NAA and Gamma Counting Project Meeting Notes 2/3/16

* Goal – analyze and assess materials we have been measuring by means of gamma-ray and alpha counting
  + Find composition of samples via NAA
  + Effects in environment and health
    - Compare radiation to regular toxicity
* We have large range of samples (kelp)
  + Kelp absorbs a lot of metals/water, easy to obtain
  + See what’s in kelp from different areas and different times (from Alaska all the way down to Chile)
  + Long Beach is important
    - Industry effects on environment
* Samples of seaweed from northern California
  + Compare NAA with gamma-ray results
* Compare NAA results with counting results
* Find fish or seaweed (other organisms) from bay to see if we can find anything interesting
  + At least 2 samples from the bay to compare with Long Beach
* Gamma-ray Analysis
  + Lots of gamma ray spectra analysis
* May not have comparable fish samples
* Crab?
* Be careful of what we sample
  + Ideally fish meat/muscle
* If comfortable of analysis, publish results and article
  + We apply NAA and other nuclear technologies to determine composition of samples
  + Want it to be publically available on the webpage as a subpage
* Spectra already available
  + Receive data from Keenan and start analyzing
  + Qualitative first, then quantitative
* Do all the samples and analysis together initially
* Build presentation and article as the semester goes
* Do analysis of existing spectra in the coming 2 weeks
* Taking samples for a day