Notes

Ref Davis, G. H. Def. subsidence, Prof Paper 475-C C162-165

Shlemon 1971 Ann Am. Geographers 61: 427-440

+ Helley & La Joie Spangle & Blair USGS Prof Paper 943, Flatland deposits of SF Bay Region

---

precursors of present-day Delta in Quaternary time (several during Pleistocene & (2-3 million)

fault under Sherman (p. 261)

glacial / interglacial sediments superimposed on regional subsidence, complicated by periodic faulting

Holocene fault used to explain 10,000 + org. silts & clays ~ 3 m below peats on Sherman

At water (1980) tries assigns organic clay/silt to fluvial env. (p-65)

present sea level at 5,000 bp
organic soils continued to form
(5,000 yr old peat is 9 m below sea level)
due to subsidence & local compaction
(see fig 5)

see Delta > demo > ~~shlbegg.xls~~ shlemonbgg
fit curve to data, estimated accumulation rate to be
1.6 - 2.5 mm/yr
~~recent earliest~~

(note Rojstaczer et al (1991) cites sea level rise from 1965 to 1987 to be ~2", .08"/yr
= ~~[illegible] cm/yr~~ 2.3 cm/yr

Q's ~~when~~ If sea level is rising now is this recent or was it occurring at ~800 BP when .9 m of peat ~~had~~ accumulated?

What is present-day sea level rise?