

Bay Tree Beach, Seaford  
11-Sep-03

**Abiotic**

Temp.  
Air 23C  
Sand 19C  
Water 20C  
  
Salinity 26/1000  
  
Secchi 50 cm  
  
Weather mostly cloudy, slight sunshine, windy  
  
Tides High=10:39am  
Low=4:42pm

Kristel Trolenberg  
Savasia Stephens

Floristics Scientific N The amount found

Sublittoral

Red Algae *Gracilaria* 2  
Eel grass *Zostera marina*

Littoral

Cord Grass *Spartina* all greater than 20  
Common R *Phragmites* greater than 20

Supralittoral

Choke Cherry *Prunus virginiana* 2

Littorina Data: Peterson's Capture Recapture Method

$$N = M(n+1) / R+1$$

- Where N is population size
- M is original sample size
- Second sample size is n
- Recaptured snails is R
- 11 September 2003
- $N = 236 (242)/7 = 8000$  snails

Seine & Fauna

Number	Scientific Name	Common Name	Location
	<i>Geukensia dimissa</i>	Ribbed Mussels	Tidal pool
	<i>Orchestria grillus</i>	Beach flea (amphipod)	Wrack line
	<i>Uca minax</i>	Red Jointed Fiddler Crab	Tidal pool (near wrack)
	<i>Uca rapax</i>	Fiddler crab	Tidal pool (near wrack)

*Calinectes sapidus*  
*Uca pugnax*  
*Sesarma cinereum*  
*Menidia beryllina*  
*Fundulus similis*

Blue crab  
Fiddler crab  
Fiddler crab  
Bay Silver side  
Longnose killifish

Tidal pool  
Tidal pool (near wrack  
Tidal pool (near wrack  
Tidal pool (in grasses)  
Marsh edge and tidal p

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