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February 5, 2018

Via Email and Private Carrier

Mr. James R. Carroll
Program Administrator
Land Restoration Program
Land Management Administration
Maryland Department of the Environment
1800 Washington Boulevard, Suite 625
Baltimore, Maryland 21230

Subject: **2017 Monitoring of Dredge Area D2-6 for Sediment Deposition
Middle River Complex, Middle River, Maryland**

Dear Mr. Carroll:

Dredging of the lower portion of Cow Pen Creek, including DMU D2-6, was completed in March 2017 (i.e., Season 1 of the sediment remediation project). However, a single confirmation sample within DMU D2-6 at a depth of seven feet below starting grade remained above the remedial action goal for cadmium as defined for remedial action verification in the *Risk-Based Disposal Approval Application for PCB-Contaminated Sediment Removal in Dark Head Cove, Middle River Complex, Middle River Maryland*, June 2016. This resulted in a request by the Maryland Department of the Environment (MDE) during a meeting on March 1, 2017 to verify natural deposition would occur, further isolating this area from ecological receptors. This letter represents the first round of monitoring results (January 24, 2018) results of monitoring of the natural deposition and Residual Management Layer (RML) stability to determine the rate of deposition and the current depth to sediment in D2-6.

Sampling Procedures

The depth to sediment was measured at 4 locations within DMU D2-6 (Figure 1). Depth measurements were made using a scientific-grade

Table 2
Depth of sand and new sediment deposited
(Sediment core images available below
in Figures 2, 3, 4, and 5)

Location	Thickness of RML (inches)
1	12.0
2	9.5
3	5.5
4	6.0

An additional round of monitoring is scheduled for fall 2018 based on the approved project workplan. Please let me know if you have any questions. My office phone is (301) 548-2209.

Sincerely,

Thomas D. Blackman
Project Lead, Environmental Remediation

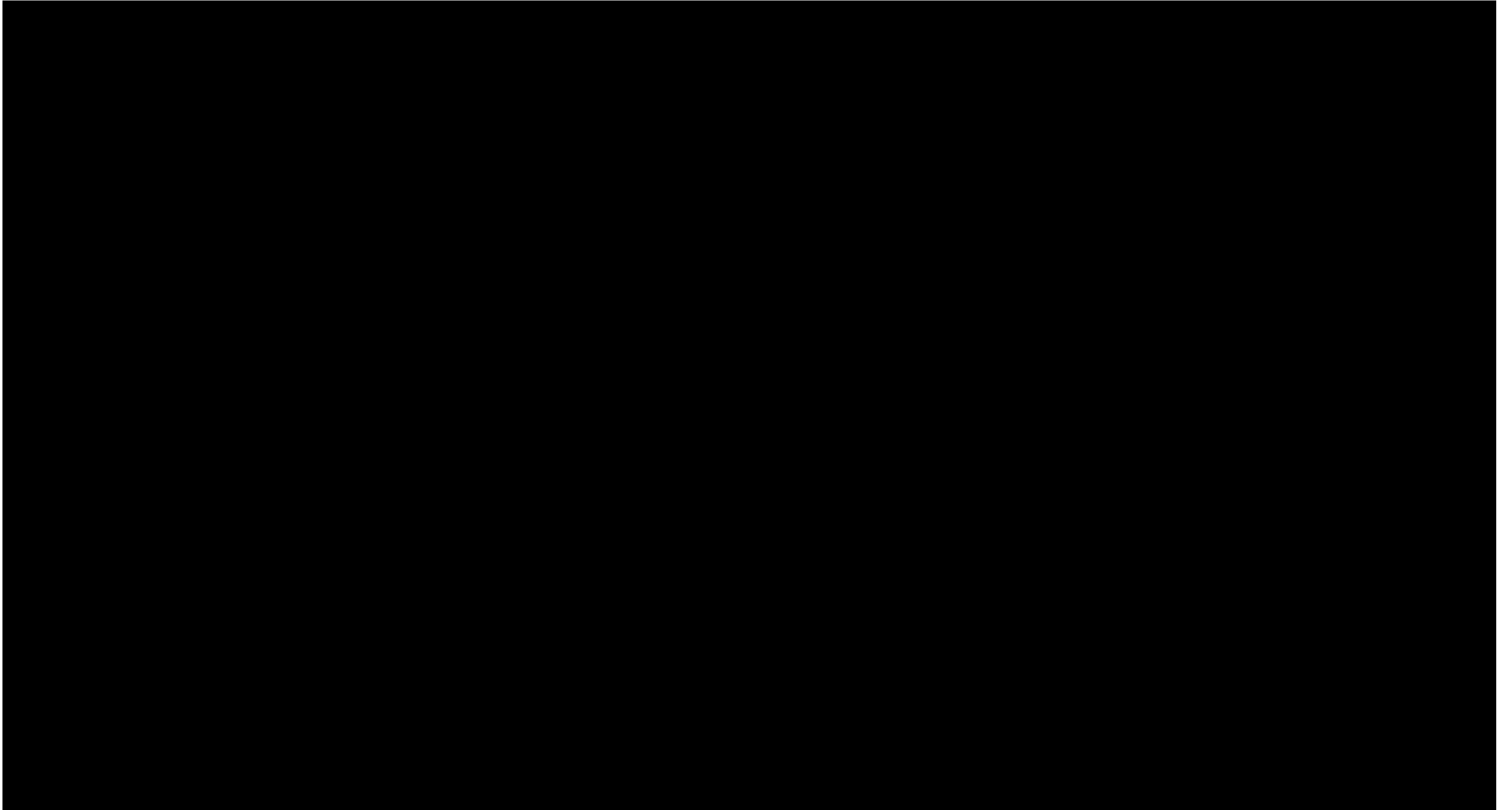


Figure 1. January 2018 sampling locations for the depth to sediment in DMU D2-6.



Figure 2. Sediment core from January 2018 DMU D2-6 sampling location #1.

Figure 3. Sediment core from January 2018 DMU D2-6 sampling location #2.

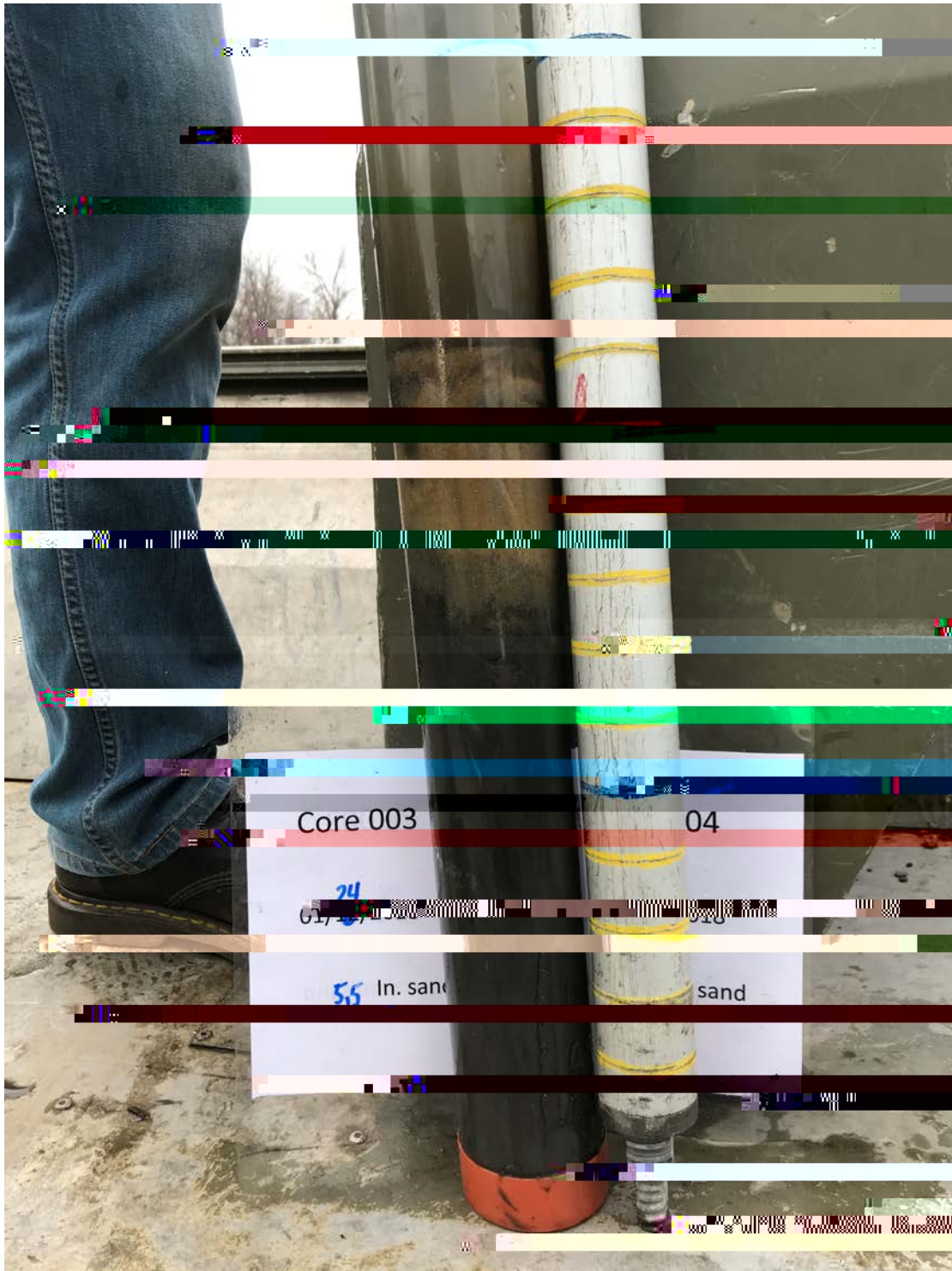


Figure 4. Sediment core from January 2018 DMU D2-6 sampling location #3.

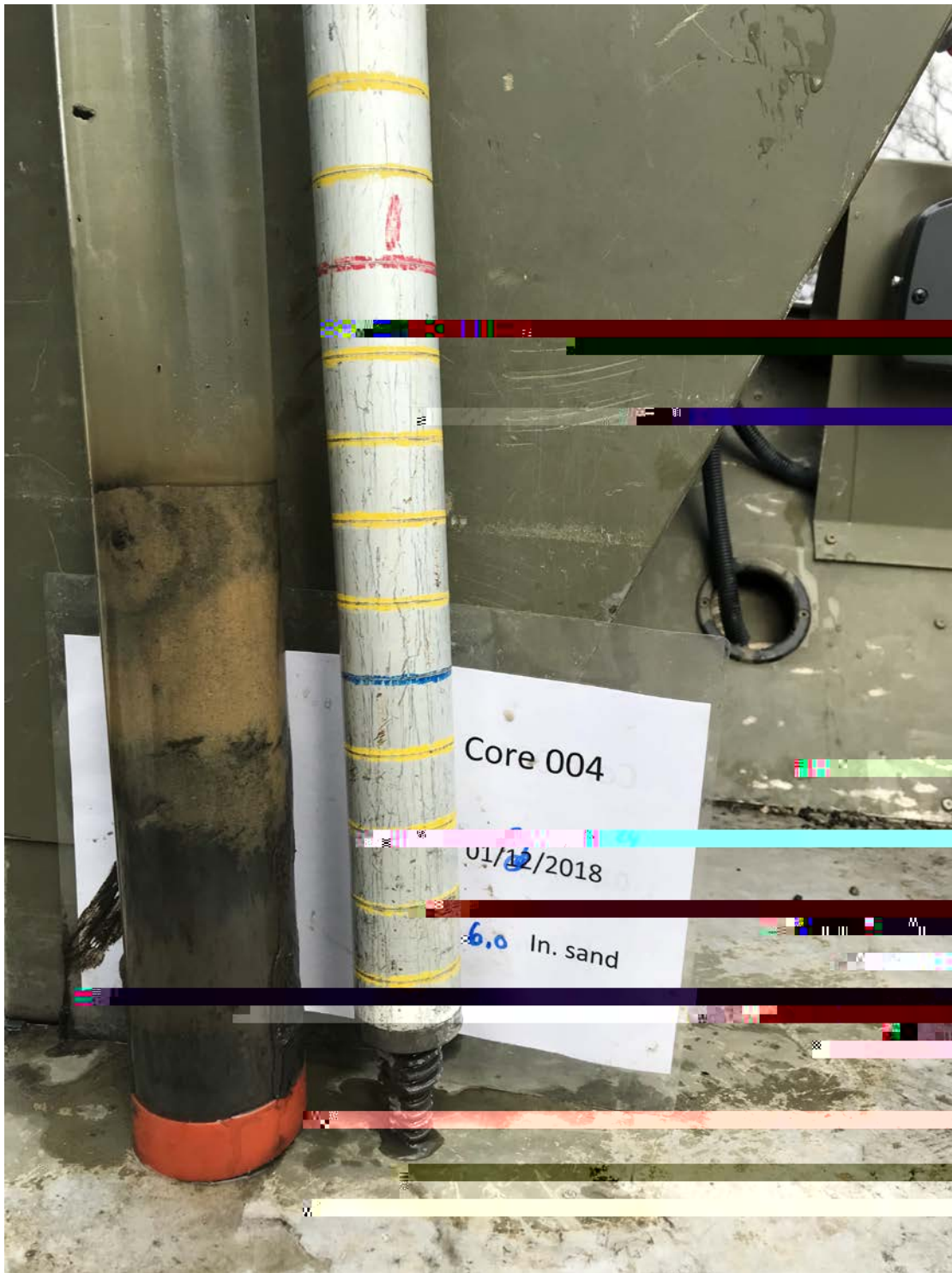


Figure 5. Sediment core from January 2018 DMU D2-6 sampling location #4.