

Middle River Complex: **Plans For Sediment Cleanup Move Forward In Dark Head Cove And Cow Pen Creek**

Lockheed Martin's plans for cleaning up the sediment in Dark Head Cove and Cow Pen Creek are proceeding. Presuming that all required permits are approved in a timely manner, the cleanup work will begin in late this fall in Dark Head Cove and the mouth of Cow Pen Creek when the in-water winter work window opens. Updates on other remediation efforts and community outreach will be provided at the informal poster session, and will include experts on sediment remediation at the Middle River Complex, and groundwater treatment construction activities at Martin State Airport. To answer questions and provide information on the proposed plans and permitting requirements for sediment remediation at the Middle River Complex, and an update on construction of the groundwater treatment facility at Martin State Airport.

PLEASE NOTE: The Maryland Department of the Environment details of Lockheed Martin's Joint Permit Application for impacts from the sediment remediation work at the Middle River Complex, and is currently in the public comment period for the permit application, and is currently open through October 13, 2016. Updates on the permit application, and is currently open through October 13, 2016.

During excavation, Cow Pen Creek will be closed to boat traffic and access to the work area will be controlled.

Date: Monday, April 4, 2016

Location: Marshy Point Nature Center
7130 Marshy Point Road

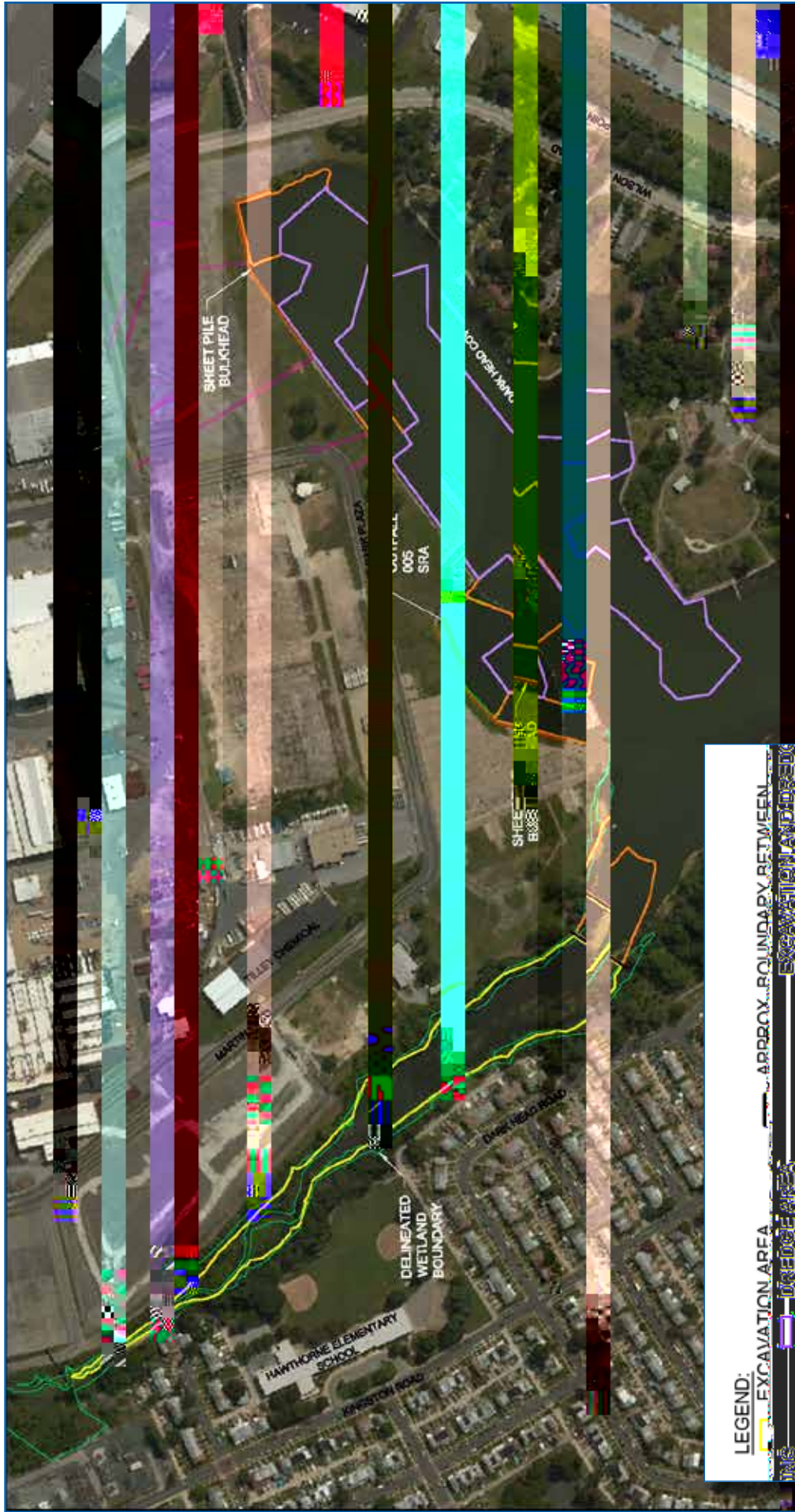
5 to 7 p.m. - Informal poster session with the community and experts on sediment remediation at the Middle River Complex, and groundwater treatment construction activities at Martin State Airport.

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7 p.m. - Facilitated presentation and discussion on the proposed plans and permitting requirements for sediment remediation at the Middle River Complex, and an update on construction of the groundwater treatment facility at Martin State Airport.

A facilitated question and answer and comment session will follow the presentation.

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LEGEND:

- EXCAVATION AREA
- APPROX. BOUNDARY BETWEEN EXCAVATION AREAS
- DELIMITED WETLAND BOUNDARY
- SHEET PILE BULKHEAD

ycvgt"ukfg"qh"vjg"qnf."eqttqfgf"ugevkqpu0"Vjg{"yknn"Łnn"vjg"
icr"dgv yggp"vjg"qnf"cpf"pgy"ujggv"ogvcn"ykvj"uvqpg"cpf"vqr"
with concrete. Four storm drains on the northeastern portion
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cpf"tgrcktgf"cpf"gzvpgfgf"vj tqwi j"vjg"pgy"dwnmjgcf0

Vq"o cmg"uwtg"ceegrvcnng"engcpwr"ngxgnu"ctg"cejkgxgf."
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additional dredging will occur to achieve those levels. When
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placed over the dredged area to create a clean surface. This
will isolate any small concentrations of contaminants that
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dredging operation in Dark Head Cove and the mouth
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required for disposal. This process was also used to help
jcpfng"vjg"ugfk o gpv"vjcv"ygtg"ftgf i gf"pgct"Qwvhcn"227"
fwtkpi "vjg"ykpvtg"qh"4236/370"Cu"kp"vjcv"gtckgt"engcpwr."c"uknv"
ewtvckp"yknn"ci ckp"dg"rncegf"vq"kuqncvg"vjg"gpvktg"y qtm"ctgc0"
Vjg"enqwf kpguu"qh"vjg"ycvgt"kp"vjg"ftgf i kpi "ctgc"yknn"dg"
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murky, crews will change their work practices, such as
slowing the dredging operation or adding additional silt
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dredging.

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work will occur during the protection period for aquatic
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vtwemncfu+"qh"ugfkogpv"yknn"dg"gzecxcvgf"htqo"Eqy"
Pen Creek. To do this, cofferdams, which are temporary
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sequence as the work proceeds. The Lockheed Martin team
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and the Maryland Department of the Environment. The
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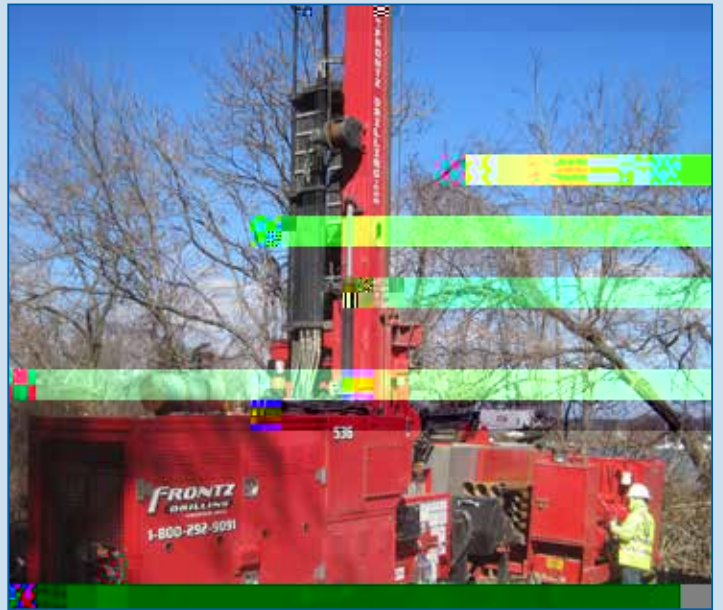


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at 7 p.m. The poster session will cover all aspects of
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Octv k p" U v c v g" C k t r q t v." c p f" y k m" k p e n w f g" v j g" n c v g u v" c x c k n c d n g"
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Martin State Airport:



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Uwduvpegu"rtqi tc o0"Vjku"kpvtqfwegf"vjg"tgs wktg o gpv"hqt"
an Administrative Consent Order. None of this changed
how we operate. We've always worked closely with all the
government agencies that oversee our work. It's good to
get the Administrative Consent Order completed. From
vjg"Łtuv"fc{"vjku"rtqlgev"dgi cp."Nqemjggf"Octvkp"jcu"dggp"
committed to getting the cleanup done and getting it done
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dwnm jgc f0" Yqtm"kp"Dnqem" I "y knn"cnuq"kpenwfg"tg o qxkpi "
a pipe related to the underground storage tank that was
tg o qxf"kp"42370

Hqt"ctgcu"v jcv"y gtg"kfgpvkLgf"cu"pggfkpi"tg o gfkcvkqp."
contaminated s20.300486.600-17.1(i)-18kM6.64(1/C20 1 Tf0.0 1e2



Martin relied on a food (sodium lactate) produced from the
uwi ctu"qh"eqtp."dggvu."cpf"qvjgt"rncpvu"kp"Dnqemu" I "cpf"K."cpf"

drain or other easy pathway. Lockheed Martin expects to

The November 2015 Fish Die-off in Middle River

C"uki pkLecpv"Łuj" fkg/qhh"qeewttgf"kp"vjg"wr rgt"Okf fng" River, Norman Creek, Hopkins Creek, Dark Head Cove, Cow Pen Creek and the upper reaches of Frog Mortar Creek

kp" o kf/Pqxo dgt"42370"Vjg"pw o dgt"qh"Łuj"vjcv"fkf"y cu" so high that the story was covered for several days in local

o g fkc0"Nkmg" o g o dgtu"qh"vjg"eq o o wpkv{."Nqemjggf"Octvkv" y cu"eqpegtpgf"d{ "v jku"gxgppv."cpf"y gpv"vq"gzvtcqt fkpct {" lengths to support the resulting investigations.

The Maryland Department of the Environment (MDE)

kpxgukivcgf"vjg"kpekfgpv"cpf"vj tqw i j"kvu"ncd"cpn{ugu" fgygt o kpgf"cvqzkp"tgngcugf"d{ " f { kpi"cnicg"ecwugf"vjg" fkg/ qhh0"Wpwuwcn{ " yct o "ygcvjgt" o c{ "jcxg"eqvtdwvq"vq" c" nct ig"cnicn"dnqq o 0"Gzeguukxg"pwvtkgpvu"kp"vjg"Ejgucrgcmg" Bay are also known to encourage algae growth. The warm

ygcvjgt"y cu"hqnnqygf"d{ "c"eqnf"upcr"vjcv"nkmg{ "mkngf"vjg" algae, releasing the toxins. Salinity levels were also higher than usual.

As part of the

