**Plan for tag testing experiment 2 – 15 Feb 2013**

**Preparation for experiments:**

- Only use tags with ID 39xxx for experiments (37xxx tags have a different ping rate)

- Only set up one channel to listen for pings (e.g. channel 1), is seems from pilot experiment that channels may interfere.

- Give test locations a name (e.g. Ho'okele, or red raft) and note GPS coordinates (can be done using the VR100).

- Make sure VR100 time is set correctly (to local time).

- Record background noise by putting hydrophone in water for a few minutes and note the range of the noise level (e.g 30-34 dB). Keep an eye on the background noise during experiments and note if significant changes occur.

**Plan:**

***-- A. Test of tag interference (collisions)***

**- 1.** Approx 1 m from hydrophone, 1 hour, four tags in mesh bag (no cases):

Tag 39193-39196

**- 2.** Approx 1 m from hydrophone, 1 hour, eight tags in mesh bag (no cases):

Tag 39189-39196

**- 3.** Approx 1 m from hydrophone, 1 hour, sixteen tags in mesh bag (no cases):

Tag 39181-39196

If time permits:

**- 4.** Approx 1 m from hydrophone, 1 hour, twelve tags in mesh bag (no cases):

Tag 39185-39196