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

App Dat Dat	e Received by State e Received by Corps	Date Determined Complete Date(s) Returned  Date of Field Review Agency Performed Field Review			
	+++++++++++++++++++++++++++++++++++++++				
• .	Please submit 1 original and 6 copies of this form, required map the last page of this form.  Any application that is not completed in full or is accompanied to a time delay to the applicant.	-			
Plea	ase check one of the following:				
JUI	SUBMITTAL: APPLICATION AMENDMENT: RISDICTIONAL DETERMINATION ONLY: EVIOUSLY ASSIGNED NUMBER (RESUBMITTALS AND A	APPLYING FOR AUTHO	AN EXISTING PERMIT:		
DA	TE				
1.	APPLICANT INFORMATION:				
AP	PLICANT NAME:				
A.	Name:	B. Daytime Telephon	ne: 410-260-8768		
C.	Company: Maryland Department of Natural Resources	D. Email Address: Claudia			
E.	Address: 580 Taylor Avenue				
F.	City: Annapolis	State: Maryland	Zip: <u>21401</u>		
AG	ENT/ENGINEER INFORMATION:				
A.	Name: Keith Binsted	B. Daytime Telephon	ne: (410) 849 - 3211		
C.	Company: Underwood & Associates		nsted@EcosystemRestoration.com		
E.	Address: 901A Commerce Road				
F.	City: Annapolis	State: Maryland	Zip: <u>21401</u>		
EN	VIRONMENTAL CONSULTANT:				
A.	Name: Kevin Smith	B. Daytime Telephon	ne: 410-849-2329		
C.	Company: Maryland Department of Natural Resources	D. Email Address: KevinM.			
E.	Address: 580 Taylor Avenue				
F.	City: Annapolis	State: Maryland	Zip: <u>21401</u>		
CO	ONTRACTOR (If known):				
A.	Name: UNKNOWN	B. Davtime Telephon	ne:		
C.	Company:	D. Email Address:			
E.	Address:	-			
F.	City:	State:	Zip:		
PR	INCIPAL CONTACT:				
A.	Name: Sara Caldes	B. Daytime Telephon	ne: 410-849-2329		
C.	Company: Severn River Keeper		es@SevernRiverKeeper.org		
E.					
F.	City: Annapolis	State: Maryland	Zip: 21401		

## 2. PROJECT DESCRIPTION

	MODITAL	DESCRIPTION	OF DDO IFCT.

Stream and wetland restoration by reconnectin channel with native sands & gravels and wood	chips to return	the stream	bed to near flo	odplain levels.	Stable cobble	riffle grade co	ontrols will be implemente
across the length and width of the valley to safe							
establishing sub-surface seepage.  Has any portion of the project been com	pleted?		Yes _	✓ No	If yes	, explain	
Is this a residential subdivision or comm. If yes, total number of acres on property  Will there be temporary or permanent tree clearing for site development, road/highways  Yes No  If yes, total estimated acres of tree clearing f	earing occurrs, utilities, min	acres ing on the c ning, storm	verall project : water manager				
*Minimal tree removal is anticipated in uplands a b. ACTIVITY: Check all activities thappropriate.	llong approxim	ately 25' wid	e corridor for pr				
A. ✓ filling B. dredging C. ✓ excavating	D. <b>✓</b> E		or impoundir Max depth: 12"	ng	F. G. H.	veg	ding loving or destroying etation ding structures
•	70,316 uffer (Nonti (sq. ft.) (linear	dal Wetlan		ontidal Wetla N/A	• /	68,795	(sq. ft.)
c. TYPE OF PROJECTS: Project D		,					
For each activity, give overall length and square feet in column 3. For activities in ponds, give average depth (in feet) for the	n tidal water	s, give ma	ximum distar	nce channelw	ard (in feet) me of fill or Average d	in column 4.	For dam or small
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							
1. ✓ New 2 W. ✓ Other (explain) Stream and		ntenance	3	Hydra Hydra		4	Mechanical

**d. PROJECT PURPOSE:** Give brief written description of the project purpose:

The goals of this project are to restore impaired hydrological, hydraulic, geomorphic, and physiochemical functions of on-site stream and wetland ecosystems. Hydrologic impairments will be addressed where possible by slowing and infiltrating surface run-off as it flows towards the stream. Hydraulic impairments will be addressed by maximizing the width-to-depth ratio of the stream, therefore maximizing floodplain connection and by installing subsurface seepage pathways which will normalize baseflow regimes. Geomorphologic impairments will be addressed by incorporating large amounts of coarse woody material salvaged from on-site to increase habitat diversity and by filling the existing channel to resolve channelized flows leading to stream bank erosion. Physio-chemical impairments will be addressed by installed subsurface seepage pathways and the expanded hyporheic zone which will regulate water temperatures and promote nutrient processing. Restoration of these base functions is expected to result in restoration of biological functions as well since upstream and downstream reaches provide likely sources for colonization.

subsurface seepage pathways and the expanded hyporheic zone which will regulate water temperatures and promote nutrient processing.
Restoration of these base functions is expected to result in restoration of biological functions as well since upstream and downstream reaches provide likely sources for colonization.
3. PROJECT LOCATION:
a. LOCATION INFORMATION:
A. County: Anne Arundel B. City: Millersville C. Name of waterway or closest waterway Jabez Branch - Trib. 3
D. State stream use class designation: Class III
E. Site Address or Location: Approximately 1510 Jabez Run Road, Millersville, Maryland, 21108
F. Directions from nearest intersection of two state roads: From intersection of Hog Farm Road and Jabez Run, proceed
northeast along Jabez Run until reaching Strayer University. Enter woods behind Strayer University and head downhill
until reaching the stream. Proceed appropriately 450 feet downstream to reach upstream end of the project.
G. Is your project located in the Chesapeake Bay Critical Area (generally within 1,000 feet of tidal waters or tidal wetlands)?:
Yes √ No
H. County Book Map Coordinates (Alexandria Drafting Co.); Excluding Garrett and Somerset Counties:
Map: 5172 Letter: H & J Number: 8 & 9 (to the nearest tenth)  I. FEMA Floodplain Map Panel Number (if known): 24003C0184E
J. 1. 39.0782 latitude 276.6325 longitude
J. 1. 39.0782 latitude 276.6325 longitude
b. ACTIVITY LOCATION: Check one or more of the following as appropriate for the type of wetland/waterway where you are
proposing an activity:
A Tidal Waters F 100-foot buffer (nontidal wetland H 100-year floodplain
A.       Tidal Waters       F.       100-foot buffer (nontidal wetland       H.       ✓       100-year floodplain         B.       Tidal Wetlands       of special State concern)       (outside stream channel)         C.       Special Aquatic Site       G.       ✓       In stream channel       I.       River, lake, pond
A Tidal Waters F 100-foot buffer (nontidal wetland B Tidal Wetlands G In stream channel G Wontidal H 100-year floodplain (outside stream channel)  C Special Aquatic Site G In stream channel G Wontidal J. Other (Explain)
(e.g., mudflat, 1 Tidal 2 Nontidal J Other (Explain)
vegetated shallows)  D. ✓ Nontidal Wetland
E. V Nontidal Wetland  E. V 25-foot buffer (nontidal
wetlands only)
wentunds only)
c. LAND USE:
A Compatible of Development I and Assistation of Head Confidence of the Confidence o
A. Current Use of Parcel Is: 1 Agriculture: Has SCS designated project site as a prior converted cropland?YesNo
2Wooded       3 Marsh/Swamp       4 Developed         5 Other       Developed
JOulci
B. Present Zoning Is: 1 Residential 2 Commercial/Industrial 3 Agriculture 4 Marina 5 Other
C. Project complies with current zoning Yes No
THE FOLLOWING INFORMATION IS REQUIRED BY THE STATE (blocks 4-7):
4. REDUCTION OF IMPACTS: Explain measures taken or considered to avoid or minimize wetland losses in F. Also check
Items A-E if any of these apply to your project.
A Reduced the area of R Reduced size/scope of C Relocated structures
A. $\checkmark$ Reduced the area of disturbance B. Reduced size/scope of D. Relocated structures D. Redesigned project
redesigned project
E. Other

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. K. Parcel size N. Safety/public welfar
L. Other regulatory O. Inadequate zoning requirement P. Other N. \_\_\_\_ Safety/public welfare issue \_\_\_ Cost ✓ Extensive wetlands on site ✓ Engineering/design M. Failure to accomplish constraints ✓ Other natural features 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: B. \_\_\_\_\_ Repair existing structure/fill No significant plant or C. Mitigation Project
D. Utility Line wildlife value and wetland impact Less than 5,000 square 1. Overhead 2. Underground feet In an isolated nontidal wetland less than 1 acre in size Other (explain) ✓ 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.) B. \_\_\_\_\_ 2 - 4 sites C. \_\_\_\_\_ 5 or more sites A. 1 site Alternative sites were rejected/not considered for the following reason(s): Cost Greater wetlands Other impact I. Water dependency
J. Inadequate zoning
K. Engineering/design Lack of availability ✓ Failure to meet project purpose Located outside general/market area 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.) C. ✓ Health/welfare E. Other Recreation
D. Does not provide public ✓ Economic **√** Safety 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.

Explanation Based on comments received at the pre-application meeting, the project was redesigned to limit depth

8. MITIGATION PLAN: Please complete this block.)	e provide the following information. (If you are ap	oplying for a letter of exemption, do not
37/4	npensation proposal, if applicable (for state requirer	ments only). Attach another sheet if
		_
b. Give a brief description of the	proposed mitigation project. N/A	
	_	
1 37/4	ur proposed mitigation site, including what other area	as were considered and why they were
		_
d. Describe how the mitigation si	ite will be protected in the future. $N/A$	
Provide names and mailing addresse not complete this block.) a. Gayer Brothers LLC 836 Ritchie Highway Severna Park, MD, 21146	b. Thomas Davenport  1500 Jabez Run Millersville, MD, 21108	A. V* Yes B. No I are applying for a letter of exemption, do  c. Brown Trustee - Elaine W 633 Cecil Ave N, Millersville, MD, 21108
d. Edward L Green Sr. 605 Cecil Ave N	e. Tevon J Miller 601 Cecil Ave N	f. Warren A & Helen J Sears 599 Cecil Ave N
Millersville, MD, 21108 10. OTHER APPROVALS NEED	Millersville, MD, 21108	Millersville, MD, 21108
10. OTHER ATTROVALS NEED	J	
A Agency		D Decision F Other
A. Agency	B. Date C. Decision Sought 1. Granted 2. Denie	D. Decision E. Other ed Date Status
	B. Date C. Decision Sought 1. Granted 2. Denie	
A. Agency  Anne Arundel Co Grading/E&S	B. Date C. Decision Sought 1. Granted 2. Denie	
	B. Date C. Decision Sought 1. Granted 2. Denie	
	B. Date C. Decision Sought 1. Granted 2. Denie	
Anne Arundel Co Grading/E&S  11. HISTORIC PROPERTIE	B. Date C. Decision Sought 1. Granted 2. Denie	properties? (For example: structures over 50
Anne Arundel Co Grading/E&S  11. HISTORIC PROPERTIE years old, archeological sites, shell in	B. Date C. Decision Sought 1. Granted 2. Denie  Not yet sought  ES: Is your project located in the vicinity of historic	properties? (For example: structures over 50
Anne Arundel Co Grading/E&S  11. HISTORIC PROPERTIE years old, archeological sites, shell in  A Yes B✓* No.	B. Date C. Decision Sought 1. Granted 2. Denice  Sought 1. Granted 2. Deni	properties? (For example: structures over 50 upplemental information in Section 12.

A.
Soil borings
D.
Field surveys
G.
✓ Site plan

B.
✓ Wetland data sheets
E.
Alternate site analysis
H.
✓ Avoidance and minimization analysis

C.
Photographs
F.
Market analysis
minimization analysis

I. Other (explain)

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

## 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: Tany A. Dhuell DATE: 814-18

VALUEDE TO MAIL ADDI ICATION

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 <u>SEVEN (7) COPIES</u> OF A <u>VICINITY MAP</u> (LOCATION MAP) WITH THE <u>PROJECT SITE</u> <u>PINPOINTED</u>.
- SEND AN <u>APPLICATION FEE OF \$750</u> 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 <a href="http://www.mde.maryland.gov">http://www.mde.maryland.gov</a> FOR FURTHER INSTRUCTIONS.