

Ruffed Grouse Drumming Survey

Reporting Office: Seney NWR

Species: Ruffed Grouse (*Bonasa umbellus*)

JUSTIFICATION AND OBJECTIVES

As a cooperative effort with the Michigan DNR, the refuge is asked to participate in a spring drumming survey, which it has done for decades. Seney NWR has data on this species for 1991-present. Route #154 is surveyed, with some other areas surveyed in the past.

STATISTICAL CONSIDERATIONS

None known.

DATA COLLECTION PROCEDURES

The Michigan DNR provides detailed instructions each year for the spring survey, which consists of stopping at 10 stops in the refuge to listen for drumming birds over a fixed time period (3-5 minutes).

Ruffed Grouse Drumming Survey Route, Seney National Wildlife Refuge (NAD83)			
Stop Number	Description	Latitude	Longitude
1	SubHQ gate	46.24125	-85.93924
2	Sand borrow area to right	46.24112	-85.96807
3	2-track to left	46.23170	-85.97190
4	Open area just past Pine Creek	46.22257	-85.97885
5	Just past access road to Chicago Farm	46.21321	-85.99038
6	Just past T-2 West road near opening to right	46.20787	-86.00422
7	100 yards north of Delta Creek culvert	46.20177	-86.00819
8	Red Pine Natural Area	46.21600	-86.01742
9	Near M-2 road intersection	46.23430	-86.03664
10	Near C-2 road intersection	46.26373	-86.07024

DATA ANALYSIS AND REPORTING

None known. All data are reported to the Michigan DNR per instructions on the forms.

MANAGEMENT ACTION THRESHOLDS

None.

DATA STORAGE PROCEDURES

A database (Excel file) and hardcopies should **NOT** be kept at the refuge each year. These data are simply used by the Michigan DNR and have no bearing on refuge management.

SPECIAL CONSIDERATION

This is potentially a good survey for volunteer involvement.

LITERATURE CITED

None.

EFFORT AND COSTS

Surveys are currently conducted by refuge staff. Surveys, reporting, and preparation time for the entire survey (assuming one person does all work) is approximately 8 hr per year. Fuel costs are <\$50.