

VNKP - North Kaanapali
(North Black Point)

Date 1st used		NORTH KAAPALI (N. BLACK POINT) VNKP 1	Survey Dates				GPS		TARGETS			
			9/6/95	2/19/96	8/13/96	1/9/97	7/7/97	1/13/98	6/11/98	7/8/98	1/13/99	6/28/99
VNKP1-1												
9/6/95	RP1	PK nail on flag on N side of path	BRP	BRP	BRP1	BRP1	brp1	BRP1/rp1	BRP	MRP	-	BRP
9/6/95	RP2 **	PK nail in 3rd crack	FRP	FRP	FRP1	FRP1	frp1/gps2	FRP/rp2	FRP	FRP	FRP	FRP
1/9/97	RP2a	PK nail on flag in crack near bathroom	-	-	-	-	-	*brpnew/rp2a	-	BRP	BRP	-
5/1/00	RP6	PK in 3rd tree mauka of beach on south side	-	-	-	-	-	-	-	-	-	-
5/1/00	RP7	PK in 2nd tree mauka of beach on north side	-	-	-	-	-	-	-	-	-	-
5/1/00	RP8	PK in palm tree closest to beach on south side	-	-	-	-	-	-	-	-	-	-
	Start of Line		-	-	BRP	swd.rp2	BRP	at new brp	at BRP	on FRP	swd edge strct.	EB
	Bearing		-	-	-	270	-	281	278	277	278	-
VNKP1-2												
2/19/96	RP3 **	PK nail in "V" of kiawe tree	-	SRP1	FRP2	FRP2	RP2	RP3	-	RP3	RP	RP
	Start of Line		-	-	-	BRP	at RP	at RP	-	base of rp	middle road	at RP
	Bearing		-	-	262	262	-	262	-	265	277	277
VNKP1-3												
2/19/96	RP4	Top/center of 12th square fence post	-	-	*BRP3	BRP3	BRP3	BRP3	-	BRP3	BRP3	BRP3
2/19/96	RP5 **	PK nail in "L" of kiawe tree	-	*SRP2	FRP3	FRP3	FRP3	FRP3	-	FRP3	FRP3	FRP3
	Start of Line		-	-	BRP	BRP	-	at BRP	-	at BRP	swd edge fence	swd edge sdwk.
	Bearing		-	-	255	-	-	270	-	269	265	268
* = new PK nail or other marker												
LOCATION:	Heading E on Route 30. Right onto Puukoli'i Road at "Kaanapali Resort" sign. Follow drive to right; enter Ali'i Kahekili Nui-ahumanu Beach Park											
LINE-UP1.1												
LINE-UP1.2	Seaward of RP?											
LINE-UP1.3	Base of fence?											
Horiz. Ref:	N(left) peak of roof of pavilion											
RP1	PK nail on flag on N side of path, in crack in middle of path that spans entire path between sides of pavillion											
RP2	PK nail in 3rd crack before intersection (plaque) of boardwalk and beach											
RP2a	PK on flag in crack where concrete path meets concrete platform around bathroom area; notes: BRP new											
RP3	PK nail at 1.2m in "V" of kiawe tree located 150m to N from the King Kahelili plaque											
RP4	Top/center of 12th small square fence post south of 2nd square concrete pillar along fence on south side of grass park (painted pink @ base) (16th=big, round post)											
RP5	Follow concrete path S. PK nail in "L" of kiawe tree (bottom half of L looks cut off). Tree is located directly seaward from the 2nd concrete post in fence surrounding big grassy area.											
RP6	PK in 3rd tree back from beach on the south side 1.5 meters high											
RP7	PK in 2nd tree back from beach on the north side 1.5 meters high											
RP8	PK in palm tree closest to the beach on south side 1.5 meters high											
GPS1	GCP point LL8C: Divet in dirt/grass at corner of concrete platform (7/97)											
GPS2	NKP2, RP2 (7/97)											
NOTES:												
7/7/97	GPS Survey. GPS1 = LL8C. GPS2 = RP2 = NKP2											
5/1/00	Cement path was removed. VNKP1-1 was moved 2meters to the north and new RP's (#6-8) were established.											
	GPS Positions	Longitude	Latitude	Elevation (meters above local tidal datum)								
	LL8C	-156.691910	20.936769	4.412								
	NKP2	-156.692520	20.936659	3.344								
	*Primary GPS for elevation control; GPS2, FRP1, NKP2 = 3.344											
	**Primary reference point:											
	Line 1	RP2/FRP = 3.344										
	Line 2	RP3/FRP = 4.154										
	Line 3	RP5/FRP = 3.752										
	~56 cm discrepancy between GPS surveyed points and EDM surveyed points. Potential problem.											
	NKP2 used as primary control because it is on line VNKP1											