

JOINT FEDERAL/STATE APPLICATION FOR THE ALTERATION OF ANY FLOODPLAIN, WATERWAY, TIDAL OR NONTIDAL WETLAND IN MARYLAND

FOR AGENCY USE ONLY

Application Number _____ Date Determined Complete _____
Date Received by State _____ Date(s) Returned _____
Date Received by Corps _____
Type of State permit needed _____ Date of Field Review _____
Type of Corps permit needed _____ Agency Performed Field Review _____

- +++++
- Please submit 1 original and 6 copies of this form, required maps and plans to the Wetlands and Waterways Program as noted on the last page of this form.
 - Any application that is not completed in full or is accompanied by poor quality drawings may be considered incomplete and result in a time delay to the applicant.

Please check one of the following:

RESUBMITTAL: _____ APPLICATION AMENDMENT: _____ MODIFICATION TO AN EXISTING PERMIT: _____
JURISDICTIONAL DETERMINATION ONLY: _____ APPLYING FOR AUTHORIZATION _____
PREVIOUSLY ASSIGNED NUMBER (RESUBMITTALS AND AMENDMENTS) _____

DATE _____

1. APPLICANT INFORMATION:

APPLICANT NAME:

A. Name: _____ B. Daytime Telephone: 410-260-8768
C. Company: Maryland Department of Natural Resources D. Email Address: Claudia.Donegan@Maryland.gov
E. Address: 580 Taylor Avenue
F. City: Annapolis State: Maryland Zip: 21401

AGENT/ENGINEER INFORMATION:

A. Name: Keith Binsted B. Daytime Telephone: (410) 849 - 3211
C. Company: Underwood & Associates D. Email Address: Keith.Binsted@EcosystemRestoration.com
E. Address: 901A Commerce Road
F. City: Annapolis State: Maryland Zip: 21401

ENVIRONMENTAL CONSULTANT:

A. Name: Kevin Smith B. Daytime Telephone: 410-849-2329
C. Company: Maryland Department of Natural Resources D. Email Address: KevinM.Smith@Maryland.gov
E. Address: 580 Taylor Avenue
F. City: Annapolis State: Maryland Zip: 21401

CONTRACTOR (If known): _____

A. Name: UNKNOWN B. Daytime Telephone: _____
C. Company: _____ D. Email Address: _____
E. Address: _____
F. City: _____ State: _____ Zip: _____

PRINCIPAL CONTACT:

A. Name: Sara Caldes B. Daytime Telephone: 410-849-2329
C. Company: Severn River Keeper D. Email Address: S.Caldes@SevernRiverKeeper.org
E. Address: 329 Riverview Trail
F. City: Annapolis State: Maryland Zip: 21401

2. PROJECT DESCRIPTION

a. GIVE WRITTEN DESCRIPTION OF PROJECT:

Stream and wetland restoration by reconnecting a heavily incised stream to its detached floodplain. This will be achieved by filling the deeply incised channel with native sands & gravels and woodchips to return the stream bed to near floodplain levels. Stable cobble riffle grade controls will be implemented across the length and width of the valley to safely pass large storms. Goals include promoting floodplain connection, stable surface conveyance, and establishing sub-surface seepage.

Has any portion of the project been completed? _____ Yes No _____ If yes, explain _____

Is this a residential subdivision or commercial development? _____ Yes No _____
 If yes, total number of acres on property _____ acres

Will there be temporary or permanent tree clearing occurring on the overall project site (i.e., uplands and wetlands), including but not limited to, tree clearing for site development, road/highways, utilities, mining, stormwater management, restoration, energy production and transmission, etc.)? Yes _____ No _____

If yes, total estimated acres of tree clearing for the overall project site: _____ acres
 *Minimal tree removal is anticipated in uplands along approximately 25' wide corridor for project access - tree removal will be avoided to the greatest extent feasible

b. ACTIVITY: Check all activities that are proposed in the wetland, waterway, floodplain, and nontidal wetland buffer as appropriate.

- A. filling
- B. _____ dredging
- C. excavating
- D. flooding or impounding water "Max depth: 12"
- E. _____ draining
- F. grading
- G. removing or destroying vegetation
- H. _____ building structures

Area for item(s) checked: Wetland 70,316 (sq. ft.) Buffer (Nontidal Wetland Only) 68,795 (sq. ft.)
 Expanded Buffer (Nontidal Wetland Only) N/A (sq. ft.)

Area of stream impact 22,005 (sq. ft.)
 Length of stream affected 2,468 (linear feet)

c. TYPE OF PROJECTS: Project Dimensions

For each activity, give overall length and width (in feet), in columns 1 and 2. For multiple activities, give total area of disturbance in square feet in column 3. For activities in tidal waters, give maximum distance channelward (in feet) in column 4. For dam or small ponds, give average depth (in feet) for the completed project in column 5. Give the volume of fill or dredged material in column 6.

	Length (Ft.)	Width (Ft.)	Area (Sq. Ft.)	Maximum/Average Channelward Encroachment	Pond Depth	Volume of fill/dredge material (cubic yards) below MHW or OHW
	1	2	3	4	5	6
A. _____ Bulkhead	_____	_____	_____	_____	_____	_____
B. _____ Revetment	_____	_____	_____	_____	_____	_____
C. _____ Vegetative Stabilization	_____	_____	_____	_____	_____	_____
D. _____ Gabions	_____	_____	_____	_____	_____	_____
E. _____ Groins	_____	_____	_____	_____	_____	_____
F. _____ Jetties	_____	_____	_____	_____	_____	_____
G. _____ Boat Ramp	_____	_____	_____	_____	_____	_____
H. _____ Pier	_____	_____	_____	_____	_____	_____
I. _____ Breakwater	_____	_____	_____	_____	_____	_____
J. _____ Repair & Maintenance	_____	_____	_____	_____	_____	_____
K. _____ Road Crossing	_____	_____	_____	_____	_____	_____
L. _____ Utility Line	_____	_____	_____	_____	_____	_____
M. _____ Outfall Construction	_____	_____	_____	_____	_____	_____
N. _____ Small Pond	_____	_____	_____	_____	_____	_____
O. _____ Dam	_____	_____	_____	_____	_____	_____
P. _____ Lot Fill	_____	_____	_____	_____	_____	_____
Q. _____ Building Structures	_____	_____	_____	_____	_____	_____
R. _____ Culvert	_____	_____	_____	_____	_____	_____
S. _____ Bridge	_____	_____	_____	_____	_____	_____
T. _____ Stream Channelization	_____	_____	_____	_____	_____	_____
U. _____ Parking Area	_____	_____	_____	_____	_____	_____
V. _____ Dredging	_____	_____	_____	_____	_____	_____

W. 1. New 2. Maintenance 3. Hydraulic 4. Mechanical
 Other (explain) Stream and Wetland Restoration - Length: 2,200 ft - Width: 160 ft (avg) - Pond Depth: Max. 1 ft - Fill: 12,738 CY

F. Explanation Based on comments received at the pre-application meeting, the project was redesigned to limit depth of fill on wetlands, minimize LOD on wetlands, and location of some cobble riffle (structures) were tweaked to avoid wetlands.

Describe reasons why impacts were not avoided or reduced in Q. Also check Items G-P that apply to your project.

- | | | |
|---|--|---|
| G. <input type="checkbox"/> Cost | K. <input type="checkbox"/> Parcel size | N. <input type="checkbox"/> Safety/public welfare issue |
| H. <input checked="" type="checkbox"/> Extensive wetlands on site | L. <input type="checkbox"/> Other regulatory requirement | O. <input type="checkbox"/> Inadequate zoning |
| I. <input checked="" type="checkbox"/> Engineering/design constraints | M. <input checked="" type="checkbox"/> Failure to accomplish project purpose | P. <input type="checkbox"/> Other _____ |
| J. <input checked="" type="checkbox"/> Other natural features | | _____ |

Q. Description The project must remain stable in large storm events - due to drastically increased storm flows due to development, this requires valley wide grade control. Complete avoidance of the extensive wetlands in portions of the valley would prevent proper, long-term restoration and thus would fail to accomplish the project purpose.

5. LETTER OF EXEMPTION: If you are applying for a letter of exemption for activities in nontidal wetlands and/or their buffers, explain why the project qualifies:

- | | |
|---|--|
| A. <input type="checkbox"/> No significant plant or wildlife value and wetland impact | B. <input type="checkbox"/> Repair existing structure/fill |
| 1. <input type="checkbox"/> Less than 5,000 square feet | C. <input type="checkbox"/> Mitigation Project |
| 2. <input type="checkbox"/> In an isolated nontidal wetland less than 1 acre in size | D. <input type="checkbox"/> Utility Line |
| E. Other (explain) _____ | 1. <input type="checkbox"/> Overhead |
| | 2. <input type="checkbox"/> Underground |

F. Check here if you are **not** applying for a letter of exemption.

IF YOU ARE APPLYING FOR A LETTER OF EXEMPTION, PROCEED TO BLOCK 10

6. ALTERNATIVE SITE ANALYSIS: Explain why other sites that were considered for this project were rejected in M. Also check any items in D-L if they apply to your project. **(If you are applying for a letter of exemption, do not complete this block.)**

- | | | |
|------------------------------------|---|---|
| A. <input type="checkbox"/> 1 site | B. <input type="checkbox"/> 2 - 4 sites | C. <input type="checkbox"/> 5 or more sites |
|------------------------------------|---|---|

Alternative sites were rejected/not considered for the following reason(s):

- | | | |
|--|--|---|
| D. <input type="checkbox"/> Cost | H. <input type="checkbox"/> Greater wetlands impact | L. <input type="checkbox"/> Other _____ |
| E. <input type="checkbox"/> Lack of availability | I. <input type="checkbox"/> Water dependency | _____ |
| F. <input checked="" type="checkbox"/> Failure to meet project purpose | J. <input type="checkbox"/> Inadequate zoning | _____ |
| G. <input type="checkbox"/> Located outside general/market area | K. <input type="checkbox"/> Engineering/design constraints | _____ |

M. Explanation: The purpose of this project is to restore specifically this reach of stream. This reach has been identified as a high priority for restoration and landowner authorization is available. Relocation of the project would fail to accomplish the project purpose.

7. PUBLIC NEED: Describe the public need or benefits that the project will provide in F. Also check Items in A-E that apply to your project. **(If you are applying for a letter of exemption, do not complete this block.)**

- | | | |
|---|--|---|
| A. <input checked="" type="checkbox"/> Economic | C. <input checked="" type="checkbox"/> Health/welfare | E. <input type="checkbox"/> Other <u>Recreation</u> |
| B. <input checked="" type="checkbox"/> Safety | D. <input type="checkbox"/> Does not provide public benefits | _____ |

F. Description Stream restorations provide economic, safety, and health/welfare benefits by sequestering nutrients and sediments on the restored floodplain, reducing peak floods downstream, and removing steep/deep stream banks.

Check box if data is enclosed for any one or more of the following (see checklist for required information):

- | | | |
|--|---|---|
| A. <input type="checkbox"/> Soil borings | D. <input type="checkbox"/> Field surveys | G. <input checked="" type="checkbox"/> Site plan |
| B. <input checked="" type="checkbox"/> Wetland data sheets | E. <input type="checkbox"/> Alternate site analysis | H. <input checked="" type="checkbox"/> Avoidance and
minimization analysis |
| C. <input type="checkbox"/> Photographs | F. <input type="checkbox"/> Market analysis | |
| I. <input type="checkbox"/> Other (explain) _____ | | |

CERTIFICATION:

I hereby designate and authorize the agent named above to act on my behalf in the processing of this application and to furnish any information that is requested. I certify that the information on this form and on the attached plans and specifications is true and accurate to the best of my knowledge and belief. I understand that any of the agencies involved in authorizing the proposed works may request information in addition to that set forth herein as may be deemed appropriate in considering this proposal. I certify that all Waters of the United States have been identified and delineated on site, and that all jurisdictional wetlands have been delineated in accordance with the Corps of Engineers Wetlands Delineation Manual (Wetlands Research Program Technical Report Y-87-1). I grant permission to the agencies responsible for authorization of this work, or their duly authorized representative, to enter the project site for inspection purposes during working hours. I will abide by the conditions of the permit or license if issued and will not begin work without the appropriate authorization. I also certify that the proposed works are consistent with Maryland's Coastal Zone Management Plan. All information, including permit applications and related materials, submitted to MDE may be subject to public disclosure consistent with the Maryland Public Information Act, §4-101 *et seq.*, General Provisions Article of the Maryland Code and the Freedom of Information Act, 5 USC Section 552 *et seq.* Pursuant to Clean Water Act Section 404(o), 33 USC 1344 (o), permit applications and permits will be available to the public. I understand that I may request that additional required information be considered confidential under applicable laws. I further understand that failure of the landowner to sign the application will result in the application being deemed incomplete.

LANDOWNER MUST SIGN: *Rory A. Howell* DATE: *8-14-18*

WHERE TO MAIL APPLICATION

Maryland Department of the Environment
Water and Science Administration
Regulatory Services Coordination Office
1800 Washington Boulevard, Suite 430
Baltimore, Maryland 21230
Telephone: (410) 537-3762
1-800-633-6101

BEFORE YOU MAIL... DON'T FORGET...

- **SIGN AND DATE THE APPLICATION. THE LANDOWNER MUST SIGN.**
- **SEVEN (7) COPIES OF ALL DOCUMENTS (APPLICATION, PLANS, MAPS, REPORTS, ETC.) MUST BE RECEIVED TO BEGIN OUR REVIEW.**
- **INCLUDE SEVEN (7) COPIES OF A VICINITY MAP (LOCATION MAP) WITH THE PROJECT SITE PINPOINTED.**
- **SEND AN APPLICATION FEE OF \$750 ALONG WITH A COPY OF THE FIRST PAGE OF THE APPLICATION TO MARYLAND DEPARTMENT OF THE ENVIRONMENT, P.O. BOX 2057, BALTIMORE, MD 21203-2057. PLEASE REFER TO OUR WEBSITE <http://www.mde.maryland.gov> FOR FURTHER INSTRUCTIONS.**