

1512xx Western Flyer/MiniROV DeepPIV Dive Objectives

OH - Outer House; IH - Inner House; **bold** = priority

Dye Visualizations		Notes			
	inlet chamber near peaks on OH				
	outlet flow in IH?				
3D Reconstructions with near-IR Filter off		Notes			
	IH membrane				
	OH filter? and inlet chambers				
	inner house				
	function of anterior chamber				
	pre-filter mesh size				
	buccal tube/median chamber				
	exhaust at posterior end of IH				
	other organisms/features				
	<i>Spiracles</i>				unidentified organisms; Demipylus; lobate chambers, mesodermals?
DeepPIV Visualizations		Notes			
	flow rates in tail chamber				
	exhaust at posterior end of IH				
	exhaust flow rate at peak				
	exhaust at inner chamber of IH				
	pre-filter chamber flow rate				
	function of anterior chamber				
	<i>Spiracle flow / visualizations</i>				
Fluorescent Particle Visualizations		Notes			
	IH particle selection				
	zoom in on buccal tube				