

DEEP DRILLING VARVE SECTIONS



Drilling truck

Drilling for varves – Perry Hill Basin,
Charlestown, NH. Hollow stem auger with
Central Mining Equipment continuous sampling
system using 3" core liners.



Continuous sampler



Auger sections

Core catcher in shoe of CME continuous sampler. The limbs on this core catcher have since been clipped and longitudinally split for easier entry of soft sediment into the sampler.



Core liners



3" core liners (2.5-ft liners taped together with duct tape for each 5-ft core drive).



Core sample in liner. 2.5-ft sections are split and taped with duct tape after water is poured out of the liner and space in the liner is filled with waste sediment to prevent the core sample from traveling inside the liner during transport.

Core Transport



Stacked core transport boxes. The transport boxes are made from $\frac{3}{4}$ " plywood and 2"x6" boards. Each box rests on the box beneath and has pegs that prevent the boxes from sliding.



Core transport boxes being filled. Rubber carpet matting was attached to the floor of each core box to prevent cores from easily sliding forward and backward in the core boxes during transport.