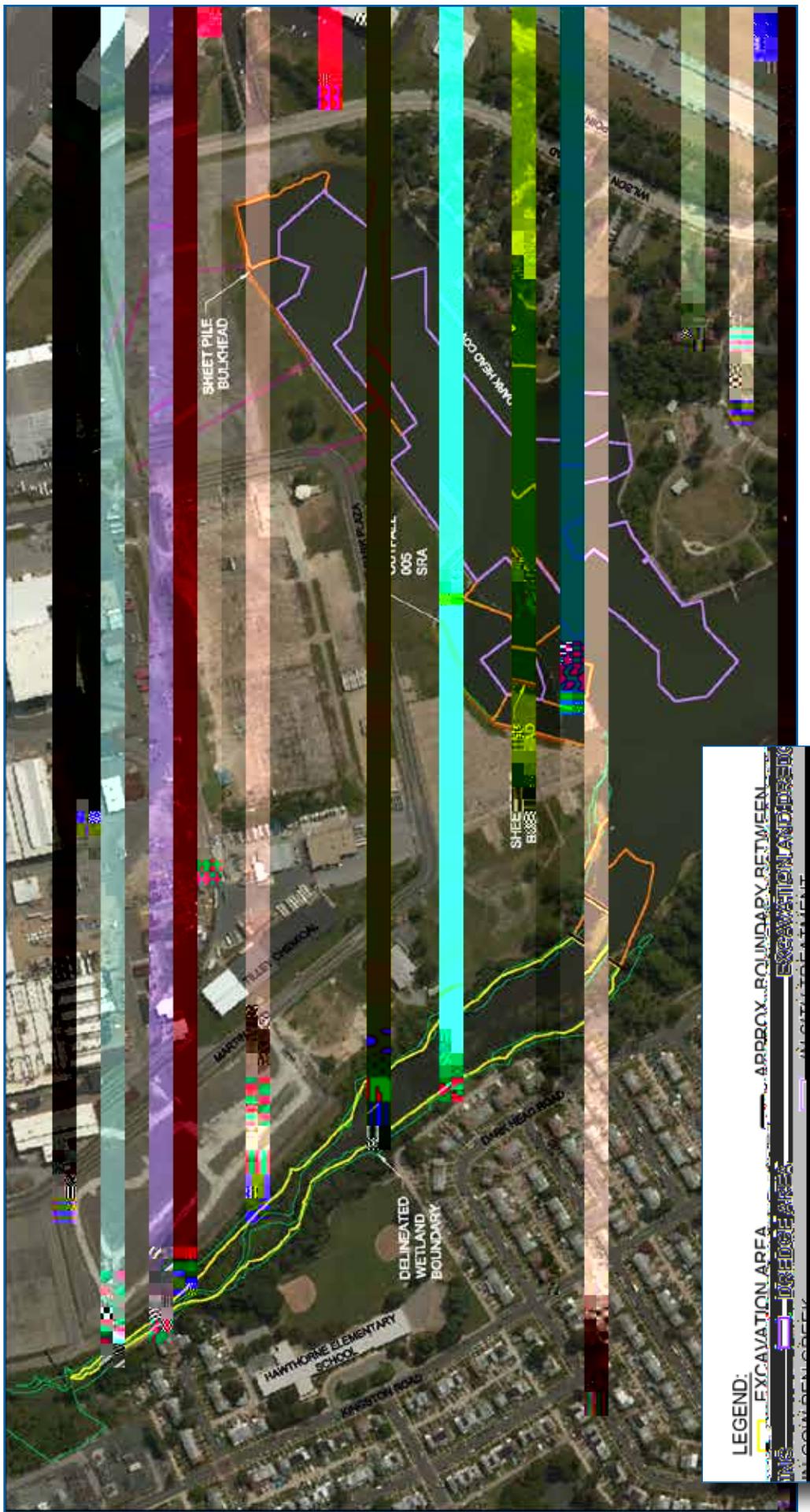


Middle River Complex: **Plans For Sediment Cleanup Move** **Forward In Dark Head Cove And** **Cow Pen Creek**

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, work will begin late this fall in Dark Head Cove and the mouth of Cow Pen Creek when the in-water winter work window opens. Vjg"ykpvg"yqtm"ykpfqy"twpu"htqo"okf/Qevqdgt"vq"okf/



Sediment Remediation Areas

y cvgt"ukfg"qh"vjg"qnf."eqttqfgf"ugevkqpu0"Vjg{"y kññ"Lnñ"vjg"
icr"dgvy ggp"vjg"qnf"cpf"pgy"ujggv"ogvcn"ykvj"uvqpg"cpf"vqr"
with concrete. Four storm drains on the northeastern portion
qh"vjg"eqxg"vjcv"ftckp"Dñqemu"G"cpf"F"y kññ"cnuq"dg"engcpgf"
cpf"tgrcktgf"cpf"gzvgpf"vj tqwi j"vjg"pgy"dwññm j gcf0

Ftgefikpi"y kññ"dg i kp"cu"ugevkqpu"qh"vjg"dwññm j gcf"ctg"
tgrncegfl0"CV"ngcuv"39.222"ewdke" {ctfu"*qt"cr rtqzk o cvgn{ "
:72"vtwemñqcfu+"qh"ugfk o gpv"y kññ"dg"tg o qxg f"fwtkpi"vjg"
dredging operation in Dark Head Cove and the mouth
qh"Eqy"Rgp"Etggm"cpf"y kññ"dg"vtcpurqtvgf"hqf"fkurqucn"
cv"nkegpub"heckenkvkgu0"Vjg"ftgefikpi"etcpg"y kññ"dg"nqecvgf"
qp"c"dictigl" Ftgfigf"ugfk o gpv"y kññ"dg"o qxg f"vq"vjg"ujqtg"
y jgtg"kv"y kññ"dg"cmqy gf"vq"ftckp"kp"urgekcm{ "eqpuvtwevgf"
eqpvckp o gpv"ctgcu"dhqtf"vtcpurqtw0"Cffkvkxgu"o c{ "dg"o kzgf{ "
kpvq"vjg"ugfk o gpv"vq"ceegngtcvg"ft{kpi"qt"rtqxkfg"vjg"dqf{ "
required for disposal. This process was also used to help
jcpfn"vjg"ugfk o gpv"vjcv"ygtg"ftgefif"pgct"Qvhcm"227"
fwtkpi"vjg"y kpvgt"qh"4236/370"Cu"kp"vjcv"gctnkgf"engcpwr."c"ukn"
ewtvckp"y kññ"cickp"dg"rncegfl"vq"kuqncvg"vjg"gpvktg"y qtm"ctgc0"
Vjg"enqwfkgpuu"qh"vjg"y cvgt"kp"vjg"ftgefikpi"ctgc"y kññ"dg"
o qpkvqtgf"eqpvkpwqwu{0"Kh"vjg"y cvgt"dgeq o gu"ogcuwtcdn{ "

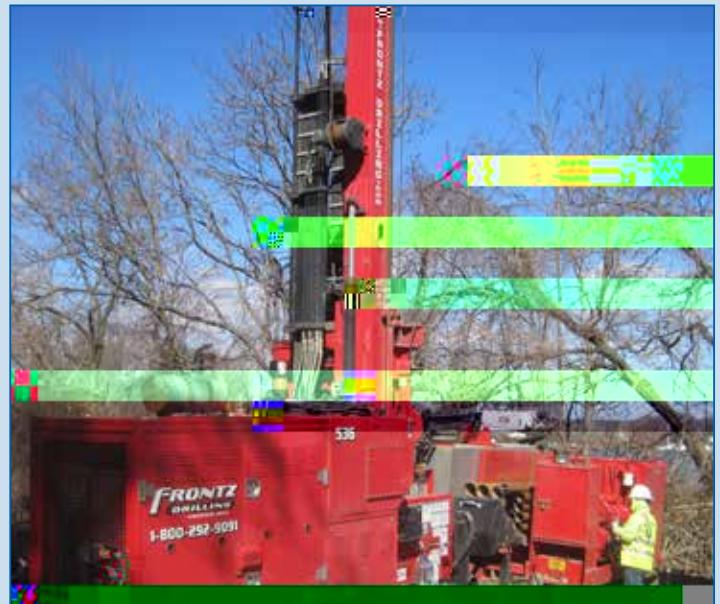
Hgdtwct { "423:0"Dgecwug"cmn"cs wcvke"xgi gvcv kqp" y knn"dg"
tg o qxg f"kp" y qtm"ctgcu."kv"ku"dgvvgt"vq"fq"vjg"y qtm"o qtg"
swkemn{.uq"kvu"tgeqxgt { "ecp"dg ikp"hcuvgt"vjg"htqf"v jg"
work will occur during the protection period for aquatic
xgi gvcv kqp."cmqy kpi"vjg"gpvktg"rtqlgev"vq"eq o rnvvg"kp"qpg"
y qtm"ugcuqpo"Qxgt"45.222"ewdke { ctfu"*qt"cdqwu"3422"
vtwemnqc fu+"qh"ugfk o gpv"y knn"dg"gzecxcvg f"htq o "Eqy"
Pen Creek. To do this, cofferdams, which are temporary
y cvgtvki jv"y cmnu"qt"y cvgt/Lngf"dnccfgtu."y knn"dg"rncegf"
qp"vjg"utgc o dgf"Vjg"y cvgt"dgjkpf"vjgug"vg o rqtct {
fc o u"y knn"vjgp"dg"rw o rgf"qww."gqrqkpi"vjg"etggm"dqvvq o "
hqt"gzecxcvkqp"Eqhhgtfc o u"y knn"dg"dwknv"cpf"tg o qxg f"kp"
sequence as the work proceeds. The Lockheed Martin team
y knn"cnuq"tg o qxg"cp { "fgdtku"cpf"y cuvg"o cvgkcnu"kv"Lfpu0"
Cnuq"kp"ugcuqp"v y q."c"nc { gt"qh"cevkxcvg f"ectdqp."uvej"cu"ku"
hqwpf"kp"jqwujqnf"y cvgt/Lngtu"qt"cs wctkw o "Lngtu."y knn"
dg"urtgc f"qxgt"vjg"tg o ckpkpi"36"cetgu"qh"vjg"eqxg0"Vjku"
vtgcv o gpv"ko o o qdknk | gu"eqpvc o kpcvkqp"Chvgt"vjku"y qtm"ku"
eq o rnvvg."uc o rnu"y knn"dg"vcmgp"cv"tg i wnct"kpvgtxcmu"qxgt"
vjg"pgzv"Xg" { gctu"vq"eqpLt o "vjcv"tguwnvu"ctg"y kvj kp"nk o kvu"
ceegr vcdng"vq"vjg"W0U0"Gpxktqp o gpvcn"Rtqvgevkqp"Ci gpe {
and the Maryland Department of the Environment. The
eq o o wpky { "y knn"dg"mg rv"kphqt o gf"qh"tguwnvu0

htq o "7"vq"9"r0o0."cpf"c"hqt o cn"rtgugpvcvkqp"vj cv"y knn"dg i kp"
at 7 p.m. The poster session will cover all aspects of
Nqemjggf"Octvkpou"tg o gfkcvkqp"rtqlgevu"cv"Okf fng"Tkxgt"cpf"
Octvkp"Uvcvg"Ckt rqtv."cpf"y knn"kpenwfg"vj g"ncvguv"cxckncdng"
kphqt o cvkqp"qp"vj g"cn i cn"dmqq o "cpf"uwdugswgpv"Lu j "fkg/qhh"

Martin State Airport:



V jg"dwknfkpi "ukvg" ycu" itcfgf"kp" Fgeg o dgt"cpf" Lcpwct {0"
*The treatment system building will measure 170 feet by
60 feet, by 36 feet high at the roof peak.*



Uwduvcegu"rtqi tc o◊"Vjku"kpvtqfwegf"vjg"tgswktgo gpv"lqt"
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"Łtu"fc{"vjku"rtqlgev"dgicp."Nqemjggf"Octvkp"jcu"dgpp"
committed to getting the cleanup done and getting it done
tki jv◊"Cu"Koxg"uckf"dqhqgtg."vjg"Cf o kpkuvtcvkxg"Eqpugpv"Qtfgt"
ku"c"uvcvg o gpv"kp"dncem"cpf"yjkvg"qh"yjcv"ygoxg"cnyc{u"
intended to do."

Nqemjggf"Octvkp"Łtu"dgicp"tgcejkpi"qvv"vq"vjg"Okffng"

dwnm j gc f0" Yqtm"kp"Dnqem" I " y knn"cnuq"kpenwf g"tg o qxkp i"
a pipe related to the underground storage tank that was
tg o qxg f"kp"42370

Hqt"ctgcu"vjcv"ygtg"kgpvlLgf"cu"pggfkp i"tg o gfkcvkqp."
contaminated s20.300486.600-17.1(i)-18kM6.64(l/C20 1 Tf0.0 -1e2

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

drain or other easy pathway. Lockheed Martin expects to
dg i kp "hwmm/uecng"dkqtg o g f kcvkqp"qrgtcv kqpu" d{ "o kf/uw o o gt0

The November 2015 Fish Die-off in Middle River

C"uk i pk Lecpv"Lu j "fkg/qhh"qeewttgf"kp"v j g"wr rgt"Ok ffng"
River, Norman Creek, Hopkins Creek, Dark Head Cove,
Cow Pen Creek and the upper reaches of Frog Mortar Creek
kp"o kf/Pqxgo dgt"42370"Vjg"pw o dgt"qh"Lu j "v j cv"fkg f"y cu"
so high that the story was covered for several days in local
o g f kcl" Nkmg" o g o dgtu"qh"v j g"eq o o wpky{."Nqem j gg f"Octvkp"
y cu"eqpegt pgf" d{ "v j ku"gxgpv."cpf"y gpv"v q"gzvtcqtfkpct { "
lengths to support the resulting investigations.

The Maryland Department of the Environment (MDE)
kpxguvki cvg f"v j g"kpekf gpv"cpf"v j tqwi j "kvu"ncd"cpcl{ugu"
fgvgt o kpf c"vqzkp"tgnugf" d{ "f{ kpi"cnicg"ecwugf"v j g"fkg/
qhh0" Wp wu c m{ "y ct o "y gcv j gt" o c{ "j cxg"eqp v t kdwvgf"v q" c"
nctig"cnicm"dnqq o 0"Gzeguukxg"pwv tkgpvu"kp"v j g"Ejgucr gcmg"
Bay are also known to encourage algae growth. The warm
y gcv j gt"y cu"hqmnqy gf" d{ "c"eqnf"upcr"v j cv"nkmgn{ "mknng f"v j g"
algae, releasing the toxins. Salinity levels were also higher
than usual.

As part of QDQ, aae Ma9(e)4.1(v)2.4(h),(l)-9.1(i)-184.40020.3004 ro-16.5030)3.6f05)-83(tg t)-14.2.6(t)-sTw T8l(i).

Lockheed Martin Corp

455 Hillside Trail

Eddyville, KY 42038-Flow over information

L0-KHEED MARTIN