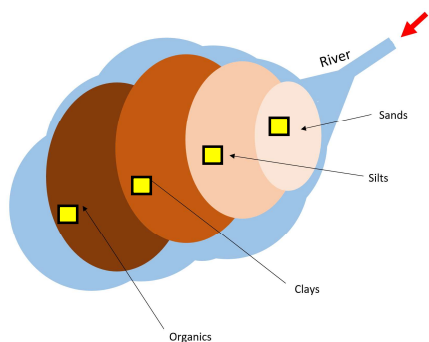


SAMPLE COLLECTION

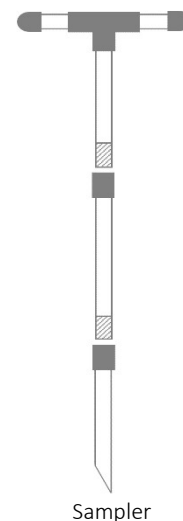
Collecting Representative Samples of Sediment & Sludge from a Pond

1. Sampler Apparatus: In order to collect representative samples of sediment or sludge from a pond/lagoon, a sampler is needed to collect samples from the soil layer for analysis. The sampler consists of a three-piece PVC pipe that has a total length of 230 cm. Each section is threaded at the end except for the top of the first section that has a "Tee" handle and last section that is tapered into a sharp point at an angle of 45 degrees. When dismantled into sections, the sampler is convenient to transport and to reassemble at the site of sampling. This sampler is accurate, easy to use and low in cost to make.



Pond Stratification

2. Sample Location: Multiple samples should be collected from different locations that are roughly evenly spaced out and are away from the pond banks so as to get a true average sample.



Sampler

3. Sample Consolidation: The individual samples collected should be of roughly the same volume and should all be combined and mixed in a 10 liter sealed container (minimum).



4. Make Down Water: A second container of equal size should be filled $\frac{3}{4}$ full with water from the pond to replicate the make down water that will actually be utilized in the field.