

CHECKLIST OF INFORMATION

**needed for evaluation of potential impacts to the
 Federally Threatened Puritan Tiger Beetle (*Cicindela puritana*)
 for the U.S. Fish and Wildlife Service and Maryland Department of Natural Resources**

The purpose of this document is to enable a project proponent to describe their project providing the most important aspects that are relevant to its potential impacts to the Federally threatened (and state endangered) Puritan tiger beetle (*Cicindela puritana*). This information will enable a more efficient review by the US Fish and Wildlife Service and the Maryland Department of Natural Resources.

_____ Project Name

_____ Landowner(s)

_____ Addresses

_____ Project Location – County & State

_____ USGS Quadrangle:

_____ Site Map, including aerial photography if possible

_____ Project Point Location: Tax Map and Parcel Number

_____ Contact Name and phone number

_____ Date:

_____ **Project Description** (Include a plan view and cross-section of the project showing the proposed project in relation to the Mean higher high water line (MHHW) and mean lower low water line (MLLW) showing property boundaries and the proposed structures and any areas to be filled or graded).

_____ Proposed Action type(*e. g. revetment, breakwaters, groins, geofabric placement, etc.*)

_____ Length of Shoreline affected

_____ Length of Cliff affected

_____ A description of proposed habitat alteration, including physical alteration of beach or cliff habitat.

_____ Community Property affected (Describe any community property [Homeowners Association, etc.] included within the project area. Written approval or grant of authority by the homeowner’s association, etc., to construct on community property must be provided before permit can be issued).

_____ Adjacent land use(s)

_____ Will your project be permitted, funded, or carried out by a federal or state agency (for example, joint permit from Corps of Engineers and Maryland Dept. of the Environment)?

_____ Agency name(s), if applicable.

_____ Describe alternatives considered and reasons why these alternatives were not used. Alternatives include off-shore breakwaters and other structures that do not impact the beach.

_____ Describe measures to be employed to avoid, eliminate, and minimize adverse effects:

[e.g.: 1) Avoiding construction activities during the adult breeding season of June through August to minimize adult tiger beetle mortality; 2) Limiting construction activities so as to minimize impacts to the beach habitat and to the cliff habitat; 3) Limiting other actions that harm adult Puritan tiger beetles, larvae, or habitat.

_____ Describe conservation measures to be employed to compensate for habitat alteration. This includes mitigation to meet state incidental take permit requirements. Note: state regulations require that mitigation shall be implemented whenever the habitat alteration will render a significant portion of the project site unsuitable for Puritan tiger beetles either in their adult or larval life forms. This could include, but is not limited to, revetment projects alone, revetment projects with geotextile material on the cliff, geotextile projects on the cliff alone, and most other types of shoreline erosion control. Applicants should be aware that revetments on the beach render the area of the project unsuitable in the long-term and will require mitigation. It shall occur at a ratio of at least 1:1 based on the loss of carrying capacity at the project site following project construction.

_____ Identify the parcels to be conserved through a conservation easement.

_____ Provide letter of willingness of landowner to sell easement or completed easement. Conservation easements must prevent shoreline erosion control measures and new construction within 200 feet of the shoreline. Construction can occur further back on the property. Names of land trusts or other organizations that can potentially hold the easement can be provided.

Please include the following attachments:

1. Location map of project site
2. Most recent plan view and cross-section of the project, incorporating all impacts and conservation measures
3. Location map of mitigation parcels.*
4. Letter from Land Trust or other organization that relays a commitment to hold an easement on any relevant conservation properties*
5. Consultation to Date (a list of any meetings or correspondence with any agency regarding this species)

**required, if applicable*

Please send this information and attachments to:

Endangered Species Program
 Attn: Puritan tiger beetle project
 Chesapeake Bay Field Office
 177 Admiral Cochrane Drive
 Annapolis, MD 21401
 410/573 4500
<http://www.fws.gov/chesapeakebay>

File: P: Strategic Resource Conservation/Endfed/Puritan tiger beetle/Checklist of Project Informaton4