, points on road, but unclear as to which RPs. (ERD1 AND ERD2)													
<b>2/27/96</b>	GPS survey													
<b>12/3/97</b>	There appear to be 2 lines taken along OCEM1-1. Line 1A is diagonal across Hwy930; the FRP and BRP are offset.													
	Line 1B is straight across the road, through the vegetation. The FRP and BRP are directly across from one another.													
<b>7/9/99</b>	No RPs numbers identified													
	GPS Position Latitude Longitude Elevation (meters above local tidal datum)													
	ERD1	-158.214478	21.579433	4.814										
	ERD2	-158.214722	21.579428	4.68										
	*Primary GPS for elevation control; ERD1-Jan95 (proxy for CEM2 Mar96) = 4.814													
	**Primary reference point Aug94 to Mar9: RP4/BRP (ERD1) = 4.814													
	***Primary reference point Mar96 on: RP7/BRP (ERD1) = 4.814													