



VAN WALT
monitoring your needs



Russian Sediment/Peat Borer Kit

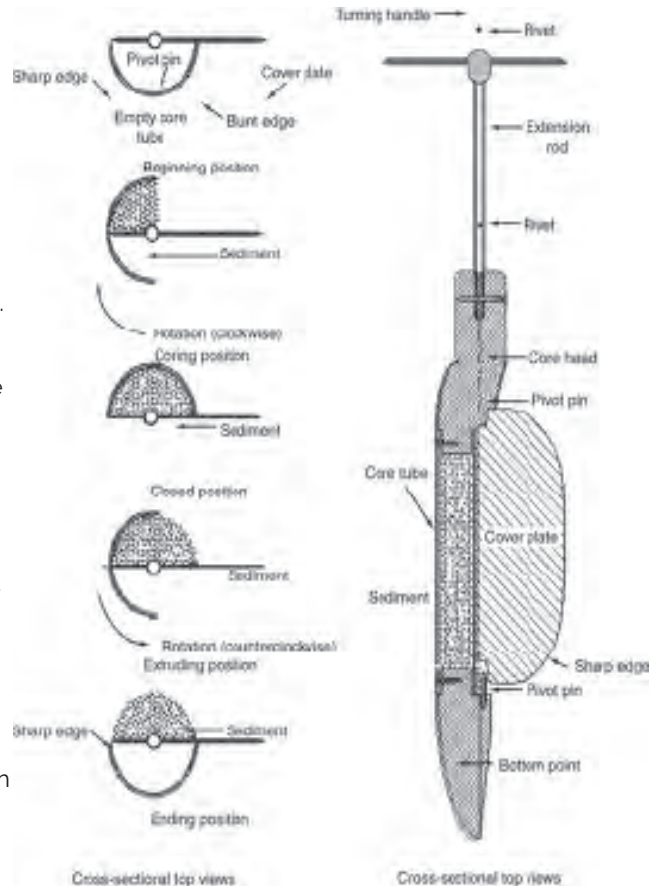
Collect sediment samples with no loss of material

- ▶ Ideal for paleoecological analysis of bog and salt marshes
- ▶ Collection of uncompressed cores in poorly decomposed woody peat
- ▶ Shallow water applications
- ▶ Collect samples at different depths in sediment & wet soils
- ▶ Easy to operate & clean

The Russian Peat Borer is a side filling chambered-type sampler. This discrete point sampler is inserted in the closed (empty) position. Once the target depth is reached, the "T" handle is turned clockwise to initiate the sampling while the pivotal cover plate supports the cutting action of the bore. As the sampler is turned 180 degrees, the sharpened edge of the bore longitudinally cuts a semi-cylindrical shaped sample until the opposite side of the cover plate is contacted. The contained sample can now be recovered without risk of contamination by overlying sediments. The sample is extruded from the bore by a counterclockwise rotation where sample rests on cover plate ready for sectioning.

Specifications:

- Stainless steel peat borer
- Kit to 2.4 m, additional extensions available
- 50 cm x 5.4 cm O.D., 2.0 mm wall thickness
- One wall of the core tube is sharpened to longitudinally cut through sediments when sampler is turned clockwise
- Solid Delrin(r) core head & bottom point support a stainless steel cover plate which freely rotates inside the core tube
- Stainless steel cover plate (2.0 mm thick) is curved & sharpened to minimize disturbance when inserted into the sediments
- Two stainless steel extension rods (1.2 m x 1.9 cm diam.) with Hex Quick Pin connections
- Rubber Coated Cross Handle, Hex Quick Pin
- Plastic carrying case with foam inserts.



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| Accessories | | |
|-------------|---|---------|
| Part | Description | Weight |
| 25039 | Russian Sediment/Peat Borer Kit | 20.4 kg |
| 58572 | 1.2 m Stainless Steel Extension with Hex Quick Pin connection | 1 kg |
| 58504 | 45.5 cm Rubber Coated Cross Handle, Hex Quick Pin | 1.1 kg |
| 64670 | Russian Borer (Sampler Head Only), Hex Quick Pin | 4 kg |



Van Walt recommends: for undisturbed samples in both saturated and unsaturated material to 2.4 m.