

OPTIMAL SURVEY WINDOWS AND NUMBER OF YEARS A SURVEY IS VALID FOR
NORTH CAROLINA'S FEDERALLY THREATENED, ENDANGERED, AND AT-RISK PLANT SPECIES

SCIENTIFIC NAME	COMMON NAME	STATUS	SURVEY WINDOW	YEARS SURVEY IS VALID
<i>Aeschynomene virginica</i>	sensitive joint-vetch	T	July – October (or before first tropical storm that causes overwash)	1
<i>Amaranthus pumilus</i>	seabeach amaranth	T	July - October	1
<i>Amorpha georgiana</i> var. <i>georgiana</i>	Georgia lead-plant	ARS	late April – October	2
<i>Cardamine micranthera</i>	small-anthered bittercress	E	April - May	1
<i>Carex impressinervia</i>	impressed-nerved sedge	ARS	April - May	2
<i>Carex lutea</i>	golden sedge	E	mid April - mid June	2
<i>Dionaea muscipula</i>	Venus flytrap	ARS	late May – June	2
<i>Echinacea laevigata</i>	smooth coneflower	E	late May – October	2
<i>Fimbristylis perpusilla</i>	Harper's fimbriatylis	ARS	July – September	2
<i>Geum radiatum</i>	spreading avens	E	June – September	2
<i>Gymnoderma lineare</i>	rock gnome lichen	E	year round	2
<i>Hedyotis purpurea</i> var. <i>montana</i>	Roan Mountain bluet	E	June – July	2
<i>Helianthus schweinitzii</i>	Schweinitz's sunflower	E	late August – October	2
<i>Helonias bullata</i>	swamp pink	T	April – May	2
<i>Hexastylis naniflora</i>	dwarf-flowered heartleaf	T	March – May	2
<i>Hudsonia montana</i>	mountain golden heather	T	late May - early June	2
<i>Isoetes microvela</i>	thin-wall quillwort	ARS	April – July	1
<i>Isotria medeoloides</i>	small whorled pogonia	T	mid May - early July	1
<i>Liatris helleri</i>	Heller's blazing star	T	July – September	2
<i>Lindera melissifolia</i>	pondberry	E	February – March; September - October	2
<i>Lindera subcoriacea</i>	bog spicebush	ARS	March - August	2
<i>Lobelia boykinii</i>	Boykin's Lobelia	ARS	May – July	2
<i>Ludwigia ravenii</i>	Raven's seedbox	ARS	June - October	2
<i>Lysimachia asperulaefolia</i>	rough-leaved loosestrife	E	mid May – September	2
<i>Macbridea caroliniana</i>	Carolina birds-in-a-nest	ARS	July – November	2
<i>Minuartia godfreyi</i>	Godfrey's stitchwort	ARS	April – June	2
<i>Oxypolis canbyi</i>	Canby's dropwort	E	mid July – September	2
<i>Platanthera integrilabia</i>	white fringeless orchid	T	mid July - late August	2
<i>Ptilimnium nodosum</i>	harperella	E	July – early September (during low water)	1
<i>Rhus michauxii</i>	Michaux's sumac	E	May – October	2
<i>Rhynchospora crinipes</i>	hairy-peduncled beakrush	ARS	July – September	2
<i>Rudbeckia heliopsidis</i>	sun-facing coneflower	ARS	July – September	2
<i>Sagittaria fasciculata</i>	bunched arrowhead	E	mid May – July	2
<i>Sarracenia oreophila</i>	green pitcher-plant	E	late April – October	2
<i>Sarracenia purpurea</i> var. <i>montana</i>	mountain purple pitcher-plant	ARS	April – October	2
<i>Sarracenia rubra</i> ssp. <i>jonesii</i>	mountain sweet pitcher-plant	E	April – October	2

SCIENTIFIC NAME	COMMON NAME	STATUS	SURVEY WINDOW	YEARS SURVEY IS VALID
<i>Schwalbea americana</i>	American chaffseed	E	May - August (1-2 months after a fire)	2
<i>Sisyrinchium dichotomum</i>	white irisette	E	late May – July	2
<i>Solidago plumosa</i>	Yadkin River goldenrod	CCA	September – October	2
<i>Solidago spithamea</i>	Blue Ridge goldenrod	T	July – September	2
<i>Symphotrichum georgianum</i>	Georgia aster	CCA	October - mid November	2
<i>Spiraea virginiana</i>	Virginia spiraea	T	May - early July	2
<i>Sporobolus teretifolius</i>	wire-leaved dropseed	ARS	July – September (following fire)	2
<i>Thalictrum cooleyi</i>	Cooley's meadowrue	E	mid June - early July	2
<i>Tsuga caroliniana</i>	Carolina hemlock	ARS	year round	2

STATUS KEY:

E - Federally endangered

T - Federally threatened

ARS - Proposed for listing as threatened or endangered under the ESA, candidate species for listing, or petitioned by a third party for listing. ARS species listed above have "substantial" 90-day findings and are undergoing status reviews (awaiting 12-month findings).

CCA - Species subject to a candidate conservation agreement.

OTHER NOTES:

These survey windows were determined from species recovery plans, field observations, herbaria specimens, and NC Natural Heritage Program information. For additional information about these species, please visit the U.S. Fish and Wildlife Service Asheville Field Office webpage at <https://www.fws.gov/asheville/> or the Raleigh Field Office webpage at <https://www.fws.gov/raleigh/>.

If suitable habitat for species is present in the proposed impact area, the U.S. Fish and Wildlife Service will likely request species surveys, conducted by a qualified biologist, during the optimal survey window. Projects are reviewed on a case-by-case basis and you are encouraged to contact a Section 7 coordinator early in the project planning process. To discuss your project and survey requirements with a Section 7 coordinator, please contact the Asheville Field Office at 828-258-3939 or the Raleigh Field Office at 919-856-4520

Version date: February 11, 2020