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# LITTLE SIPPEWISSETT MARSH



Little Sippewissett is a well-developed marsh and tidal flat system with the tidal inlet somewhat anchored to north shore by a riprap wall and a sand and gravel beach to the south. One significant characteristic of this marsh and the Great Sippewissett Marsh to the north is their relatively pristine, unditched condition. Although much of the drainage area is undeveloped there is considerable development pressure adjacent to these marshes, which could threaten the water quality and lead to vegetation and faunal changes in the marshes. Gunning Point and Flume Ponds are coastal ponds separated from Buzzards Bay by barrier beaches. The ponds are mostly freshwater with inflow via groundwater discharge or groundwater fed surface water flow and run off, however winter storms have occasionally over-washed the beaches evolving the ponds into brackish coastal lagoons. Development in the watershed puts the ponds at risk of eutrophication from high nitrogen loads in the groundwater and runoff from the watershed.

**LSM1**

Lat: 041.737500 E  
Lon: 070.751389 W

Measurements taken from shore,  
wade in at beach inlet

**FLP1**

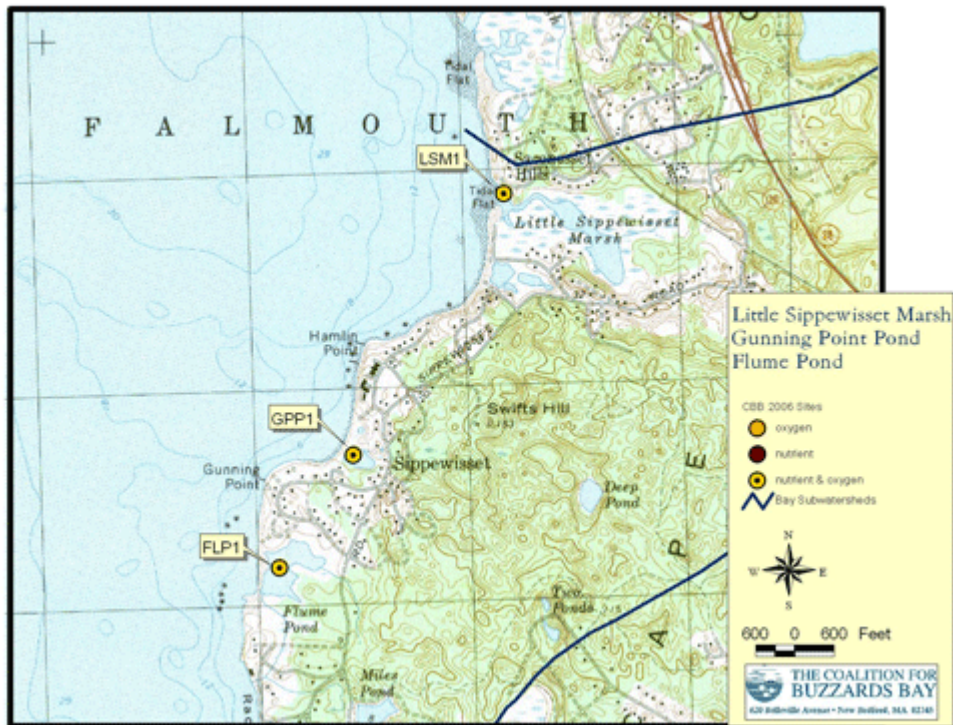
Lat: 041.5617 E  
Lon: 070.6535 W

Measurement taken from shore,  
wade in to pond

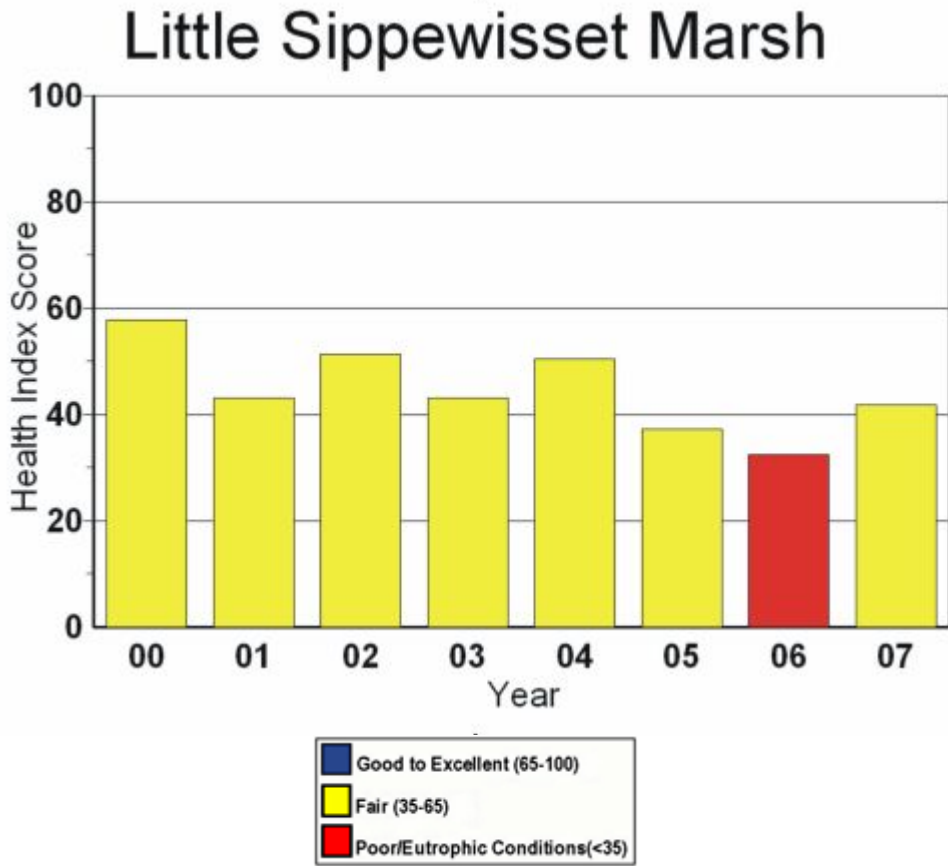
**GPP1**

Lat: 041.576667 E  
Lon: 070.659444 W

Measurements taken from boat in west center of  
pond

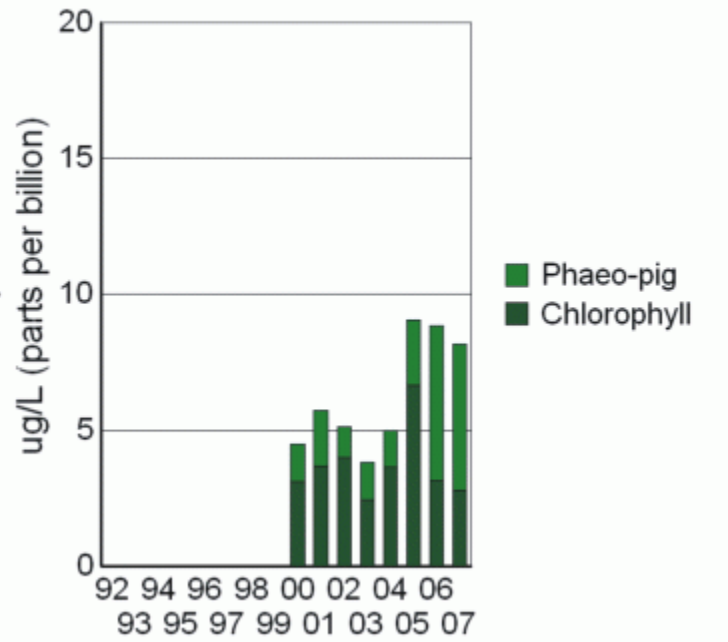


### LITTLE SIPPEWISSETT MARSH - SITE LSM1

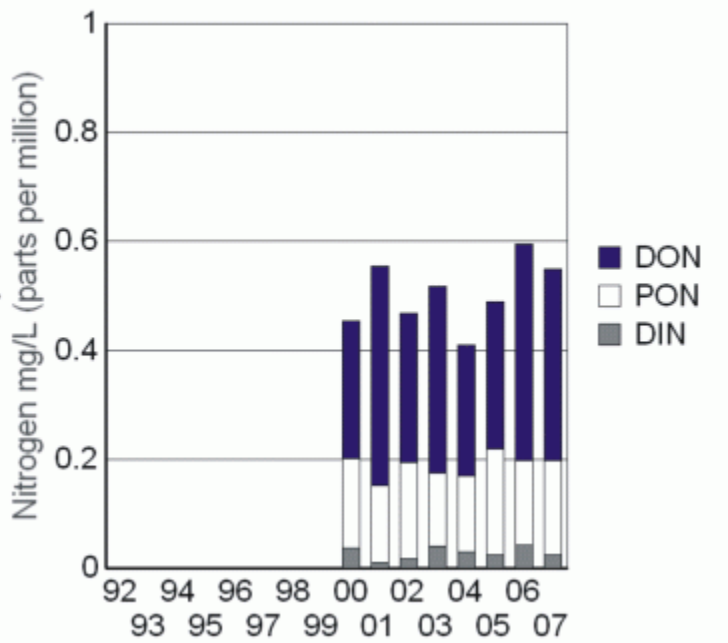


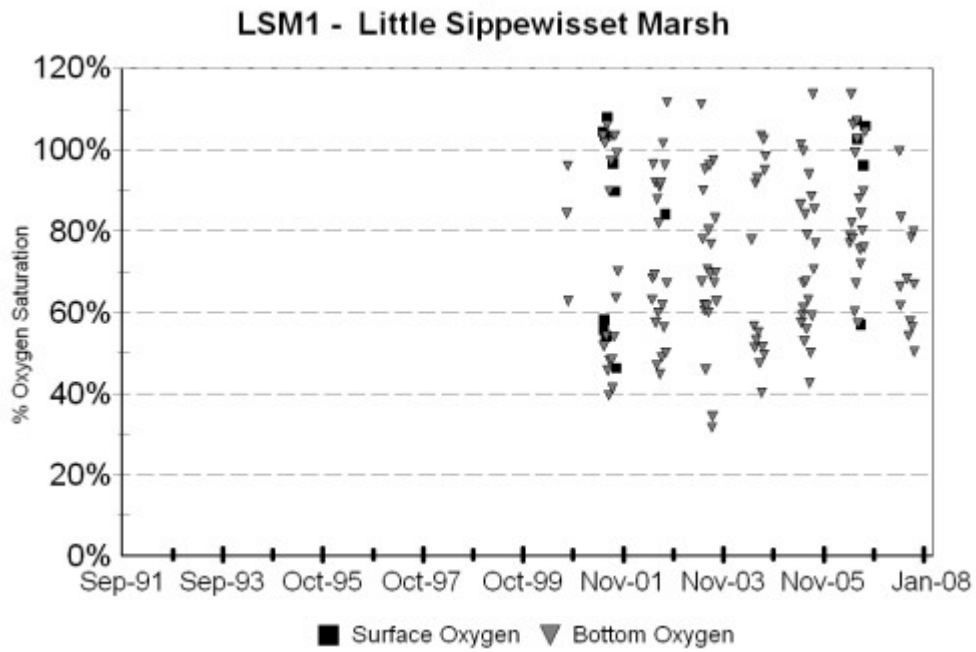
\*The following Chlorophyll and Nitrogen graphs depict summertime averages.

### Little Sippewisset Marsh - LSM1



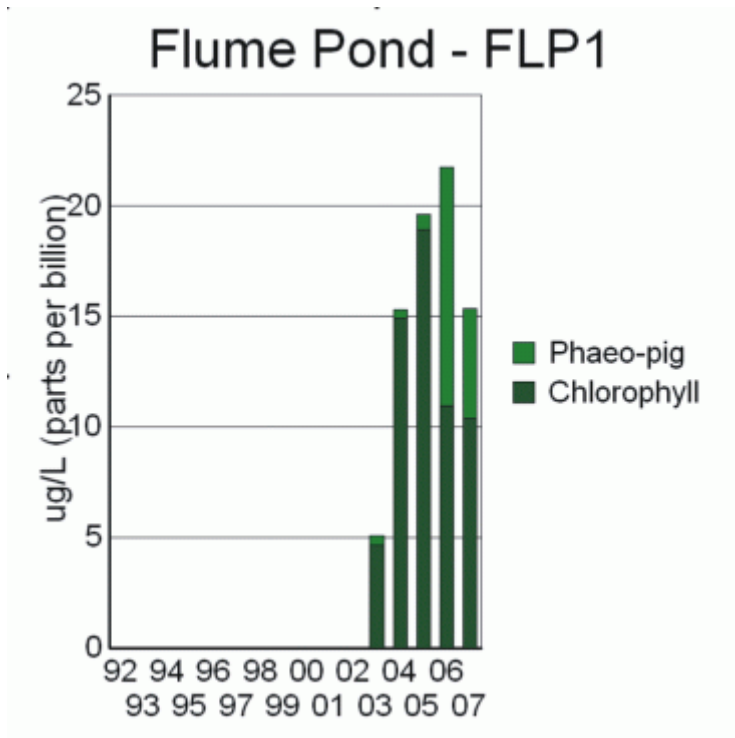
### Little Sippewisset Marsh - LSM1

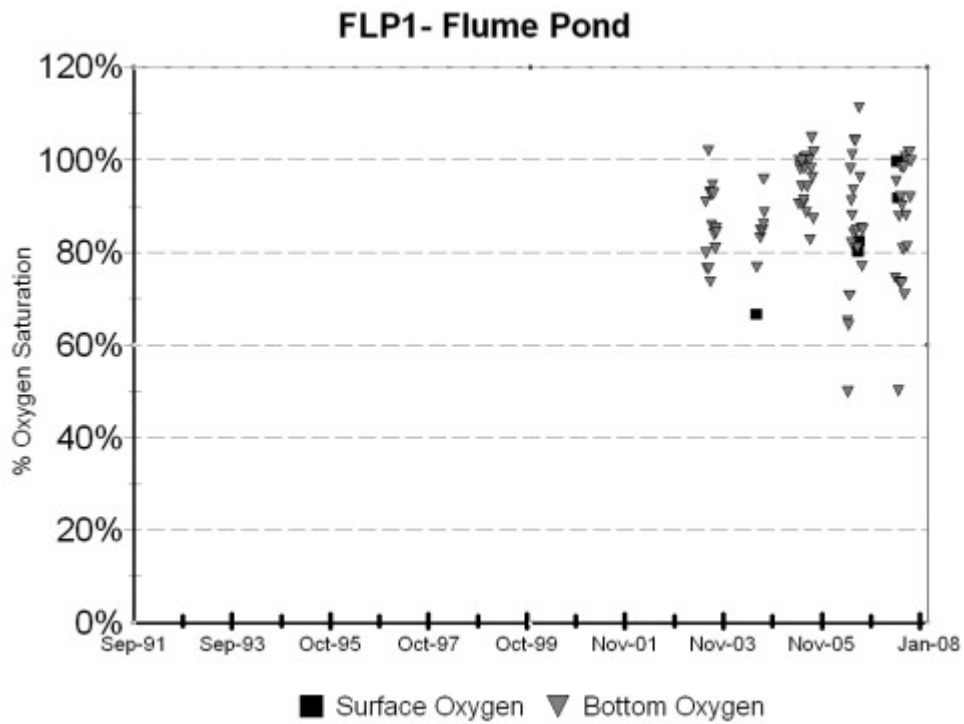
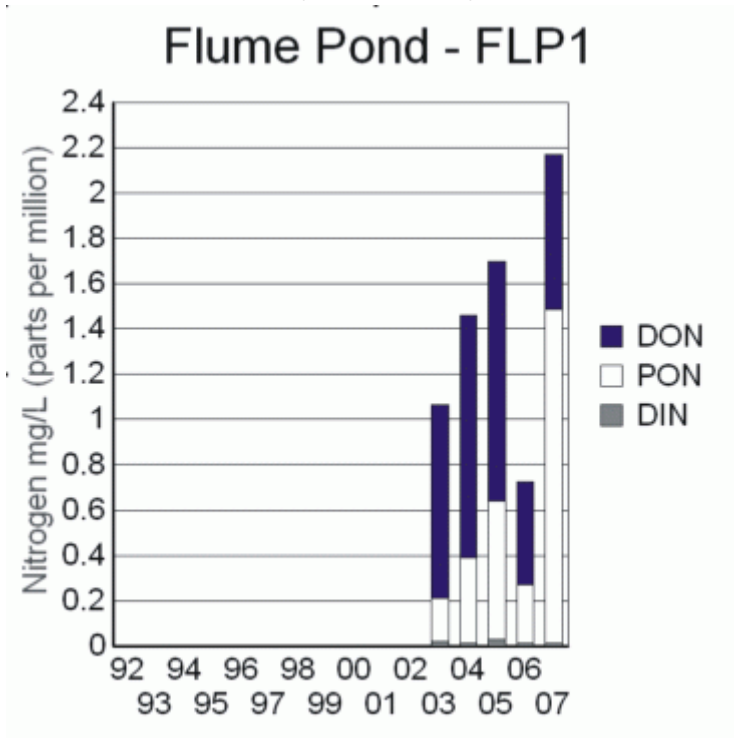




## FLUME POND- SITE FLP1

\*The following Chlorophyll and Nitrogen graphs depict summertime averages.

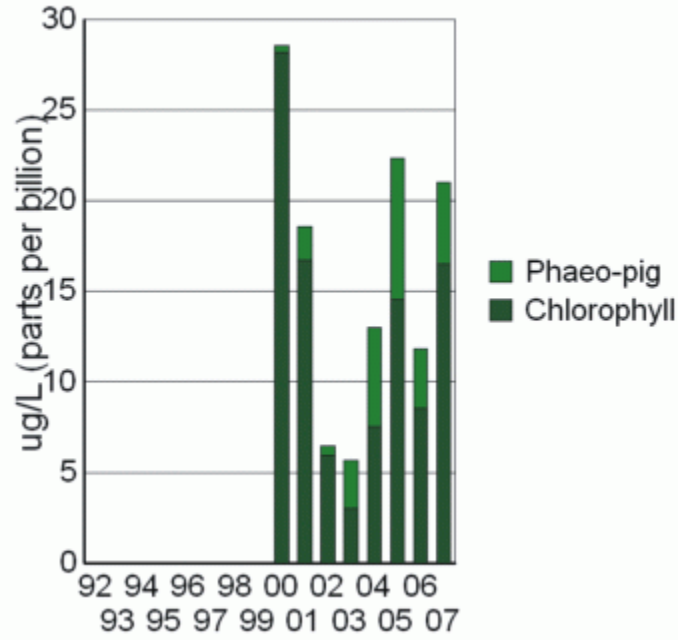




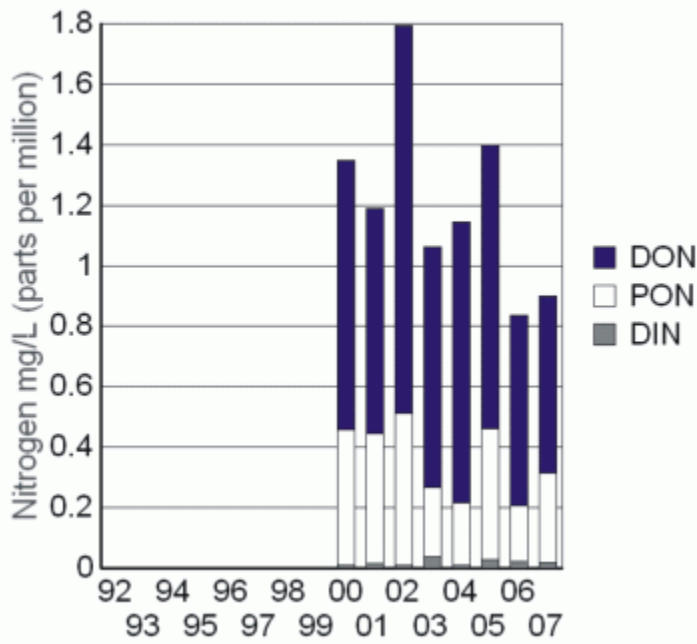
## GUNNING POINT POND - SITE GPP1

\*The following Chlorophyll and Nitrogen graphs depict summertime averages.

### Gunning Point Pond - GPP1



### Gunning Point Pond - GPP1



### GPP1 - Gunning Point Pond

