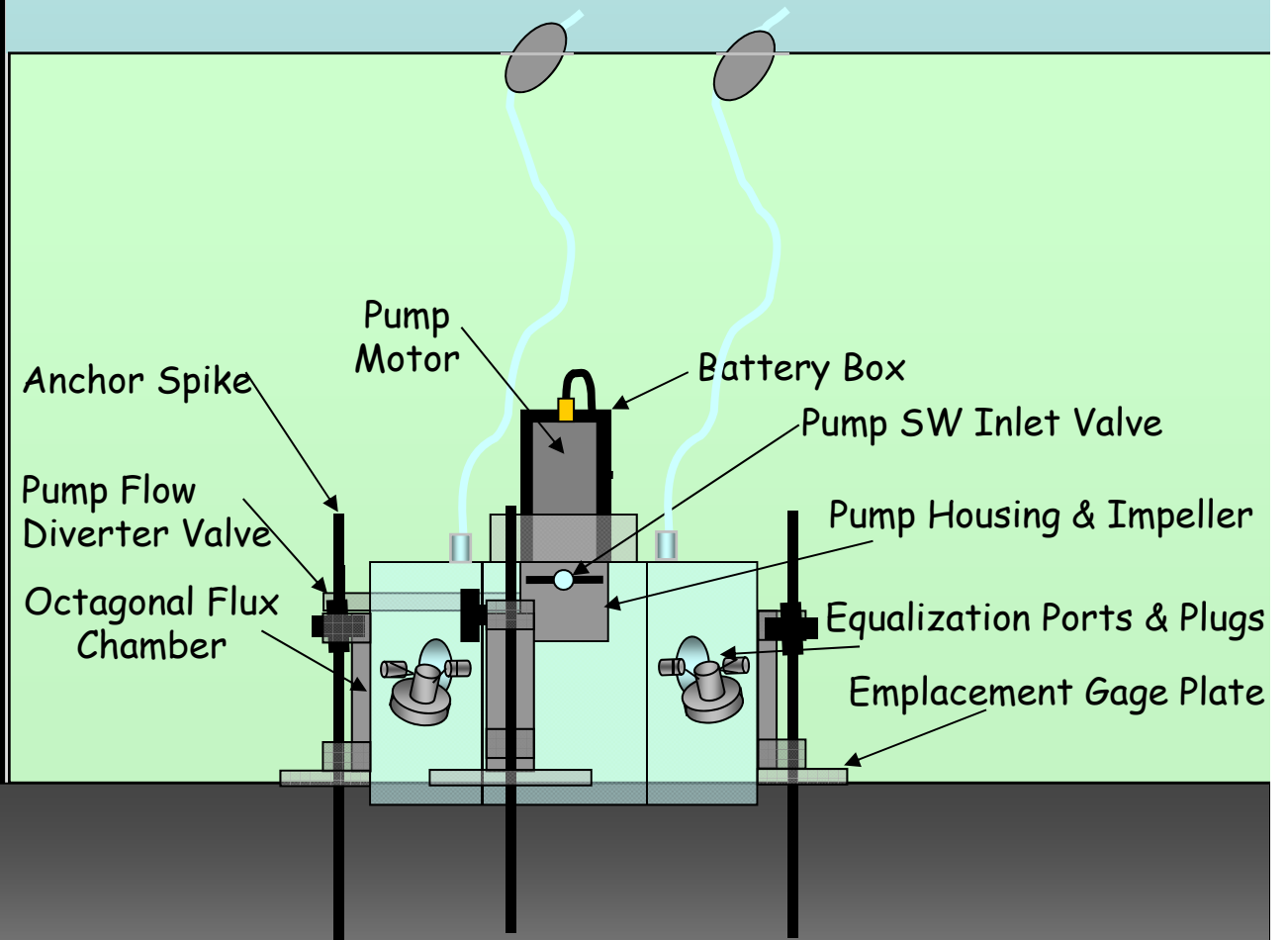




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Benthic Flux Chamber Pilot Testing Update



Rich Landis - DuPont

August 9, 2005

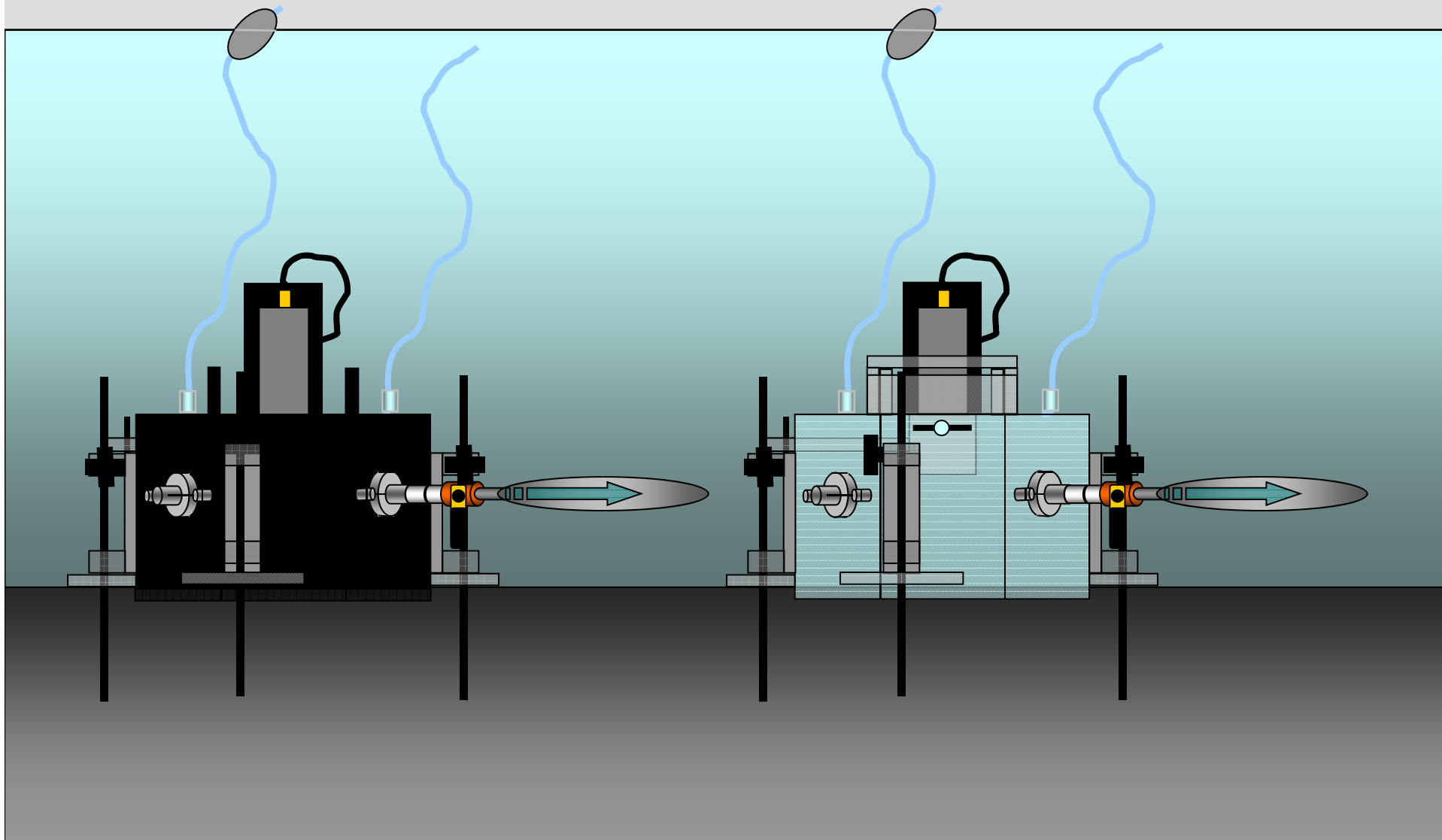
BFC Program Objective

- Direct measurement of THg and MeHg flux from selected areas within the Phase I Experimental Ecological Study Reaches
 - Five mud deposits will be studied
 - Three gravel deposits will be studied
- Relative determinations will be made regarding THg and MeHg flux to the surface water

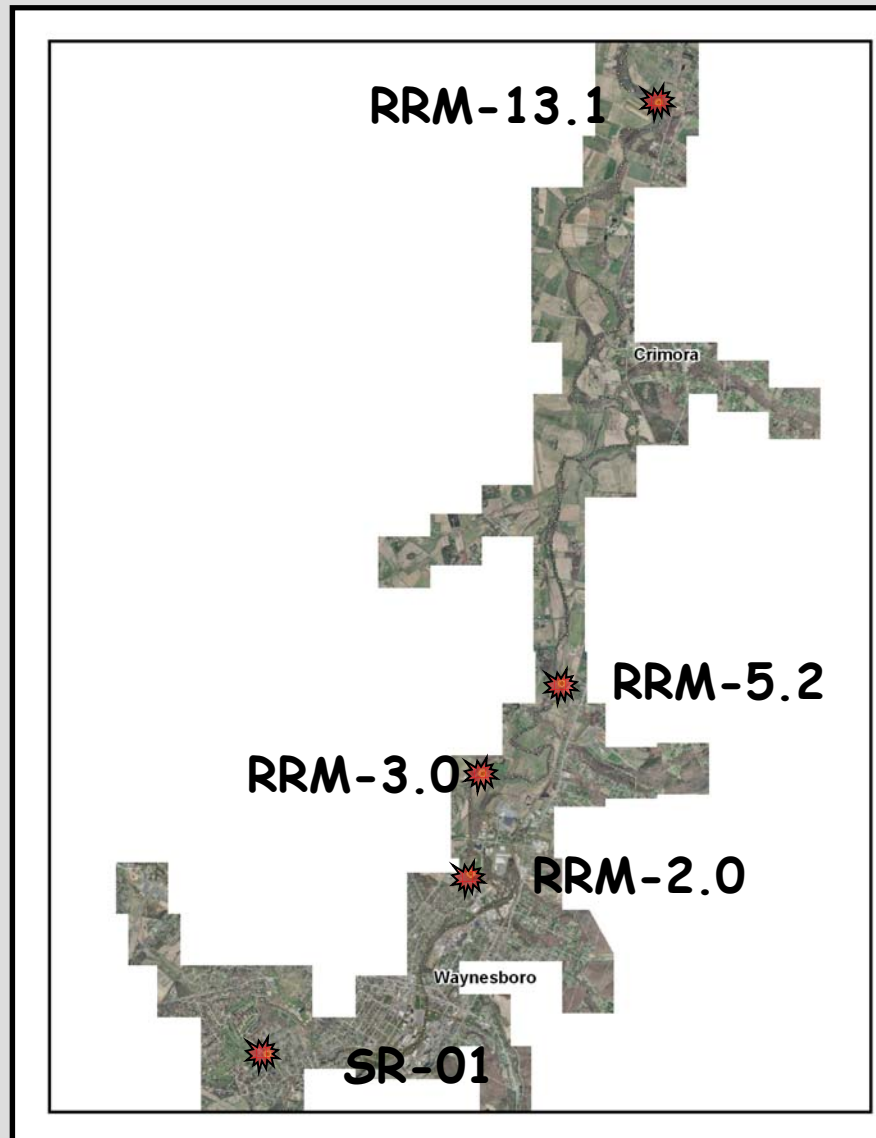
“2006 BFC Mud Deposit Proposal”

- Investigate potential MeHg and THg flux from mud deposits
 - Compare results of opaque and transparent BFCs
 - Measure DO, MeHg, and THg
 - Analyze Sediment for THg, MeHg, TOC, Particle Size, Etc.
- BFC sampling is scheduled for June, 2006

BFC Mud Deposit Arrangement



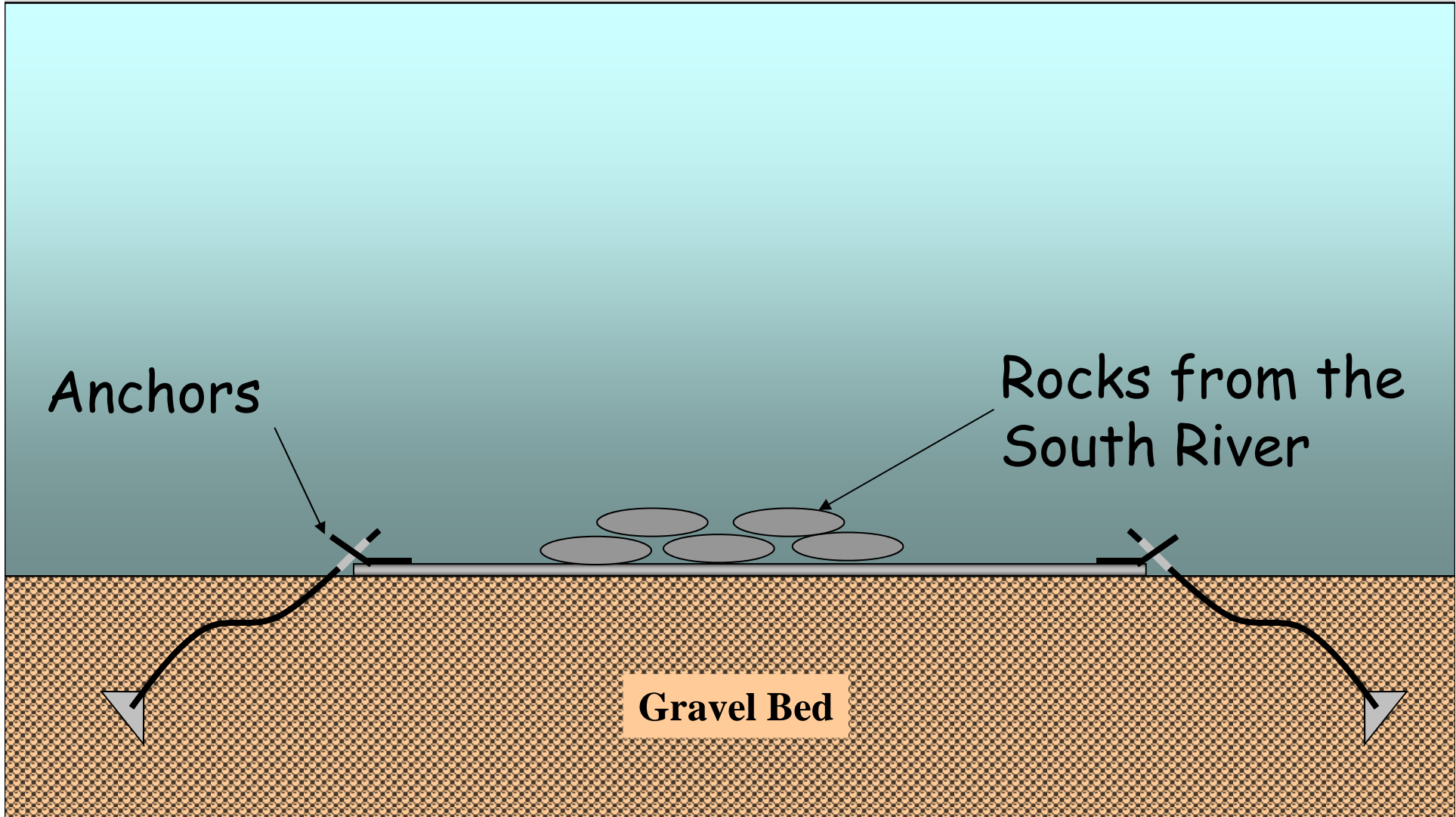
BFC Locations, Phase I Eco Study Reaches



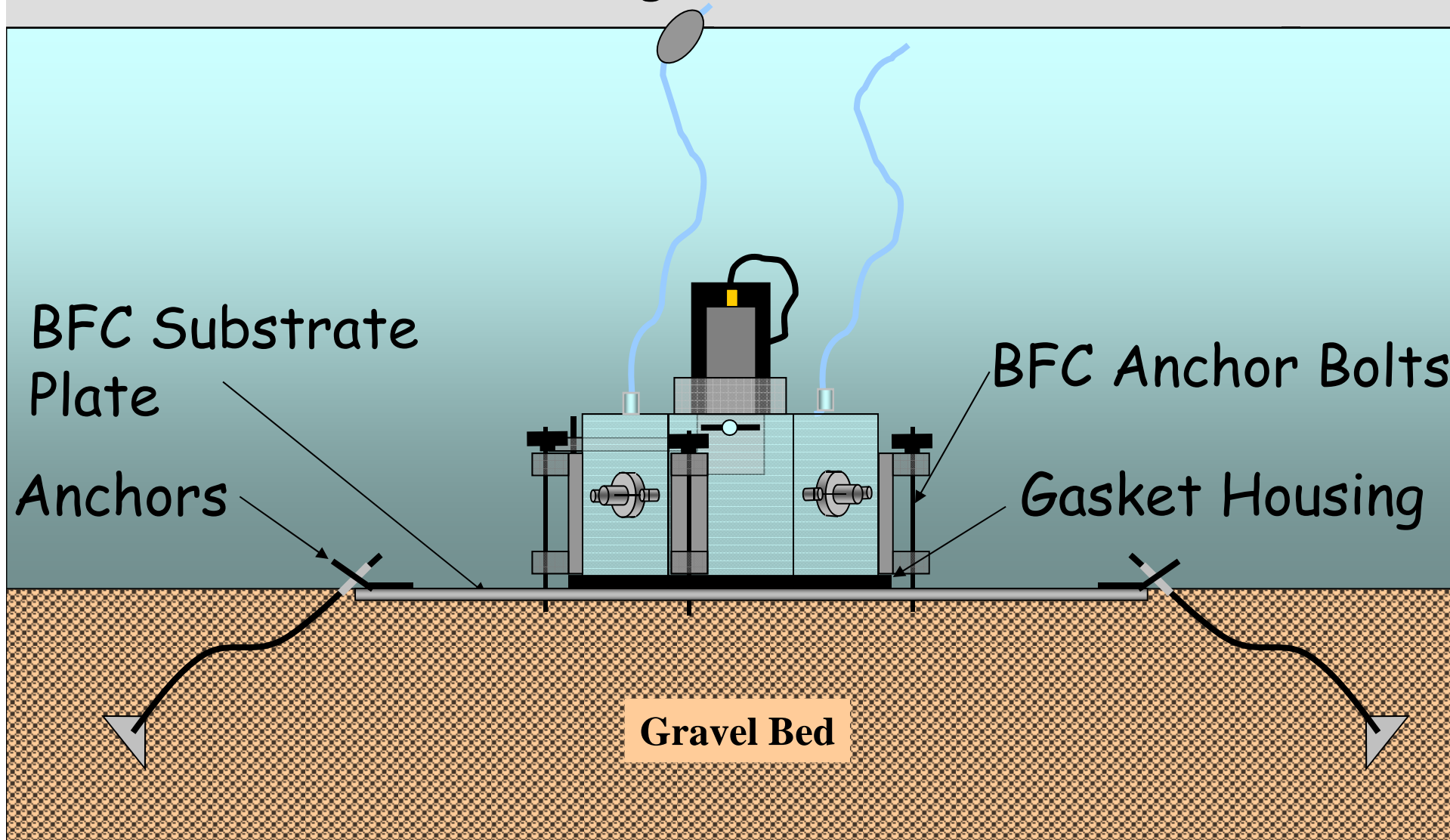
“2006 BFC Gravel Streambed Proposal”

- Investigate potential MeHg and THg flux from Gravel Beds deposits
 - Compare results of opaque and transparent BFCs
 - Measure DO, MeHg, and THg
 - Analyze Sediment for THg, MeHg, TOC, Particle Size, Etc.
- Deploy BFC substrate plates in June
- BFC sampling in August

BFC Gravel Bed Substrate Plate



BFC Gravel Bed Arrangement





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