

## MEMORANDUM

**Date:** February 7, 2005 Comm. No. 197-73 PW7100  
**To:** Mike Baker  
**From:** Gregory B. Siegner  
**Subject:** Woodrow Wilson Bridge Project – Jones Point Park  
**Shallow Soil Lead Investigation Results**

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The Potomac Crossing Consultants (PCC) completed an investigation of Jones Point Park for the presence of lead in shallow soils. The objective of the investigation was to respond to concerns by a local resident that high lead levels remain from historic shipbuilding operations at Jones Point.

The investigation methodology included the following scope of work:

1. Soil Sampling: PCC collected samples from the upper 0.5-foot of soils on February 1, 2005 using a hand-operated soil sampler. We considered the near-surface soils to be most representative of the exposure to the public. Soil samples were placed into sample containers provided by the analytical laboratory.

Fourteen soil samples were collected at locations distributed across Jones Point Park both north and south of I-95. The sample locations are illustrated in the attached figure.

2. Laboratory analysis: The samples were analyzed by Microbac Laboratories, Inc. (Gascoyne Division) in Baltimore for total lead by EPA Method 7420. The analytical results were reported on a dry weight basis.

The analytical results detected lead in every sample at concentrations ranging from 26 milligrams per kilogram (mg/kg) to 590 mg/kg. The results are summarized in the attached table.

Two samples (JP-4 and JP-5) contained lead levels that exceeded the Virginia Department of Environmental Quality (VDEQ) soil screening level for unrestricted or residential land uses of 400 mg/kg. None of the soil samples contained lead concentrations that exceeded the 800-mg/kg soil screening level for restricted or commercial land uses.

Please contact me if you have any questions or comments.

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TABLE 1  
JONES POINT PARK LEAD INVESTIGATION  
SOIL SAMPLE RESULTS  
Samples Collected on 2/1/2005

Sample Identification	Total Lead Concentration Milligrams/Kilogram (mg/kg) EPA Method 7420
JP-1	34
JP-2	230
JP-3	44
JP-4	590
JP-5	590
JP-6	34
JP-7	310
JP-8	270
JP-9	120
JP-10	57
JP-11	31
JP-12	82
JP-13	26
JP-14	31

1. Voluntary Remediation Program (VRP) Tier II, soil screening level concentration for unrestricted (Residential) land use - 400 mg/kg.

