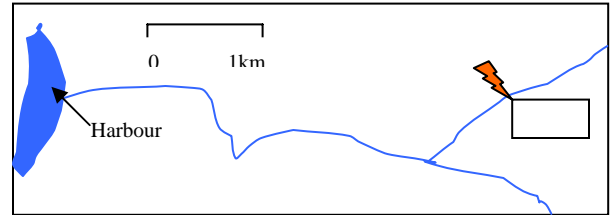


Name:

1. A new fungicide (organic chemical) has been approved by the *National Registration Authority* for use on sugar cane with a 6 month limited permit. Local members of *Sunfish* are concerned about the impact of the new product on aquatic life. A trial site is indicated in the marked area. You wish to confirm for *Sunfish* and the *NRA* that the fungicide is not entering the aquatic system. Plan a **sampling protocol** for the site, indicate what information you will need before you start sampling and what information you need to obtain from the sampling.



2. How would you collect the following blanks for soil samples containing DDT:  
1) Field blank  
2) Matrix blank

3. Provide examples of sampling devices and storage containers for:
- (i) Air (outdoor) : contaminant sulphur gases.
  - (ii) Water (estuary) : contaminant Sn from boat antifouling paints.
  - (iii) Soil (A horizon) : contaminant PCBs from an old transformer site.
4. Describe an **analytical protocol** to determine the amount of a mercury that remains in a soil sample 10 years after a mercury fungicide has been used on the site.