

Species Conclusions Table

Project Name: UJ-4 James River (Cole)

Date: 10/24/2018

Species/Resource Name	Conclusion	ESA Section 7 / Eagle Act	Species Info / Habitat Description	Notes / Determination
<i>Myotis sodalis</i> Indiana Bat	Species possibly present in vicinity, though not in areas of activity.	No effect*	Federal-listed Endangered Species. Summer habitat: river and stream corridors with well-developed riparian woods. Winter habitat: caves/ mines.	FWS documents species within vicinity; DGIF maps this species within a 3-mile radius of the Mitigation Site
<i>Myotis septentrionalis</i> Northern Long-eared Bat	Species possibly present in vicinity, though not in areas of activity.	No effect*	Federal-listed Threatened Species. Summer habitat: woods Winter habitat: caves/ mines.	FWS documents species within vicinity; DGIF maps this species within a 3-mile radius of the Mitigation Site
<i>Pleurobema collina</i> James Spiny mussel	Species potentially present in Calfpasture River that runs through property, though not in areas of activity.	No effect*	Federal-listed Endangered Species. Aquatic habitat.	FWS documents species within vicinity; DGIF maps this species within a 3-mile radius of the Mitigation Site and designates Calfpasture River as predicted habitat for species.
<i>Arabis serotina</i> Shale Barren Rock Cress	Species possibly present in vicinity, though not in areas of activity.	No effect*	Federal-listed Endangered Species. Shale barrens and shale ridge balds.	FWS documents species within vicinity.

*No effect determination. Mitigation Site activities are not expected to negatively affect listed species.

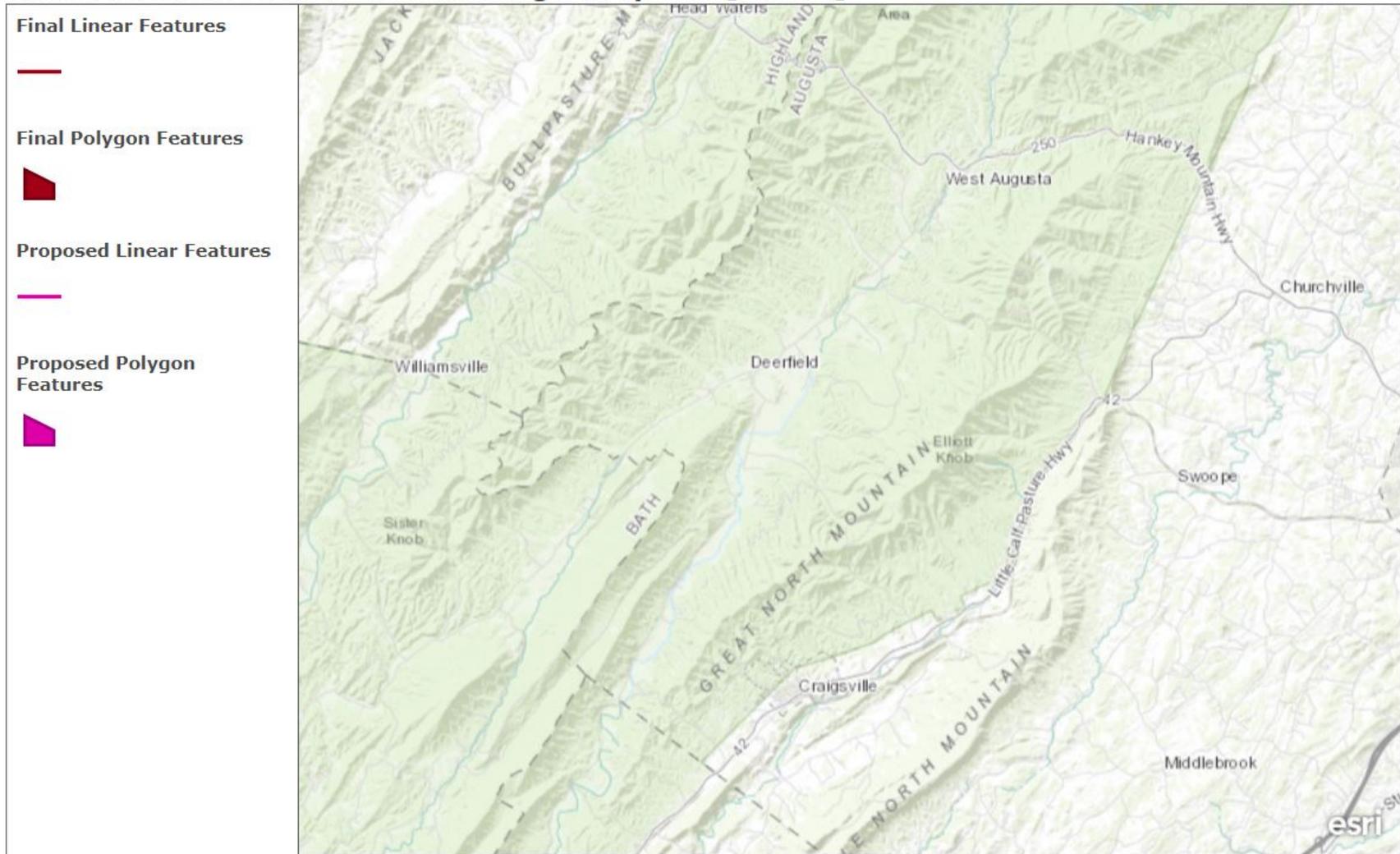
Continue Species Conclusion Table

Critical Habitat				
	No critical habitat documented near site			
Eagles (<i>Haliaeetus leucocephalus</i>)				
Eagle Nests	Does not intersect with eagle nesting locations	No Eagle Act permit required		
Eagle Concentration Areas	Does not intersect with an eagle concentration area	No Eagle Act permit required		
Other (other species not listed above or required coordination for NOAA, DCR, & VDGIF)				
Additional state-listed species identified within the vicinity of the site can be found in the UJ-4 Proposal.				

UJ-4 Cole: Critical Habitat in Virginia Map

No critical habitat in Augusta County. Indiana Bat critical habitat located over 20 miles to the north in West Virginia.

Critical Habitat for Threatened & Endangered Species [USFWS]



A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

UJ-4 Cole: The Center for Conservation Biology VA Eagle Nest Locator Map

No nests in vicinity

The screenshot displays the CCB Mapping Portal interface. At the top, there is a navigation bar with links for "About Us", "What We Do", "Resources", "News Room", and "Give to CCB". The main header features the logo for "The CENTER for CONSERVATION BIOLOGY" and the title "CCB MAPPING PORTAL" with a "Help / FAQ" button.

The interface includes a "Layers" panel on the left with the following categories and items:

- Bald Eagle
 - VA Eagle Nest Locator
 - Zoom to Extents
 - Most recent data CCB has on bald eagle nest locations in Virginia. Data is largely from two annual aerial flights conducted in winter and spring of all tributaries of the lower Chesapeake Bay and other prominent bodies of water. Reported ground survey data is also included.
 - More info
 - VA Eagle Nest Buffers
 - Eagle Roosts
 - Eagle Roost Polygons
 - Eagle Roost Buffers
 - Eagle Roosts by Topoquad
- Waterbirds
 - Chesapeake Bay Herons 2013
 - Colonial Waterbirds 2013
 - Colonial Waterbirds 2008

The map area shows a search box with the following text:

LAT / LONG
(decimal degrees)
ADDRESS (street, county, park name, etc.)

Clear

The map displays a blue location pin and several orange triangle markers representing eagle nests. A legend in the bottom right corner identifies the orange triangle as "BALD EAGLE". The map also shows roads like SR 629 and VA 42, and a scale bar indicating 3 km and 1 mi.

UJ-4 Cole: VA Bald Eagle Concentration Area Map

No concentration areas in vicinity

