## OKWO - Kaiwaloa

<table>
<thead>
<tr>
<th>Date first used</th>
<th>Survey Dates</th>
<th>Kaiwaloa OKWO 1-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/10/94</td>
<td>RP#1 6/11/94</td>
<td>Palm on edge of beach</td>
</tr>
<tr>
<td>8/11/94</td>
<td>RP#2 8/11/94</td>
<td>8th step from top (W/SWD corner)</td>
</tr>
<tr>
<td>8/11/94</td>
<td>RP#3 8/11/94</td>
<td>Palm in yard (61-669 Kam Hwy)</td>
</tr>
<tr>
<td>8/11/94</td>
<td>RP#4 8/11/94</td>
<td>Concrete slab surrounding house</td>
</tr>
<tr>
<td>8/11/94</td>
<td>RP#5 8/11/94</td>
<td>Top Step of 61-661 Kam Hwy</td>
</tr>
<tr>
<td>8/11/94</td>
<td>RP#6 8/11/94</td>
<td>Top Step of 61-669 Kam Hwy</td>
</tr>
<tr>
<td>8/22/96</td>
<td>RP#7 8/22/96</td>
<td>W-SWD corner of bottom step (#9)</td>
</tr>
<tr>
<td>3/2/97</td>
<td>RP#8 3/2/97</td>
<td>E-SWD corner of bottom step (#9)</td>
</tr>
</tbody>
</table>

### Line Number

- **A**: Runs from RP3 tree offshore, lined up with MS
- **B**: Runs from RP3 to RP8--not shore-normal
- **C**: Runs along west side of stairs

### Start of Line

- **base.RP3**: Nail 1m up on NNE side of palm located 4m N of stairs near veg line
- **near.RP3**: Chip on west seaward corner of 2nd step from bottom (8th from top), 2" in diagonally
- **near.RP4**: Nail at 1.5m on seaward side of palm in N side of backyard of 61-669 Kam Hwy.
- **near.BRP**: Landward corner of westernmost edge of concrete slab surrounding #61-667B house, 2m landward of cassarina.
- **ON.RP7**: West landward corner of top concrete step of beach stairs at 61-661 home.
- **ON.RP8**: PK in concrete slab surrounding #61-667B house west of beach stairs/GPS1
- **ON.RP9**: West seaward corner of top step of beach stairs at 61-669 Kam Hwy
- **at.BRP**: West-seaward corner of bottom step of beach stairs (#9) at 61-660 Kam Hwy.
- **PK in concrete slab**
- **NEW.SRP**: PK in concrete slab

### Bearing

- **328°**: Chip on west seaward corner of 2nd step from bottom
- **320°**: Nail at 1.5m on seaward side of palm in N side of backyard
- **318°**: Nail at 1.5m on seaward side of palm in N side of backyard of 61-669 Kam Hwy.

### Notes

1. **Profile line is stairs leading to beach at 61-669 Kam. Hwy. Access beach from 61-667B Kam Hwy., across st. from Meadow Gold**
2. **LINE A**: Runs from RP3 tree offshore, lined up with MS
3. **LINE B**: Runs from RP3 to RP8--not shore-normal
4. **LINE C**: Runs along west side of stairs
5. **RP#1**: Nail 1m up on NNE side of palm located 4m N of stairs near veg line
6. **RP#2**: Chip on west seaward corner of 2nd step from bottom (8th from top), 2" in diagonally
7. **RP#3**: Nail at 1.5m on seaward side of palm in N side of backyard of 61-669 Kam Hwy.
8. **RP#4**: Landward corner of westernmost edge of concrete slab surrounding #61-667B house, 2m landward of cassarina.
9. **RP#5**: West landward corner of top concrete step of beach stairs at 61-661 home.
10. **RP#6**: PK in concrete slab surrounding #61-667B house west of beach stairs/GPS1
11. **RP#7**: West seaward corner of top step of beach stairs at 61-669 Kam Hwy
12. **RP#8**: West-seaward corner of bottom step of beach stairs (#9) at 61-660 Kam Hwy.
13. **GPS1**: OKWL (aka KWL1): RP6, PK nail in crack in sidewalk, 2m west, 0.5m south of grass
14. **GPS2**: KWL2: In sand online

### GPS Positions

- **OKWL**: Long 158.088745, Lat 21.616051, Elev 5.266
- **KWL2**: no position calculated

### Notes:

1. **1/17/95**: GPS survey. Some uncertainty in locations.
2. **7/9/99**: No survey line identified.
3. **7/9/99**: No survey line identified.

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* Primary GPS for elevation control; RP6/GPS1 = 5.266
** Lines A and C: Primary reference point; RP3/BRP = 6.767
*** Line B: Primary reference point RP7/BRP = 5.241 (March 96)