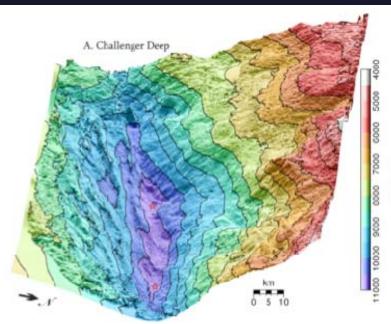
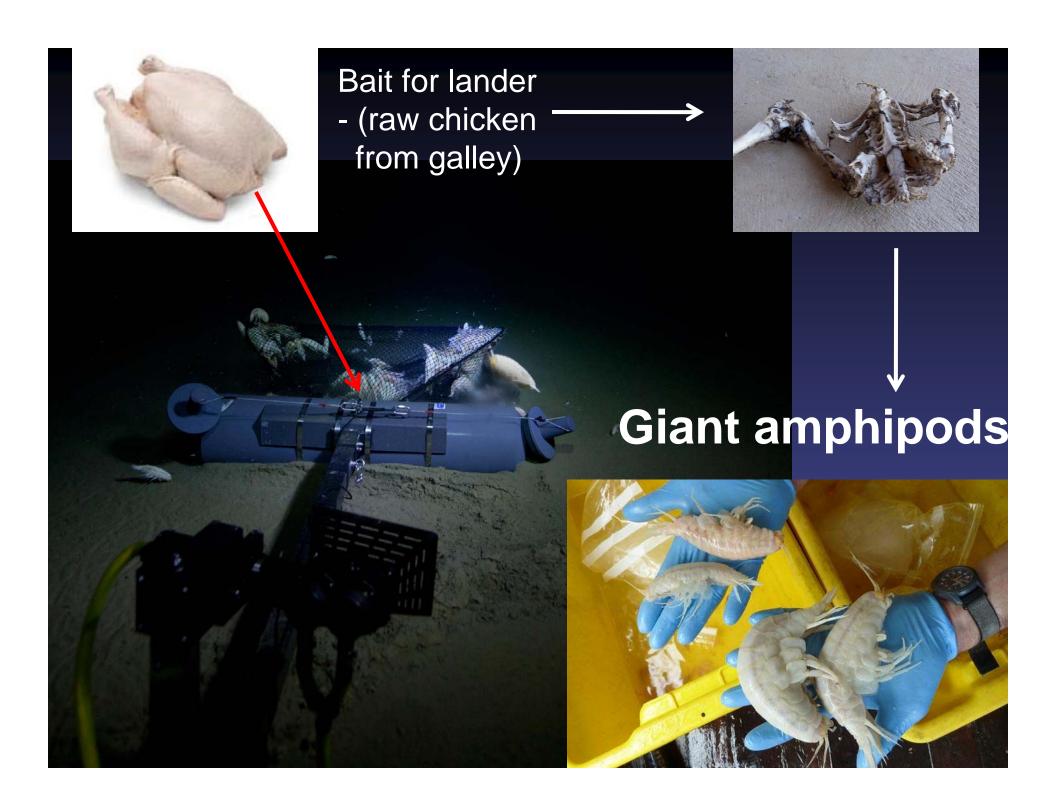
## Why should we care about studying the deep ocean trenches?



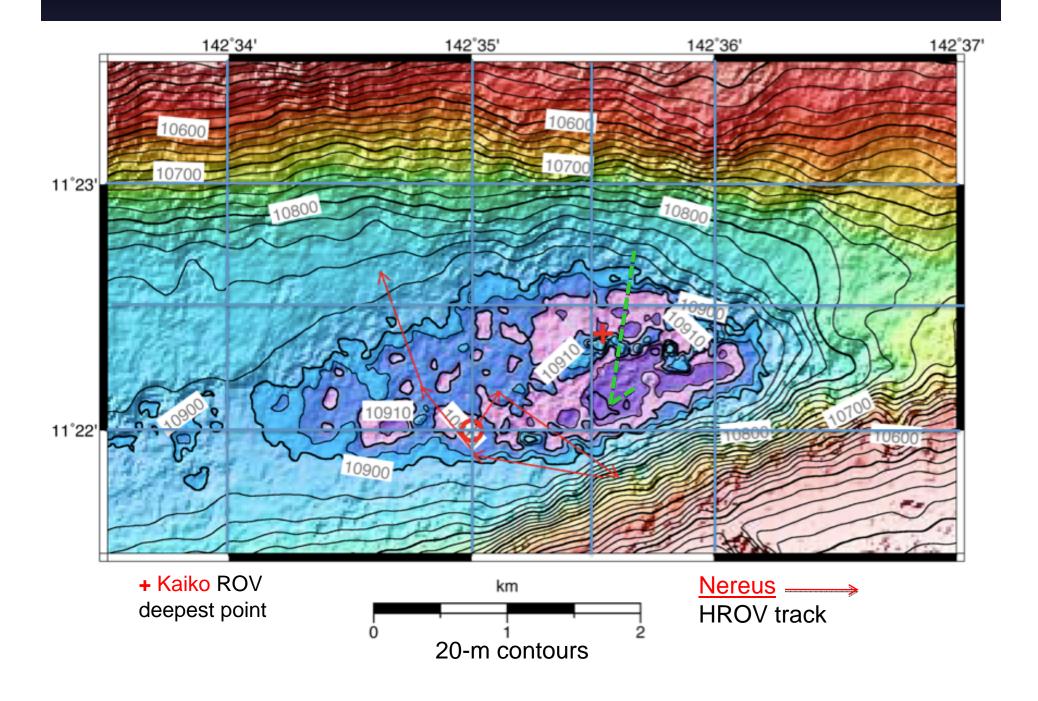




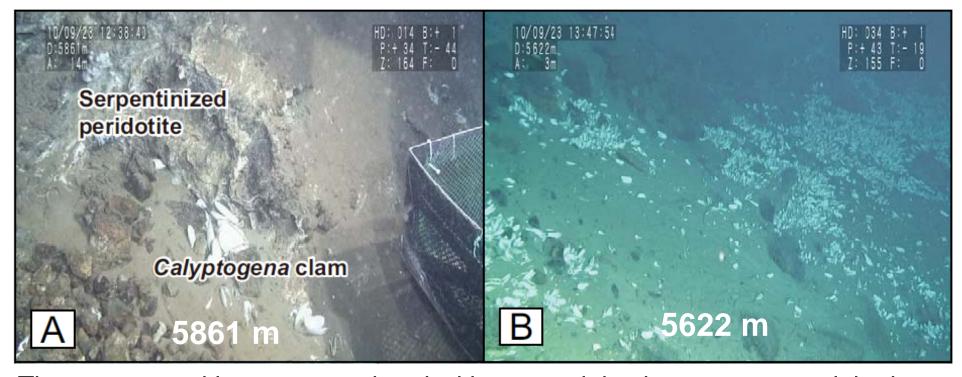




## Mar. 26, 2012, DEEPSEA CHALLENGER, Dive 10 Track



## Shinkai Dive at 143° 3'E - Shinkai Seep Field, Ohara et al. (2012), PNAS



These communities are associated with serpentinization at seeps and the base of the food chain is also likely Archaea.

A question - can Archaea ride the plate down, and inoculate seeps from below?

