

# Appendix B

**Ecological Resources Red Flag Summary  
S.R. 794 Sub-Area Study  
Clark County, Ohio**

**By**

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## SUMMARY

ASC Group, Inc., has completed a red flag summary for ecological resources located in or adjacent to the study area for the proposed relocation of State Route (S.R.) 794 near Springfield in Clark County, Ohio (Figure 1). Ecologist Len Mikles conducted a literature review of the study area to determine if it contains ecological resources such as threatened and endangered species, wetlands, or other sensitive ecological areas.

The proposed project consists of the relocation of S.R. 794 due to regulations mandated by the Department of Homeland Security. Regulations require that S.R. 794 needs to at least 82 feet from occupied buildings and 150 feet from unoccupied buildings. The Springfield Municipal Airport is currently located off of S.R. 794 and is within the 82-ft threshold. West Possum Road to the north, land just south of Jackson Road in the southern portion of the site, S.R. 72 to the east, and U.S. 68 to the west define the study area boundary for the S.R. 794 relocation project. Several alternatives for the S.R. 794 relocation will be evaluated based on findings presented in this summary.

The literature review consisted of gathering information from the following sources pertaining to Clark County, Ohio: the National Wetland Inventory (NWI) maps for the Clifton and Springfield quadrangles (USFWS 1995a, 1995b), Ohio Wetland Inventory Maps (ODNR 1991), the *Soil Survey of Clark County, Ohio* (USDA, SCS 1958), Federal Emergency Management Agency (FEMA) floodplain maps (ESRI and FEMA 2005) and the known ranges of federally endangered species from Appendix A of the ODOT Ecological Manual (ODOT 2005). The Ohio Department of Natural Resources, Division of Natural Areas and Preserves provided information from the Natural Heritage Database (Appendix A: ODNR 2005) regarding threatened and endangered species and other sensitive resources within 1 mile of the study area.

A summary of ecological resources in the study area is contained in Table 1, and the approximate locations of these ecological resources are shown on the accompanying USGS topographic map (Figure 2). The study area is located in the Mad River watershed (HUC: 0508001-180) [USDA, NRCS 1998], which is part of the Great Miami River drainage basin. Approximately 81 waterways are located within the study area. Most streams are either intermittent, ephemeral, or ditches based on the *Soil Survey of Clark County, Ohio* (USDA, SCS 1958).

One stream, Mill Creek, which runs from the northwest corner to the southeast corner of the study area, would be considered perennial. Mill Creek is designated as a Warmwater Habitat (WWH) according to the Ohio Administrative Code 3745-1-24. The aquatic life use designation, Warmwater Habitat (WWH), is defined in the Ohio Administrative Code section 3745-1-07 as "...waters capable of supporting and maintaining a balanced, integrated, adaptive community of warmwater aquatic organisms...". Mill Creek currently has no Antidegradation Designation according to Ohio Administrative Code 3745-1-05.

None of the streams identified during the review would be considered navigable waterways. In addition, no waterways in the study area are considered state or national scenic rivers. Fill activities in any of these streams may require a permit, depending on the total amount of fill. No areas of 100-year floodplain exist in the study area (ESRI and FEMA 2005).

Numerous wetlands were also identified from the Ohio Wetland Inventory Maps (ODNR 1991) within 1,000 ft of the study area. Some wetlands identified from the Ohio Wetland Inventory Maps were represented as a contiguous mosaic of different wetland habitat types. For mapping convenience, these areas were consolidated and are represented as wetland complexes on Figure 1. Approximately 83 wetland/wetland complexes were identified during the Ohio Wetland Inventory Map review. Most wetland complexes identified are a mixture of wet meadow, shrub/scrub, shallow marsh, woods on hydric soils, and open water areas. All of these wetland areas have the potential to contain cattails. In addition, 19 wetlands are shown on the National Wetland Inventory Maps and all are within the study area. Some of these wetlands were also consolidated into wetland complexes with the wetlands identified from the Ohio Wetland Inventory Maps. Eleven are described as emergent wetlands, four are shown as forested wetlands and four as excavated open water areas. Fill activities in these wetlands may require a permit.

No existing or proposed state nature preserves or scenic rivers, geologic features, non-breeding or breeding animal concentrations or state parks, forests or wildlife areas are documented within the study area (Appendix A: ODNR 2005). However, the state-threatened upland sandpiper (*Bartramia longicauda*) is documented in the study area directly south of S.R. 794 and just south of Jackson Road.

In addition, there are no records for the federal and state-endangered Indiana bat (*Myotis sodalis*) capture sites or hibernacula within a 2.5-mile radius of the study area. Matt Raymond

(2005) from the Ohio Department of Transportation provided the nearest recorded location for the Indiana bat (*Myotis sodalis*), which is 12.3 miles west of the project area.

The range of the federally endangered eastern prairie fringed orchid (*Platanthera leucophaea*) and a candidate species for federal listing, the eastern massasauga (*Sistrurus catenatus catenatus*), includes Clark County (ODOT 2005). These species have not been documented within the study area (Appendix A: ODNR 2005), though potential habitat for these species may be present.

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## References Cited

- ESRI and FEMA. 2005. ESRI and FEMA, Make Online Hazard Map website. June 2005. <http://www.esri.com/hazards/makemap.html>.
- ODNR. 1991. ODNR, Geographic Information Management Systems website. January 1, 1991. <http://www.dnr.state.oh.us/gims/category.htm>.
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- ODOT. 2005. Ecological Manual. Ohio Department of Transportation, Office of Environmental Services. January 2005.
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- USDA, NRCS. 1998. Ohio 14-digit Subwatersheds website. U.S. Department of Agriculture, Natural Resource Conservation Service. <http://www.oh.nrcs.usda.gov/technical/14-digit/>
- USDA, SCS. 1958. *Soil Survey of Clark County, Ohio*. U.S. Department of Agriculture, Soil Conservation Service.
- USFWS. 1995a. National Wetland Inventory (NWI) map. Clifton, Ohio. U.S. Fish and Wildlife Service.
- USFWS. 1995b. National Wetland Inventory (NWI) map. Springfield, Ohio. U.S. Fish and Wildlife Service.

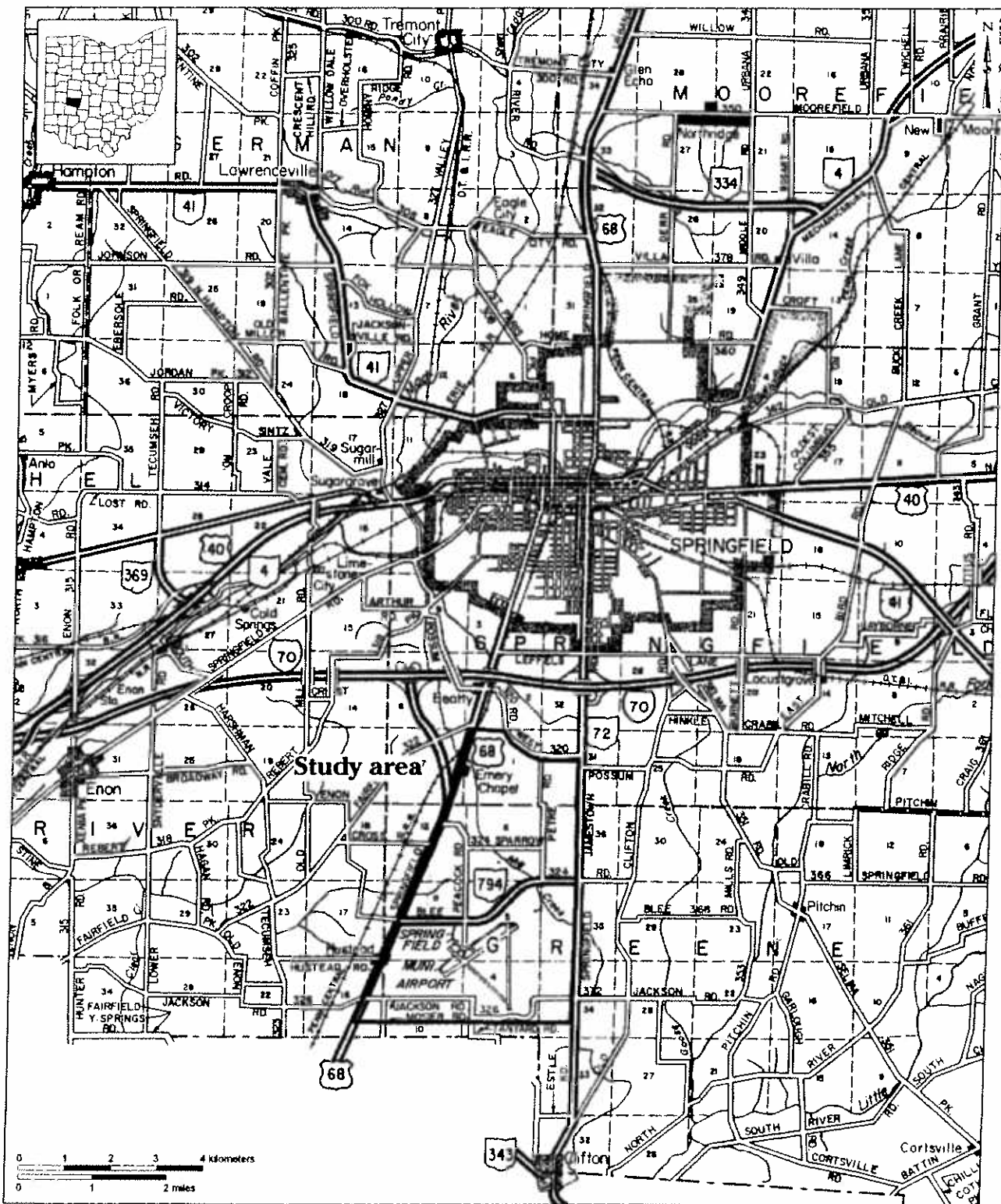


Figure 1. Portion of the Ohio Department of Transportation, Clark County map showing the study area.

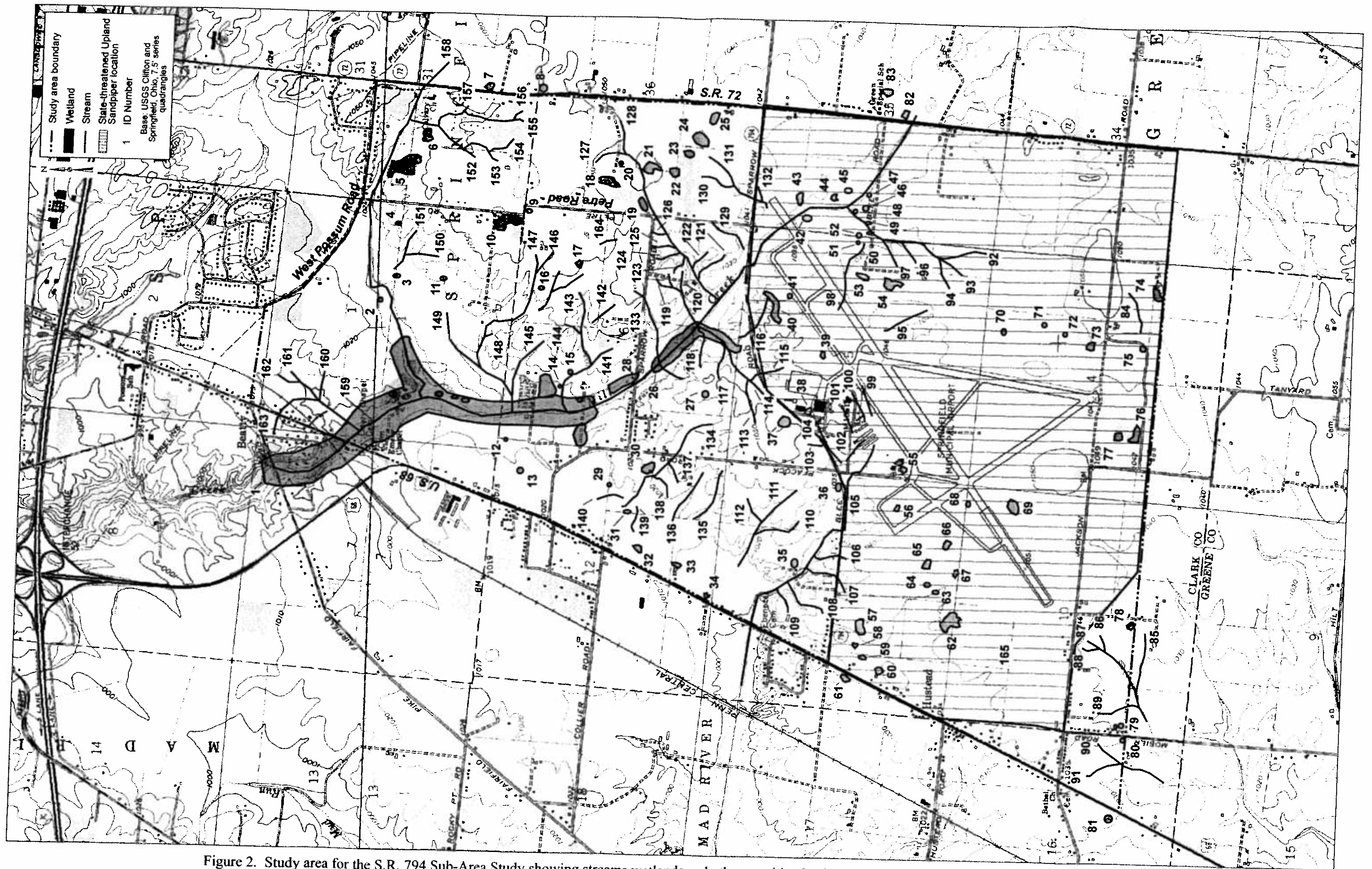


Figure 2. Study area for the S.R. 794 Sub-Area Study showing streams, wetlands and other sensitive land uses within the study area or its immediate vicinity.



Table 1. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

Map ID No.	Description	Location	Approximate Distance from Study Area Boundary (ft)	Literature Source
1	Wetland complex: shrub/scrub, shallow marsh, wet meadow and woods on hydric soils (OWI); forested, emergent, and excavated wetland (NWI)	South of the intersection of Fairfield Pike and U.S. 68	Within study area limits	ODNR 1991 USFWS 1995a
2	Wet meadow	Southeast of the intersection of Fairfield Pike and U.S. 68	Within study area limits	ODNR 1991
3	Wet meadow	Southwest of the intersection of Petre Road and West Possum Road	Within study area limits	ODNR 1991
4	Wet meadow	Southwest of the intersection of Petre Road and West Possum Road	Within study area limits	ODNR 1991
5	Woods on hydric soils	Southeast of the intersection of Petre Road and West Possum Road	Within study area limits	ODNR 1991
6	Woods on hydric soils	Southeast of the intersection of Petre Road and West Possum Road	Within study area limits	ODNR 1991
7	Emergent wetland	South of the intersection of West Possum Road and S.R. 72	Within study area limits	USFWS 1995a
8	Emergent wetland	South of the intersection of West Possum Road and S.R. 72	Within study area limits	USFWS 1995a
9	Wet meadow	South of the intersection of Petre Road and West Possum Road	Within study area limits	ODNR 1991
10	Woods on hydric soils (OWI); forested wetland (NWI)	South of the intersection of Petre Road and West Possum Road	Within study area limits	ODNR 1991 USFWS 1995a
11	Wet meadow	Southwest of the intersection of Petre Road and West Possum Road	Within study area limits	ODNR 1991
12	Wet meadow	Northeast of the intersection of Peacock Road and U.S. 68	Within study area limits	ODNR 1991
13	Emergent wetland	Northeast of the intersection of Peacock Road and U.S. 68	Within study area limits	USFWS 1995a
14	Wet meadow	Northeast of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991
15	Shrub/scrub wetland	Northeast of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991
16	Woods on hydric soils	Northwest of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991
17	Woods on hydric soils	Northwest of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991
18	Woods on hydric soils	Northeast of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991
19	Woods on hydric soils	Northeast of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991
20	Woods on hydric soils	Northeast of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991
21	Woods on hydric soils	East of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991

Table I. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

Map ID No.	Description	Location	Approximate Distance from Study Area Boundary (ft)	Literature Source
22	Forested wetland	Southeast of the intersection of Petre Road and Sparrow Road	Within study area limits	USFWS 1995a
23	Forested wetland	Southeast of the intersection of Petre Road and Sparrow Road	Within study area limits	USFWS 1995a
24	Emergent wetland	Northwest of the intersection of S.R. 72 and S.R. 794	Within study area limits	USFWS 1995a
25	Emergent wetland	Northwest of the Intersection of S.R. 72 and S.R. 794	Within study area limits	USFWS 1995a
26	Woods on hydric soils	Southwest of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991
27	Woods on hydric soils	Southwest of the intersection of Petre Road and Sparrow Road	Within study area limits	ODNR 1991
28	Emergent wetland	East of the intersection of Peacock Road and Sparrow Road	Within study area limits	USFWS 1995a
29	Wet meadow	Northwest of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991
30	Woods on hydric soils (OWI); emergent wetland (NWI)	Southwest of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991 USFWS 1995a
31	Wet meadow	West of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991
32	Wet meadow	West of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991
33	Wet meadow	Southwest of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991
34	Wet meadow	Southwest of the intersection of Peacock Road and Sparrow Road	Within study area limits	ODNR 1991
35	Open water (OWI); diked/impounded wetland (NWI)	Northwest of the intersection of Peacock Road and S.R. 794	Within study area limits	ODNR 1991 USFWS 1995a
36	Wet meadow	West of the intersection of Peacock Road and S.R. 794	Within study area limits	ODNR 1991
37	Woods on hydric soils	Northeast of the intersection of Peacock Road and S.R. 794	Within study area limits	ODNR 1991
38	Wetland complex: shallow marsh and open water	Northeast of the intersection of Peacock Road and S.R. 794	Within study area limits	ODNR 1991
39	Wet meadow	Northeast of the intersection of Peacock Road and S.R. 794	Within study area limits	ODNR 1991
40	Wetland complex: shrub/scrub and shallow marsh	Southwest of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
41	Wet meadow	Southwest of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
42	Shrub/scrub wetland	Southeast of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
43	Wet meadow	Southeast of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991

Table 1. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

Map ID No.	Description	Location	Approximate Distance from Study Area Boundary (ft)	Literature Source
44	Wet meadow	Southeast of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
45	Wet meadow	Southeast of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
46	Wetland complex: shrub/scrub and wet meadow	Southeast of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
47	Shrub/scrub	Southeast of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
48	Wet meadow	Southeast of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
49	Wet meadow	South of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
50	Wet meadow	South of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
51	Wet meadow	South of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
52	Wet meadow	South of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
53	Shallow marsh	Southwest of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
54	Shallow marsh	Southwest of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
55	Wet meadow	Southeast of the intersection of Peacock Road and S.R. 794	Within study area limits	ODNR 1991
56	Wet meadow	Southwest of the intersection of Petre Road and S.R. 794	Within study area limits	ODNR 1991
57	Woods on hydric soils	Southeast of the intersection of S.R. 794 and U.S. 68	Within study area limits	ODNR 1991
58	Woods on hydric soils	Southeast of the intersection of S.R. 794 and U.S. 68	Within study area limits	ODNR 1991
59	Woods on hydric soils	Southeast of the intersection of S.R. 794 and U.S. 68	Within study area limits	ODNR 1991
60	Woods on hydric soils	Southeast of the intersection of S.R. 794 and U.S. 68	Within study area limits	ODNR 1991
61	Wet meadow	Southwest of the intersection of S.R. 794 and U.S. 68	Within study area limits	ODNR 1991
62	Woods on hydric soils	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	ODNR 1991
63	Woods on hydric soils	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	ODNR 1991
64	Woods on hydric soils	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	ODNR 1991
65	Wet meadow	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	ODNR 1991
66	Wet meadow	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	ODNR 1991

Table 1. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

Map ID No.	Description	Location	Approximate Distance from Study Area Boundary (ft)	Literature Source
67	Wet meadow	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	ODNR 1991
68	Wet meadow	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	ODNR 1991
69	Emergent wetland	Northeast of the intersection of Jackson Road and U.S. 68	Within study area limits	USFWS 1995a
70	Wet meadow	Northwest of the intersection of Jackson Road and S.R. 72	Within study area limits	ODNR 1991
71	Shrub/scrub	Northwest of the intersection of Jackson Road and S.R. 72	Within study area limits	ODNR 1991
72	Wet meadow	Northwest of the intersection of Jackson Road and S.R. 72	Within study area limits	ODNR 1991
73	Wet meadow	West of the Intersection of Jackson Road and S.R. 72	Within study area limits	ODNR 1991
74	Excavated wetland	Southwest of the intersection of Jackson Road and S.R. 72	Within study area limits	USFWS 1995a
75	Wet meadow	Southwest of the intersection of Jackson Road and S.R. 72	Within study area limits	ODNR 1991
76	Woods on hydric soils	Southwest of the intersection of Jackson Road and S.R. 72	Within study area limits	ODNR 1991
77	Woods on hydric soils	Southwest of the intersection of Jackson Road and S.R. 72	Within study area limits	ODNR 1991
78	Wet meadow	Southeast of the intersection of Jackson Road and Mosier Road	Within study area limits	ODNR 1991
79	Wet meadow	South of the intersection of Jackson Road and Mosier Road	Within study area limits	ODNR 1991
80	Wet meadow	Southeast of the intersection of Jackson Road and Mosier Road	Within study area limits	ODNR 1991
81	Wet meadow	Southwest of the intersection of Jackson Road and U.S. 68	100 feet	ODNR 1991
82	Wet meadow	South of Green Special School along S.R. 72	25 feet	ODNR 1991
83	Wet meadow	Southeast of Green Special School along S.R. 72	150 feet	ODNR 1991
84	Intermittent or ephemeral stream	West of the intersection of Jackson Road and S.R. 72	Within project limits	USDA, SCS 1958
85	Intermittent or ephemeral stream	Southeast of the intersection of U.S. 68 and Jackson Road	Within project limits	USDA, SCS 1958
86	Intermittent or ephemeral stream	Southeast of the intersection of U.S. 68 and Jackson Road	Within project limits	USDA, SCS 1958
87	Intermittent or ephemeral stream	Southeast of the intersection of U.S. 68 and Jackson Road	Within project limits	USDA, SCS 1958
88	Intermittent or ephemeral stream	Southeast of the intersection of U.S. 68 and Jackson Road	Within project limits	USDA, SCS 1958
89	Intermittent or ephemeral stream	Southeast of the intersection of U.S. 68 and Jackson Road	Within project limits	USDA, SCS 1958

Table 1. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

Map ID No.	Description	Location	Approximate Distance from Study Area Boundary (ft)	Literature Source
90	Intermittent or ephemeral stream	Southeast of the intersection of U.S. 68 and Jackson Road	Within project limits	USDA, SCS 1958
91	Intermittent or ephemeral stream	Southeast of the intersection of U.S. 68 and Jackson Road	Within project limits	USDA, SCS 1958
92	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
93	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
94	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
95	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
96	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
97	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
98	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
99	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
100	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
101	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
102	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
103	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
104	Intermittent or ephemeral stream	Southwest of the intersection of S.R. 72 and S.R. 794	Within project limits	USDA, SCS 1958
105	Intermittent or ephemeral stream	East of the intersection of U.S. 68 and S.R. 794	Within project limits	USDA, SCS 1958
106	Intermittent or ephemeral stream	East of the intersection of U.S. 68 and S.R. 794	Within project limits	USDA, SCS 1958
107	Intermittent or ephemeral stream	East of the intersection of U.S. 68 and S.R. 794	Within project limits	USDA, SCS 1958
108	Intermittent or ephemeral stream	Northeast of the intersection of U.S. 68 and S.R. 794	Within project limits	USDA, SCS 1958
109	Intermittent or ephemeral stream	Northeast of the intersection of U.S. 68 and S.R. 794	Within project limits	USDA, SCS 1958
110	Intermittent or ephemeral stream	Northwest of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
111	Intermittent or ephemeral stream	Northwest of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
112	Intermittent or ephemeral stream	Northwest of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958

Table 1. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

Map ID No.	Description	Location	Approximate Distance from Study Area Boundary (ft)	Literature Source
113	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
114	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
115	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
116	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
117	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
118	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and S.R. 794	Within project limits	USDA, SCS 1958
119	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
120	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
121	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
122	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
123	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
124	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
125	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
126	Intermittent or ephemeral stream	Southwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
127	Intermittent or ephemeral stream	Northeast of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
128	Intermittent or ephemeral stream	Northeast of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
129	Intermittent or ephemeral stream	Northwest of the intersection of S.R. 794 and Petre Road	Within project limits	USDA, SCS 1958
130	Intermittent or ephemeral stream	Northeast of the intersection of S.R. 794 and Petre Road	Within project limits	USDA, SCS 1958
131	Intermittent or ephemeral stream	Northeast of the intersection of S.R. 794 and Petre Road	Within project limits	USDA, SCS 1958
132	Intermittent or ephemeral stream	Southeast of the intersection of S.R. 794 and Petre Road	Within project limits	USDA, SCS 1958
133	Intermittent or ephemeral stream	East of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
134	Intermittent or ephemeral stream	South of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
135	Intermittent or ephemeral stream	Southwest of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958

Table 1. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

Map ID No.	Description	Location	Approximate Distance from Study Area Boundary (ft)	Literature Source
136	Intermittent or ephemeral stream	Southwest of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
137	Intermittent or ephemeral stream	Southwest of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
138	Intermittent or ephemeral stream	Southwest of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
139	Intermittent or ephemeral stream	Southwest of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
140	Intermittent or ephemeral stream	West of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
141	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
142	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
143	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
144	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
145	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
146	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
147	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
148	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
149	Intermittent or ephemeral stream	Northeast of the intersection of Peacock Road and Sparrow Road	Within project limits	USDA, SCS 1958
150	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and Petre Road	Within project limits	USDA, SCS 1958
151	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and Petre Road	Within project limits	USDA, SCS 1958
152	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and S.R. 72	Within project limits	USDA, SCS 1958
153	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and S.R. 72	Within project limits	USDA, SCS 1958
154	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and S.R. 72	Within project limits	USDA, SCS 1958
155	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and S.R. 72	Within project limits	USDA, SCS 1958
156	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and S.R. 72	Within project limits	USDA, SCS 1958
157	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and S.R. 72	Within project limits	USDA, SCS 1958
158	Intermittent or ephemeral stream	Southwest of the intersection of W. Possum Road and S.R. 72	Within project limits	USDA, SCS 1958

Table 1. Sensitive Ecological Resources Located In or Adjacent to the Study Area.

<b>Map ID No.</b>	<b>Description</b>	<b>Location</b>	<b>Approximate Distance from Study Area Boundary (ft)</b>	<b>Literature Source</b>
159	Perennial stream (Mill Creek)	South of the intersection of W. Possum Road, Fairfield Pike and U.S. 68	Within project limits	USDA, SCS 1958
160	Intermittent or ephemeral stream	South of the intersection of W. Possum Road, Fairfield Pike and U.S. 68	Within project limits	USDA, SCS 1958
161	Intermittent or ephemeral stream	South of the intersection of W. Possum Road, Fairfield Pike and U.S. 68	Within project limits	USDA, SCS 1958
162	Intermittent or ephemeral stream	South of the intersection of W. Possum Road, Fairfield Pike and U.S. 68	Within project limits	USDA, SCS 1958
163	Intermittent or ephemeral stream	South of the intersection of W. Possum Road, Fairfield Pike and U.S. 68	Within project limits	USDA, SCS 1958
164	Intermittent or ephemeral stream	Northwest of the intersection of Sparrow Road and Petre Road	Within project limits	USDA, SCS 1958
165	State Threatened Upland Sandpiper Habitat	South of S.R. 794 and north and south of Jackson Road	Within project limits	ODNR 2005



**APPENDIX A: AGENCY COMMUNICATION**



# Ohio Department of Natural Resources

BOB TAFI, GOVERNOR

SAMUEL W. SPECK, DIRECTOR

## Division of Natural Areas and Preserves

*Tom Linkous, Chief*

2045 Morse Rd., Bldg. F-1

Columbus, OH 43229-6693

Phone: (614) 265-6453; Fax: (614) 267-3096

May 31, 2005

Len Mikles  
ASC Group, Inc.  
4620 Indianola Ave.  
Columbus, OH 43214

Dear Mr. Mikles:

I have reviewed our Natural Heritage maps and files for the State Route 794 Relocation project area, including a one mile radius, in Green Township, Clark County, and on the Springfield and Clifton Quads (1532-1). We have one record within the project area. The location for the Upland Sandpiper (*Bartramia longicauda*), threatened, is outlined in red on the attached map.

There are no existing or proposed state nature preserves or scenic rivers at the project site. We are unaware of any unique ecological sites, geologic features, breeding or non-breeding animal concentrations or state parks, forests or wildlife areas in the project vicinity. We also have no records for Indiana Bat (*Myotis sodalis*, state endangered, federal endangered) capture sites or hibernacula within a two and a half mile radius of the project site.

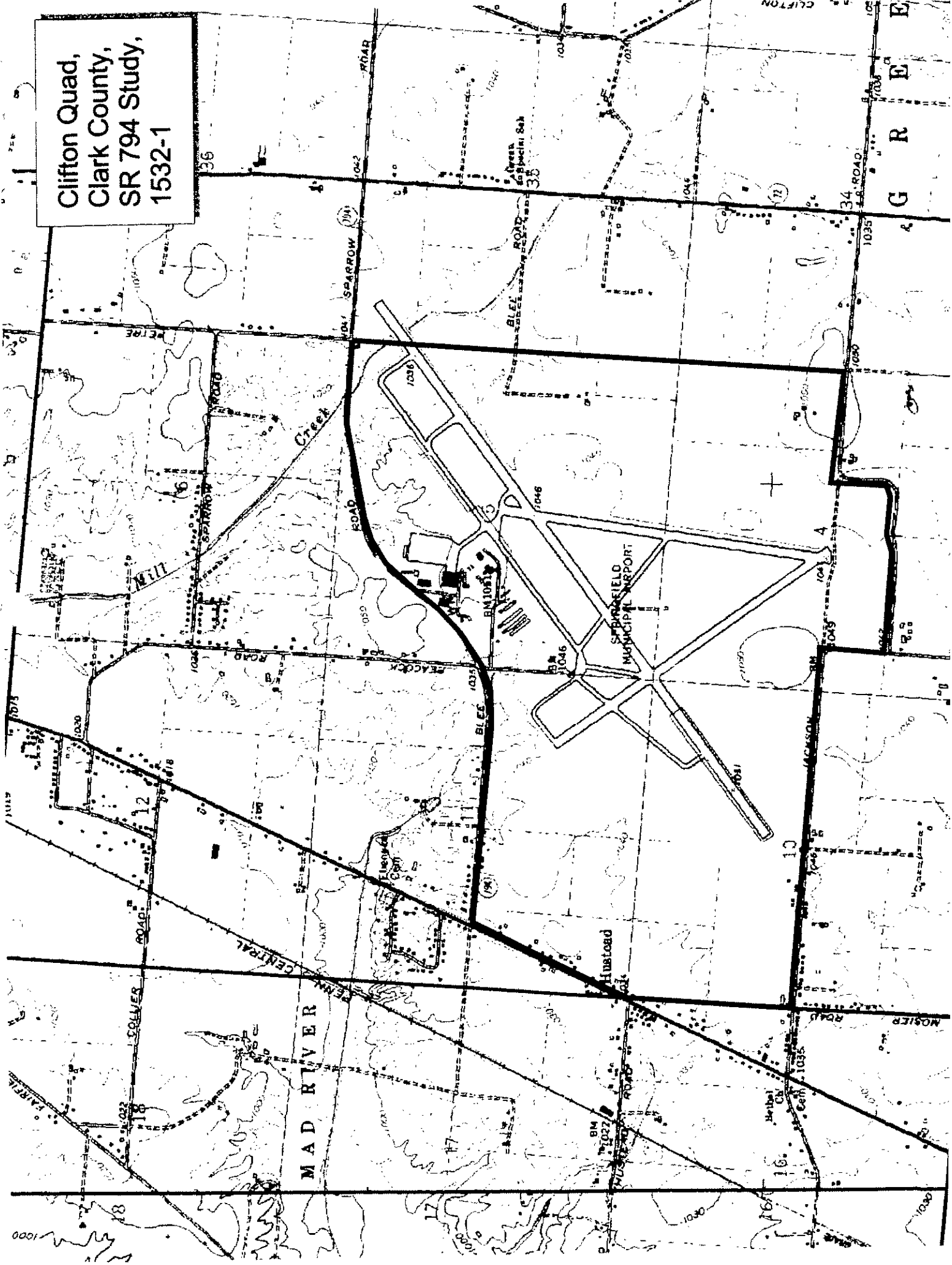
Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Please note that although we inventory all types of plant communities, we only maintain records on the highest quality areas. Also, we do not have data for all Ohio wetlands. For National Wetlands Inventory maps, please contact Madge Fitak in the Division of Geological Survey at 614-265-6576.

Please contact me at 614-265-6818 if I can be of further assistance.

Sincerely,

Debbie Woischke, Ecological Analyst  
Natural Heritage Program

Clifton Quad,  
Clark County,  
SR 794 Study,  
1532-1



CLIFTON  
GERRE

MAD RIVER  
CENTRAL

Hustead

SPARROWFIELD  
MUNICIPAL AIRPORT

34 ROAD

SOLLIER ROAD

SPARROW ROAD

BLED SOE ROAD

MOSIER ROAD

ACONSON ROAD

CLIFTON

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