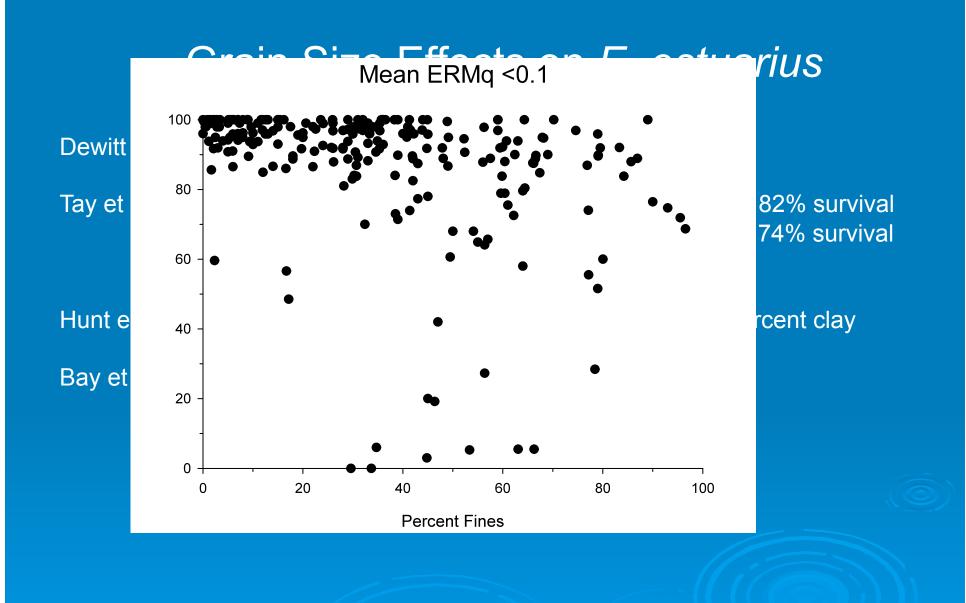
Non-Anthropogenic Chemicals and Non-Contaminant Factors that May Influence Amphipod Survival

RMP Stressor Identification
Workshop

Non-Anthropogenic Chemicals, Non-Traditional Chemicals and Other Factors

- Unionized Ammonia Y (Aeration/pH/zeolite)
- Hydrogen Sulfide Y (Aeration/pH)
- Other Toxins
 - o e.g., Phytotoxins?
 - o Hg, Mn?
 - Non-Traditional Contaminants
 - Anions Y (SPE)
 - Polar Organics ? (LC-MS)
 - Oxidants Y (Na2S2O3)
- Test Organism Health
- Salinity Effects/Acclimation
- Seasonal Health (Control Chart data indicates no obvious_effect)
- Grain Size
- O Percent Fines ?
- Percent Clay -? Particle Shape -?





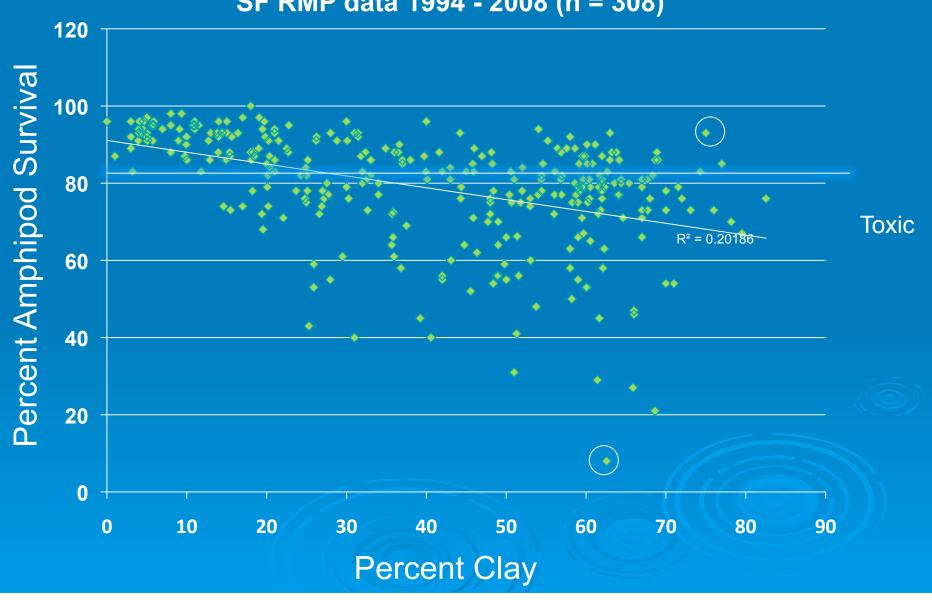


Table 2. *E. estuarius* mean 10d survival in mixture of 75 μm-sieved Salinas River reference sediment (= silt+clay) + sand (MPSL unpublished data).

	<u>Treatment</u>	<u>Mean</u>	(SD)
	10% Fines	92%	(11)
	30% Fines	100%	(0)
	50% Fines	84%	(22)
	700/ Finan	020/	(44)
	70% Fines	92%	(11)
37% of Total			
1993-2008	90% Fines	56%	(17)