## Waikiki Aquarium

**Survey Dates**

- 8/18/1994
- 1/25/1995
- 9/11/1995
- 8/21/1996
- 3/9/1997
- 8/5/1997
- 12/30/1997

<table>
<thead>
<tr>
<th>Date</th>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/19/1994</td>
<td>RP#1</td>
<td>Army Corps benchmark west wall</td>
</tr>
<tr>
<td>8/19/1994</td>
<td>RP#2</td>
<td>Landward path on 8&quot; wall</td>
</tr>
<tr>
<td>8/19/1994</td>
<td>RP#3</td>
<td>Nail in swd path (online)</td>
</tr>
<tr>
<td>8/19/1994</td>
<td>RP#4</td>
<td>Seaward path on 8&quot; wall</td>
</tr>
<tr>
<td>8/19/1994</td>
<td>RP#5</td>
<td>Army Corps benchmark, S end of wall</td>
</tr>
<tr>
<td>8/19/1994</td>
<td>RP#6</td>
<td>Chip on wall by RP5</td>
</tr>
</tbody>
</table>

**Start of Line**

- BRP

**Bearing**

- 240°

**Location**

- Just north of Natatorium along boardwalk behind Aquarium in Kapiolani Park, Park by San Souci beach.

**Line-up**

- E wall of the white aquarium building where the building meets the fence, and follows a bearing of 060°
- Army Corps BM (1948) north end of aquarium building, in center of low concrete block attached to building.
- Chip, 5cm from edge, in heart-shaped white spot on top of low (20cm) concrete wall below fence, where fence meets building.
- Hard to find nail inline at base of seaward rockwall along boardwalk.
- Divot on top, Indwd side of rock seawall on swd side of boardwalk. Directly E of divot is broken up stone repaired with concrete.
- Army Corps BM at south end of low rockwall fronting water on platform at top of steps. Use stadia rod.
- Chip on top south end of wall before stairs just west of Natatorium, near ACOE BM (RP5)

**GPS1**

- WKK1 (aka WK2A?) = RP5; ACE Benchmark

**GPS2**

- WKK2 (aka WK2B?) = RP3; PK online

**Notes**

- 2/28/96 GPS Survey. WKK1, WKK2

**GPS Positions (Adjusted)**

<table>
<thead>
<tr>
<th></th>
<th>Longitude</th>
<th>Latitude</th>
<th>Elevation (meters above local tidal datum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WKK1</td>
<td>-157.82225</td>
<td>21.26601</td>
<td>-1.931</td>
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<tr>
<td>WKK2</td>
<td>-157.82222</td>
<td>21.265717</td>
<td>-0.240</td>
</tr>
</tbody>
</table>

Note: Large (<2m) difference between EDM and GPS surveyed points. Something wacky with the GPS adjustment.

* Primary GPS for elevation control; RP3/FRP/WKK2 = -0.24
** Primary reference point; RP2/BRP = -0.077