

NATURAL RESOURCES

RESOURCE/SPECIES	AGENCY	SURVEY / SURVEY DATE(S)	SURVEY/AGENCY COORDINATION STATUS
AQUATIC RESOURCES			
Wetlands/Streams	USACOE/WVDEP	Summer 2016 (US219/Backbone Mountain Area)	Wetlands/Streams and Trout Water Assessment
		Spring-Fall 2020 (ROPA Corridor)	Aquatic Resource Report / TBD
T&E FLORA			
SWP	USFWS	Botanical Survey / Summer 2015	Completed / Agency Concurrence
		Botanical Survey / Summer 2019	Completed / Agency Concurrence
		Botanical Survey / Summer 2022	Botanical survey not yet completed
RBC	USFWS	Botanical Survey / Summer 2015	Completed / Agency Concurrence
		Botanical Survey / Summer 2019	Completed / Agency Concurrence
		Botanical Survey / Summer 2022	Botanical survey not yet completed (species has been de-listed)
T&E FAUNA			
NLEB/IBAT/VBEB	USFWS	Mist Netting / Summer 2019	Completed / Agency Concurrence
		Mist Netting / Summer 2021	Completed / Agency Concurrence
		Mist Netting / Summer 2022	Completed / Agency coordination ongoing
All Bat Species (Mine portals at Coketon)	USFWS	Infrared Survey / Summer 2015	Completed / Agency Concurrence
		Acoustic Survey and Harp Trapping / Fall 2015	Completed / Agency Concurrence
		Acoustic Loggers / Winter 2015-Winter 2016	Completed / Agency Concurrence
		Harp Trapping and Acoustic Surveys / Spring 2016	Completed / Agency Concurrence
		Harp Trapping/Mist Netting and Telemetry / Fall 2016	Completed / Agency Concurrence
VBEB	USFWS	Telemetry Survey – Phase 1 Field Reconnaissance and limited acoustics / Spring - Summer 2020	Completed / Agency Concurrence
		Telemetry Survey – Phase 2 trapping/netting and summer use study / Summer 2021	Completed / Agency Concurrence
RPBB	USFWS	Habitat Suitability Assessment and Presence/Absence Survey Protocol / Summer 2019	Completed / Agency Concurrence
		Presence/Absence Surveys / Spring - Summer 2020	Completed / Agency Concurrence
		Presence/Absence Surveys / Spring - Summer 2021	Completed / Agency Concurrence
		Presence/Absence Surveys / Spring - Summer 2022	Completed / TBD
CMS	USFWS	Summer/Fall 2022 Habitat Suitability Assessment	Survey not yet completed
		2023 Presence/Absence Survey	To be conducted in 2023
WVNFs	USFWS	Studies and reporting documented in the Biological Assessment (BA) and USFWS Biological Opinion (BO) conducted between 2000-2008.	Mitigation undertaken following commitments in BA and BO. Species has since been delisted by USFWS. WVDOH has committed to implementation of avoidance and minimization measures and all other reasonable and prudent measures outlined within the BO as well as to conduct long-term pre and post construction monitoring.
USFS MNF REGIONAL FORESTER'S SENSITIVE SPECIES			
RFSS Plants	USFS-MNF	Botanical Survey / Summer 2015	Completed / Botanical Report Submitted
		Botanical Survey / Summer 2019	Completed / Botanical Report Submitted
		Botanical Survey / Summer 2022	Survey not yet completed
RFSS Animals	USFS-MNF	Habitat Assessment and Presence/Absence Surveys / Summer 2016	Completed
		Habitat Assessment and Presence/Absence Surveys / Summer 2019	Completed
		Habitat Assessment and Presence/Absence Surveys / Spring/Summer 2020	Completed
		Habitat Assessment and Presence/Absence Surveys / Summer - Fall 2022	Survey not yet completed

Agencies Acronyms – USFWS (United States Fish and Wildlife Service), USACOE (United States Army Corps of Engineers), USFS-MNF (United States Forest Service Monongahela National Forest), RFSS (Regional Forester's Sensitive Species), T&E (Threatened and Endangered), BE (Biological Evaluation)

Species Acronyms – SWP (Small-Whorled Pogonia), RBC (Running Buffalo Clover), NLEB (Northern Long-Eared Bat), IBAT (Indiana Bat), VBEB (Virginia Big-Eared Bat), RPBB (Rusty Patched Bumble Bee), CMS (Cheat Mountain Salamander)

The Biological and Aquatic Resource Study Area is a broad buffer placed around the proposed project to guide stream, wetland, and habitat resource inventories and species surveys. However, the coordination for the WVNFs took a larger, more regional approach to analyze roosting and foraging for the species. Likewise, for bat species and the Cheat Mountain salamander, the surveys and analyses extend beyond the Study Area shown and are still being coordinated with resource Agencies.

