

Changing Hudson Project

Lesson 2 PowerPoint Notes Marathon Battery Factory & Cd Contamination

Slide	Notes	Additional Notes
	Ask students to compare the photograph of Foundry Cove	
	with the maps from Lesson 1. They should be able to point	
1	out Foundry Cove, the Hudson River (greenish water on	
	the left) the location of the former factory (pushpin on the	
	right), the marsh, some details of the cove's shoreline, and	
	the railroad tracks. The train trestle is not visible, but they	
	will be able to show the approximate location of it. The	
	EPA superfund site is the cleared, rectangular, low-	
	vegetation area northwest of the upper right pushpin.	
	The northeastern portion of Foundry Cove is a historical	
	site. The site of cadmium pollution is to the west of this. A	
	foundry uses molten metals to cast machinery and other	
	metal items. The cove gets its name from the West Point	
	Foundry that manufactured parts for steam engines and	
	Parrott guns, shown in the photo, were used by the Union	
2	Army during the Civil War. Relics from this era remain at	
	the site, and archeological digs conducted during the	
	summer continued to unearth more historical finds. Also	
	shown in the photos: 2007 archeology crew from Michigan	
	and furnace remnants uncovered – notice the shovel for	
	scale. Initially, Marathon Battery Factory made batteries	
	for Nike missiles, but later converted to making batteries	
	for general use.	
3	Ni-Cad batteries continue to be used for some applications,	
	though they are no longer manufactured at Foundry Cove.	
	Some current uses are: cordless and wireless telephones,	
	emergency lighting, remote controlled model airplanes, and	
	cordless power tools.	
	When the Marathon Battery Factory began dumping wastes	
	in Foundry Cove (and for a short time into the Hudson	
	through the Cold Spring sewage plant), the Clean Water	
	Act and the Environmental Protection Agency did not	
	exist. The EPA was established in 1970. The Clean Water	
	Act was passed in 1972.	
	Foundry Cove, foreground, with Constitution Marsh	
4	Audubon Sanctuary at center left. South Cove is at the rear.	
	Even though South Cove is close to Foundry Cove, the	

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