



**Maryland Department of the Environment**

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# **Restoration and Regulatory Issues**

**Presented by:**

**Wetlands and Waterways Program**

**Maryland Department of the Environment**

**STAC Workshop**

**May 6, 2014**





**Maryland has been permitting stream restoration projects for many years.**

- **Waterway Construction Act of 1933.**
- **Tidal Wetlands Act of 1970**
- **Nontidal Wetlands Act of 1989**
- **COMAR 26.17.04**

**Only the choices have changed:**

**NCD/RSC/Sed. Removal/others?**





# Alternatives & Avoidance/Minimization

**Concept applies across all three statutes and regulations for reducing adverse impacts to regulated resources and their continued ability to provide desirable functions.**





# **Hydrologic & Hydraulic Analysis**

**H&H analysis is required for changes to the course, current or cross-section of waters of the State (unless waived).**

- Helps with proper design**
- Risk of flooding to others**
- Shear stress comparison**
- Withstand flood forces up to 100-year event**
- Changes to mapped FEMA floodplain**





# **Permitting Turnaround Times**

- **Minor project – 10 months**
- **Major project – (requires public notice) 1-year**

**The above time frames can be reduced by the submission of a complete application.**





# Monitoring

- **MDE typically requires structural monitoring for a period of time after project completion.**
- **Any project failures should be corrected – with permitting approval.**
- **Monitoring for other parameters is becoming more commonplace. Pooled monitoring has been discussed.**





## What will help?

- **Pre-application site meetings.**
- **Functional framework could help with a consistent/verifiable way to assess existing conditions and assess potential uplift.**
- **Contacts:**





## WATERWAY CONSTRUCTION DIVISION CONTACTS BY COUNTY

| COUNTY   | PROJECT ENGINEER  | TELEPHONE    | EMAIL ADDRESS                  |
|--|-------------------|--------------|--------------------------------|
| Frederick County<br>Washington County, East of I-81                  | Wuhib Bayou       | 410-537-3605 | Wuhib.bayou@maryland.gov       |
| Allegany County<br>Garrett County<br>Washington County, West of I-81 | Paul Busam        | 410-537-3213 | Paul.busam@maryland.gov        |
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| Carroll County<br>Howard County                                      | Debra Correia     | 410-537-3900 | Debra.correia@maryland.gov     |
| Harford County<br>Cecil County                                       | Tamene Dilnesahu  | 410-537-3803 | Tamene.dilnesahu@maryland.gov  |
| Calvert County<br>Charles County<br>St. Mary's County                | Mohammad Ebrahimi | 410-537-3816 | Mohammad.ebrahimi@maryland.gov |
| Anne Arundel County<br>Eastern Shore                                 | Kelly Flint       | 410-537-3536 | Kelly.flint@maryland.gov       |
| Montgomery County  | Hira Shrestha     | 410-537-4247 | Hira.shrestha@maryland.gov     |
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Questions?

