

ADOPT-A-STREAM MONITORING EQUIPMENT BUILDING INSTRUCTIONS BENTHIC MACROINVERTEBRATE SAMPLING

SAMPLING PANS

Use for viewing, sorting and counting aquatic invertebrates.

Adapted from "Homemade sampling Equipment" by Tennessee Valley Authority.

UNDERWATER VIEWER

Materials:

any size plastic, metal, or wooden bucket
1/4" thick plexiglass piece (to fit bottom of bucket)
snips
silicone sealant or duct tape

Tools:

saber saw
hand saw or tin

Building Instructions:

1. Cut plexiglass with the saber saw into a circle to fit diameter of bucket.
2. Use regular saw or tin snips to cut off the bottom of the bucket.
3. Attach plexiglass to bottom of bucket with silicone sealant or duct tape.

SAMPLING PANS

Materials:

opaque plastic bottles or milk jugs OR aluminum pie pans
white enamel spray paint
newspaper
scissors or sharp knife

Building Instructions:

Cut off top portion of opaque plastic bottles or milk jugs, leaving a 2" deep sampling dish.

OR

Place aluminum pie pans on newspaper and paint with white enamel spray paint.