

Confirmed and Potential Species Occurrences in Boone County

This narrative accompanies two other documents – A laminated map of Boone County, Illinois (approximately 2 feet by 3 feet in size) with an aerial photo base that has been divided into quadrants of nearly equal size; and a data table that lists species of rare and/or declining flora and fauna (species in greatest need of conservation or species of concern) that have documented occurrences in Boone County, Illinois. The map is used to demonstrate where these occurrences are located – via the grid system. The BCCD has also extrapolated this data in that it suggests additional “Potential Grid Units” where these species are likely to also exist.

The BCCD has an increasingly thorough account of the floral and faunal resources on BCCD lands. The BCCD makes particular note of the State Endangered and Threatened species we’ve encountered, as well as Species in Greatest Need of Conservation (Species of Concern) as defined by the Illinois Wildlife Action Plan. The BCCD has encountered the noted species through a variety of means including: floristic quality assessments, stream and wetland sampling/surveying, upland surveying, avifauna surveys, and incidental encounters. The scope of our current knowledge is indicated in the provided table.

The table lists individual species by genus and species, as well as common names. Each species’ conservation status is indicated as State Endangered (SE), State Threatened (ST), or Species of Concern (SOC). The confirmed occurrences of each species are indicated as grid numbers for the appropriate locations. For example, Blanding’s Turtles (*Emydoidea blandingii*) have been confirmed in grid units K9&10, L9&10, and Q3&4.

The BCCD has used its knowledge of the habitat requirements of critical species to extrapolate their existence elsewhere in Boone County. BCCD staff utilized aerial photography and soils maps to explore habitats on the Boone County grid map from grid units A1 through Y13. Inferences on vegetative cover, hydrology, habitat type and potential vegetative composition were made to identify potential, suitable habitat for critical species known to be present in Boone County. These potential habitats are labeled appropriately in the table as Potential Grid Units. One should note that these extrapolations were not made based upon on-site observation, but by the processes mentioned previously. The BCCD stresses the need conduct additional data collection and assessments in Boone County.

Genus/species	Common Name	Status	Confirmed Grid Units	Potential Grid Units
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Amphibians/reptiles				
<i>Emydoidea blandingii</i>	Blanding's Turtle	SE	K9, K10, L9, L10, Q3, Q4	I8, J11, J12, J13, K10, K11, K12, L5, L8, M8, N3, N4, O8, Q7, R1, R2, R3, R9, R10, R11, R12, R13, S10, S11, T11, T12, T13, U10, V10
<i>Liophorophis vernalis</i>	Smooth Green Snake	SOC	F1, K10	A1, A2, B1, C1, C2, C4, C5, C6, C8, C10, C11, C12, C13, D1, D2, D4, D5, D10, D13, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G4, G9, G12, H7, H8, H9, H10, I2, I6, I8, I10, I11, J6, J12, J13, K11, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q2, Q3, Q4, Q5, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13
Birds:				
<i>Ammodramus henslowii</i>	Henslow's Sparrow		Q3, R3	E13, F8, F9, K10, M8, N8, O8, Q5, R2, R4
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	SOC	Q3, R3, S10, T11, T12	E13, F8, F9, K10, M8, N8, O8, Q5, R2, R4
<i>Ardea alba</i>	Great Egret	SOC	K10, L10, O8, P8, Q3, R3	A1, A2, B1, C3, C4, C5, C7, C10, C12, C13, D1, D2, D5, D9, D10, E5, E6, E10, E13, F2, F3, F8, F9, F10, F12, F13, G8, G9, G10, G12, G13, H7, H8, H9, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K11, K12, L5, L8, L9, M8, N3, N4, N8, P8, Q4, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13, U10, V10
<i>Aythya affinis</i>	Lesser Scaup	SOC	T13, T12, S10	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S11, T10, T11, U10, V10
<i>Botaurus lentiginosus</i>	American Bittern	SE	K10, L10	A1, A2, B1, C3, C4, C5, C7, C10, C12, C13, D1, D2, D5, E5, E6, E10, E13, F2, F3, F8, F9, F10, F12, F13, G8, G10, G12, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, T12, T13, U10, V10
<i>Buteo platypterus</i>	Broad-winged Hawk	SOC	K10, L10	A1, A2, B1, B4, C4, C5, C7, C8, C10, C11, C12, D1, D2, D4, D5, D8, D9, D10, E1, E2, E5, E6, E10, E13, F2, F3, F10, F12, F13, G10, G8, G10, G12, G13, I2, I8, Q3, Q4, R1, R2, R3, R8, R9, R10, R11, R12, R13, S8, S9, S10, T10, T11, T12, T13, U10, V10
<i>Chaetura pelagica</i>	Chimney Swift	SOC	R1, S1	A1, A2, B1, C3, C4, C5, C7, C10, C12, C13, D1, D2, D5, E5, E6, E10, E13, F2, F3, F8, F9, F10, F12, F13, G8, G10, G12, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11,
<i>Chordeiles minor</i>	Common Nighthawk	SOC	K10, L10, S10, T12, T13	E13, F8, F9, M8, N8, O8, Q3, Q5, R2, R3
<i>Circus cyaneus</i>	Northern Harrier	SE	K10, L10, T13, T12	A1, A2, B1, C3, C4, C5, C7, C10, C12, C13, D1, D2, D5, E5, E6, E10, E13, F2, F3, F8, F9, F10, F12, F13, G8, G10, G12, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11,

<i>Cistothorus platensis</i>	Sedge Wren	SOC	S10, T12, T13	A1, A2, B1, C3, C4, C5, C7, C10, C12, C13, D1, D2, D5, E5, E6, E10, E13, F2, F3, F8, F9, F10, F12, F13, G8, G10, G12, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S11, T10, T11, U10, V10
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	SOC	K10, L10, S10, T12, T13	A1, A2, B1, B4, C4, C5, C7, C8, C10, C11, C12, D1, D2, D4, D5, D8, D9, D10, E1, E2, E5, E6, E10, E13, F2, F3, F10, F12, F13, G8, G9, G10, G12, G13, H9, I2, I8, Q3, Q4, R1, R2, R3, R8, R9, R10, R11, R12, R13, S8, S9, T10, T11, U10, V10
<i>Colaptes auratus</i>	Northern Flicker	SOC	F1, F2, K10, Q3, Q4, Q5, R1, R2, R3, R5, S1, S10, T12, T13, W1	A1, A2, B4, C3, C4, C5, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H9, I2, K9, L8, L9, M8, N8, O8, P3, P8, Q2, Q3, Q4, Q8, R8, R9, R10, R11, R12, R13, S9, S11, T11
<i>Colinus virginianus</i>	Northern Bobwhite	SOC	K10, W1	A1, A2, B1, C4, C5, C6, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H7, H8, H9, H10, I2, I6, I10, I11, J6, L8, M8, N3, N4, N8, O8, Q2, Q3, Q4, R1, R2, R3, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13, U10, V10
<i>Dendroica cerulea</i>	Cerulean Warbler	ST	S10, T11, T12	A1, A2, B4, C4, C5, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H9, I2, K9, L8, L9, M8, N8, O8, P3, P8, Q2, Q3, Q4, Q8, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S11, T13
<i>Dolichonyx oryzivorus</i>	Bobolink	SOC	K10, N8, O8, Q3, R3, S10, T11, T12	F8, F9, M8, Q5, R2
<i>Empidonax traillii</i>	Willow Flycatcher	SOC	K10, S10, T12, T13	A1, A2, B1, C4, C5, C6, C10, C11, C12, C13, D1, D2, D4, D5, D10, D13, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G4, G9, H7, H8, H9, H10, I2, I6, I8, I10, I11, J4, J6, J11, J12, J13, K4, K5, K10, K11, K12, L5, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q2, Q3, Q4, Q5, Q7, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S11, T10, T11, U10, V10
<i>Gallinago delicatata</i>	Wilson's Snipe	SOC	K10	A1, A2, B1, C4, C5, C6, C10, C11, C12, C13, D1, D2, D4, D5, D10, D13, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G4, H7, H8, H9, H10, I2, I6, I8, I10, I11, J4, J6, J11, J12, J13, K4, K5, K10, K11, K12, L5, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q2, Q3, Q4, Q5, Q7, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, T12, T13, U10, V10
<i>Gallinula galeata</i>	Common Gallinule	SE	T13, T12	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, U10, V10
<i>Grus americana</i>	Whooping Crane		K10, R1, S1	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, D10, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, G9, H7, H8, H9, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K11, K12, L5, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q3, Q4, Q7, Q8, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13, U10, V10
<i>Grus canadensis</i>	Sandhill Crane		K10, Q3, Q4, R1, R2, R3, S10, T12, T13	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, D10, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, G9, H7, H8, H9, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K11, K12, L5, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q7, Q8, R7, R8, R9, R10, R11, R12, R13, S9, S11, T11, U10, V10

<i>Haliaeetus leucocephalus</i>	Bald Eagle		K10, N8, O8	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, D10, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, G9, H9, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K11, K12, L5, L8, L9, L10, M8, N3, N4, P8, Q3, Q4, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13, U10, V10
<i>Hylocichla mustelina</i>	Wood Thrush	SOC	F1, F2, S10, T11, T12	A1, A2, B4, C4, C5, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H9, I2, K9, L8, L9, M8, N8, O8, P3, P8, Q2, Q3, Q4, Q8, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S11, T13, U10, V10
<i>Icteria virens</i>	Yellow-breasted Chat	SOC	K10, S10, T12, T13	A1, A2, B1, C4, C5, C6, C10, C11, C12, C13, D1, D2, D4, D5, D10, D13, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G4, G9, H7, H8, H9, H10, I2, I6, I8, I10, I11, J6, J12, J13, K11, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q2, Q3, Q4, Q5, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S11, T11
<i>Ixobrychus exilis</i>	Least Bittern	ST	T13, T12	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, U10, V10
<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	SOC	K10	A1, A2, B4, C3, C4, C5, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H9, I2, K9, L8, L9, M8, N8, O8, P3, P8, Q2, Q3, Q4, Q8, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13
<i>Nyctanassa violacea</i>	Yellow-crowned Night Heron	SE	K10, L10	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, T12, T13, U10, V10
<i>Nycticorax nycticorax</i>	Black-Crowned Night Heron	SE	T13, T12	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, U10, V10
<i>Oporornis formosus</i>	Kentucky Warbler	SOC	S10, T11, T12	A1, A2, B4, C4, C5, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H9, I2, K9, L8, L9, M8, N8, O8, P3, P8, Q2, Q3, Q4, Q8, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S1, S9, S11, T13
<i>Pandion haliaetus</i>	Osprey	SE	K10, L10, R1, S1, S10, T13, T12	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S11, T10, T11, U10, V10
<i>Passerculus sandwichensis</i>	Savannah Sparrow	SOC	K10, R1, S1, S10, T11, T12	F8, F9, K10, M8, N8, O8, Q5, R2, R4
<i>Phalaropus tricolor</i>	Wilson's Phalarope	SE	T12, T13	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, D10, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, G9, H7, H8, H9, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, U10, V10

<i>Podilymbus podiceps</i>	Pied-billed Grebe	SOC	K10, L10, T13, T12	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, H7, H8, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, U10, V10
<i>Scolopax minor</i>	American Woodcock	SOC	I6, K10, L10	A1, A2, B1, C3, C4, C5, C6, C10, C11, C12, C13, D1, D2, D4, D5, D10, D13, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G4, G9, H7, H8, H9, H10, I2, I6, I8, I10, I11, J4, J6, J11, J12, J13, K4, K5, K9, K11, K12, L5, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q2, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R5, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, T12, T13, U10, V10
<i>Seiurus aurocapillus</i>	Ovenbird	SOC	F1, F2, R1, S1, S10, T11, T12	A1, A2, B4, C4, C5, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H9, I2, K9, L8, L9, M8, N8, O8, P3, P8, Q2, Q3, Q4, Q8, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S11, T13
<i>Spiza americana</i>	Dickcissel	SOC	K10, R2, R3, S10, T11, T12	F8, F9, M8, N8, O8, Q5, R4
<i>Spizella pusilla</i>	Field Sparrow	SOC	K10, S10, T12, T13	A1, A2, B1, C4, C5, C6, C10, C11, C12, C13, D1, D2, D4, D5, D10, D13, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G4, H7, H8, H9, H10, I2, I6, I8, I10, I11, J6, J12, J13, K11, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q2, Q3, Q4, Q5, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S11, T11
<i>Toxostoma rufum</i>	Brown Thrasher	SOC	F1, F2, K10, Q3, Q4, R2, R3, R5, W1	A1, A2, B1, C4, C5, C6, C10, C11, C12, C13, D1, D2, D4, D5, D10, D13, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G4, G9, H7, H8, H9, H10, I2, I6, I8, I10, I11, J6, J12, J13, K11, L8, L9, L10, M8, N3, N4, N8, O8, P8, Q2, Q3, Q4, Q5, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13
<i>Tringa melanoleuca</i>	Greater Yellowlegs	SOC	K10, L10, S10, T12, T13	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, D10, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, G9, H7, H8, H9, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S11, T10, T11, U10, V10
<i>Veriforma pinus</i>	Blue-winged Warbler	SOC	S10, T11, T12	A1, A2, B4, C4, C5, C10, C11, C12, C13, D1, D2, D4, D5, D10, E1, E2, E5, E6, E10, E13, F1, F2, F3, F8, F9, F10, F12, F13, G9, H9, I2, K9, L8, L9, M8, N8, O8, P3, P8, Q2, Q3, Q4, Q8, R1, R2, R3, R5, R8, R9, R10, R11, R12, R13, S9, S11, T13, U10, V10
<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird	SE	T12, T13	A1, A2, B1, C3, C4, C5, C10, C12, C13, D1, D2, D5, D10, E5, E6, E13, F2, F3, F8, F9, F10, F12, F13, G9, H7, H8, H9, I6, I8, J4, J6, J11, J12, J13, K4, K5, K9, K10, K11, K12, L5, L8, L9, M8, N3, N4, N8, O8, P8, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T10, T11, U10, V10
Mammals:				
<i>Lontra canadensis</i>	River Otter	SOC	R2	A1, A2, B1, C2, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E10, E11, E13, F1, F2, F3, F7, F8, F9, G9, H7, H8, H9, I6, I8, I9, I10, J4, J6, J9, J11, J12, J13, K4, K5, K8, K9, K10, K11, K12, L5, L6, L7, L8, L9, L10, M4, M5, M6, M8, N3, N4, N5, N8, O2, O3, O8, P2, P3, P8, Q2, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, T12, T13, U10, V10

<i>Ondatra zibethicus</i>	Muskrat	SOC	K10, L10, Q4, R2, S10, T12, T13	A1, A2, B1, C2, C3, C4, C5, C10, C12, C13, D1, D2, D5, E5, E6, E10, E11, E13, F1, F2, F3, F7, F8, F9, G9, H7, H8, H9, I6, I8, I9, I10, J4, J6, J9, J11, J12, J13, K4, K5, K8, K9, K10, K11, K12, L5, L6, L7, L8, L9, L10, M4, M5, M6, M8, N3, N4, N5, N8, O2, O3, O8, P2, P3, P8, Q2, Q3, Q4, Q5, Q7, Q8, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, S9, S10, S11, T11, U10, V10
Mollusks:				
<i>Alasmodonta viridis</i>	Slippershell	ST	S2, T2, T10, U12	Q4, R3, R4, R5, R8, R9, S9, S10, S11, T11, T12, T13, Q8, P8, O8, N8, M8, L8, L9, L10, K10, K11, J12, J13, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Elliptio dilatata</i>	Spike Mussel	ST	M6	R2, Q2, P2, P3, O2, N3, N4, M4, N5, M5, M6, L6, L7, K7, K8, J8, J9, I9, I10, H10, I8, H7, H8, I9, H9, G9, F9, F10, E10, E11, D9, D10, D10, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Lasmigona compressa</i>	Creek Heelsplitter	SOC	J12, J13, L9, T10	K10, K11, L10, L8, M8, N8, O8, P8, Q8, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Lasmigona costata</i>	Flutedshell	SOC	J12, J13, L9, R1, S1	K10, K11, L10, L8, M8, N8, O8, P8, Q8, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Liguma recta</i>	Black Sandshell	ST	R1, R2, S1	Q4, R3, R4, R5, R8, R9, S9, S10, S11, T11, T12, T13, Q8, P8, O8, N8, M8, L8, L9, L10, K10, K11, J12, J13, R2, Q2, P2, P3, O2, N3, N4, M4, N5, M5, M6, L6, L7, K7, K8, J8, J9, I9, I10, H10, I8, H7, H8, I9, H9, G9, F9, F10, E10, E11, D9, D10, D10, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
Fishes:				
<i>Culaea inconstans</i>	Brook Stickleback	SOC	L9, S2, T2, T4, T10	J12, J13, K10, K11, L10, L8, M8, N8, O8, P8, Q8, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Etheostoma exile</i>	Iowa Darter	ST	S2, T2, T10	R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Erimystax x-punctatus</i>	Gravel Chub	ST	R1, S1	R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Lethenteron appendix</i>	American Brook Lamprey	ST	L10, R1, S1	J12, J13, K10, K11, L9, L8, M8, N8, O8, P8, Q8, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Micropterus dolomieu</i>	Smallmouth Bass	SOC	F1, F2, R1, S1	G1, G3, G4, F3, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Phoxinus erythrogaster</i>	Southern Redbelly Dace	SOC	F1, F2	G1, G3, G4, F3, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Rhynchichthys atratulus</i>	Blacknose Dace	SOC	F1, F2, R1, S1 S2, T2, T4, T10,	G1, G3, G4, F3, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10
<i>Umbra limi</i>	Central Mudminnow	SOC	L9, R1, S1, S2, T2	J12, J13, K10, K11, L10, L8, M8, N8, O8, P8, Q8, R9, S9, S10, S11, T10, T11, T12, T13, U10, V9, V10

Boone County Conservation District

- Legend**
- Municipality Border
 - Township
 - Rivers and Streams
 - BC Conservation District



1 inch = 0.7 miles