

## FIELD OBSERVATIONS TO LOCATE RELICS PHOTOGRAPHIC LOG

<b>Client Name:</b> Tennessee Valley Authority		<b>Site Location:</b> Kingston Fossil Plant – Harriman, Tennessee	<b>Project No.:</b> 60095742
<b>Photo No.</b> <b>1</b>	<b>Date:</b> 1-21-2009		
<b>Direction Photo Taken:</b>  Looking vertical.			
<b>Description:</b>  TVA Survey monument CHT-2.  The relic block of Dike C containing the monument traveled approximately 700 feet north-northwest across the Tail Water.			

<b>Photo No.</b> <b>2</b>	<b>Date:</b> 2-25-2009		
<b>Direction Photo Taken:</b>  Looking vertical/west.			
<b>Description:</b>  Scraper formerly parked on Center Dike.  The scraper traveled approximately 1,200 feet and rotated from a parked position facing north-northeast to a final position facing east-southeast.			

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<b>Photo No.:</b> <b>3</b>	<b>Date:</b> 1-21-2009		
<b>Direction Photo Taken:</b>  Looking east.			
<b>Description:</b>  Relic Location 038. Cell telephone repeater tower originally located on the northwest corner of the Starter Dike/Dike C in Slough 2.  The cell tower was transported approximately 1,500 feet north-northwest from its original position.			

<b>Photo No.:</b> <b>1.3.2_4</b>	<b>Date:</b> 1-21-2009		
<b>Direction Photo Taken:</b>  Looking east.			
<b>Description:</b>  Relic Location 038_A. Same cell repeater tower shown in 038. Numbers visible on the base of the tower "12, 15, 06" (red circle).			

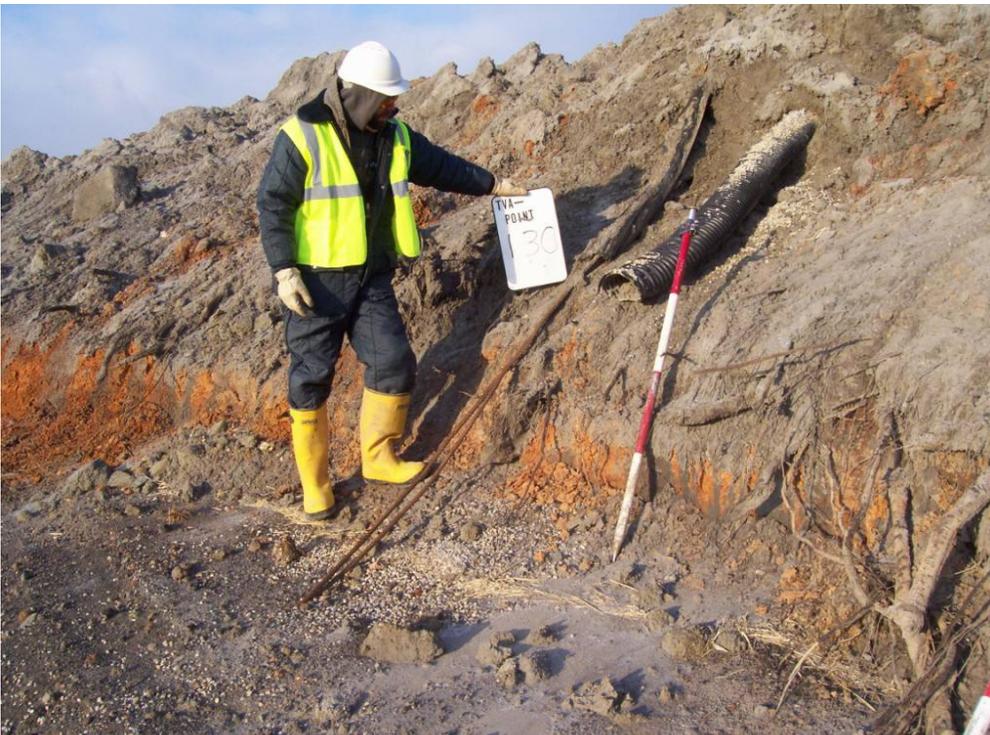
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<b>Photo No.:</b> <b>5</b>	<b>Date:</b> 1-26-2009		
<b>Direction Photo Taken:</b>  Looking southeast.			
<b>Description:</b>  Relic Location 097. Handrail formerly located on top of concrete wall around Dike C spillway outfall pipe. Confirmed by interview with TVA personnel.  The railing was transported approximately 700 feet north-northeast from its original position.			

<b>Photo No.:</b> <b>6</b>	<b>Date:</b> 1-26-2009		
<b>Direction Photo Taken:</b>  Looking north.			
<b>Description:</b>  Relic Location 098_2. Corrugated, 8 to 10-foot diameter metal pipe. Identified as a skimmer top by TVA personnel. Formerly located on the bank next to the Dike C spillway outfall pipe.  The skimmer top was transported approximately 700 feet north-northeast from its original position.			

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<b>Photo No.:</b> <b>7</b>	<b>Date:</b> 1-21-2009		
<b>Direction Photo Taken:</b>  Looking east.			
<b>Description:</b>  Relic Location 024. Cattails formerly at the northwest corner of setback area, now in Slough 2 over-washed by ash. Relic dike material in the background was also over-washed.  The cattails were transported approximately 3,300 feet.			

<b>Photo No.:</b> <b>8</b>	<b>Date:</b> 2-4-2009		
<b>Direction Photo Taken:</b>  Looking west-southwest.			
<b>Description:</b>  Relic Location 130. 5/8-inch steel cable (looped or two cables) encased in woven geotextile. Nearby is a piece of corrugated PE (8-inch). Geotextile and #57 stone are most likely associated with the corrugated pipe.  The cable was transported approximately 1,600 feet.			

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<b>Photo No.:</b> 9	<b>Date:</b> 1-26-2009		
<b>Direction Photo Taken:</b>  Looking northeast.			
<b>Description:</b>  Relic Location 100. Remnant of Dike C with bottom ash layer and clay cover material over native silty clay on north shore of Tail Water.  The Dike C relic was transported approximately 700 feet northward from its original position.			

<b>Photo No.:</b> 10	<b>Date:</b> 1-23-2009		
<b>Direction Photo Taken:</b>  Looking west.			
<b>Description:</b>  Relic Location 075. 24-inch corrugated PE piping. Thought to have originated from one of two stockpiles: one at the northern end of the east dike of Dredge Cell 2, or a second at the northeastern edge of Dike D. Location is in the Emory River channel.  The pipe was transported between approximately 2,600 and 3,300 feet.			

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<b>Photo No.:</b> <b>11</b>	<b>Date:</b> 1-22-2009		
<b>Direction Photo Taken:</b>  Looking north-northeast.			
<b>Description:</b>  Relic Locations 043 and 044. South end of 10-inch HDPE pipe (dredge pipeline?) located in Slough 2.  The HDPE pipe was transported approximately 1,400 feet north-northwest from its original position.			

<b>Photo No.:</b> <b>12</b>	<b>Date:</b> 1-21-2009		
<b>Direction Photo Taken:</b>  Looking east.			
<b>Description:</b>  Relic Location 030. Pine trees formerly located on downstream north slope of Dike C (red arrows).  The trees were transported approximately 2,100 feet north-northwest from their original position.			

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<b>Photo No.</b> <b>13</b>	<b>Date:</b> 12-23-09		
<b>Direction Photo Taken:</b>  Looking east-northeast.			
<b>Description:</b>  Relic Dike C (dashed line) on north shore of Tail Water.  Dike C was transported approximately 700 feet northward from its original position.			

<b>Photo No.</b> <b>14</b>	<b>Date:</b> Uncertain		
<b>Direction Photo Taken:</b>  Looking south-southeast.			
<b>Description:</b>  Schean home pushed by Dike C and water surge.  The Schean home was moved approximately 65 feet northward from its original location.  (Photo by TVA)			

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<b>Photo No.</b> <b>15</b>	<b>Date:</b> 12-23-09		
<b>Direction Photo Taken:</b>  Looking southeast.			
<b>Description:</b>  The James home damaged during event. Areas over-washed by water but not ash (blue area).  (Photo by TVA)			

<b>Photo No.</b> <b>16</b>	<b>Date:</b> 12-23-09		
<b>Direction Photo Taken:</b>  Looking southwest.			
<b>Description:</b>  The Hanover home damaged during event. Located on the peninsula between Slough 3 and the reservoir. Area between blue lines was over-washed with water but not ash.  (Photo by TVA)			