1 How do Southern Residents react vocally when in close proximity to orca from another community? Do they become more or less vocally active? Does their call frequency change?

2 Is it possible to distinguish individuals by their vocalizations?

3 When an individual is stranded or beached do either the pod or stranded individual have changes in their vocal patterns?

4 Is there a pattern in the differences that distinguish dialects from one another? If so do these differences only exist in one social level or can it be traced from matrilines to pods to communities?

5 Are there overall patterns in ocra calls? If so do they occur individually, among adolescents vs. adults, males vs. females, daily, seasonally? Do the patterns change during different activities? Do these patterns differ from pod to pod or community to community?