

Huanglong - 黄龙

Protocols

Prof. A. Plenković-Moraj, Faculty of Science UNIZG, Croatia

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A protocol for collecting planktonic samples

一种用于收集样品的浮游协议：

- Samples of phytoplankton (the water from the lake) take at June 3 and June 24, 2016 (for Juizhaigo) 浮游植物（从湖的水）的样品采取在 6 月 3 日和 2016 年 6 月 24 日
- Samples of phytoplankton (the water from the Lake) take at June 4 and June 25, 2016 (for Huanglong) 浮游植物（从湖的水）的样品需要在六月四，2016 年 6 月 25 日（黄龙）
- In the field notebook **REQUIRED to WRITE** the number of the sample, date and place of sampling. 在电子书的样本、日期和地点的采样数写入所需的字段。
- On the bottle in which the sample will be saved also **COMPULSORY to WRITE** the number of the sample, date and place of sampling. 在瓶中的样品将保存也强制写的样品、日期和地点的采样数。
- 10 L of lake water filtered through a phytoplankton net like on the picture 1 10 升湖水通过浮游植物网图片上的 1 过滤像



Fig. 1 Filtering

- After filtration the 10 liters of pond water add to the filtrate on phytoplankton net some lake water. Shaken it several times as shown in Figure 2 过滤后的 10 升池塘水加入到滤液对浮游植物网某些湖水。摇动几次，如图 2

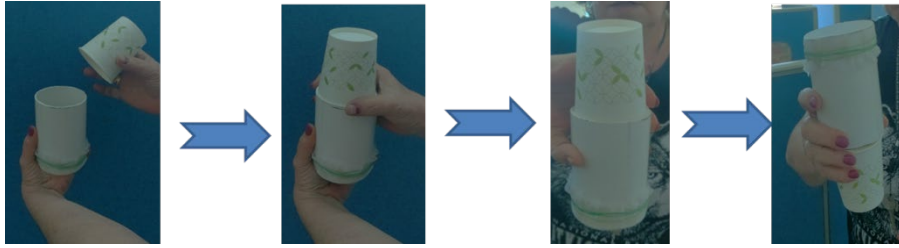


Fig.2 Shaken it several times

- The sample of phytoplankton from plastic cup save **into properly marked bottle** as in Figure 3. 浮游植物的塑料杯样品保存到正确标记瓶，如图 3。

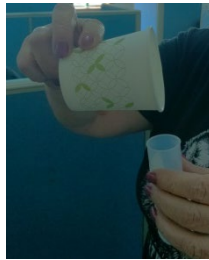


Fig.3 Saving the phytoplankton sampling

- **Do not forget on return from the field to fix samples** 从外地来确定样品的回报，不要忘了

Protocol for collecting periphyton - or how to pick up glass slides

收集附生协议 - 或如何拿起载玻片

- Microscope glass slides collect **according to timetable** 显微镜载玻片收集按照时间表
- Make sure **TAKING the slides in right order** (from left to right) as shown in Figure 1 确保 TAKING 幻灯片在正确的顺序（从左至右），如图 1

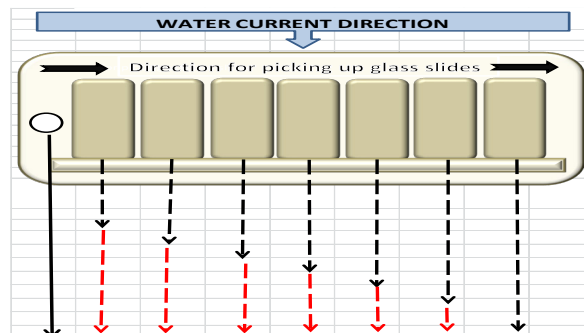


Fig.1. Sampling glass slides from the brick

- Each time during collecting the glass slides **REQUIRED to WRITE** in the field notebook: a number of the bricks, date of sampling, and the number of days of exposure of glass slides 收

集 REQUIRED 笔记本领域到 WRITE 载玻片期间每次：若干砖块，取样日期，和载玻片的暴露的天数

- On the bottle in which will be glass slides stored also **OBLIGATORY TO WRITE** the number of the bricks, date of sampling, and the number of days of exposure of glass slides 在瓶子中，也将是存储强制性写砖的数量，取样日期，和载玻片的暴露的天数载玻片
- Make sure that the surface of the slides on which is the periphyton (top side of glass) do not accidentally delete by your fingers. Try to gently push the slide out of the slot. 确保幻灯片的表面上这是附生（玻璃顶侧）不小心用手指删除。试着轻轻推滑出插槽。
- In the bottle for saving glass slide is plastic barrier. During saving glass slides into bottle ENSURE that the top of the slide with periphyton remains above the barrier plastic as in Figure 在瓶中保存载玻片是塑料的障碍。期间保存载玻片成瓶确保与附生滑动的顶部保持在阻挡塑料如以上在图 2 中

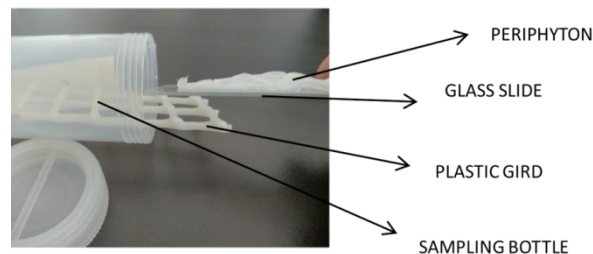


Fig 2. Saving periphyton into bottle 图 2.保存附生成瓶

- When you are properly settled glass slide into the bottle add some water into bottle to cover the height of glass slides. 当您正在妥善解决搏命入瓶中加一些水进入瓶子覆盖载玻片的高度。
- **Do not forget the way back from the field to fix samples with formaldehyde.** 不要忘记的方式从外地赶回来解决样本的甲醛。

For each fieldwork BE SURE to bring:

对于每个字段的工作肯定是会带来：

- A field notebook 场本笔记本
- Rubber boots -橡胶靴
- Plastic bucket (marked with a quantity of 5 L of water) or plastic vessels (marked with a quantity of 1 L of water) that on the field you can filtered 10 L of lake water (only for phytoplankton samples) (标记的数量为 5 升的水) 的塑

料桶或塑料容器（标记的数量为 1 升的水） 字段，您可以筛选的 10l 的湖水（仅为浮游植物样品）

- Microscopic glass slides to replace (only for periphyton) 微观玻璃幻灯片替换（仅用于藻类）
- Brush or knife for scraping phytobenthos from rocks or aquatic plants 刷涂或刀刮敌百虫从岩石或水生植物
- Plastic bottles for storing of microscopic glass slides (only for periphyton) 塑料瓶用于存储的显微玻片（仅用于藻类）
- Plastic bottles for storing plankton 用于存储浮游生物的塑料瓶
- Plastic bottles for storing the benthic organisms 用于存储底栖动物的塑料瓶
- When you return from the field **BE SURE** to fix all samples. Put into each vial with sample 15-20 drops of formaldehyde 当您返回从字段是肯定要修复所有样本。放入每个小瓶与样品的甲醛的十五-二十 滴
- All of the collected samples stored in a cold place (refrigerator) 所有存储在一个寒冷的地方（冰箱） 所收集的示例

Time table

黄龙

Samples of phytolankton (the water from the lake) take at June 4 and June 25, 2016
Bentic samples from several locations pick up each time you are picking up glass slide
May 7, 2016 - bricks with glass slides will be placed in water

No. of days - exposition of glass slides	Date of picking up glass slides	No. of bottles
7	May 14	3
14	May 21	3
21	May 28	3
28	June 4	3
35	June 11	3
42	June 18	3
49	June 25	21
Total number of samples from glass slides		39