- Transitioning this mooring design to deeper water increases the chance the buoy will be pulled under, but doesn't pose a survivability threat.

- Estimates are strongly dependent on knowledge of the current magnitudes and profiles at the site.

- Reducing the diameter/weight of the long polyester rope will help.

  Wet Weights

	50 meter	**200 meter**
ESP Can	-200 lbs	-200 lbs
7/8" Polyester (25,400 lbs)	9 lbs	45 lbs
1/2" Polyester (8,800 lbs)	3 lbs	14 lbs
Poly -pro/-olefin	< 0 lbs	< 0 lbs

- Increasing the amount of buoyancy at the top of the ESP bail would also help.

- The main susceptibility of current mooring is to large currents pulling the surface buoy under, wave induced loads are modest. Therefore the buoy systems should be engineered for submergence.

- The behavior of the buoy on the surface due to wind has not been carefully analyzed, but a bail arrangement could be considered to keep the antenna more vertical. (Introduces cable management issues, of course).