



Figure 5. Still frames from video taken using the modified gravity corer. Panel A shows the corer right before touching the fine grain sandy sediments. Panel B the corer has touched the sediment, and the sediment retractor has moved out of the way of the sediment corer. As the corer is being pushed into the sediment, the retainer remains out of the way (panel C), and then it closes over the bottom of the sediment (panel D) as the sediment is being brought up. For clay bottom types, the modified gravity corer did generate a slight plume when the base touched down (panel E); however, the core tube is in the sediment before the plume has reached it (panel F).