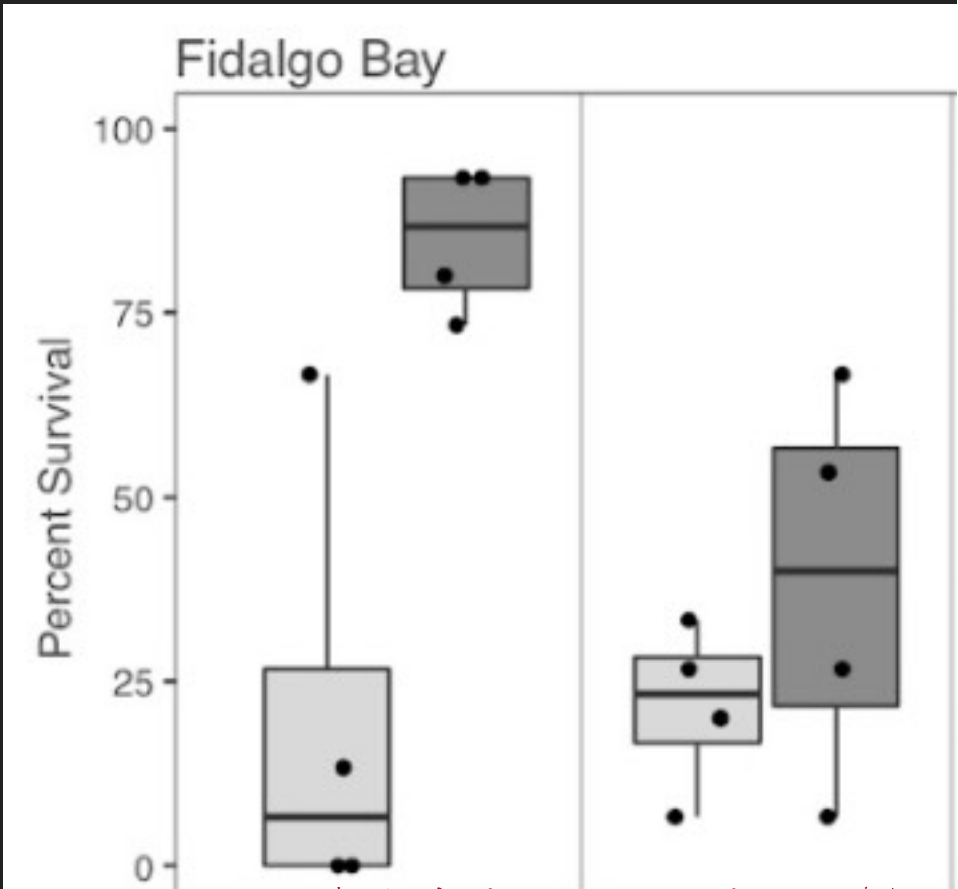
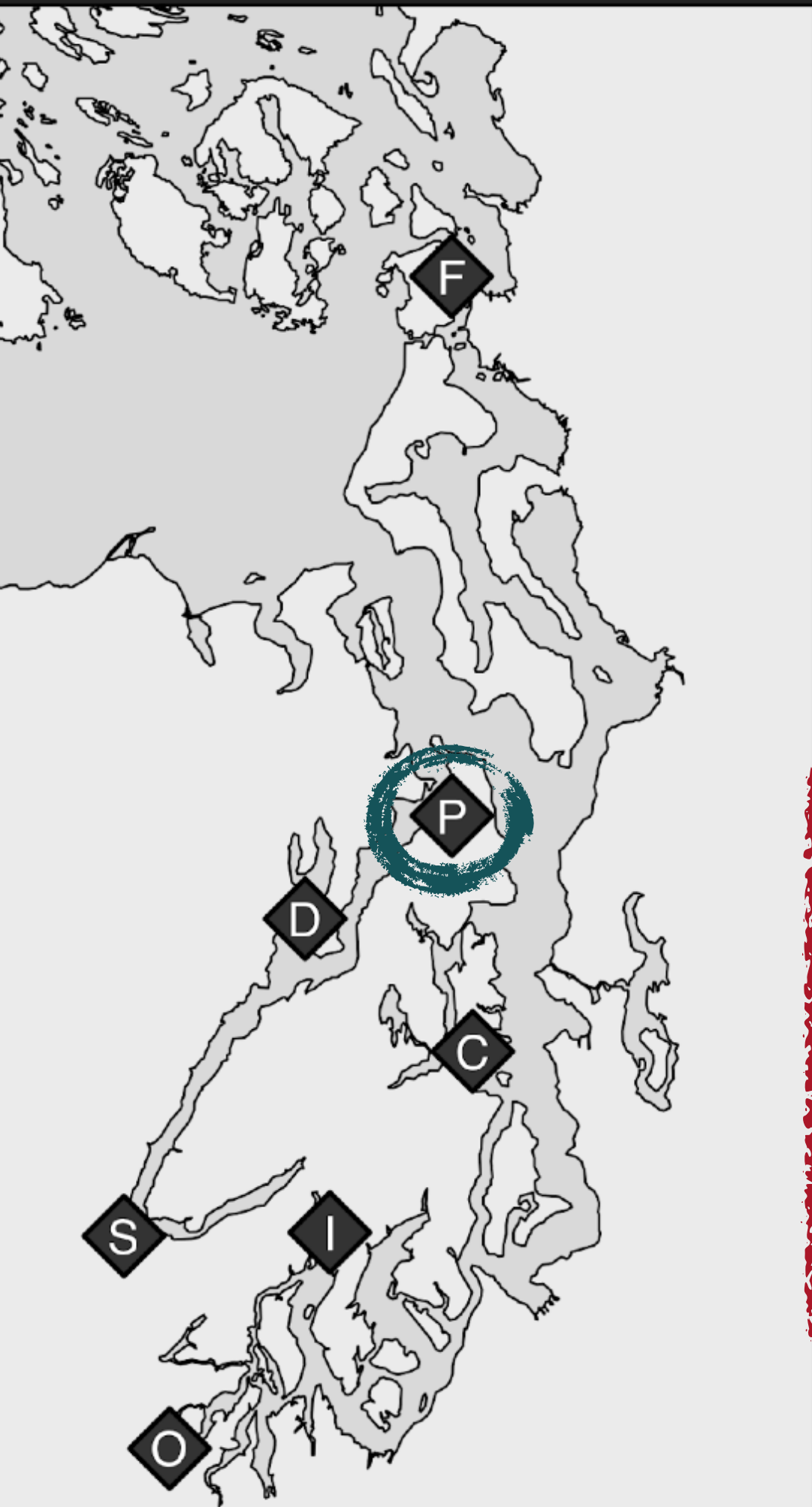
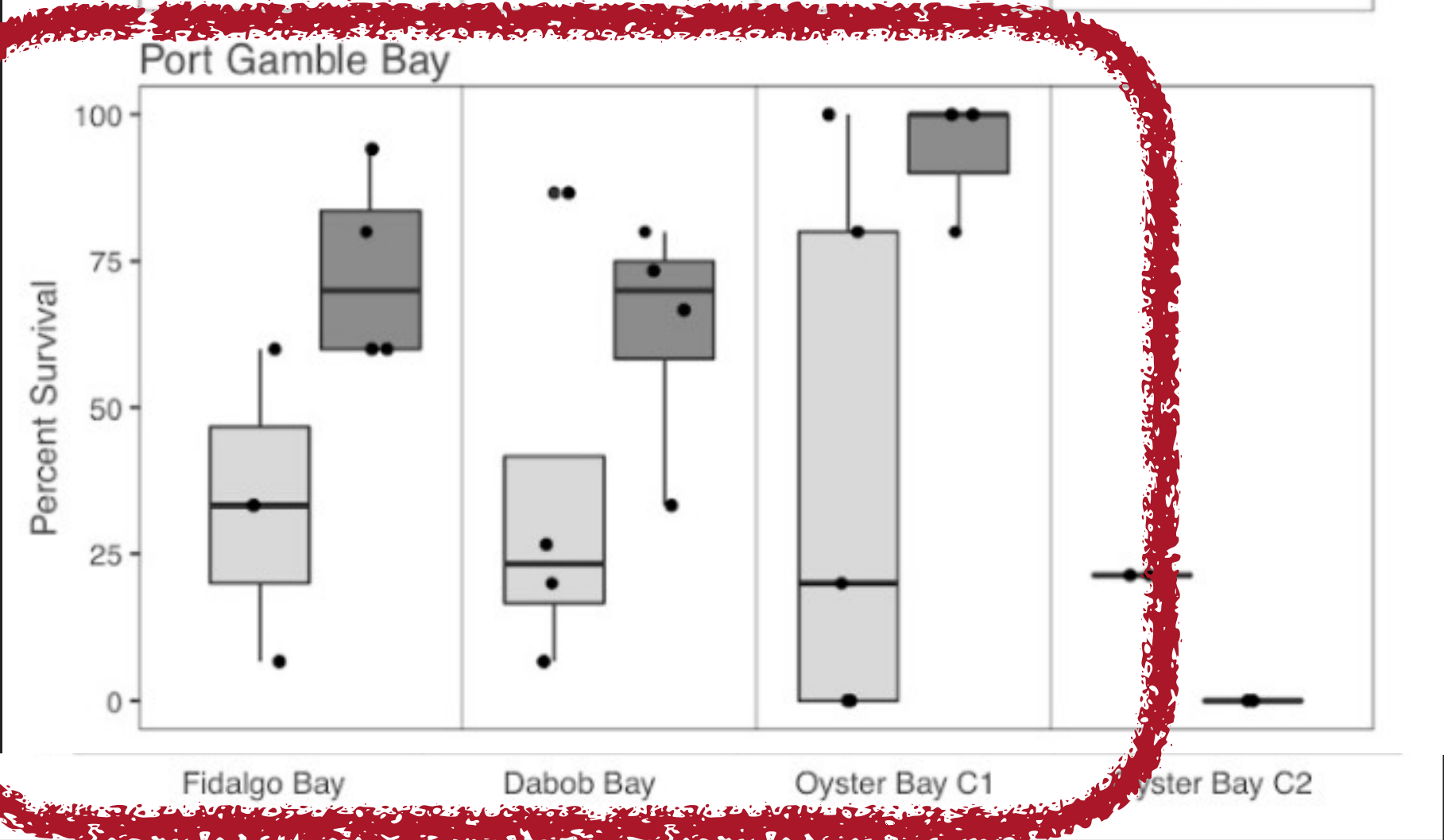


EFFECTS OF OA IN OLYMPIA OYSTER POPULATIONS

Parental pCO₂ Ambient High



	<i>Fidalgo Bay</i>	<i>Port Gamble Bay</i>	<i>Skokomish River Delta</i>	<i>Case Inlet</i>
Temperature (°C)	15.4±1.5	15.0±1.0	16.2±2.7	16.8±1.7
DO (mg/L)	10.6±2.4	10.5±1.9	10.2±3.9	11.2±2.8
Salinity (PSU)	28.5±3.9	31.9±2.0	29.6±1.3	24.6±1.7
pH	8.07±0.15	7.86±0.17	8.01±0.20	8.01±0.16
chlorophyll	227±409	225±145	572±1536	331±613



- ENVIRONMENTAL MEMORY?
- SELECTION

INFLUENCE OF PARENTAL CONDITIONS

- ▶ Selection (various generations)
- ▶ Germ cells are present, thus there could be a direct impact on offspring
- ▶ Maternal provisioning
- ▶ Paternal role?
- ▶ Beneficial versus detrimental
- ▶ *Mechanisms at play*

