

# ENVIRONMENTAL ANALYSIS

Environmental Resource	Planning level impact estimates for the Build Alternative
Property Impacts	No total acquisitions anticipated; only partial acquisitions would be required. An estimated 38 acres from 51 parcels would be converted to right-of-way.
Environmental Justice (EJ)	11 of the 12 Census block groups along the study area have been identified as having minority populations. No disproportionate impacts have been identified.
Cultural Resources	VDOT has recommended that the project would have no adverse effect to historic properties. This finding will be coordinated with the Department of Historic Resources following the public review of the EA.
Noise	Impacts to 190 noise-sensitive receptors; 1.2 miles of barriers have been preliminarily identified as being feasible and reasonable.
Wetlands	Impacts to approximately 3.2 acres of wetlands, mostly within the median of I-95.
Floodplains	Impacts to 20.6 acres of 100-year floodplains; however, impacts would occur over floodplains already impacted by the existing roadway.
Wildlife and Wildlife Habitat	Impacts to roughly 83 acres of forested habitat, mostly within the median of I-95.
Threatened, Endangered, and Special Status Species	Impacts to approximately 177.0 acres of potential Northern Long-Eared Bat habitat, 32.5 acres of Small-Whorled Pogonia habitat; 0.3 acres of harperella habitat, and 0.3 acres of freshwater mussel habitat would be impacted.
Hazardous Materials	There are 21 sites of potential environmental concern.

## Environmental Resources not impacted include:

- Community facilities and recreational resources
- Section 4(f) (historic sites or parks)
- Air Quality
- Aquifers and water supply
- Prime, unique, or important farmland
- Topography and soils
- Resource Protection Areas
- Anadromous fish

The impacts listed are planning-level estimates only. Final impacts would be determined during detailed permitting and design phases. All required environmental clearances and permits will be obtained prior to commencement of construction.