

Grassland Nesting Ducks: Predator Identification and Nesting Success in Relation to Hostile Habitats



Jessica C. Sedivy

Prepared for the US Fish and Wildlife Service, the
Minnesota Waterfowl Association, and Concordia College

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PREFACE

In January 2000, I was asked to join the Concordia College Biology Honors program, which invites excellent junior biology majors to carry out, write up, and present original research in the area of biology. To reflect both my personal and academic interests, I chose to direct my research in conjunction with a grassland duck nesting study being conducted by the U. S. Fish and Wildlife Service (USFWS) Habitat and Population Evaluation Team (HAPET) and the Minnesota Waterfowl Association (MWA.) The USFWS_MWA study sought to gather baseline data on grassland nesting ducks, while my research attempted to identify a relationship between duck nesting success and hostile habitats that may contribute to increased depredation.

This report was commissioned by the HAPET office in Fergus Falls, MN. It is an overview of the nest drag method that underlies both studies, a summary of predator identification contracted independently from my research, and the methods, results, and discussion of my efforts relating to nesting success and hostile habitats.

I acknowledge the USFWS and MWA for providing the funding and equipment needed to conduct this research. I would like to thank Dan Hertel, Tony Rondeau, and Rex Johnson for their technical support on this project as well as their field assistance. Concordia College and my project advisor, Dr. Gerald Van Amburg, were also essential for the implementation and ultimate realization of my research.

Finally, I owe a great deal of thanks to my fellow crew members who assisted with many hours of data collection. Without the efforts of Sue Aker, Nate Brooberg, Jessica Lee, Corey Gray, Tyler Hallock, and Tony Slowik, this research would not have been possible, or as enjoyable.

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ABSTRACT

Nesting success of grassland ducks in the Prairie Pothole Region depends on many factors, but most unsuccessful duck nests can be attributed to destruction by natural predators. Predator identification and an understanding of nest sites in hostile habitats can be combined to improve management practices on both public and private lands, ultimately increasing rate of nesting success. Predator identification can be achieved through systematic evaluation of destroyed nest sites, and once common predator species are noted, steps can be taken to control them. Hostile habitats are important because they encourage the activity of predators, and since many of these habitats are created by humans, the potential for their reduction or elimination often exists.

THE MINNESOTA WATERFOWL ASSOCIATION AND UNITED STATES FISH AND WILDLIFE SERVICE COOPERATIVE AGREEMENT

Research of this magnitude often requires the input of different organizations, and for our study, the Minnesota Waterfowl Association (MWA) and the United States Fish and Wildlife Service (USFWS) worked in partnership to accomplish common goals. Our research was designed to provide baseline nesting success data for upland nesting ducks in the Prairie Pothole Region, and was carried out by the Habitat and Population Evaluation Team (HAPET) division of the Fergus Falls, MN, USFWS station. To date, the study has included two field seasons, 1999-2000.

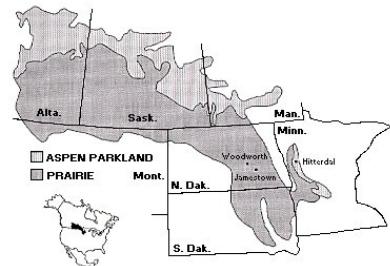


Figure 1.1 The Prairie Pothole Region

In 1999, the study focused on the Fergus Falls wetland management district and included ten townships that spanned an area from southern Otter Tail County, MN to the southern portion of Grant County, MN. In 2000, the study covered the Morris, MN wetland management district and focused on townships scattered throughout four Minnesota counties: Big Stone, Pope, Stevens, and Swift.

Objective of the study

The objective of the study was to provide baseline nesting success data for upland nesting ducks in habitats where information is lacking (Hertel 1). Data was gathered to provide better information for the four square mile production estimates system, and included critical habitat types such as federally owned grasslands, CRP fields, odd areas, privately owned grasslands, woodlands, and road right of ways.

Crews worked with the intention of finding as many nests as possible in as many different habitats as possible.

Study Plan

The sample unit size for the study was a four-square mile block, often referred to as a plot, which copies the homerange of a Mallard duck. This size also tends to provide an adequate mix of large fields and other, smaller habitats such as woodlands and road ditches (Hertel 1). Breeding duck densities within the watershed management district were analyzed to isolate the townships of highest breeding duck densities, and then those townships were divided into nine four-square mile blocks. These sample blocks were then randomly sorted, listed, and analyzed for habitat availability.

Two crews were used to search for nests – one crew consisting of three members, and one crew consisting of two members. At different times crews utilized several search methods which will be described in the next section of this report; crews attempted not to spend more than two days of searching habitats in the same plot.

Two complete searches were done for each study area. The first search was executed between May 1, 2000 and June 2, 2000. The second search lasted from June 5, 2000 to July 7, 2000. HAPET had one full time permanent employee to work on the project and five seasonal MWA cooperative agreement employees to assist in the completion of fieldwork.

Nest Drag Technique

Before discussing the specific methods for this research, it is necessary to understand how nests are initially located. There are several methods used to find nests, but the most common in the Prairie Pothole Region is the cable-chain drag, which was developed by biologists to locate nests in grassland habitat.

Nest dragging involves a “drag” which is a chain or rope of variable weight and length. The drag is then connected between two vehicles, usually four-wheel drive vehicles (4WD) or All Terrain Vehicles (ATV) that are equipped with suitable hitches to prevent the drag from becoming caught in the rear axles while turning corners or maneuvering over rough terrain.

Four-wheel drive drag. When using 4WD, which are usually jeeps, two drivers and a spotter are needed to run the crew. The jeep drag used for our study is 200 feet long and it connects the vehicles while the drivers move forward, in tandem, with some slack in the drag. When the chain passes over a nest, the hen is startled and flushes. The third person on the crew, the spotter, is looking out the back of the jeep and alerts the drivers to the flushing hen. The drivers turn to identify the species of duck while the spotter remains fixed on the location of the flushed hen; then the drivers, directed by the spotter, located the actual nest (Sedivy 1). Usually aerial photos are reviewed and a strategy is developed to maintain efficiency before dragging a field.

ATV drag. The ATV drag is similar to the jeep drag, but there is no spotter involved, so only two people are needed for the crew. The drag used for our study was 100 feet long, and was not as weighted as the jeep drag. Because there are only two people on this crew, they must be constantly alert to spot a flushing hen. Although the jeep drag can cover more ground in a shorter amount of time, the ATV drag has the advantage of being smaller and more maneuverable, which means it can be used to search field edges, slough bottoms, road ditches, or the space between tree rows.

Rope drag. The most physically grueling of all drags for the investigator is the rope drag, which is simply a length of rope pulled by two walking people. This method is used on small sections or where 4WD/ATV are not allowed by landowners.

Hand search. Like the rope drag, the hand search involves human effort, not vehicle work. One or more people carry willow sticks and run them through the grass in an attempt to flush hens. This method is useful because some areas are too small for a vehicle drag. Occasionally a hen will flush during a jeep or ATV drag and the investigators are unable to locate the nest; in these cases, a hand search over the same general area can be done later in the day. If a hen is nesting there, a hand search will cause less disturbance to the nesting site than re-dragging with vehicles (1).

Dog search. The dog search is probably the rarest search method, but it can be effective with a trained dog. This method is based on the fact that dogs have a better sense of smell than people, so they have an advantage at locating nests, even though nesting hens typically don’t produce much scent.

Incidental nests. There is always a possibility that a nest will be found even when crews aren’t searching. Often these nests are discovered when walking out to revisit previously found nests, but occasionally one can be found when doing routine activities like eating lunch or unloading an ATV. These nests don’t fall under a search category when recording data, but are classified simply as incidental.

Safety. The nest drag technique is considered to be safe for both hens and nests; in some instances, the chain will actually pass over a hen and she will not flush. Actual dragging is restricted to 6mph or less for the safety of the hens and nest.

Nest Marking and Revisits

After a nest is located and pertinent data is recorded on the Habitat/Nest Record, the nest is marked so researchers can revisit the nest to monitor its progress.

| HABITAT / NEST RECORD | | | | | | | | | | |
|---|-------------------------------------|-------|----------|--|---------------|-------------------|---------------------------------------|---------------------|------------------|-----------|
| HABITAT AND PROCEDURES | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| <input type="checkbox"/> DNA CONTROL | <input type="checkbox"/> COOPERATOR | | | <input type="checkbox"/> STUDY AREA | | | <input type="checkbox"/> FIELD | | | |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| YEAR | NEST NUMBER | STATE | COUNTY | HABITAT CLASS | OWNER SHIP | MATERIALS ACT. | SAMP PROC | NO. SEARCHES | SEARCH METHOD | |
| NEST DATA | | | | | | | | | | |
| 1 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| <input type="checkbox"/> DNA CONTROL | <input type="checkbox"/> SPECIES | | | <input type="checkbox"/> NEST SIEVEG. | | | <input type="checkbox"/> NEST SIZE | | | |
| 28 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| MAP ZONE | UTM/XYZING | | | | UTM/NOTHING | | | | | |
| OPTIONAL | | | | | | | | | | |
| SEARCH DATES | 32 | 33 | 34 | 35 | 36 | 37 | | | | |
| | 1ST | | | LAST | | | | | | |
| VDF | MD | DX | FME | ZONE | MIN | NEST | WHOLE HOST EGGS | WHOLE PARASITE EGGS | REL TO WATER | WEATHER |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
| | | | | | | | NO. | INCUBATION | NO. | DEPTH |
| | | | | | | | 37 | 38 | 40 | 47 |
| | | | | | | | 41 | 42 | 43 | 48 |
| | | | | | | | 44 | 45 | 46 | 51 |
| | | | | | | | | | | 52 |
| | | | | | | | | | | 53 |
| | | | | | | | | | | 54 |
| | | | | | | | | | | 55 |
| | | | | | | | | | | 56 |
| EXACT TERM | | | | | | | | | | |
| DATE KNOWN | | | FATE | | | CAUSE | | | EGGS HATCHED | |
| FULL CHURCH | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
| | | | | | | | | | | 68 |
| | | | | | | | | | | 69 |
| | | | | | | | | | | 70 |
| | | | | | | | | | | 71 |
| EGGS REMAINING | | | | | | | | | | |
| HOST | | | PARASITE | | | HOST | | | PARASITE | |
| NEST | INPUT ON | | | | | | | | EST. HATCH | AGE FOUND |
| | | | | | | | | | MO. DAY | MO. DAY |
| COMMENTS | | | | | | | | | | |

Figure 1.2 Habitat/Nest Record for recording nesting data. Taken from the Northern Prairie Wildlife Research Center. Available: <http://www.npwrc.usgs.gov/resource/tools/nesttool/yellcard.htm>

Slender willow sticks flagged with short strips of brightly-colored flagging tape are good markers for nests; in short cover, wire survey flags can be used (Klett *et al.* 1986). Stakes should be pushed into the ground four meters north of the nest. It is generally a good idea to use a compass to determine the exact direction from the nest because nests can be surprisingly difficult to find when revisiting.

It is also important to record the location of nests on an aerial photo and with a Geographic Positioning System (GPS) unit. When combined with field notes describing the location of the nest, the aerial photos and GPS coordinates can be used to find the nest in the event that the willow stick or survey flag is dislodged.

Revisiting the nest allows the investigators to determine when the nest is terminated; terminated nests are broken down into four categories: successful, destroyed, abandoned, or infertile. A nest is deemed successful if one or more eggs hatch. While destroyed nest are usually the result of “predation, farming operations, flooding, or livestock...sometimes the direct cause cannot be determined” (Klett *et al.* 1986). Abandoned nests are those containing undisturbed clutches that are no longer tended by a hen. Infertile clutches may continue to be incubated by hens even though they will never produce live chicks.

Nests are revisited every seven to ten days, and the researcher flushes the hen by hand before recording necessary information regarding the status of the nest. If a predator has destroyed the nest, a nest depredation record is filled out. This record can be further analyzed in an attempt to determine what species of predator destroyed the nest.

PREDATOR IDENTIFICATION

Most unsuccessful duck nests can be attributed to destruction by natural predators. Because the Prairie Pothole Region is the breeding ground for many North American ducks, biologists are concerned about the nesting success of these birds. High predation rates of hens naturally led an interest in predator identification (Sargent *et al.* 1998). If wetland managers are able to identify specific predators, steps can be taken to reduce hen depredation by the said predator species.

Methods of HAPET Predator Identification

During nest revisits in the summer of 2000, HAPET personnel and MWA technicians recorded information pertaining to depredated nests. This portion of the grassland nesting studies utilized the nest depredation record produced by the U.S. Geological Survey and the Northern Prairie Wildlife Research Center.

| NEST DEPREDATION RECORD | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|
| ALL DESCRIPTORS PERTAIN TO EVIDENCE FOUND WITHIN A 3-M RADIUS OF NEST | | | | | | | | | | | |
| <input type="checkbox"/> DATA CONTROL <input type="checkbox"/> COOPERATOR 1 2 3 4 5 STUDY AREA FIELD YEAR NEST NUMBER MONTH DAY OBSERVER | | | | | | | | | | | |
| NEST MATERIAL DISPLACEMENT % OF NEST MATERIAL PULLED OUT ON GROUND % BY DISTANCE FROM NEST 23 24 25 26 GROUND DISPLACED AERIALLY DISPLACED AERIALLY DISPLACED 27 28 29 30 ≤20 CM >20 CM - 1 M >1 - 3 M | | | | | | | | | | | |
| INSTRUCTIONS BASED ON SHELL TYPES FOUND TYPE OF EGGSHELLS FOUND (0) NO SHELLS; (1) 1 SHELL; (2) 2 SHELLS; (3) 3 SHELLS; (4) ≥4 SHELLS SKIP BOXES 44-76 (1) ONLY FRAGMENT(S); SKIP BOXES 44-53 AND BOXES 55-76 (2) ≥1 SHELL; FILL ALL REMAINING BOXES | | | | | | | | | | | |
| CACHED EGGS IN NEST OUTSIDE NEST 31 32 33 34 35 SOIL DEPTH OVER DEEPEST EGG OUTSIDE NEST GIVE NUMBER; ENTER (0) IF NONE (0) NONE (1) 1 CM (2) 1-3 CM (3) >3 CM (99) UNCERTAIN BUT: 1 | | | | | | | | | | | |
| DUG AREAS NUMBER WIDTH OF WIDEST 36 37 38 (1) 1-5 CM (2) 5-10 CM (3) 11-20 CM (4) >20 CM | | | | | | | | | | | |
| WHOLE EGGS IN NEST OUTSIDE NEST 39 40 41 42 NUMBER FOUND; ENTER (0) IF NONE | | | | | | | | | | | |
| NUMBER OF SHELLS BY TYPE NUMBER WITH SMALL HOLES NUMBER WITH LARGE HOLES NUMBER FRACTURED NUMBER TRAMPLED NUMBER CRUSHED 44 45 46 47 48 49 50 51 52 53 >3/4 SHAPE INTACT >1/2 - 3/4 SHAPE INTACT CONNECTED PIECES >1/2 EGG BUT ONLY 1/4 - 1/2 SHAPE INTACT CONNECTED PIECES >1/2 EGG BUT ONLY 1/4 SHAPE INTACT CONNECTED PIECES >1/2 EGG WADDLED IN SPHERE; <1/4 SHAPE INTACT | | | | | | | | | | | |
| SHELL FRAGMENTS NUMBER OF FRAGMENTS 54 (0) NONE (1) TRACE (2) <1 EGG (3) 1-3 EGGS (4) >3 EGGS INDIVIDUAL OR CONNECTED PIECES >1/2 EGG | | | | | | | | | | | |
| LOCATION OF OPENINGS IN EGGSHELLS FOR SHELLS WITH SMALL AND LARGE HOLES ONLY SIDE END SIDE-END 55 56 57 58 59 60 | | | | | | | | | | | |
| SHELLS WITH MULTIPLE OPENINGS NUMBER OF SHELLS WITH ≥2 OPENINGS; ENTER (0) IF NONE 61 62 | | | | | | | | | | | |
| SHELLS WITH CONTENTS CLEAN CONSPICUOUS YOLK BUT <1/4 CONTENTS PRESENT CONSPICUOUS YOLK AND >1/4 CONTENTS PRESENT 63 64 65 66 67 68 GIVE NUMBER; ENTER (0) IF NONE | | | | | | | | | | | |
| PREDATOR SPECIES 79 (1) IF POSITIVELY KNOWN SPECIES 80 (1) IMPORTANT COMMENTS PROVIDED | | | | | | | | | | | |
| COMMENTS REV. 5-96 | | | | | | | | | | | |
| SHELL LOCATIONS FOR ALL SHELLS EXCEPT FRAGMENTS AND WHOLE EGGS IN NEST EDGE >20 CM >20 CM - 1 M >1 M - 1 M >1 M 69 70 71 72 73 74 75 76 NUMBER IN EACH CATEGORY; ENTER (0) IF NONE | | | | | | | | | | | |
| DEAD HEN OR DUCKLING(S) 77 (0) NO EVIDENCE OF DEATH (1) LOOSE FEATHERS OR BLOOD (2) CARCASS PARTS WITH HEN (3) OOCARASS PARTS WITH DUCKLING (4) WHOLE CARCASS 78 NUMBER FOUND DEAD (0) NONE (1-5) NUMBER (9) 1-9 | | | | | | | | | | | |

Figure 2.1 Format recommended in the Prairie Pothole Region for recording evidence of depredation found at duck nests destroyed by predators. Taken from the Northern Prairie Wildlife Research Center. Available: <http://www.npwrc.usgs.gov/resource/1999/depred/appenxd1.htm>

After data is recorded, it can be analyzed and a probable predator can be assigned to a depredated nest.

The HAPET predator analysis involved comparing available data against depredation characteristics set forth in the 1998 publication *Interpreting Evidence of Depredation of Duck Nests in the Prairie Pothole Region* written by Alan B. Sargeant, Marsha A. Sovoda, and Raymond J. Greenwood. This work produced a detailed list of characteristic trends observed by investigators pertaining to eleven predators known to affect the success of nesting ducks in the Prairie Pothole Region: coyotes, red foxes, striped skunks, American badgers, minks, weasels, Franklin's ground squirrels, Black-billed Magpies, American crows, and gulls.

Identification of predators was accomplished by individually evaluating each depredated nest record against the standards devised by Sargeant, Sovoda, and Greenwood. When applicable,

individual information for specific nests was utilized. This information could include: photographs of the depredated nest, recorded information pertaining to location and/or habitat of nest, sighted predators in the nest area, or scat/scent left at the nest by predators.

In 2000, HAPET personnel and MWA cooperative agreement employees found a total of 521 duck nests; of these, 278 nests were depredated (53.4%). Every attempt was made to assign a probable predator to each depredated nest.

Results

Of the 278 depredated nests in 2000, the following predators were identified, along with the number and percentage of nests depredated by each species: coyotes (9, 3.2%); red foxes (31, 11.2%); raccoons (34, 12.2%); striped skunks (72, 25.9%); American badgers (31, 11.2%); minks (4, 1.4%); weasels (1, 0.4%); Franklin's ground squirrels (2, 0.7%); American crows (1, 0.4%). Additionally, some nests were suspected of predation by multiple species (6, 2.2%).

Sometimes, despite all attempts, there was not enough information to determine a predator. These nests were labeled "unknown" (48, 17.3%). If there was a discrepancy between possible predators, each probable predator was identified and the nest was classified as "unsure" (39, 14%). Appendix A contains habitat/nest record information for each nest as well as predator identification information.

Because the study spanned four counties and eighteen study areas, predator species breakdown information was analyzed in three ways; overall, by county, and by study area (Appendix B Tables 1-23).

Challenges of Predator Identification

Although the protocol designed by Sargeant, Sovada, and Greenwood makes every attempt at objectivity, some qualities of predator identification remain both variable and subjective.



Because a predator may exhibit unique qualities, just as an individual person does, characteristics of nest depredation can be unpredictable (Lariviere 1997). While trends can be identified for *most* individuals of a predator species, variations in the actual individuals will exist. The factors that help identify a predator are based on a combination of observations gathered by investigators about vegetative, nest bowl, and eggshell conditions. Investigators are often at a disadvantage because the necessary interval between nest visits (typically 7-10 days) must be kept moderate in attempts

to prevent visitor-induced predation while maintaining nest-searching efficiency. However, several confounding factors can influence the nest site in the relatively long span between nest visits.

Figure 2.2 Depredated Blue-winged Teal eggs.

Repeat predation by the initial predator, predation by multiple predators, hen return to depredated nest, or inclement weather conditions can all affect the appearance of depredated nests. Often these changes can happen rapidly, making interpretation of available evidence confusing for the investigator (Lariviere 1997). Eggshells, cached eggs, or strewn nest material can be difficult to find in dense cover, and it is easy to overlook small details that may later be of importance.

While some critics go as far as to say "that nest appearance does not provide a reliable method for the identification of waterfowl nest predators," the ability for managers to even qualitatively identify the most common predators should be valued.

NEST DEPREDATION IN RELATION TO HOSTILE HABITATS

After spending the 1999 field season working to acquire baseline data on grassland nesting ducks, some general observations were made regarding the relationship between nesting success and nest location. While the casual observer may think that ducks select their nesting sites arbitrarily, biologists believe that organisms are not distributed randomly among habitats (Clark 1999). While it may not ever be possible for humans to understand why a hen will choose to nest in a certain patch of grass, avian survival and reproductive performance can depend on nest-site selection, which makes it both an interesting and practical area of study for biologists and managers.

Nest site choices can be attributed to the process of natural selection, which could result in nest site preferences than are genetic, imprinted, or learned (Klopfer 1963, Hilden 1965, Cink 1976, Sonerud 1985, Clark 1999). While the thought that natural selection underlies a hen's choice of a nest site is a valuable area of study, the examination of the differences between unsuccessful and successful nest sites is also crucial.

There are several factors that affect nesting success, but predators undoubtedly have the most influence over the outcome of a hen's nesting endeavors (Ricklefs 1969, Martin 1995, Clark 1999). Predators in general actively seek out game, and they are attracted to objects that hold scent or linear structures, such as these factors, which may be natural or artificial, could have a large impact on nesting success. Because of this, I chose to study whether or not certain nesting locations selected by a hen would render her nest more susceptible to predators; these areas were identified as hostile habitats.

The hostile habitats that I selected for evaluation in 2000 were based on general observations that I had made during fieldwork in 1999. I did not characterize hostile habitats according to vegetation type or predator density, but chose instead to define a hostile habitat as any ecological habitat that included one of the following structures within 100 meters of the nest site:

- 1) A wetland edge
- 2) A linear structure such as a fence, line of telephone poles, tree row, field edge, or road ditch
- 3) Tree/shrub or group of trees/shrubs
- 4) A stationary structure such as a pile of rocks, lone fence post, a building, or abandoned farm equipment

Additionally, I had previously observed that nests unusually close to vehicle tracks were depredated more than nests that were farther away from vehicle tracks. Vehicle tracks are an important factor because they are both artificial and unavoidable while nest dragging, and their presence near a nest is left to chance. Nest dragging poses certain threats to nesting ducks because humans influence the nest by depositing scent while locating the nest, erecting a willow stick four meters from the nest, and leaving vehicle tracks a maximum of 30 meters from a vehicle track. Because the marking willow stick is the most proximal constant at each nest, I chose to incorporate its distance from the nest into my last hostile habitat:

- 5) Vehicle tracks within four meters of the nest site

My main objective for the study was to make generalizations regarding the potential effects of hostile habitats on duck nesting success; these conclusions could then be used by waterfowl managers or private land owners for personal waterfowl management.

I hypothesized that the success rate of nests located in hostile habitats would improve as the distance from the structure that defined the habitat as hostile increased.

Methods for Obtaining Original Data

Nest dragging methods, as extensively discussed earlier in this report, were conducted in eighteen four-square mile study areas selected randomly across the following Minnesota counties: Pope, Stevens, Swift, and Traverse. When a nest was found, it was revisited until termination, and when termination was the result of depredation, information was gathered and an attempt at predator identification was made when the field season was completed.

Of the 521 nests found in 2000, 446 (85.6%) were evaluated for location in a hostile habitat. If the nest fell into a hostile habitat, the distance from the nest to the structures defining the habitat were recorded in meters (Appendix C). In many cases, nests were within 100 m of more than one structure; data was then recorded for each structure, since it is impossible to tell which, if any, structures contributed to depredation or success. Abandoned nests, nests damaged or destroyed by investigators, nests inside predator exclusion fences, or nests with insufficient habitat data were eliminated from the data pool.

Because time spent at the nest is minimal, observers were forced to estimate distances to hostile habitat structures; this reality is reflected in the distance ranges in my graphed data. Close structures could be quickly measured with the same methods used to erect willow markers four meters from the nest bowl. When the structure was between 20 and 50 m observers were believed to be moderately accurate; between 50 and 100 m, accuracy is expected to decrease when estimating distance in a brisk fashion. These estimations are an unfortunate result of the need to spend as little time at the nest site as possible in an attempt to eliminate, or at least reduce, the possibility of human-induced predation. Although neither were used in the actual data processing, specific nest site vegetation data, as well as documentation of the species of duck utilizing the nesting site was also recorded. Because hostile habitat structures are considered permanent when studying the relatively short-term incubation period of ducks, it was irrelevant which nest visit the hostile habitat data was recorded on.

The collected data was then referenced on a spreadsheet and graphed to reflect the percentage of depredated nests in relation to the distance of the nest site from each hostile habitat structure (wetland edge, linear structure, tree (s)/shrub(s), stationary structure, or vehicle track.)

Results

Of the 521 nests found in 2000, 408 (78.3%) qualified for the hostile habitat study. There were 234 depredated nests (57.4%) and 174 successful nests (42.6%). These nests were then placed into the respective hostile habitat categories and depredation rates were calculated for all nests in the hostile habitat (all nests < 100 m from the hostile habitat structure) are displayed in Table I. Additionally, depredation rates are shown for the following distance ranges: (1) 1-5 m; (2) 6-10 m; (3) 11-15 m; (4) 16-20 m; (5) 21-50 m; (6) 51-100 m; (7) > 100 m. These results were compiled in Tables II and III.

| Hostile Habitat | Depredation Rate | Sample Size |
|------------------------|-------------------------|--------------------|
| Wetland edge | 67.50% | 203 |
| Linear Structure | 58.40% | 149 |
| Tree(s)/Shrub(s) | 65.70% | 99 |
| Stationary structure | 44.40% | 27 |
| Vehicle track | 68.80% | 64 |

Table I Depredation percentages for all nests in a hostile habitat.

| Distance to Hostile | Hostile Habitats Depredation Rate | | | |
|------------------------------|--|-------------------------|-------------------------|-----------------------------|
| Habitat Structure (m) | Wetland edge | Linear structure | Tree(s)/shrub(s) | Stationary structure |
| 0 | 72.22% | 28.57% | 0.00% | 0.00% |
| 1-5 | 84.62% | 68.42% | 40.00% | 50.00% |
| 6-10 | 86.36% | 71.43% | 73.68% | 60.00% |
| 11-15 | 76.92% | 57.14% | 78.57% | 0.00% |
| 16-20 | 58.33% | 68.75% | 75.00% | 0.00% |
| 21-50 | 62.67% | 43.18% | 57.50% | 66.67% |
| 51-100 | 61.54% | 66.67% | 66.67% | 33.33% |
| 100+ | 47.50% | 56.76% | 54.69% | 58.27% |
| | | | | |

Table II Nest depredation rates for individual hostile habitats and specific distance ranges.

| Distance to Vehicle Track (m) | Depredation Rate |
|--------------------------------------|-------------------------|
| 0 | 60.00% |
| 0.1-0.9 | 77.78% |
| 1 | 73.33% |
| 2 | 61.54% |
| 3 | 66.67% |
| 4 | 50.00% |
| 4+ | 44.77% |

Table III Nest depredation rates for nests near vehicle tracks.

Data from these figures was then graphed to reflect trends in the percentage of depredation in relation to the distance from the hostile habitat structure. Nests that were within 100 m of more than one structure were calculated and graphed under all necessary hostile habitat categories. These graphs were included on the following pages in figures 3.1-3.5.

Nest Depredation In Relation to Wetland Edges

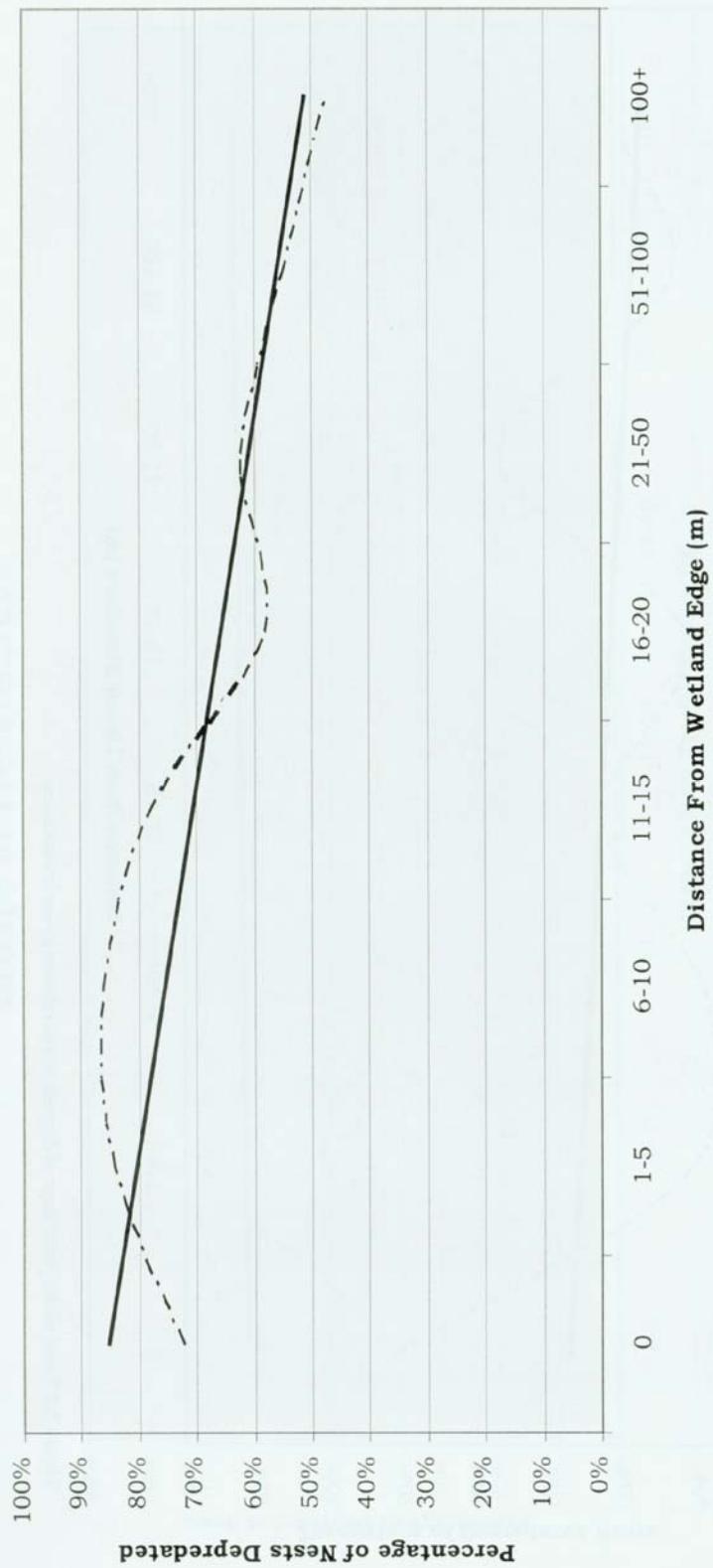


Figure 3.1 Trend of the percentage of depredation in relation to distance from wetland edges.

Nest Depredation in Relation to Linear Structures

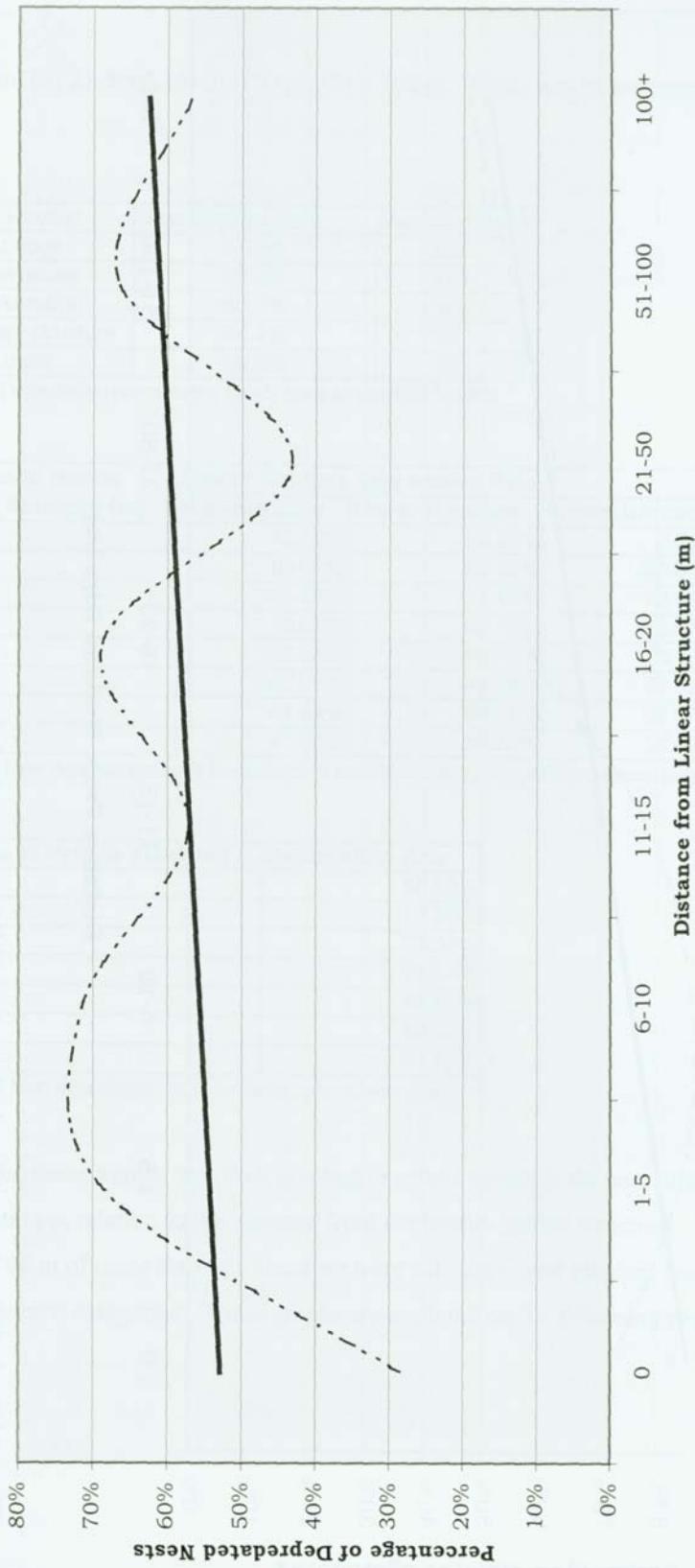


Figure 3.2 Trend of the percentage of depredation in relation to linear structures.

Nest Depredation in Relation to Individual Trees/Shrubs or Groups of Trees/Shrubs

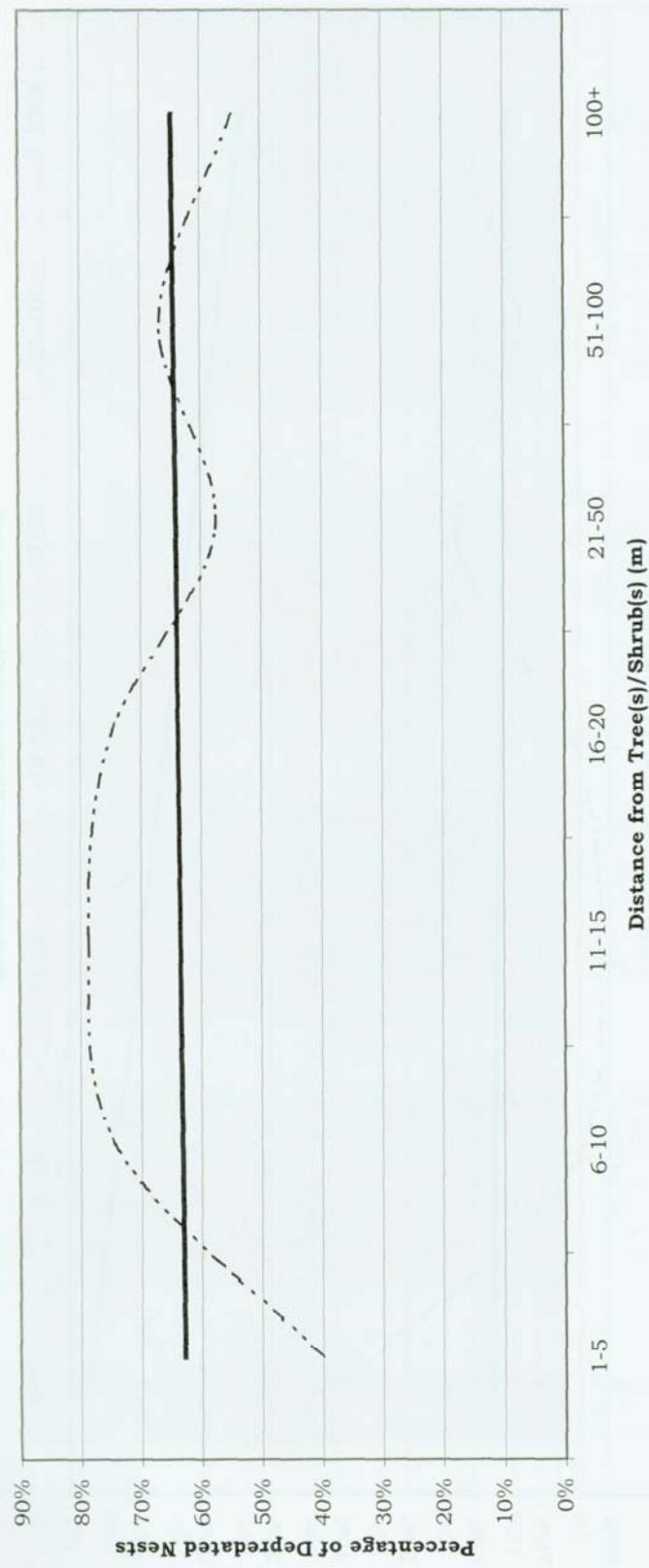


Figure 3.3 Trend of the percentage of depredation in relation to distance from tree(s)/shrub(s).

Nests Depredated in Relation to Stationary Structures

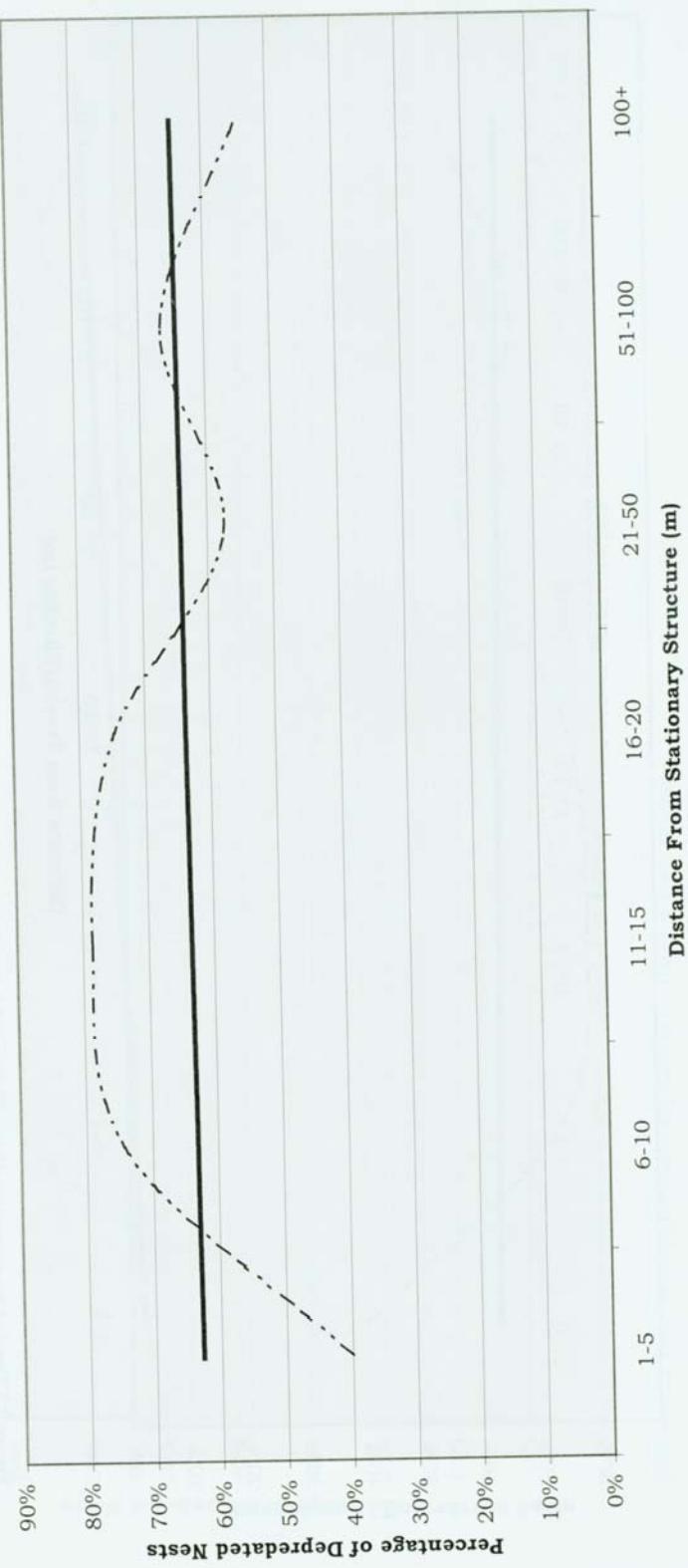


Figure 3.4 Trend of the percentage of depredation in relation to distance from stationary structures.

Nest Depredation in Relation to Vehicle Tracks

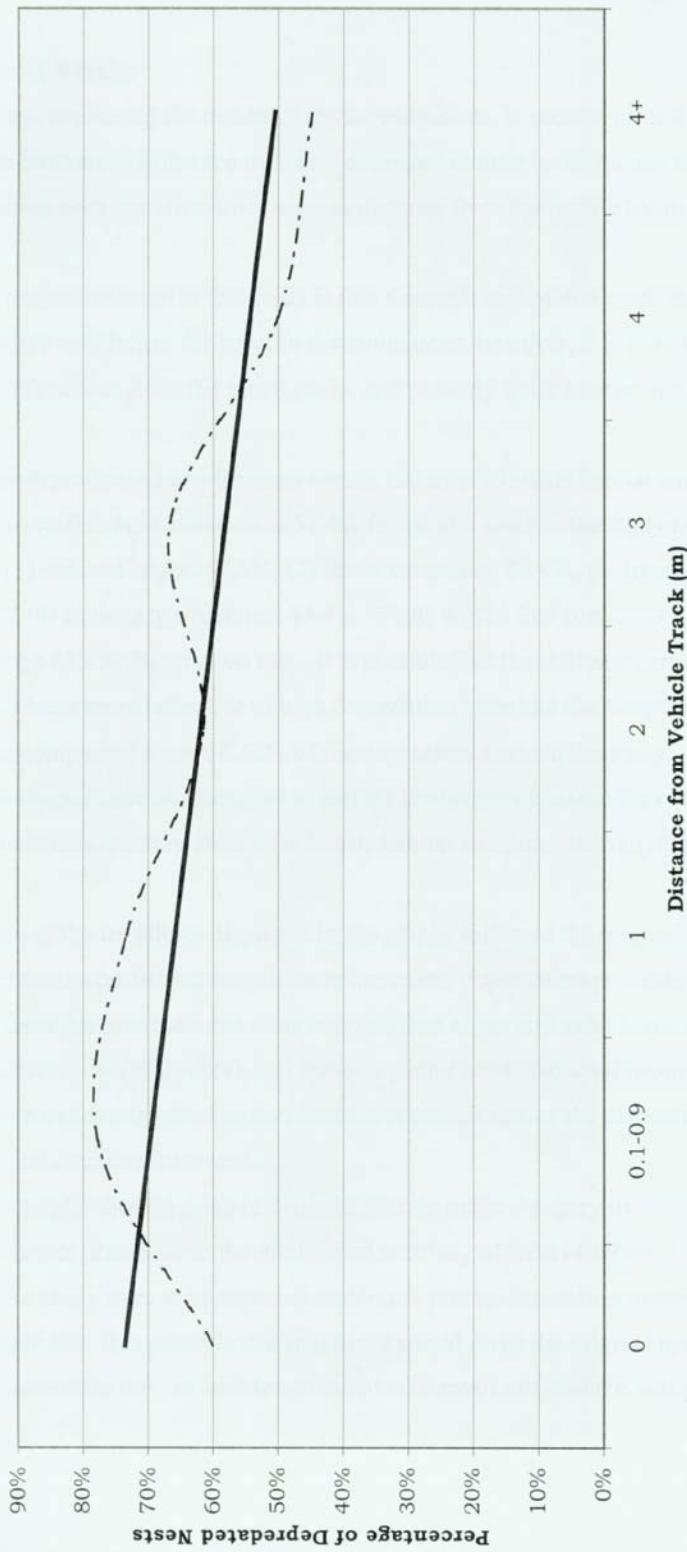


Figure 3.5 Trend of the percentage of depredation in relation to the distance from vehicle tracks.

Discussion of Results

When evaluating the results of my investigations, it became clear that hostile habitats do have some influence over nest depredation rates, even though the percentage of depredation does not always decrease as distance from the hostile habitat structure increases.

A major challenge to this study is that a sample size of 408 nests during only one field season is insufficient for specific determinations; however, it is possible to make some generalizations from this small study, and possibly spark interest for further research.

The depredation rates for nests within 100 m of a hostile habitat structure are above the overall depredation rate of 57.4% for all 408 nests in the study in all but one category: (1) wetland edges, 67.5%; (2) linear structures, 58.4%; (3) tree(s)/shrub(s), 65.7%; and (4) stationary structures, 44.4%. Nests within four meters of a vehicle track experienced a 68.8% depredation rate. It is possible that the stationary structure data would have been more reflective of high depredation rates had the sample size been larger: it encompassed a mere 6.62% of the depredated nests in the study. These gross findings are significant for managers or private landowners because they suggest that more depredations occur in these areas near hostile habitat structures than in relatively open field areas.

Two of the trendlines displayed in the graphs followed the original hypothesis that as distance from a hostile habitat structure increased, depredation percentage rates would decrease: these habitats included nests near wetland edges and vehicle tracks. Nests near linear structures, tree(s)/shrub(s), and stationary structures displayed inconclusive results; in fact, some trends suggested an increased depredation rate as the distance from the hostile habitat structure increased.

All graphs showed a sag in depredation rate in the category of 51-100 m, and this is an unfortunate drawback to the diminished accuracy of field observers in this distance range. If the study were to be repeated with more precise measuring methods and a larger sample size, it is possible that trendlines would favor the original hypothesis more than the final results did. In addition to the overall small sample size, sample sizes for some distance ranges of individual hostile habitats were unbalanced, or completely lacking. This undoubtedly contributed to some distortion of graphing trends.

The combination of gross data for nests within 100 m of wetland edges and 4 m of vehicle tracks, and the graphed trends for these same hostile habitats, suggests that nests near wetlands and vehicle tracks experience a lower rate of success. However, the success rate does improve as nests move farther away from the wetland edge or vehicle track. This conclusion, as well as the inference that nests close to any hostile habitat will have a lower success rate than nests in open areas, leads to the following management implications and suggestions for future research.

MANAGEMENT IMPLICATIONS AND POSSIBILITIES FOR FUTURE RESEARCH

The ultimate objective of this study, aside from the pursuit of scientific discovery, was the practical application of the data for waterfowl managers, or the private landowner wishing to increase duck nesting access on his or her property. While some general recommendations can be made for managers and landowners, probably the most exciting part of this research project is that the results indicate a need for further research in the area of hostile habitats and duck nesting success.

Recommendations for Management and Private Landowners

Managers have the daunting task of taking a section of land and trying to make it a safe and productive area for ducks to nest in. Based on the findings of this study the following recommendations can be made:

1. While water is essential for breeding, hen maintenance, and brood rearing success, large open grasslands for nest sites are also important for ducks. Wetland edges usually are not able to be altered, nor does this report intend to suggest that they should be changed in any way; however, the manager or private landowner desiring to increase nesting success also should attempt to provide safer expanses of cover for nesting hens.
2. Structures, especially those that are artificial, should be removed from available open nesting ground. Some sections of land are littered with dead trees, piles of rocks, old fencelines, or abandoned farm machinery. These structures will hold numerous scents and exist as an attractive curiosity, if not a functional home, for some predators. When feasible, attempts should be made to dispose of unnecessary hostile habitat structures.
3. The operation of motorized vehicles on land intended for duck nesting grounds should be eliminated completely. Vehicle tracks are an artificial hindrance to nesting success, and the possibility that a vehicle might directly destroy a nest always exists. While it is not permitted to drive on most state and federal nesting grounds, private landowners often will drive around to view their property. This should be avoided; additionally, in dense cover, vehicle tracks may persist from season to season, so it is not always sufficient to restrict vehicle use only during hen nesting. If vehicle use is necessary, track surface area should be kept to a minimum, which can be accomplished by repeatedly driving on the same path.

Some managers or landowners are active in predator control by the utilization of hunting, trapping, or predator exclusion methods. While these options are available and desirable in some cases, the above recommendations attempt to boost nesting success in grassland ducks by assisting hens instead of merely inhibiting predators.

Future Research

This study had several drawbacks, but the most difficult to overcome was the lack of controls; because the hostile habitat study I conducted was in addition to an already established research, there was no way to control the sample size or location of nests.

Similar research could be successfully conducted by using artificial nests, which would allow investigators to select hostile habitats and place an ample number of nests specific distances from the hostile structures. Because many duck nesting studies, especially studies involving predators, utilize the artificial nest, a relatively small amount of background work would be required. Many Waterfowl Production Areas (WPAs) and Waterfowl Management Areas (WMAs,) as well as available private properties, contain the previously defined hostile habitats, so study sites in areas of high density nesting estimates should be relatively plentiful.

This study reflects other areas of study as well. Due to the underlying idea that natural selection plays a role in which nest sites are chosen by hens, further research could be conducted regarding the evolutionary pressures influencing nest site selection. While Clark and Shutler in Saskatchewan conducted a previous study concerning avian habitat selection, further research could be conducted throughout the Prairie Pothole Region.

Another observation made by personnel and technicians while working on the USFWS-MWA study could lead to future research. While searching for nests using the nest drag method, sometimes investigators find nests located unusually close to each other. These nests, which we referred to as “twin nests” may have been separated by a mere 10 m, and often shred the same fate. Additionally, those that were unsuccessful because of depredation often appeared to have been destroyed by the same predator species. It would be interesting to know why some hens occasionally choose to nest so close together, and whether or not this contributes to the success or failure of both nests.

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| Study Area | Field | Nest | County | Habitat | UT | Easting | Northing | Species | Nest Veg | Fate | Cause | Ownership | Predator | Nest Initiation | Estimated Hatch | Age found | Vegetation | Description of vegetation |
|------------|-------|------|--------|---------|----|---------|----------|---------|----------|------|-------|-----------|----------------------------|-----------------|-----------------|-----------|---------------|-----------------------------------|
| BA8 | 021 | 002 | 121 | 1 | 15 | 310402 | 5042188 | 1320 | 02 | 1 | - | 14 | | 20-Apr-00 | 25-May-00 | 27 | cool | brome/alfalfa |
| BA8 | 021 | 004 | 121 | 1 | 15 | 310367 | 5042089 | 1320 | 02 | 1 | - | 14 | | 08-May-00 | 12-Jun-00 | 9 | cool | brome/alfalfa |
| BA8 | 021 | 006 | 121 | 1 | 15 | 310558 | 5042121 | 1320 | 02 | 3 | 1 | 14 | raccoon | 10-May-00 | 14-Jun-00 | 7 | cool | brome/alfalfa |
| BA8 | 021 | 008 | 121 | 1 | 15 | 310584 | 5042040 | 1320 | 02 | 1 | - | 14 | | 22-Apr-00 | 27-May-00 | 25 | cool | brome/alfalfa |
| BA8 | 021 | 012 | 121 | 1 | 15 | 310403 | 5042053 | 1400 | 02 | 3 | 6 | 14 | | ***** | ***** | | cool | brome/alfalfa |
| BA8 | 032 | 001 | 121 | 1 | 15 | 309159 | 5042997 | 1320 | 02 | 3 | 1 | 14 | raccoon | 01-May-00 | 09-Jun-00 | 10 | cool | brome/timothy/alfalfa |
| BA8 | 032 | 003 | 121 | 1 | 15 | 309146 | 5043059 | 1320 | 02 | 1 | - | 14 | | 30-Apr-00 | 04-Jun-00 | 17 | cool | brome/timothy |
| BA8 | 036 | 001 | 121 | 7 | 15 | 317939 | 5044687 | 1320 | 02 | 3 | 1 | 14 | raccoon | 08-May-00 | 12-Jun-00 | 9 | native | |
| BA8 | 036 | 002 | 121 | 1 | 15 | 310466 | 5043970 | 1320 | 02 | 3 | 1 | 14 | skunk | 25-Apr-00 | 30-May-00 | 22 | cool | brome/timothy/alfalfa/wheat grass |
| BA8 | 036 | 003 | 121 | 1 | 15 | 310647 | 5044040 | 1400 | 02 | 3 | 1 | 14 | unknown | 20-May-00 | 23-Jun-00 | 6 | cool | brome |
| BA8 | 036 | 004 | 121 | 1 | 15 | 310598 | 5043961 | 1400 | 02 | 1 | - | 14 | | 03-May-00 | 09-Jun-00 | 14 | native | alfalfa |
| BA8 | 036 | 006 | 121 | 1 | 15 | 310567 | 5043856 | 1320 | 02 | 3 | 1 | 14 | fox | 11-May-00 | 15-Jun-00 | 6 | cool | alfalfa |
| BA8 | 036 | 008 | 121 | 1 | 15 | 310471 | 5043505 | 1320 | 02 | 3 | 6 | 14 | | ***** | ***** | | cool | brome |
| BA8 | 036 | 101 | 121 | 1 | 15 | 310382 | 5043894 | 1320 | 02 | 3 | 1 | 14 | unknown | 27-May-00 | 27-Jun-00 | 25 | cool | alfalfa/timothy/brome |
| BA9 | 001 | 002 | 121 | 1 | 15 | 311539 | 5041328 | 1400 | 02 | 3 | 1 | 14 | unsure--mink/weasel | 04-May-00 | 08-Jun-00 | 14 | cool | brome |
| BA9 | 001 | 004 | 121 | 1 | 15 | 311450 | 5041320 | 1320 | 02 | 3 | 6 | 14 | | ***** | ***** | | cool | brome |
| BA9 | 001 | 006 | 121 | 1 | 15 | 311400 | 5041382 | 1400 | 02 | 1 | - | 14 | | 07-May-00 | 13-Jun-00 | 11 | cool | brome |
| BA9 | 012 | 001 | 121 | 1 | 15 | 311307 | 5042597 | 1400 | 02 | 2 | 9 | 14 | hen died of natural causes | 06-May-00 | 11-Jun-00 | 12 | cool | brome |
| BA9 | 012 | 002 | 121 | 1 | 15 | 311859 | 5042511 | 1320 | 02 | 1 | - | 14 | | 14-Apr-00 | 19-May-00 | 34 | native/switch | |
| BA9 | 012 | 004 | 121 | 1 | 15 | 311646 | 5042492 | 1320 | 02 | 1 | - | 14 | | 30-Apr-00 | 03-Jun-00 | 19 | native/switch | |
| BA9 | P12 | 001 | 121 | 1 | 15 | 311209 | 5043722 | 1400 | 02 | 5 | - | 32 | | 09-May-00 | 13-Jun-00 | 9 | cool | |
| BS9 | B53 | 006 | 11 | 1 | 14 | 704736 | 5022691 | 1320 | 02 | 1 | - | 32 | | 24-Apr-00 | 29-May-00 | 8 | native | |
| BS9 | B53 | 008 | 11 | 1 | 14 | 704610 | 6022761 | 1320 | 02 | 3 | 1 | 32 | unknown | 18-Apr-00 | 23-May-00 | 14 | native | |
| BS9 | B53 | 050 | 11 | 7 | 14 | 704518 | 5023083 | 1320 | 02 | 2 | 6 | 32 | | 30-Apr-00 | 04-Jun-00 | 2 | cool | brome/sweet clover/forbs |
| BS9 | B53 | 138 | 11 | 1 | 14 | 705281 | 5023098 | 1320 | 02 | 3 | 1 | 32 | unsure--mink/crow | 31-May-00 | 07-Jul-00 | 6 | cool | brome/kentucky blue/alfalfa |
| BS9 | B53 | 140 | 11 | 1 | 14 | 705238 | 5023038 | 1400 | 03 | 3 | 1 | 32 | unknown | 26-May-00 | 28-Jun-00 | 11 | cool/native | brome |
| BS9 | B53 | 142 | 11 | 1 | 14 | 704818 | 5023055 | 1320 | 02 | 3 | 1 | 32 | unknown | 22-May-00 | 28-Jun-00 | 15 | cool | brome/forbs |
| BS9 | B53 | 146 | 11 | 1 | 14 | 704782 | 5022658 | 1320 | 02 | 1 | - | 32 | | 15-May-00 | 17-Jun-00 | 22 | native | intermediate wheat grass |
| BS9 | B53 | 148 | 11 | 1 | 14 | 704782 | 5022658 | 1320 | 02 | 1 | - | 32 | | 17-May-00 | 17-Jun-00 | 20 | native | intermediate wheat grass |
| BS9 | B53 | 150 | 11 | 10 | 14 | 704798 | 5022489 | 1320 | 08 | 3 | 1 | 32 | unknown | 15-May-00 | 19-Jun-00 | 22 | wetland veg. | |
| BS9 | B53 | 152 | 11 | 1 | 14 | 704748 | 5022581 | 1320 | 02 | 1 | - | 32 | | 10-May-00 | 17-Jun-00 | 27 | native | |
| BS9 | B53 | 154 | 11 | 1 | 14 | 704740 | 5022755 | 1320 | 02 | 3 | 1 | 32 | unsure--mink/crow | 31-May-00 | 30-Jun-00 | 6 | native | |
| BS9 | B53 | 156 | 11 | 1 | 14 | 704666 | 5022748 | 1320 | 02 | 3 | 1 | 32 | skunk | 25-May-00 | 25-Jun-00 | 12 | native | |
| BS9 | B53 | 158 | 11 | 1 | 14 | 704646 | 5022922 | 1320 | 02 | 1 | - | 32 | | 17-May-00 | 20-Jun-00 | 20 | native | |
| BS9 | B57 | 001 | 11 | 1 | 14 | 705867 | 5024406 | 1320 | 02 | 1 | - | 32 | | 22-Apr-00 | 27-May-00 | 9 | cool | brome |
| BS9 | B57 | 002 | 11 | 1 | 14 | 704626 | 5024687 | 1320 | 02 | 1 | - | 32 | | 24-Apr-00 | 29-May-00 | 7 | cool | brome |
| BS9 | B57 | 003 | 11 | 1 | 14 | 705029 | 5024645 | 1320 | 02 | 2 | 6 | 32 | | 01-May-00 | 05-Jun-00 | 0 | cool | brome |
| BS9 | B57 | 004 | 11 | 1 | 14 | 705512 | 5024248 | 1320 | 02 | 1 | - | 32 | | 23-Apr-00 | 28-May-00 | 8 | cool | brome |
| BS9 | B57 | 005 | 11 | 1 | 14 | 705440 | 5024168 | 1320 | 02 | 3 | 1 | 32 | unknown | 18-Apr-00 | 23-May-00 | 13 | cool | brome |
| BS9 | B57 | 006 | 11 | 1 | 14 | 704742 | 5024171 | 1320 | 02 | 1 | - | 32 | | 16-Apr-00 | 21-May-00 | 15 | wetland veg. | reed/canary grass |
| BS9 | B57 | 007 | 11 | 1 | 14 | 705269 | 5023306 | 1320 | 02 | 3 | 1 | 32 | raccoon | 25-Apr-00 | 30-May-00 | 15 | cool | brome |
| BS9 | B57 | 050 | 11 | 10 | 14 | 704711 | 5024569 | 1320 | 02 | 3 | 1 | 32 | badger | 23-Apr-00 | 28-May-00 | 8 | cool | |
| BS9 | B57 | 051 | 11 | 1 | 14 | 704876 | 5023553 | 1320 | 02 | 3 | 1 | 32 | badger | 17-Apr-00 | 22-May-00 | 14 | cool | brome |
| BS9 | B57 | 101 | 11 | 10 | 14 | 705247 | 5024486 | 1320 | 09 | 1 | - | 32 | | 02-May-00 | 05-Jun-00 | 34 | wetland veg. | reed/canary grass |
| BS9 | B57 | 102 | 11 | 1 | 14 | 705725 | 5024753 | 1320 | 02 | 3 | 1 | 32 | raccoon | 03-May-00 | 06-Jun-00 | 30 | cool | |
| BS9 | B57 | 103 | 11 | 10 | 14 | 705230 | 5024515 | 1320 | 09 | 1 | - | 32 | | 05-May-00 | 06-Jun-00 | 31 | wetland veg. | reed/canary grass |
| BS9 | B57 | 104 | 11 | 1 | 14 | 705487 | 5024750 | 1400 | 02 | 1 | - | 32 | | 18-May-00 | 22-Jun-00 | 15 | cool | |
| BS9 | B57 | 105 | 11 | 10 | 14 | 705302 | 6024519 | 1320 | 09 | 3 | 1 | 32 | skunk | 31-May-00 | 03-Jul-00 | 6 | wetland veg. | cattails |
| BS9 | B57 | 106 | 11 | 1 | 14 | 704776 | 5024745 | 1400 | 02 | 3 | 1 | 32 | badger | 11-May-00 | 15-Jun-00 | 25 | cool | kentucky blue/brome |
| BS9 | B57 | 107 | 11 | 10 | 14 | 705395 | 5024391 | 1320 | 09 | 1 | - | 32 | | 06-May-00 | 06-Jun-00 | 30 | wetland veg. | slough grass/cattails |
| BS9 | B57 | 108 | 11 | 1 | 14 | 704750 | 5024700 | 1400 | 02 | 1 | - | 32 | | 04-May-00 | 08-Jun-00 | 32 | cool | brome |
| BS9 | B57 | 109 | 11 | 1 | 14 | 704540 | 5024422 | 1350 | 02 | 2 | 9 | 32 | | 25-May-00 | 29-Jun-00 | 11 | cool | brome |
| BS9 | B57 | 110 | 11 | 1 | 14 | 704738 | 5024743 | 1320 | 02 | 3 | 1 | 32 | raccoon | 28-May-00 | 01-Jul-00 | 8 | cool | brome |
| BS9 | B57 | 111 | 11 | 1 | 14 | 704342 | 5024387 | 1350 | 02 | 3 | 1 | 32 | fox | 25-May-00 | 29-Jun-00 | 11 | cool | |
| BS9 | B57 | 112 | 11 | 1 | 14 | 705644 | 5024656 | 1320 | 02 | 3 | 1 | 32 | skunk | 29-May-00 | 21-Jun-00 | 7 | cool | |
| BS9 | B57 | 113 | 11 | 1 | 14 | 704087 | 5024621 | 1350 | 02 | 3 | 1 | 32 | raccoon | 27-May-00 | 29-Jun-00 | 9 | cool | brome |
| BS9 | B57 | 114 | 11 | 1 | 14 | 704641 | 5024647 | 1320 | 02 | 3 | 1 | 32 | skunk | 21-May-00 | 28-Jun-00 | 15 | cool | |
| BS9 | B57 | 115 | 11 | 1 | 14 | 704096 | 5024289 | 1400 | 02 | 1 | - | 32 | | 17-May-00 | 18-Jun-00 | 19 | cool | brome/w. snowberry |
| BS9 | B57 | 116 | 11 | 1 | 14 | 705684 | 5024554 | 1320 | 02 | 3 | 1 | 32 | FGS | 25-May-00 | 29-Jun-00 | 9 | cool | |
| BS9 | B57 | 117 | 11 | 1 | 14 | 704788 | 5023424 | 1400 | 02 | 3 | 1 | 32 | coyote | 16-May-00 | 19-Jun-00 | 20 | cool | brome |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|----|----|--------|---------|------|----|---|---|----|--------------------------|-----------|-----------|----|--------------|-------------------------------------|
| BS9 | B57 | 118 | 11 | 1 | 14 | 705221 | 5024476 | 1400 | 02 | 2 | 9 | 32 | | 25-May-00 | 27-Jun-00 | 11 | cool | forbs/goldenrod |
| BS9 | B57 | 119 | 11 | 1 | 14 | 704734 | 5023520 | 1400 | 02 | 1 | - | 32 | | 15-May-00 | 16-Jun-00 | 21 | cool | brome |
| BS9 | B57 | 120 | 11 | 1 | 14 | 704906 | 5024375 | 1400 | 02 | 2 | 9 | 32 | | 25-May-00 | 29-Jun-00 | 11 | cool | |
| BS9 | B57 | 121 | 11 | 1 | 14 | 704940 | 5023736 | 1400 | 02 | 3 | 1 | 32 | multiple--coyote & skunk | 26-May-00 | 27-Jun-00 | 10 | cool | brome |
| BS9 | B57 | 122 | 11 | 10 | 14 | 704471 | 5024225 | 1320 | 09 | 3 | 1 | 32 | fox | 27-May-00 | 01-Jul-00 | 9 | wetland veg. | |
| BS9 | B57 | 123 | 11 | 1 | 14 | 704666 | 5023685 | 1320 | 02 | 2 | 6 | 32 | | 02-Jun-00 | 05-Jul-00 | 3 | cool | kentucky blue |
| BS9 | B57 | 124 | 11 | 1 | 14 | 704411 | 5024237 | 1400 | 02 | 1 | - | 32 | | 18-May-00 | 19-Jun-00 | 18 | cool | kentucky blue |
| BS9 | B57 | 126 | 11 | 1 | 14 | 704309 | 5024216 | 1320 | 02 | 3 | 1 | 32 | raccoon | 31-May-00 | 04-Jul-00 | 5 | cool | brome/kentucky blue/forbs/w. snowbe |
| BS9 | B57 | 128 | 11 | 1 | 14 | 704357 | 5024226 | 1320 | 02 | 3 | 1 | 32 | badger | 02-Jun-00 | 02-Jul-00 | 3 | cool | |
| BS9 | B57 | 130 | 11 | 1 | 14 | 704528 | 5024228 | 1400 | 02 | 3 | 1 | 32 | skunk | 25-May-00 | 29-Jun-00 | 11 | cool | brome/kentucky blue |
| BS9 | B57 | 132 | 11 | 1 | 14 | 704671 | 5024237 | 1320 | 02 | 1 | - | 32 | | 02-May-00 | 05-Jun-00 | 34 | cool | |
| BS9 | B57 | 134 | 11 | 1 | 14 | 704267 | 5024411 | 1320 | 02 | 1 | - | 32 | | 30-May-00 | 29-Jun-00 | 6 | cool | |
| BS9 | B57 | 136 | 11 | 1 | 14 | 704185 | 5024523 | 1350 | 02 | 3 | 1 | 32 | skunk | 29-May-00 | 01-Jul-00 | 7 | cool | forbs |
| BS9 | B57 | 138 | 11 | 1 | 14 | 704548 | 5024123 | 1400 | 02 | 3 | 1 | 32 | skunk | 27-May-00 | 29-Jun-00 | 9 | cool | |
| BS9 | B57 | 140 | 11 | 1 | 14 | 704987 | 5023942 | 1320 | 02 | 3 | 1 | 32 | skunk | 25-May-00 | 25-Jun-00 | 11 | cool | |
| BS9 | B57 | 142 | 11 | 1 | 14 | 705050 | 5024043 | 1400 | 02 | 1 | - | 32 | | 25-May-00 | 27-Jun-00 | 11 | cool | |
| BS9 | B57 | 144 | 11 | 1 | 14 | 704747 | 5024008 | 1320 | 09 | 3 | 1 | 32 | fox | 28-May-00 | 30-Jun-00 | 8 | wetland veg. | |
| BS9 | B57 | 146 | 11 | 1 | 14 | 705369 | 5024125 | 1400 | 02 | 1 | - | 32 | | 01-May-00 | 11-Jun-00 | 29 | cool | |
| BS9 | MN1 | 001 | 11 | 1 | 14 | 703893 | 5024671 | 1320 | 09 | 1 | - | 51 | | 23-Apr-00 | 28-May-00 | 15 | wetland veg. | |
| BS9 | MN1 | 002 | 11 | 1 | 14 | 702939 | 5024941 | 1320 | 02 | 3 | 1 | 51 | unknown | 28-Apr-00 | 02-Jun-00 | 10 | cool | brome |
| BS9 | MN1 | 101 | 11 | 1 | 14 | 703365 | 5024463 | 1400 | 02 | 1 | - | 51 | | 12-May-00 | 15-Jun-00 | 33 | cool | brome/forbs |
| BS9 | MN1 | 103 | 11 | 1 | 14 | 703202 | 5024555 | 1320 | 02 | 3 | 1 | 51 | unsure--mink/crow | 19-May-00 | 20-Jun-00 | 26 | cool | brome/forbs |
| BS9 | MN1 | 105 | 11 | 1 | 14 | 703062 | 5024283 | 1350 | 02 | 1 | - | 51 | | 24-May-00 | 24-Jun-00 | 21 | cool | brome |
| BS9 | MN1 | 107 | 11 | 1 | 14 | 703031 | 5024833 | 1400 | 02 | 1 | - | 51 | | 05-Jun-00 | 08-Jul-00 | 9 | cool | brome/kentucky blue |
| BS9 | MN1 | 109 | 11 | 1 | 14 | 703031 | 5024833 | 1320 | 02 | 3 | 1 | 51 | skunk | 26-May-00 | 30-Jun-00 | 19 | cool | brome |
| BS9 | MN1 | 111 | 11 | 1 | 14 | 700880 | 5025004 | 1400 | 02 | 3 | 1 | 51 | unknown | 18-May-00 | 21-Jun-00 | 27 | switch | |
| BS9 | MN1 | 113 | 11 | 1 | 14 | 703018 | 5024964 | 1320 | 02 | 3 | 1 | 51 | skunk | 06-Jun-00 | 09-Jul-00 | 8 | cool | brome |
| BS9 | MN1 | 115 | 11 | 1 | 14 | 703441 | 5025037 | 1400 | 02 | 3 | 6 | 51 | | 18-May-00 | 24-Jun-00 | 27 | cool | brome/kentucky blue/forbs |
| BS9 | MN5 | 002 | 11 | 1 | 14 | 704926 | 5023420 | 1320 | 02 | 3 | 1 | 51 | raccoon | 25-Apr-00 | 30-May-00 | 7 | cool | brome/kentucky blue |
| BS9 | MN5 | 003 | 11 | 1 | 14 | 705071 | 5023348 | 1320 | 02 | 1 | - | 51 | | 27-Apr-00 | 01-Jun-00 | 15 | cool | brome |
| BS9 | MN5 | 004 | 11 | 1 | 14 | 705230 | 5023270 | 1320 | 02 | 5 | - | 51 | | 30-Apr-00 | 02-Jun-00 | 2 | cool | brome |
| BS9 | MN5 | 010 | 11 | 1 | 14 | 704645 | 5023179 | 1320 | 02 | 3 | 1 | 51 | skunk | 17-Apr-00 | 22-May-00 | 15 | cool | brome |
| BS9 | MN5 | 051 | 11 | 1 | 14 | 705240 | 5023302 | 1320 | 02 | 3 | 1 | 51 | multiple--coyote & skunk | 30-Apr-00 | 02-Jun-00 | 11 | cool | brome |
| BS9 | MN5 | 052 | 11 | 1 | 14 | 705002 | 5023382 | 1320 | 02 | 3 | 1 | 51 | badger | 25-May-00 | 29-Jun-00 | 1 | cool | |
| BS9 | MN5 | 101 | 11 | 1 | 14 | 705700 | 5023104 | 1320 | 02 | 3 | 1 | 51 | skunk | 30-May-00 | 02-Jul-00 | 7 | cool | |
| BS9 | MN5 | 102 | 11 | 1 | 14 | 704926 | 5023439 | 1400 | 02 | 1 | - | 51 | | 17-May-00 | 19-Jun-00 | 20 | cool | brome |
| BS9 | MN5 | 103 | 11 | 1 | 14 | 705616 | 5023180 | 1350 | 02 | 1 | - | 51 | | 20-May-00 | 23-Jun-00 | 17 | cool | |
| BS9 | MN5 | 104 | 11 | 1 | 14 | 705108 | 5023615 | 1320 | 02 | 1 | - | 51 | | 16-May-00 | 18-Jun-00 | 21 | cool | brome |
| BS9 | MN5 | 105 | 11 | 1 | 14 | 705961 | 5023319 | 1400 | 02 | 1 | - | 51 | | 12-May-00 | 15-Jun-00 | 25 | cool | |
| BS9 | MN5 | 106 | 11 | 1 | 14 | 705108 | 5023615 | 1400 | 02 | 1 | 1 | 51 | | 16-May-00 | 19-Jun-00 | 21 | cool | brome |
| BS9 | MN5 | 107 | 11 | 1 | 14 | 705819 | 5023374 | 1400 | 02 | 3 | 1 | 51 | unknown | 30-May-00 | 02-Jul-00 | 7 | cool | |
| BS9 | MN5 | 108 | 11 | 1 | 14 | 705119 | 5023645 | 1400 | 02 | 1 | - | 51 | | 25-May-00 | 22-Jun-00 | 12 | cool | brome/lead plant |
| BS9 | MN5 | 109 | 11 | 1 | 14 | 705684 | 5023331 | 1320 | 02 | 3 | 1 | 51 | skunk | 04-May-00 | 07-Jun-00 | 33 | cool | |
| BS9 | MN5 | 110 | 11 | 1 | 14 | 705048 | 5023507 | 1320 | 02 | 3 | 1 | 51 | unsure--skunk/raccoon | 24-May-00 | 26-Jun-00 | 13 | cool/native | brome |
| BS9 | MN5 | 111 | 11 | 1 | 14 | 705650 | 5023305 | 1400 | 02 | 3 | 1 | 51 | unsure--skunk/raccoon | 15-May-00 | 16-Jun-00 | 22 | cool | |
| BS9 | MN5 | 112 | 11 | 1 | 14 | 705213 | 5023453 | 1320 | 02 | 3 | 1 | 51 | unsure--skunk/raccoon | 01-Jun-00 | 03-Jul-00 | 5 | cool/native | brome |
| BS9 | MN5 | 114 | 11 | 1 | 14 | 705116 | 5023353 | 1320 | 02 | 3 | 1 | 51 | badger | 27-May-00 | 30-Jun-00 | 10 | cool | brome |
| BS9 | MN5 | 116 | 11 | 1 | 14 | 705227 | 5023455 | 1400 | 02 | 1 | - | 51 | | 02-Jun-00 | 03-Jul-00 | 4 | cool/native | kentucky blue |
| BS9 | MN5 | 118 | 11 | 1 | 14 | 705227 | 5023455 | 1400 | 02 | 1 | - | 51 | | 08-May-00 | 11-Jun-00 | 29 | cool/native | brome/kentucky blue |
| BS9 | MN5 | 120 | 11 | 1 | 14 | 705400 | 5023526 | 1320 | 02 | 3 | 1 | 51 | unknown | 27-May-00 | 28-Jun-00 | 10 | cool/native | brome/w. snowberry |
| BS9 | MN5 | 122 | 11 | 1 | 14 | 705347 | 5023510 | 1400 | 02 | 1 | - | 51 | | 24-May-00 | 27-Jun-00 | 13 | cool/native | brome/w. snowberry |
| BS9 | MN5 | 124 | 11 | 1 | 14 | 705070 | 5023276 | 1350 | 02 | 1 | - | 51 | | 21-May-00 | 25-Jun-00 | 16 | cool/native | brome |
| BS9 | MN5 | 126 | 11 | 1 | 14 | 705413 | 5023424 | 1400 | 02 | 1 | - | 51 | | 28-May-00 | 30-Jun-00 | 9 | cool | kentucky blue |
| BS9 | MN5 | 128 | 11 | 1 | 14 | 705391 | 5023361 | 1400 | 02 | 1 | - | 51 | | 05-Jun-00 | 09-Jul-00 | 1 | cool | kentucky blue |
| BS9 | MN5 | 130 | 11 | 1 | 14 | 705420 | 5023398 | 1400 | 02 | 1 | - | 51 | | 17-May-00 | 29-Jun-00 | 20 | cool | brome |
| BS9 | MN5 | 132 | 11 | 1 | 14 | 705416 | 5023352 | 1400 | 02 | 3 | 1 | 51 | coyote | 31-May-00 | 03-Jul-00 | 6 | cool/native | kentucky blue/brome |
| BS9 | MN5 | 134 | 11 | 1 | 14 | 705309 | 5023150 | 1400 | 02 | 1 | - | 51 | | 26-May-00 | 30-Jun-00 | 11 | cool/native | brome/alfalfa |
| BS9 | MN5 | 136 | 11 | 1 | 14 | 705413 | 5023243 | 1400 | 02 | 1 | - | 51 | | 26-May-00 | 30-Jun-00 | 11 | cool | kentucky blue/alfalfa |
| BS9 | MN5 | 144 | 11 | 1 | 14 | 704779 | 5023122 | 1320 | 02 | 2 | 9 | 51 | | 02-Jun-00 | 05-Jul-00 | 4 | cool | brome/sweet clover/alfalfa |
| CF5 | 085 | 001 | 121 | 1 | 15 | 317716 | 5044548 | 1320 | 02 | 3 | 1 | 14 | fox | 23-Apr-00 | 28-May-00 | 23 | cool | alfalfa |
| CF5 | 085 | 003 | 121 | 1 | 15 | 317961 | 5044669 | 1320 | 02 | 3 | 1 | 14 | fox | 08-May-00 | 12-Jun-00 | 8 | cool | alfalfa |
| CF5 | 088 | 002 | 121 | 3 | 15 | 319544 | 5044333 | 1400 | 02 | 3 | 1 | 14 | skunk | 09-May-00 | 13-Jun-00 | 7 | cool | |

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|----|----|--------|---------|------|----|---|---|----|-------------------|-----------|-----------|-------|--------------|----------------------------------|--|
| | | | | | | | | | | | | | | | | | | | |
| CF7 | 108 | 002 | 121 | 1 | 15 | 316158 | 5043036 | 1400 | 02 | 3 | 1 | 14 | mink | 06-May-00 | 10-Jun-00 | 9 | cool | brome | |
| CL9 | SW4 | 001 | 151 | 10 | 15 | 311002 | 5022607 | 1400 | 09 | 3 | 1 | 32 | unknown | 04-May-00 | 08-Jun-00 | 5 | wetland veg. | | |
| CL9 | SW4 | 002 | 151 | 1 | 15 | 310525 | 5022134 | 1320 | 02 | 3 | 1 | 32 | badger | 12-Apr-00 | 17-May-00 | 31 | cool | kentucky blue | |
| CL9 | SW4 | 102 | 151 | 1 | 15 | 310966 | 5021951 | 1320 | 02 | 1 | - | 32 | | 02-Jun-00 | 05-Jul-00 | 13 | cool | brome/kentucky blue | |
| CL9 | SW4 | 161 | 151 | 1 | 15 | 310480 | 5021771 | 1320 | 02 | 1 | - | 32 | | 28-May-00 | 01-Jul-00 | 18 | cool | brome/kentucky blue | |
| CL9 | SW4 | 201 | 151 | 1 | 15 | 310822 | 5022902 | 1320 | 02 | 1 | - | 32 | | 28-May-00 | 01-Jul-00 | 18 | cool | kentucky blue | |
| CL9 | SW4 | 203 | 151 | 1 | 15 | 310932 | 5023113 | 1320 | 03 | 1 | - | 32 | | 02-Jun-00 | 05-Jul-00 | 13 | cool | forbs/kentucky blue/sweet clover | |
| CL9 | SW4 | 205 | 151 | 1 | 15 | 310719 | 5021764 | 1400 | 02 | 3 | 1 | 32 | badger | 09-Jun-00 | 12-Jul-00 | 6 | cool | brome/kentucky blue | |
| FAH | 602 | 002 | 151 | 2 | 15 | 305671 | 5030548 | 1360 | 03 | 1 | - | 32 | | 30-Apr-00 | 04-Jun-00 | 14 | alfalfa | alfalfa | |
| FAH | 602 | 004 | 151 | 2 | 15 | 305730 | 5030660 | 1320 | 03 | 2 | 8 | 32 | | 14-May-00 | 18-Jun-00 | 2 | cool | brome/alfalfa | |
| FAH | 602 | 102 | 151 | 2 | 15 | 305743 | 5030813 | 1320 | 03 | 3 | 1 | 32 | mink | 12-Jun-00 | 14-Jul-00 | 7 | cool | hay/forbs/brome | |
| FR2 | 703 | 002 | 149 | 2 | 15 | 278270 | 5058911 | 1400 | 03 | 3 | 1 | 32 | skunk | 16-May-00 | 20-Jun-00 | 9 | alfalfa | alfalfa | |
| GI2 | 134 | 002 | 121 | 1 | 15 | 319759 | 5039327 | 1320 | 02 | 1 | - | 14 | | 03-May-00 | 07-Jun-00 | 9 | cool | | |
| GI2 | 134 | 004 | 121 | 1 | 15 | 319008 | 5038948 | 1320 | 02 | 3 | 1 | 14 | unknown | 11-May-00 | 15-Jun-00 | 1 | cool | | |
| GI2 | 134 | 006 | 121 | 1 | 15 | 319857 | 5039112 | 1400 | 02 | 1 | - | 14 | | 05-May-00 | 10-Jun-00 | 11 | cool | brome | |
| GI2 | 134 | 101 | 121 | 1 | 15 | 319909 | 5039492 | 1400 | 02 | 3 | 1 | 14 | fox | 31-May-00 | 03-Jul-00 | 19 | cool | brome/kentucky blue | |
| GI2 | 134 | 102 | 121 | 1 | 15 | 319119 | 5038952 | 1400 | 02 | 1 | - | 14 | | 28-May-00 | 01-Jul-00 | 22 | cool | brome/kentucky blue/forbs | |
| GI2 | 134 | 103 | 121 | 1 | 15 | 319977 | 5039469 | 1400 | 02 | 3 | 1 | 14 | fox | 10-Jun-00 | 13-Jul-00 | 9 | cool | brome/kentucky blue | |
| GI2 | 138 | 002 | 121 | 1 | 15 | 320444 | 5040135 | 1400 | 02 | 3 | 1 | 32 | fox | 09-May-00 | 13-Jun-00 | 6 | native | | |
| GI2 | 138 | 004 | 121 | 10 | 15 | 320304 | 5040556 | 1400 | 02 | 3 | 1 | 32 | fox | 06-May-00 | 10-Jun-00 | 9 | warm | sedges | |
| GI2 | 138 | 006 | 121 | 1 | 15 | 320471 | 5040431 | 1320 | 02 | 3 | 1 | 32 | fox | 06-May-00 | 10-Jun-00 | 9 | native | | |
| GI2 | 138 | 008 | 121 | 1 | 15 | 320459 | 5040400 | 1400 | 02 | 3 | 1 | 32 | skunk | 07-May-00 | 11-Jun-00 | 8 | native | | |
| GI2 | 138 | 010 | 121 | 1 | 15 | 320516 | 5040218 | 1400 | 02 | 3 | 1 | 32 | skunk | 06-May-00 | 10-Jun-00 | 9 | cool | exotics | |
| GI2 | 138 | 101 | 121 | 1 | 15 | 320391 | 5040399 | 1400 | 02 | 3 | 1 | 32 | skunk | 04-Jun-00 | 07-Jul-00 | 15 | native | | |
| GI2 | 138 | 102 | 121 | 1 | 15 | 320417 | 5040221 | 1400 | 02 | 3 | 1 | 32 | skunk | 29-May-00 | 01-Jul-00 | 21 | cool/native | brome | |
| GI2 | 138 | 103 | 121 | 1 | 15 | 320277 | 5039730 | 1400 | 02 | 1 | - | 32 | | 07-Jun-00 | 08-Jul-00 | 12 | cool | brome/forbs | |
| GI2 | 138 | 104 | 121 | 1 | | | | 1400 | 02 | 3 | 1 | 32 | unknown | 03-Jun-00 | 05-Jul-00 | 16 | native | brome | |
| GI2 | 138 | 105 | 121 | 1 | 15 | 320277 | 5039730 | 1400 | 02 | 3 | 6 | 32 | | 03-Jun-00 | 07-Jul-00 | 16 | cool | brome/forbs | |
| GI2 | 138 | 107 | 121 | 1 | 15 | 320243 | 5039763 | 1400 | 02 | 1 | - | 32 | | 05-Jun-00 | 06-Jul-00 | 14 | cool | brome | |
| GI5 | 145 | 001 | 121 | 7 | 15 | 320350 | 5036198 | 1320 | 02 | 3 | 1 | 14 | unsure--mink/crow | 05-May-00 | 09-Jun-00 | 13 | cool | brome/goldenrod | |
| GI5 | 146 | 002 | 121 | 10 | 15 | 320338 | 5035955 | 1320 | 09 | 3 | 1 | 14 | crow | 03-May-00 | 08-Jun-00 | 12 | wetland veg. | | |
| GI5 | 147 | 001 | 121 | 1 | 15 | 319965 | 5035249 | 1320 | 02 | 3 | 1 | 14 | unknown | 06-May-00 | 10-Jun-00 | 9 | cool | | |
| GI5 | 147 | 003 | 121 | 1 | 15 | 319891 | 5035416 | 1320 | 02 | 3 | 1 | 14 | skunk | 09-May-00 | 13-Jun-00 | 6 | cool | | |
| H02 | 701 | 002 | 149 | 1 | 15 | 279874 | 5049614 | 1320 | 02 | 1 | - | 32 | | 21-Apr-00 | 25-May-00 | 34 | native | | |
| H02 | 701 | 004 | 149 | 1 | 15 | 279834 | 5049574 | 1400 | 02 | 1 | - | 32 | | 21-May-00 | 24-Jun-00 | 4 | native | | |
| H02 | 701 | 006 | 149 | 1 | 15 | 279874 | 5049614 | 1320 | 02 | 1 | - | 32 | | 20-Apr-00 | 25-May-00 | 35 | native | | |
| H02 | 701 | 008 | 149 | 1 | 15 | 279874 | 5049614 | 1320 | 02 | 1 | - | 32 | | 19-Apr-00 | 02-Jun-00 | 29 | native | | |
| H02 | 701 | 010 | 149 | 1 | 15 | 279874 | 5049614 | 1320 | 02 | 1 | - | 32 | | 20-Apr-00 | 25-May-00 | 27 | native | | |
| H02 | 701 | 012 | 149 | 1 | 15 | 279699 | 5049479 | 1320 | 02 | 1 | - | 32 | | 30-Apr-00 | 04-Jun-00 | 28 | native | | |
| H02 | 701 | 014 | 149 | 1 | 15 | 279851 | 5049665 | 1320 | 02 | 1 | - | 32 | | 12-May-00 | 16-Jun-00 | 16 | native | | |
| H02 | 701 | 016 | 149 | 1 | 15 | 279837 | 5049646 | 1320 | 02 | 1 | - | 32 | | 03-May-00 | 03-Jun-00 | 22 | native | | |
| H02 | 701 | 018 | 149 | 1 | 15 | 279837 | 5049646 | 1320 | 02 | 1 | - | 32 | | 22-Apr-00 | 27-May-00 | 33 | native | | |
| H02 | 701 | 020 | 149 | 1 | 15 | 279874 | 5049614 | 1320 | 02 | 1 | - | 32 | | 02-May-00 | 06-Jun-00 | 26 | native | | |
| H02 | 701 | 022 | 149 | 1 | 15 | 279874 | 5049614 | 1320 | 02 | 1 | - | 32 | | 28-Apr-00 | 02-Jun-00 | 30 | native | | |
| H02 | 701 | 024 | 149 | 1 | 15 | 279874 | 5049614 | 1400 | 02 | 1 | - | 32 | | 23-May-00 | 25-Jun-00 | 2 | native | | |
| H02 | 701 | 026 | 149 | 1 | 15 | 279874 | 5049614 | 1320 | 02 | 1 | - | 32 | | 04-May-00 | 08-Jun-00 | 24 | native | | |
| H02 | 701 | 028 | 149 | 1 | 15 | 279834 | 5049574 | 1400 | 02 | 1 | - | 32 | | 26-May-00 | 23-Jun-00 | 11 | native | | |
| H02 | 701 | 030 | 149 | 1 | 15 | 279806 | 5049597 | 1400 | 02 | 1 | - | 32 | | 31-May-00 | 04-Jul-00 | 9 | native | | |
| H02 | 701 | 034 | 149 | 1 | 15 | 279827 | 5049544 | 1320 | 02 | 1 | | 32 | | 19-Jun-00 | 24-Jul-00 | 4 | native | | |
| H02 | 701 | 036 | 149 | 1 | 15 | 279721 | 5049473 | 1320 | 02 | 1 | - | 32 | | 14-Jun-00 | 19-Jul-00 | 9 | native | | |
| H02 | 701 | 102 | 149 | 1 | 15 | 279868 | 5049613 | 1320 | 02 | 1 | - | 32 | | 26-May-00 | 28-Jun-00 | 31 | native | | |
| H02 | 701 | 104 | 149 | 1 | 15 | 279898 | 5049634 | 1320 | 02 | 1 | - | 32 | | 10-Jun-00 | 12-Jul-00 | 16 | native | | |
| H02 | 701 | 199 | 149 | 1 | 15 | 279840 | 5049605 | 1400 | 02 | 3 | 9 | 32 | ***** | ***** | ***** | ***** | | | |
| H02 | 702 | 001 | 149 | 1 | 15 | 277836 | 5051284 | 1400 | 02 | 1 | - | 32 | | 24-May-00 | 27-Jun-00 | 1 | cool | kentucky blue | |
| H02 | 702 | 003 | 149 | 1 | 15 | 277909 | 5051540 | 1400 | 02 | 3 | 1 | 32 | | 24-May-00 | 28-Jun-00 | 1 | cool | kentucky blue | |
| MON | 601 | 002 | 151 | 8 | 15 | 320105 | 5020641 | 1400 | 02 | 2 | - | 32 | | 05-May-00 | 09-Jun-00 | 5 | cool | | |
| OT7 | 267 | 005 | 11 | 1 | 14 | 706480 | 5023371 | 1320 | 02 | 1 | - | 14 | | 25-Apr-00 | 30-May-00 | 8 | wetland veg. | reed/canary grass | |
| OT7 | 267 | 101 | 11 | 1 | 14 | 706593 | 5023346 | 1320 | 02 | 1 | - | 14 | | 17-May-00 | 18-Jun-00 | 22 | cool/native | brome | |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|----|----|---------|---------|---------|------|----|---|---|----|---------------------------|-----------|-----------|----|--------------|---------------------------------------|
| OT7 | 267 | 102 | 11 | 1 | 14 | 706517 | 5023921 | 1400 | 02 | 1 | - | 14 | | 16-May-00 | 19-Jun-00 | 27 | cool | brome/alfalfa |
| OT7 | 267 | 103 | 11 | 1 | 14 | 706590 | 5023263 | 1400 | 02 | 3 | 1 | 14 | unsure--mink/crow | 03-Jun-00 | 05-Jul-00 | 5 | cool/native | brome |
| OT7 | 274 | 011 | 11 | 1 | 14 | 709016 | 5024543 | 1320 | 02 | 3 | 1 | 14 | raccoon | 26-Apr-00 | 31-May-00 | 8 | cool | brome |
| OT7 | 279 | 003 | 11 | 10 | 14 | 708308 | 5023106 | 1320 | 09 | 1 | - | 14 | | 26-Apr-00 | 31-May-00 | 7 | wetland veg. | reed/canary grass |
| OT7 | 279 | 005 | 11 | 1 | 14 | 708455 | 5023025 | 1320 | 09 | 1 | - | 14 | | 24-Apr-00 | 29-May-00 | 10 | wetland veg. | reed/canary grass |
| OT7 | 279 | 007 | 11 | 1 | 14 | 708521 | 5022858 | 1320 | 09 | 3 | 1 | 14 | fox | 26-Apr-00 | 31-May-00 | 8 | wetland veg. | reed/canary grass |
| OT7 | 279 | 101 | 11 | 1 | 14 | 708308 | 5023156 | 1320 | 02 | 2 | 9 | 14 | | 03-Jun-00 | 02-Jul-00 | 5 | cool | brome |
| OT7 | 279 | 103 | 11 | 1 | 14 | 708416 | 5022992 | 1400 | 02 | 1 | - | 14 | | 13-May-00 | 18-Jun-00 | 26 | cool | brome/reed canary grass |
| OT7 | 279 | 105 | 11 | 1 | 14 | 708321 | 5022991 | 1320 | 02 | 1 | - | 14 | | 22-May-00 | 24-Jun-00 | 17 | cool | brome/kentucky blue |
| OT7 | MN2 | 001 | 11 | 1 | 14 | 706152 | 5022956 | 1320 | 02 | 3 | 1 | 51 | badger | 25-Apr-00 | 30-May-00 | 7 | cool | kentucky blue/w. snowberry |
| OT7 | MN2 | 002 | 11 | 1 | 14 | 707108 | 5023791 | 1320 | 02 | 3 | 1 | 51 | skunk | 28-Apr-00 | 02-Jun-00 | 5 | cool | brome |
| OT7 | MN2 | 003 | 11 | 1 | 14 | 708058 | 5023156 | 1320 | 02 | 1 | - | 51 | | 22-Apr-00 | 28-May-00 | 11 | cool | brome/forbs |
| OT7 | MN2 | 004 | 11 | 1 | 14 | 707105 | 5023791 | 1320 | 02 | 1 | - | 51 | | 29-Apr-00 | 03-Jun-00 | 5 | cool | brome |
| OT7 | MN2 | 009 | 11 | 8 | 14 | 707404 | 5022425 | 1320 | 03 | 3 | 1 | 51 | toss out! | 03-May-00 | 07-Jun-00 | 1 | cool | brome |
| OT7 | MN2 | 011 | 11 | 1 | 14 | 706215 | 5022396 | 1320 | 02 | 2 | 9 | 51 | | 25-Apr-00 | 30-May-00 | 9 | cool | brome/sweet clover |
| OT7 | MN2 | 101 | 11 | 8 | unknown | unknown | unknown | 1320 | 02 | 1 | | 51 | | 14-May-00 | 16-Jun-00 | 24 | cool | |
| OT7 | MN2 | 102 | 11 | 1 | 14 | 707533 | 5022428 | 1400 | 02 | 3 | 1 | 51 | raccoon | 23-May-00 | 27-Jun-00 | 15 | cool | brome/kentucky blue/forbs |
| OT7 | MN2 | 103 | 11 | 7 | 14 | 707729 | 5023351 | 1400 | 02 | 3 | 1 | 51 | raccoon | 26-May-00 | 28-Jun-00 | 12 | cool | |
| OT7 | MN2 | 104 | 11 | 1 | 14 | 707821 | 5022560 | 1320 | 02 | 3 | 1 | 51 | unknown | 23-May-00 | 27-Jun-00 | 15 | cool | brome/kentucky blue |
| OT7 | MN2 | 105 | 11 | 7 | 14 | 707714 | 5023351 | 1350 | 02 | 3 | 1 | 51 | skunk | 27-May-00 | 30-Jun-00 | 11 | cool | |
| OT7 | MN2 | 106 | 11 | 1 | 14 | 707649 | 5022568 | 1320 | 02 | 3 | 1 | 51 | skunk | 30-May-00 | 04-Jul-00 | 8 | cool | kentucky blue/w. snowberry/forbs |
| OT7 | MN2 | 107 | 11 | 1 | 14 | 707381 | 5023245 | 1400 | 02 | 3 | 1 | 51 | fox | 26-May-00 | 27-Jun-00 | 12 | cool | |
| OT7 | MN2 | 108 | 11 | 1 | 14 | 707670 | 5022836 | 1400 | 02 | 1 | | 51 | | 19-May-00 | 21-Jun-00 | 19 | cool | kentucky blue/w. snowberry |
| OT7 | MN2 | 109 | 11 | 8 | 14 | 707080 | 5022416 | 1320 | 02 | 3 | 1 | 51 | skunk | 01-Jun-00 | 05-Jul-00 | 6 | cool | exotic |
| OT7 | MN2 | 110 | 11 | 1 | 14 | 707680 | 5022836 | 1400 | 02 | 1 | - | 51 | unsure--skunk/racoon | 25-May-00 | 29-Jun-00 | 13 | cool | kentucky blue/w. snowberry/white flow |
| OT7 | MN2 | 111 | 11 | 1 | 14 | 706599 | 5022478 | 1320 | 02 | 3 | 1 | 51 | | 28-May-00 | 30-Jun-00 | 10 | cool | |
| OT7 | MN2 | 112 | 11 | 1 | 14 | 707232 | 5022685 | 1400 | 02 | 1 | - | 51 | | 02-May-00 | 25-Jun-00 | 16 | cool | brome |
| OT7 | MN2 | 114 | 11 | 1 | 14 | 707099 | 5022435 | 1400 | 02 | 3 | 1 | 51 | unsure--skunk/raccon | 11-May-00 | 14-Jun-00 | 30 | cool | brome/forbs |
| OT7 | MN2 | 116 | 11 | 1 | 14 | 707053 | 5022902 | 1320 | 02 | 3 | 1 | 51 | skunk | 30-May-00 | 04-Jul-00 | 8 | cool | brome |
| OT7 | MN2 | 118 | 11 | 1 | 14 | 707024 | 5022524 | 1320 | 02 | 1 | - | 51 | | 05-Jun-00 | 01-Jul-00 | 2 | cool | forbs |
| OT7 | MN2 | 120 | 11 | 1 | 14 | 707129 | 5023080 | 1320 | 02 | 3 | 1 | 51 | unsure--mink/crow | 24-May-00 | 28-Jun-00 | 13 | cool | brome |
| OT7 | MN2 | 122 | 11 | 1 | 14 | 707121 | 5023115 | 1400 | 02 | 3 | 1 | 51 | unsure--skunk/raccon | 30-May-00 | 30-Jun-00 | 9 | cool | |
| OT7 | MN2 | 124 | 11 | 10 | 14 | 707395 | 5023984 | 1400 | 08 | 3 | 1 | 51 | skunk | 24-May-00 | 28-Jun-00 | 14 | wetland veg. | |
| OT7 | MN2 | 126 | 11 | 1 | 14 | 707407 | 5023963 | 1400 | 02 | 3 | 1 | 51 | skunk | 20-May-00 | 24-Jun-00 | 19 | cool | |
| OT7 | MN2 | 128 | 11 | 1 | 14 | 707467 | 5023976 | 1400 | 02 | 3 | 1 | 51 | coyote | 01-Jun-00 | 06-Jul-00 | 7 | cool | forbs/bluegrass |
| OT7 | MN2 | 130 | 11 | 1 | 14 | 707714 | 5023790 | 1400 | 02 | 1 | - | 51 | | 07-May-00 | 11-Jun-00 | 32 | cool | |
| OT7 | MN2 | 132 | 11 | 1 | 14 | 707573 | 5023737 | 1400 | 01 | | | 51 | unknown--no predator card | 15-May-00 | 18-Jun-00 | 25 | cool | forbs/grass |
| OT7 | MN2 | 134 | 11 | 1 | 14 | 707027 | 5023452 | 1400 | 02 | 3 | 1 | 51 | badger | 08-May-00 | 12-Jun-00 | 21 | cool | |
| OT7 | MN2 | 136 | 11 | 1 | 14 | 707231 | 5023376 | 1400 | 02 | 3 | 1 | 51 | raccoon | 01-Jun-00 | 06-Jul-00 | 7 | cool | |
| OT7 | MN2 | 140 | 11 | 1 | 14 | 707144 | 5023061 | 1400 | 02 | 3 | 1 | 51 | badger | 31-May-00 | 04-Jul-00 | 16 | cool | kentucky blue/forbs |
| OT7 | MN2 | 142 | 11 | 1 | unknown | unknown | unknown | 1400 | 02 | 3 | 1 | 51 | unsure--skunk/raccon | 08-Jun-00 | 13-Jul-00 | 14 | cool | |
| OT8 | 281 | 102 | 11 | 1 | 14 | 709725 | 5024342 | 1400 | 02 | 3 | 1 | 14 | skunk | 24-May-00 | 25-Jun-00 | 19 | cool/native | brome/forbs |
| OT8 | 281 | 104 | 11 | 1 | 14 | 709762 | 5024394 | 1400 | 02 | 1 | - | 14 | | 04-Jun-00 | 08-Jul-00 | 8 | cool/native | brome/forbs |
| OT8 | 281 | 106 | 11 | 1 | 14 | 709762 | 5024394 | 1400 | 02 | 3 | 1 | 14 | raccoon | 07-Jun-00 | 12-Jul-00 | 5 | cool/native | brome/forbs |
| OT8 | 281 | 108 | 11 | 1 | 14 | 709750 | 5024512 | 1350 | 02 | 3 | 1 | 14 | raccoon | 01-Jun-00 | 06-Jul-00 | 11 | cool/native | brome/forbs |
| OT8 | 281 | 110 | 11 | 1 | 14 | 709828 | 5024515 | 1320 | 02 | 1 | - | 14 | | 12-May-00 | 13-Jun-00 | 31 | cool/native | brome/forbs |
| OT8 | 281 | 112 | 11 | 1 | 14 | 709833 | 5024629 | 1350 | 02 | 3 | 1 | 14 | raccoon | 06-Jun-00 | 11-Jul-00 | 6 | cool/native | brome/forbs |
| OT8 | 281 | 114 | 11 | 1 | 14 | 712494 | 5025878 | 1320 | 02 | 1 | | 14 | | 10-May-00 | 11-Jun-00 | 33 | cool/native | brome/forbs |
| OT8 | 281 | 116 | 11 | 1 | 14 | 709902 | 5024371 | 1320 | 02 | 1 | - | 14 | | 14-May-00 | 16-Jun-00 | 29 | cool/native | brome/forbs |
| OT8 | 281 | 118 | 11 | 1 | 14 | 709902 | 5024371 | 1400 | 02 | 1 | - | 14 | | 08-May-00 | 11-Jun-00 | 35 | cool/native | brome/forbs |
| OT8 | 281 | 120 | 11 | 1 | 14 | 710033 | 5024126 | 1320 | 02 | 1 | - | 14 | | 15-May-00 | 17-Jun-00 | 28 | native | |
| OT8 | 281 | 122 | 11 | 1 | 14 | 710037 | 5025184 | 1350 | 02 | 3 | 1 | 14 | unsure--skunk/raccon | 31-May-00 | 06-Jul-00 | 12 | cool | brome |
| OT8 | 281 | 124 | 11 | 1 | 14 | 710126 | 5025032 | 1400 | 02 | 3 | 1 | 14 | unsure--skunk/raccon | 29-May-00 | 01-Jul-00 | 14 | cool | brome |
| OT8 | 281 | 126 | 11 | 1 | 14 | 710057 | 5025124 | 1400 | 02 | 1 | - | 14 | | 10-May-00 | 12-Jun-00 | 33 | cool | brome |
| OT8 | 281 | 128 | 11 | 1 | 14 | 710057 | 5025124 | 1320 | 02 | 1 | - | 14 | | 27-May-00 | 28-Jun-00 | 16 | cool | |
| OT8 | 281 | 130 | 11 | 1 | 14 | 710003 | 5025182 | 1400 | 02 | 1 | - | 14 | | 28-May-00 | 29-Jun-00 | 15 | cool | brome |
| OT8 | B02 | 001 | 11 | 1 | 14 | 712690 | 5023250 | 1320 | 02 | 3 | 1 | 32 | multiple--unknown | 30-Apr-00 | 04-Jun-00 | 5 | cool | brome |
| OT8 | B02 | 002 | 11 | 1 | 14 | 712829 | 5022798 | 1320 | 02 | 3 | 1 | 32 | unknown | 26-Apr-00 | 31-May-00 | 9 | cool | brome |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|----|----|--------|---------|------|----|---|---|----|----------------------------|-----------|-----------|----|--------------|----------------------------------|
| OT8 | B02 | 003 | 11 | 1 | 14 | 712582 | 5023341 | 1320 | 02 | 3 | 1 | 32 | badger | 29-Apr-00 | 03-Jun-00 | 6 | cool | brome |
| OT8 | B02 | 004 | 11 | 1 | 14 | 712791 | 5022896 | 1320 | 02 | 3 | 1 | 32 | badger | 30-Apr-00 | 04-Jun-00 | 5 | cool | brome |
| OT8 | B02 | 006 | 11 | 1 | 14 | 712791 | 5022896 | 1320 | 02 | 3 | 1 | 32 | skunk | 29-Apr-00 | 03-Jun-00 | 6 | cool | brome |
| OT8 | B02 | 008 | 11 | 1 | 14 | 712689 | 5022677 | 1320 | 02 | 2 | 9 | 32 | | 03-May-00 | 05-Jun-00 | 2 | cool/native | brome |
| OT8 | B02 | 110 | 11 | 1 | 14 | 712641 | 5023044 | 1320 | 02 | 1 | - | 32 | | 29-Apr-00 | 03-Jun-00 | 6 | cool | brome |
| OT8 | B02 | 012 | 11 | 1 | 14 | 712644 | 5022917 | 1320 | 02 | 3 | 1 | 32 | raccoon | 28-Apr-00 | 02-Jun-00 | 7 | cool | brome/kentucky blue/forbs |
| OT8 | B02 | 014 | 11 | 1 | 14 | 712545 | 5022779 | 1320 | 02 | 3 | 1 | 32 | coyote | 20-Apr-00 | 25-May-00 | 17 | native | |
| OT8 | B02 | 016 | 11 | 10 | 14 | 712388 | 5023257 | 1320 | 09 | 3 | 1 | 32 | raccoon | 30-Apr-00 | 04-Jun-00 | 5 | cool | brome |
| OT8 | B02 | 018 | 11 | 10 | 14 | 712300 | 5023112 | 1320 | 09 | 3 | 1 | 32 | multiple--coyote & raccoon | 25-Apr-00 | 30-May-00 | 11 | wetland veg. | cattails |
| OT8 | B02 | 101 | 11 | 1 | 14 | 712452 | 5023329 | 1320 | 02 | 3 | 1 | 32 | raccoon | 08-Jun-00 | 13-Jul-00 | 6 | cool | kentucky blue/forbs |
| OT8 | B02 | 102 | 11 | 1 | 14 | 712806 | 5022751 | 1400 | 02 | 1 | - | 32 | | 04-Jun-00 | 09-Jul-00 | 10 | cool | brome |
| OT8 | B02 | 103 | 11 | 10 | 14 | 712478 | 5023331 | 1350 | 03 | 3 | 1 | 32 | unsure--mink/crow | 04-Jun-00 | 09-Jul-00 | 10 | wetland veg. | thistle/cattail |
| OT8 | B02 | 104 | 11 | 1 | 14 | 712899 | 5022828 | 1400 | 02 | 3 | 1 | 32 | badger | 07-Jun-00 | 12-Jul-00 | 7 | cool | brome/kentucky blue |
| OT8 | B02 | 105 | 11 | 1 | 14 | 712375 | 5022649 | 1400 | 02 | 3 | 1 | 32 | raccoon | 11-May-00 | 15-Jun-00 | 23 | cool | brome |
| OT8 | B02 | 106 | 11 | 1 | 14 | 712895 | 5022884 | 1400 | 02 | 1 | - | 32 | | 10-Jun-00 | 15-Jul-00 | 4 | cool | brome |
| OT8 | B02 | 108 | 11 | 1 | 14 | 712797 | 5022859 | 1350 | 02 | 3 | 1 | 32 | unsure--skunk/raccoon | 19-May-00 | 21-Jun-00 | 26 | cool | brome/kentucky blue |
| OT8 | B02 | 110 | 11 | 1 | 14 | 712720 | 5022680 | 1320 | 02 | 3 | 1 | 32 | raccoon | 09-Jun-00 | 14-Jul-00 | 5 | cool | |
| OT8 | B02 | 112 | 11 | 1 | 14 | 712579 | 5022823 | 1400 | 02 | 3 | 1 | 32 | unknown | 18-May-00 | 20-Jun-00 | 27 | cool | brome/kentucky blue |
| OT8 | B02 | 114 | 11 | 1 | 14 | 712580 | 5022859 | 1400 | 02 | 1 | - | 32 | | 10-May-00 | 15-Jun-00 | 35 | cool | brome |
| OT8 | B02 | 116 | 11 | 1 | 14 | 712599 | 5022953 | 1320 | 02 | 3 | 1 | 32 | badger | 09-Jun-00 | 09-Jul-00 | 5 | cool | brome |
| OT8 | B02 | 118 | 11 | 1 | 14 | 712619 | 5023054 | 1320 | 02 | 1 | - | 32 | | 14-May-00 | 15-Jun-00 | 31 | cool | forbs |
| OT8 | B02 | 120 | 11 | 1 | 14 | 712614 | 5023048 | 1400 | 02 | 1 | - | 32 | | 10-Jun-00 | 15-Jul-00 | 4 | cool | |
| OT8 | B02 | 122 | 11 | 1 | 14 | 712582 | 5022866 | 1320 | 02 | 1 | - | 32 | | 18-May-00 | 18-Jun-00 | 27 | cool | brome |
| OT8 | B02 | 124 | 11 | 1 | 14 | 712580 | 5022793 | 1320 | 02 | 1 | - | 32 | | 09-Jun-00 | 14-Jul-00 | 5 | native | |
| OT8 | B02 | 126 | 11 | 1 | 14 | 712503 | 5023015 | 1320 | 02 | 3 | 1 | 32 | unknown | 13-Jun-00 | 18-Jul-00 | 1 | native | |
| OT8 | B02 | 128 | 11 | 1 | 14 | 712511 | 5023044 | 1350 | 03 | 3 | 1 | 32 | unknown | 05-Jun-00 | 10-Jun-00 | 9 | forbs | |
| OT8 | B02 | 130 | 11 | 1 | 14 | 712590 | 5023232 | 1400 | 02 | 2 | 8 | 32 | | 13-Jun-00 | 18-Jul-00 | 1 | cool | brome |
| OT8 | B02 | 132 | 11 | 1 | 14 | 712529 | 5023116 | 1460 | 02 | 3 | 1 | 32 | badger | 29-May-00 | 01-Jul-00 | 16 | forbs | |
| OT8 | B02 | 134 | 11 | 1 | 14 | 712475 | 5022772 | 1400 | 02 | 1 | - | 32 | | 19-May-00 | 21-Jun-00 | 26 | cool | |
| OT8 | B02 | 136 | 11 | 1 | 14 | 712395 | 5022480 | 1320 | 03 | 3 | 1 | 32 | unsure--skunk/raccoon | 07-Jun-00 | 12-Jul-00 | 7 | | leafy spurge |
| OT8 | B02 | 138 | 11 | 1 | 14 | 712485 | 5023204 | 1350 | 03 | 3 | 1 | 32 | badger | 31-May-00 | 03-Jul-00 | 14 | | forbs |
| OT8 | B02 | 140 | 11 | 1 | 14 | 712343 | 5023192 | 1350 | 03 | 3 | 1 | 32 | multiple--mink&? | 05-Jun-00 | 10-Jul-00 | 9 | alfalfa | forbs |
| OT8 | B02 | 142 | 11 | 1 | 14 | 702277 | 5022659 | 1400 | 2 | 5 | | 32 | | 29-May-00 | 30-Jun-00 | 16 | cool | |
| OT8 | B02 | 144 | 11 | 1 | 14 | 712208 | 5022907 | 1400 | 02 | 2 | 6 | 32 | fox | 13-Jun-00 | 18-Jul-00 | 1 | cool | |
| OT8 | B02 | 146 | 11 | 1 | 14 | 712186 | 5022613 | 1400 | 02 | 1 | - | 32 | | 11-May-00 | 14-Jun-00 | 35 | cool | brome |
| OT8 | B02 | 148 | 11 | 1 | 14 | 712102 | 5022736 | 1400 | 02 | 1 | | 32 | | 14-May-00 | 15-Jun-00 | 31 | cool | |
| OT8 | B02 | 198 | 11 | 1 | 14 | 712508 | 5022813 | 1400 | 02 | 1 | | 32 | | 24-Jun-00 | 17-Jul-00 | 6 | cool | |
| OT8 | B02 | 199 | 11 | 1 | 15 | 320414 | 5040400 | 1320 | 02 | 3 | 1 | 32 | fox | 15-Jun-00 | 13-Jul-00 | 14 | cool | brome |
| OT8 | B02 | 201 | 11 | 1 | 14 | 712508 | 5022813 | 1320 | 02 | 3 | 1 | 32 | raccoon | 19-Jun-00 | 24-Jul-00 | 4 | native | |
| OT8 | B12 | 005 | 11 | 1 | 14 | 712705 | 5025147 | 1320 | 02 | 1 | - | 32 | | 29-Apr-00 | 03-Jun-00 | 6 | cool | brome |
| OT8 | B12 | 007 | 11 | 1 | 14 | 712838 | 5025469 | 1320 | 02 | 1 | - | 32 | | 01-Apr-00 | 06-May-00 | 34 | cool/native | brome |
| OT8 | B12 | 009 | 11 | 1 | 14 | 712621 | 5025545 | 1320 | 02 | 1 | - | 32 | | 12-Apr-00 | 17-Apr-00 | 23 | cool/native | brome |
| OT8 | B12 | 011 | 11 | 1 | 14 | 712706 | 5025652 | 1320 | 02 | 1 | - | 32 | | 10-Apr-00 | 15-May-00 | 25 | cool/native | brome |
| OT8 | B12 | 013 | 11 | 1 | 14 | 712805 | 5025673 | 1320 | 02 | 3 | 1 | 32 | unsure--mink/weasel | 20-Apr-00 | 17-May-00 | 27 | cool | brome |
| OT8 | B12 | 020 | 11 | 1 | 14 | 712793 | 5025422 | 1400 | 02 | 3 | 1 | 32 | skunk | 12-May-00 | 16-Jun-00 | 7 | cool/native | brome |
| OT8 | B12 | 021 | 11 | 1 | 14 | 712598 | 5025510 | 1320 | 02 | 3 | 1 | 32 | skunk | 09-May-00 | 13-Jun-00 | 10 | cool/native | brome |
| OT8 | B12 | 22 | 11 | 1 | 14 | 712851 | 5025614 | 1320 | 02 | 1 | - | 32 | | 27-May-00 | 01-Jul-00 | 22 | cool/native | brome |
| OT8 | B12 | 023 | 11 | 1 | 14 | 712852 | 5025561 | 1320 | 02 | 3 | 1 | 32 | skunk | 09-May-00 | 12-Jun-00 | 13 | cool/native | brome |
| OT8 | B12 | 031 | 11 | 1 | 14 | 712509 | 5025851 | 1320 | 02 | 3 | 1 | 32 | coyote | 24-Apr-00 | 30-May-00 | 11 | native | |
| OT8 | B12 | 101 | 11 | 1 | 14 | 712534 | 5025597 | 1400 | 2 | 3 | 1 | 32 | unknown | 04-Jun-00 | 27-Jun-00 | 8 | cool | brom |
| OT8 | B12 | 103 | 11 | 1 | 14 | 712438 | 5025732 | 1400 | 02 | 1 | - | 32 | | 18-May-00 | 20-Jun-00 | 25 | cool | brome |
| OT8 | B12 | 105 | 11 | 1 | 14 | 712474 | 5025804 | 1400 | 02 | 3 | 1 | 32 | raccoon | 03-Jun-00 | 08-Jun-00 | 9 | native | |
| OT8 | B12 | 107 | 11 | 1 | 14 | 712346 | 5025811 | 1400 | 02 | 3 | 1 | 32 | unknown | 11-May-00 | 15-Jun-00 | 32 | native | |
| OT8 | B12 | 109 | 11 | 1 | 14 | 712236 | 5025859 | 1400 | 02 | 1 | - | 32 | | 17-May-00 | 19-Jun-00 | 26 | cool/native | brome/kentucky blue |
| PE5 | S03 | 002 | 149 | 1 | 14 | 727118 | 5056199 | 1400 | 02 | 3 | 1 | 32 | fox | 25-May-00 | 29-Jun-00 | 6 | cool | brome |
| PE5 | S03 | 004 | 149 | 1 | 14 | 727121 | 5056046 | 1400 | 02 | 2 | 1 | 32 | unknown | 17-May-00 | 20-Jun-00 | 14 | cool | brome |
| PE5 | S03 | 006 | 149 | 1 | 14 | 727177 | 5055943 | 1400 | 02 | 3 | 1 | 32 | fox | 12-May-00 | 16-Jun-00 | 19 | cool | brome |
| PE5 | S03 | 008 | 149 | 1 | 14 | 727081 | 5056166 | 1320 | 02 | 3 | 1 | 32 | unknown | 25-May-00 | 29-Jun-00 | 6 | cool | brome/kentucky blue/w. snowberry |
| PE5 | S03 | 101 | 149 | 1 | 14 | 727076 | 5056232 | 1400 | 02 | 3 | 1 | 32 | fox | 06-Jun-00 | 11-Jul-00 | 21 | cool | brome |
| PE5 | S03 | 103 | 149 | 1 | 14 | 727056 | 5056261 | 1400 | 02 | 3 | 6 | 32 | | 24-Jun-00 | 30-Jul-00 | 3 | cool | brome |
| PE5 | S03 | 105 | 149 | 1 | 14 | 727475 | 5056498 | 1400 | 02 | 1 | - | 32 | | 11-Jun-00 | 13-Jul-00 | 16 | cool | brome |
| PE5 | S03 | 107 | 149 | 1 | 14 | 727726 | 5056609 | 1400 | 02 | 3 | 1 | 32 | unknown | 20-Jun-00 | 25-Jul-00 | 7 | cool | forbs |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|----|----|--------|---------|------|----|---|---|----|---------------------------|-----------|-----------|----|--------------|---------------------------|
| PE5 | S03 | 109 | 149 | 1 | 14 | 727599 | 5056649 | 1320 | 03 | 1 | - | 32 | | 13-Jun-00 | 17-Jul-00 | 14 | cool | brome/forbs |
| PE5 | S45 | 001 | 149 | 10 | 14 | 729500 | 5058117 | 1400 | 08 | 3 | 1 | 32 | badger | 20-May-00 | 24-Jun-00 | 10 | wetland veg. | |
| PE5 | S45 | 002 | 149 | 1 | 14 | 730130 | 5055334 | 1400 | 02 | 2 | 9 | 32 | | 10-May-00 | 15-Jun-00 | 20 | native | |
| PE5 | S45 | 003 | 149 | 10 | 14 | 729594 | 5058080 | 1400 | 08 | 3 | 1 | 32 | skunk | 27-May-00 | 01-Jul-00 | 3 | wetland veg. | cattails |
| PE5 | S45 | 004 | 149 | 1 | 14 | 730225 | 5055550 | 1400 | 02 | 3 | 1 | 32 | skunk | 13-May-00 | 17-Jun-00 | 17 | cool | brome |
| PE5 | S45 | 005 | 149 | 1 | 14 | 729765 | 5058091 | 1400 | 02 | 3 | 1 | 32 | unknown | 11-May-00 | 15-Jun-00 | 19 | cool | brome/forbs |
| PE5 | S45 | 006 | 149 | 1 | 14 | 730245 | 5055753 | 1400 | 02 | 1 | - | 32 | | 24-May-00 | 28-Jun-00 | 6 | native | |
| PE5 | S45 | 007 | 149 | 10 | 14 | 730127 | 5058097 | 1320 | 10 | 1 | - | 32 | | 23-May-00 | 24-Jun-00 | 8 | wetland veg. | cattails |
| PE5 | S45 | 008 | 149 | 1 | 14 | 730205 | 5055748 | 1400 | 02 | 3 | 1 | 32 | unsure--weasel/FGS | 21-May-00 | 25-Jun-00 | 9 | cool/switch | brome/kentucky blue |
| PE5 | S45 | 009 | 149 | 1 | 14 | 729981 | 5058010 | 1350 | 02 | 3 | 1 | 32 | fox | 20-May-00 | 25-Jun-00 | 10 | cool | brome/forbs |
| PE5 | S45 | 010 | 149 | 1 | 14 | 730037 | 5055641 | 1400 | 2 | 3 | 1 | 32 | unknown | 25-May-00 | 27-Jun-00 | 5 | native | |
| PE5 | S45 | 011 | 149 | 1 | 14 | 730022 | 5057894 | 1400 | 02 | 3 | 1 | 32 | skunk | 29-May-00 | 03-Jul-00 | 1 | cool | |
| PE5 | S45 | 012 | 149 | 1 | 14 | 730010 | 5055508 | 1400 | 02 | 3 | 1 | 32 | skunk | 15-May-00 | 19-Jun-00 | 15 | cool | brome/quack |
| PE5 | S45 | 013 | 149 | 1 | 14 | 730022 | 5057894 | 1400 | 01 | 3 | 1 | 32 | unsure--skunk/raccoon | 19-May-00 | 22-Jun-00 | 11 | cool | |
| PE5 | S45 | 014 | 149 | 1 | 14 | 729915 | 5056038 | 1400 | 02 | 3 | 1 | 32 | FGS | 26-May-00 | 30-Jun-00 | 4 | cool | brome/kentucky blue |
| PE5 | S45 | 015 | 149 | 10 | 14 | 729939 | 5057948 | 1400 | 08 | 3 | 1 | 32 | raccoon | 15-May-00 | 19-Jun-00 | 15 | wetland veg. | intermediate upland forbs |
| PE5 | S45 | 016 | 149 | 1 | 14 | 729874 | 5055972 | 1320 | 02 | 3 | 1 | 32 | badger | 22-May-00 | 26-Jun-00 | 8 | native | brome |
| PE5 | S45 | 017 | 149 | 10 | 14 | 729886 | 5057919 | 1400 | 10 | 3 | 1 | 32 | raccoon | 25-May-00 | 29-Jun-00 | 5 | wetland veg. | cattails |
| PE5 | S45 | 018 | 149 | 1 | 14 | 729780 | 5055770 | 1400 | 03 | 1 | - | 32 | | 20-May-00 | 22-Jun-00 | 10 | native | |
| PE5 | S45 | 019 | 149 | 1 | 14 | 729962 | 5058051 | 1320 | 02 | 3 | 1 | 32 | skunk | 25-May-00 | 29-Jun-00 | 5 | cool | brome |
| PE5 | S45 | 020 | 149 | 1 | 14 | 729472 | 5055594 | 1400 | 02 | 3 | 1 | 32 | badger | 23-May-00 | 27-Jun-00 | 7 | cool | brome/forbs |
| PE5 | S45 | 021 | 149 | 1 | 14 | 729707 | 5057850 | 1400 | 02 | 3 | 1 | 32 | fox | 07-May-00 | 11-Jun-00 | 23 | cool | |
| PE5 | S45 | 022 | 149 | 1 | 14 | 729660 | 5055526 | 1400 | 02 | 3 | 1 | 32 | badger | 22-May-00 | 26-Jun-00 | 8 | cool | brome |
| PE5 | S45 | 023 | 149 | 1 | 14 | 729650 | 5057078 | 1400 | 02 | 3 | 1 | 32 | unknown | 12-May-00 | 15-Jun-00 | 18 | native | |
| PE5 | S45 | 024 | 149 | 1 | 14 | 729641 | 5055622 | 1390 | 03 | 1 | - | 32 | | 26-May-00 | 26-Jun-00 | 4 | native | |
| PE5 | S45 | 025 | 149 | 1 | 14 | 729635 | 5057106 | 1400 | 02 | 3 | 1 | 32 | skunk | 18-May-00 | 25-Jun-00 | 12 | native | |
| PE5 | S45 | 026 | 149 | 1 | 14 | 729675 | 5055702 | 1400 | 02 | 1 | - | 32 | | 19-May-00 | 21-Jun-00 | 11 | cool | brome |
| PE5 | S45 | 027 | 149 | 1 | 15 | 729605 | 5057220 | 1400 | 03 | 3 | 1 | 32 | unknown | 15-May-00 | 19-Jun-00 | 20 | cool/native | |
| PE5 | S45 | 028 | 149 | 1 | 14 | 729685 | 5055564 | 1400 | 02 | 3 | 1 | 32 | raccoon | 23-May-00 | 27-Jun-00 | 7 | cool | brome |
| PE5 | S45 | 029 | 149 | 1 | 14 | 729433 | 5056830 | 1320 | 02 | 3 | 1 | 32 | skunk | 22-May-00 | 26-Jun-00 | 9 | native | |
| PE5 | S45 | 030 | 149 | 1 | 14 | 729888 | 5055727 | 1400 | 02 | 1 | - | 32 | | 12-May-00 | 15-Jun-00 | 18 | cool/native | brome |
| PE5 | S45 | 031 | 149 | 1 | 14 | 729618 | 5056890 | 1400 | 02 | 3 | 1 | 32 | unknown | 17-May-00 | 19-Jun-00 | 14 | native | |
| PE5 | S45 | 032 | 149 | 1 | 14 | 728834 | 5056884 | 1400 | 02 | 3 | 6 | 32 | | 29-May-00 | 03-Jul-00 | 1 | cool | |
| PE5 | S45 | 033 | 149 | 1 | 14 | 729491 | 5056944 | 1400 | 02 | 3 | 1 | 32 | unknown | 17-May-00 | 21-Jun-00 | 14 | native | |
| PE5 | S45 | 034 | 149 | 1 | 14 | 728696 | 5056924 | 1320 | 02 | 3 | 1 | 32 | unknown--no predator card | 20-May-00 | 24-Jun-00 | 10 | cool | brome |
| PE5 | S45 | 035 | 149 | 1 | 14 | 730082 | 5057000 | 1320 | 02 | 3 | 1 | 32 | fox | 10-May-00 | 19-Jun-00 | 21 | native | |
| PE5 | S45 | 036 | 149 | 1 | 14 | 728783 | 5057057 | 1320 | 02 | 3 | 1 | 32 | skunk | 23-May-00 | 26-Jun-00 | 7 | cool | brome |
| PE5 | S45 | 037 | 149 | 7 | 14 | 730142 | 5056877 | 1400 | 02 | 1 | - | 32 | | 09-May-00 | 12-Jun-00 | 22 | wetland veg. | reed canary |
| PE5 | S45 | 038 | 149 | 1 | 14 | 728730 | 5057254 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/coyote | 24-May-00 | 24-Jun-00 | 6 | cool | brome/kentucky blue |
| PE5 | S45 | 039 | 149 | 1 | 14 | 729716 | 5056799 | 1400 | 02 | 1 | - | 32 | | 08-May-00 | 12-Jun-00 | 23 | cool | |
| PE5 | S45 | 040 | 149 | 1 | 14 | 728758 | 5057190 | 1400 | 02 | 3 | 1 | 32 | skunk | 22-May-00 | 26-Jun-00 | 8 | cool | kentucky blue |
| PE5 | S45 | 041 | 149 | 1 | 14 | 729712 | 5056515 | 1400 | 02 | 3 | 1 | 32 | unknown | 20-May-00 | 24-Jun-00 | 11 | cool | |
| PE5 | S45 | 042 | 149 | 1 | 14 | 728694 | 5057619 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/crow | 21-May-00 | 25-Jun-00 | 9 | cool/native | |
| PE5 | S45 | 043 | 149 | 7 | 14 | 729420 | 5056198 | 1400 | 02 | 1 | - | 32 | | 05-May-00 | 09-Jun-00 | 26 | cool | |
| PE5 | S45 | 044 | 149 | 1 | 14 | 729313 | 5057434 | 1400 | 02 | 3 | 1 | 32 | fox | 24-May-00 | 28-Jun-00 | 6 | cool | brome |
| PE5 | S45 | 045 | 149 | 1 | 14 | 729412 | 5056442 | 1400 | 02 | 3 | 1 | 32 | raccoon | 24-May-00 | 28-Jun-00 | 6 | native | |
| PE5 | S45 | 046 | 149 | 1 | 14 | 729175 | 5057070 | 1400 | 02 | 3 | 1 | 32 | badger | 11-May-00 | 15-Jun-00 | 19 | cool/native | kentucky blue |
| PE5 | S45 | 047 | 149 | 1 | 14 | 729405 | 5056583 | 1400 | 02 | 3 | 1 | 32 | raccoon | 20-May-00 | 24-Jun-00 | 11 | cool/native | forbs |
| PE5 | S45 | 048 | 149 | 1 | 14 | 728448 | 5056902 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/weasel | 15-May-00 | 19-Jun-00 | 15 | cool | brome |
| PE5 | S45 | 049 | 149 | 1 | 14 | 729927 | 5056894 | 1400 | 02 | 1 | - | 32 | | 15-May-00 | 16-Jun-00 | 16 | native | |
| PE5 | S45 | 050 | 149 | 1 | 14 | 728445 | 5056918 | 1400 | 02 | 3 | 1 | 32 | unknown | 26-May-00 | 30-Jun-00 | 5 | cool | brome |
| PE5 | S45 | 051 | 149 | 1 | 14 | 729848 | 5056818 | 1400 | 02 | 1 | - | 32 | | 19-May-00 | 19-Jun-00 | 11 | cool | |
| PE5 | S45 | 052 | 149 | 1 | 14 | 728531 | 5057451 | 1320 | 02 | 3 | 1 | 32 | unknown | 29-May-00 | 03-Jul-00 | 2 | cool | brome |
| PE5 | S45 | 053 | 149 | 1 | 14 | 729879 | 5056715 | 1400 | 2 | 3 | 1 | 32 | skunk | 19-May-00 | 20-Jun-00 | 9 | cool | |
| PE5 | S45 | 054 | 149 | 1 | 14 | 728538 | 5057609 | 1320 | 02 | 3 | 1 | 32 | badger | 21-May-00 | 24-Jun-00 | 10 | cool | brome |
| PE5 | S45 | 055 | 149 | 1 | 14 | 729909 | 5056268 | 1400 | 02 | 3 | 1 | 32 | skunk | 30-May-00 | 04-Jul-00 | 1 | native | |
| PE5 | S45 | 056 | 149 | 1 | 14 | 728452 | 5057386 | 1320 | 02 | 3 | 1 | 32 | skunk | 23-May-00 | 27-Jun-00 | 8 | native | |
| PE5 | S45 | 057 | 149 | 1 | 14 | 729870 | 5056232 | 1400 | 02 | 3 | 1 | 32 | skunk | 24-May-00 | 28-Jun-00 | 7 | native | |
| PE5 | S45 | 058 | 149 | 1 | 14 | 728466 | 5057319 | 1320 | 02 | 3 | 1 | 32 | badger | 23-May-00 | 27-Jun-00 | 8 | native | |
| PE5 | S45 | 059 | 149 | 1 | 14 | 729784 | 5056258 | 1400 | 02 | 3 | 1 | 32 | unknown | 21-May-00 | 25-Jun-00 | 10 | cool | |
| PE5 | S45 | 060 | 149 | 1 | 14 | 728428 | 5057601 | 1320 | 02 | 2 | 9 | 32 | | 23-May-00 | 16-Jun-00 | 9 | cool | brome |
| PE5 | S45 | 061 | 149 | 1 | 14 | 729682 | 5056203 | 1320 | 02 | 1 | - | 32 | | 12-May-00 | 14-Jun-00 | 19 | native | |
| PE5 | S45 | 062 | 149 | 1 | 15 | 728381 | 5057207 | 1400 | 02 | 3 | 1 | 32 | | 13-May-00 | 13-Jun-00 | 18 | native | kentucky blue |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|----|----|--------|---------|------|----|---|---|----|---------------------------|-----------|-----------|----|--------------------|---------------------|
| PE5 | S45 | 063 | 149 | 1 | 14 | 729685 | 5056175 | 1400 | 02 | 3 | 1 | 32 | fox | 21-May-00 | 25-Jun-00 | 10 | cool | |
| PE5 | S45 | 064 | 149 | 1 | 14 | 728294 | 5056987 | 1320 | 02 | 3 | 1 | 32 | unknown--no predator card | 22-May-00 | 26-Jun-00 | 9 | cool | brome |
| PE5 | S45 | 065 | 149 | 8 | 14 | 728707 | 5056821 | 1400 | 02 | 3 | 1 | 32 | badger | 12-May-00 | 16-Jun-00 | 19 | native | |
| PE5 | S45 | 066 | 149 | 1 | 14 | 728675 | 5057204 | 1400 | 02 | 2 | 9 | 32 | | 27-May-00 | 28-Jun-00 | 4 | cool | brome |
| PE5 | S45 | 067 | 149 | 8 | 14 | 729024 | 5056832 | 1400 | 2 | 1 | | 32 | | 24-May-00 | 24-Jun-00 | 7 | cool | forbs |
| PE5 | S45 | 068 | 149 | 1 | 14 | 728114 | 5057543 | 1320 | 02 | 3 | 1 | 32 | skunk | 23-May-00 | 24-Jun-00 | 8 | cool | brome |
| PE5 | S45 | 069 | 149 | 1 | 14 | 729003 | 5056852 | 1320 | 02 | 3 | 1 | 32 | raccoon | 20-May-00 | 24-Jun-00 | 11 | cool | forbs |
| PE5 | S45 | 070 | 149 | 1 | 14 | 728415 | 5057490 | 1400 | 2 | 3 | 1 | 32 | coyote | 01-Jun-00 | 7/2/00 | 8 | cool | forbs |
| PE5 | S45 | 071 | 149 | 1 | 14 | 729692 | 5057024 | 1400 | 2 | 3 | 1 | 32 | skunk | 27-May-00 | 01-Jul-00 | 13 | cool/native | forbs |
| PE5 | S45 | 095 | 149 | 1 | 14 | 730037 | 5055641 | 1400 | 02 | 3 | 1 | 32 | skunk | 05-Jun-00 | 10-Jul-00 | 1 | cool/switch | brome |
| PE5 | S45 | 097 | 149 | 1 | 14 | 729799 | 5058068 | 1400 | 02 | 2 | 6 | 32 | | 09-Jun-00 | 14-Jul-00 | 6 | native | |
| PE5 | S45 | 099 | 149 | 1 | 14 | 728708 | 5057227 | 1350 | 02 | 3 | 1 | 32 | fox | 27-May-00 | 01-Jul-00 | 13 | native | |
| PE5 | S45 | 101 | 149 | 1 | 14 | 729714 | 5058440 | 1400 | 02 | 3 | 1 | 32 | unknown | 01-Jun-00 | 05-Jul-00 | 26 | native | |
| PE5 | S45 | 102 | 149 | 1 | 14 | 730175 | 5055833 | 1420 | 02 | 1 | - | 32 | | 19-Jun-00 | 24-Jul-00 | 8 | native | |
| PE5 | S45 | 103 | 149 | 7 | 14 | 730006 | 5058337 | 1320 | 08 | 1 | - | 32 | | 23-May-00 | 27-Jun-00 | 35 | | scouring rush |
| PE5 | S45 | 104 | 149 | 1 | 14 | 730085 | 5055983 | 1400 | 02 | 3 | 1 | 32 | skunk | 22-Jun-00 | 27-Jul-00 | 5 | native | |
| PE5 | S45 | 105 | 149 | 1 | 14 | 729631 | 5058377 | 1400 | 2 | 1 | | 32 | | 20-Jun-00 | 13-Jul-00 | 7 | native | |
| PE5 | S45 | 106 | 149 | 1 | 14 | 730176 | 5055550 | 1400 | 2 | 1 | | 32 | | 22-Jun-00 | 15-Jul-00 | 5 | native | |
| PE5 | S45 | 107 | 149 | 7 | 14 | 730007 | 5058088 | 1400 | 3 | 1 | | 32 | | 16-Jun-00 | 09-Jul-00 | 11 | native | |
| PE5 | S45 | 108 | 149 | 1 | 14 | 730101 | 5055586 | 1400 | 02 | 3 | 1 | 32 | unknown | 06-Jun-00 | 08-Jul-00 | 21 | native | |
| PE5 | S45 | 110 | 149 | 1 | 14 | 729916 | 5056645 | 1350 | 2 | 1 | | 32 | | 19-Jun-00 | 13-Jul-00 | 8 | native | |
| PE5 | S45 | 112 | 149 | 1 | 14 | 729943 | 5056114 | 1400 | 02 | 3 | 1 | 32 | fox | 11-Jun-00 | 16-Jul-00 | 16 | native | |
| PE5 | S45 | 114 | 149 | 1 | 14 | 729764 | 5055654 | 1350 | 03 | 3 | 1 | 32 | raccoon | 17-Jun-00 | 20-Jul-00 | 10 | native | forbs |
| PE5 | S45 | 116 | 149 | 1 | 14 | 729724 | 5055613 | 1400 | 03 | 1 | - | 32 | unknown | 01-Jun-00 | 07-Jul-00 | 26 | native | forbs |
| PE5 | S45 | 118 | 149 | 1 | 14 | 729631 | 5055649 | 1400 | 02 | 3 | 1 | 32 | | 20-Jun-00 | 25-Jul-00 | 7 | native | forbs |
| PE5 | S45 | 120 | 149 | 1 | 14 | 729515 | 5055579 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/crow | 15-Jun-00 | 17-Jul-00 | 12 | native | |
| PE5 | S45 | 122 | 149 | 1 | 14 | 729472 | 5055587 | 1320 | 02 | 1 | - | 32 | | 29-May-00 | 03-Jul-00 | 26 | native | brome |
| PE5 | S45 | 124 | 149 | 1 | 14 | 728334 | 5056873 | 1400 | 02 | 1 | - | 32 | | 07-Jun-00 | 07-Jul-00 | 20 | cool | brome |
| PE5 | S45 | 126 | 149 | 1 | 14 | 728313 | 5056828 | 1320 | 02 | 1 | - | 32 | | 09-Jun-00 | 13-Jul-00 | 18 | native | |
| PE5 | S45 | 128 | 149 | 1 | 14 | 728114 | 5157570 | 1400 | 02 | 3 | 1 | 32 | skunk | 19-Jun-00 | 24-Jul-00 | 8 | native | |
| PE5 | S45 | 152 | 149 | 1 | 14 | 728790 | 5057454 | 1400 | 02 | 3 | 1 | 32 | unknown | 22-Jun-00 | 27-Jul-00 | 6 | native | |
| PE5 | S45 | 154 | 149 | 1 | 14 | 728738 | 5057292 | 1400 | 2 | 1 | | 32 | | 20-Jun-00 | 11-Jul-00 | 8 | native | |
| PE5 | S45 | 156 | 149 | 1 | 14 | 728714 | 5057293 | 1400 | 02 | 1 | - | 32 | | 19-Jun-00 | 21-Jul-00 | 9 | native | |
| PE5 | S45 | 158 | 149 | 1 | 14 | 728818 | 5056884 | 1350 | 02 | 3 | 1 | 32 | fox | 18-Jun-00 | 23-Jul-00 | 10 | native | |
| PE5 | S45 | 201 | 149 | 1 | 14 | 729928 | 5056492 | 1400 | 02 | 3 | 1 | 32 | fox | 24-Jun-00 | 29-Jul-00 | 3 | cool | brome |
| PE5 | S45 | 203 | 149 | 1 | 14 | 729925 | 5056343 | 1400 | 01 | 3 | 1 | 32 | skunk | 14-Jun-00 | 17-Jul-00 | 13 | cool | brome |
| PE5 | S45 | 205 | 149 | 1 | 14 | 729878 | 5056324 | 1400 | 02 | 3 | 1 | 32 | raccoon | 19-Jun-00 | 24-Jul-00 | 8 | cool/native | brome |
| PE5 | S45 | 207 | 149 | 1 | 14 | 729766 | 5056309 | 1400 | 02 | 3 | 1 | 32 | unsure--skunk/raccoon | 13-Jun-00 | 17-Jul-00 | 14 | cool/native | brome |
| PE5 | S45 | 209 | 149 | 1 | 14 | 729490 | 5056476 | 1400 | 02 | 3 | 1 | 32 | fox | 08-Jun-00 | 12-Jul-00 | 19 | cool | brome |
| PE5 | S45 | 211 | 149 | 1 | 14 | 729488 | 5056639 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/crow | 16-Jun-00 | 17-Jul-00 | 11 | cool/switch/native | forbs/milkweed |
| PE5 | S45 | 213 | 149 | 1 | 14 | 729936 | 5056875 | 1320 | 02 | 1 | - | 32 | | 15-Jun-00 | 17-Jul-00 | 12 | native | |
| PE5 | S45 | 215 | 149 | 1 | 14 | 729912 | 5056939 | 1320 | 02 | 3 | 1 | 32 | unsure--mink/crow | 18-Jun-00 | 23-Jul-00 | 9 | native | |
| PE5 | S45 | 217 | 149 | 1 | 14 | 729466 | 5056965 | 1400 | 02 | 1 | - | 32 | | 08-Jun-00 | 12-Jul-00 | 19 | native/switch | |
| PE5 | S45 | 301 | 149 | 1 | 14 | 729584 | 8587597 | 1320 | 02 | 3 | 1 | 32 | unknown | 11-Jun-00 | 14-Jul-00 | 17 | native | |
| PE5 | S45 | 303 | 149 | 10 | 14 | 729584 | 5057595 | 1320 | 09 | 2 | 6 | 32 | | 21-Jun-00 | 26-Jul-00 | 7 | wetland veg. | cattails/forbs |
| PE5 | S45 | 305 | 149 | 1 | 14 | 728322 | 5057492 | 1320 | 02 | 3 | 1 | 32 | fox | 25-Jun-00 | 30-Jul-00 | 3 | native | |
| PE5 | S45 | 307 | 149 | 1 | 14 | 728387 | 5057576 | 1350 | 02 | 3 | 1 | 32 | unsure--mink/crow | 12-Jun-00 | 16-Jul-00 | 16 | native | |
| PE5 | S45 | 309 | 149 | 1 | 14 | 728517 | 5057063 | 1320 | 02 | 3 | 1 | 32 | skunk | 19-Jun-00 | 22-Jul-00 | 9 | native | |
| PE5 | S45 | 311 | 149 | 1 | 14 | 727834 | 5056816 | 1400 | 02 | 3 | 1 | 32 | unknown | 12-Jun-00 | 17-Jul-00 | 16 | cool | kentucky blue |
| RF1 | 603 | 002 | 121 | 1 | 15 | 306654 | 5032425 | 1320 | 02 | 1 | - | 32 | | 07-Apr-00 | 12-May-00 | 3 | switch | |
| RF1 | 603 | 004 | 121 | 1 | 15 | 306710 | 5032478 | 1320 | 02 | 3 | 1 | 32 | skunk | 16-Apr-00 | 21-May-00 | 28 | switch | |
| RF1 | P08 | 001 | 121 | 1 | 15 | 304649 | 5040224 | 1400 | 02 | 1 | - | 32 | | 11-May-00 | 18-Jun-00 | 11 | cool | kentucky blue |
| RF1 | P08 | 002 | 121 | 1 | 15 | 304742 | 5039522 | 1320 | 02 | 3 | 1 | 32 | skunk | 20-May-00 | 24-Jun-00 | 2 | cool | brome |
| RF1 | P08 | 003 | 121 | 1 | 15 | 304779 | 5040134 | 1400 | 02 | 3 | 1 | 32 | unknown | 12-May-00 | 15-Jun-00 | 15 | cool | brome |
| RF1 | P08 | 004 | 121 | 1 | 15 | 304814 | 5039587 | 1320 | 02 | 1 | - | 32 | | 21-Apr-00 | 26-May-00 | 31 | cool | brome |
| RF1 | P08 | 005 | 121 | 1 | 15 | 304793 | 5040144 | 1400 | 02 | 1 | - | 32 | | 12-May-00 | 15-Jun-00 | 16 | cool | brome |
| RF1 | P08 | 006 | 121 | 1 | 15 | 305663 | 5039579 | 1400 | 02 | 3 | 1 | 32 | badger | 18-May-00 | 22-Jun-00 | 4 | cool | brome |
| RF1 | P08 | 007 | 121 | 1 | 15 | 304973 | 5039992 | 1400 | 02 | 3 | 1 | 32 | unknown | 14-May-00 | 18-Jun-00 | 8 | cool/native | brome/kentucky blue |
| RF1 | P08 | 008 | 121 | 10 | 15 | 305521 | 5039577 | 1320 | 09 | 3 | 1 | 32 | fox | 25-Apr-00 | 30-May-00 | 27 | wetland veg. | |
| RF1 | P08 | 009 | 121 | 7 | 15 | 306002 | 5040197 | 1400 | 02 | 3 | 1 | 32 | skunk | 12-May-00 | 16-Jun-00 | 10 | cool | brome |
| RF1 | P08 | 010 | 121 | 1 | 15 | 305481 | 5039644 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/weasel | 16-May-00 | 20-Jun-00 | 6 | cool | brome |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|----|----|--------|---------|------|----|---|---|----|-----------------------|-----------|-----------|----|---------------|---------------------|
| RF1 | P08 | 012 | 121 | 1 | 15 | 305481 | 5039626 | 1320 | 02 | 3 | 1 | 32 | fox | 17-May-00 | 21-Jun-00 | 5 | cool | brome |
| RF1 | P08 | 014 | 121 | 1 | 15 | 305703 | 5039822 | 1400 | 02 | 1 | - | 32 | | 12-May-00 | 16-Jun-00 | 10 | cool | brome |
| RF1 | P08 | 016 | 121 | 1 | 15 | 305045 | 5039871 | 1400 | 02 | 1 | - | 32 | | 11-May-00 | 18-Jun-00 | 11 | cool | brome |
| RF1 | P08 | 018 | 121 | 1 | 15 | 305132 | 5039917 | 1320 | 02 | 1 | - | 32 | | 26-Apr-00 | 31-May-00 | 26 | cool | brome |
| RF1 | P08 | 020 | 121 | 1 | 15 | 305765 | 5040126 | 1400 | 02 | 1 | - | 32 | | 12-May-00 | 18-Jun-00 | 14 | cool/native | brome |
| RF1 | P08 | 022 | 121 | 1 | 15 | 305567 | 5040124 | 1400 | 02 | 1 | - | 32 | | 09-May-00 | 15-Jun-00 | 13 | cool | brome |
| RF1 | P08 | 101 | 121 | 1 | 15 | 305608 | 5039769 | 1320 | 03 | 3 | 1 | 32 | skunk | 17-Jun-00 | 22-Jul-00 | 3 | | forbs |
| RF1 | P08 | 102 | 121 | 1 | 15 | 305228 | 5039590 | 1320 | 02 | 3 | 1 | 32 | unsure--skunk/raccoon | 15-Jun-00 | 20-Jul-00 | 5 | cool | brome/forbs |
| RF1 | P08 | 103 | 121 | 1 | 15 | 305365 | 5040099 | 1400 | 02 | 1 | - | 32 | | 16-May-00 | 20-Jun-00 | 35 | cool | brome |
| RF1 | P08 | 104 | 121 | 1 | 15 | 305445 | 5039855 | 1400 | 02 | 3 | 1 | 32 | unknown | 10-Jun-00 | 11-Jul-00 | 10 | cool | brome |
| RF1 | P08 | 106 | 121 | 1 | 15 | 304719 | 5040253 | 1400 | 03 | 1 | - | 32 | | 23-May-00 | 26-Jun-00 | 28 | cool | brome/forbs |
| RF1 | P08 | 108 | 121 | 1 | 15 | 305612 | 5040177 | 1400 | 02 | 1 | - | 32 | | 18-May-00 | 20-Jun-00 | 33 | cool/native | brome |
| RF1 | P08 | 110 | 121 | 1 | 15 | 305690 | 5040115 | 1400 | 02 | 1 | - | 32 | | 12-Jun-00 | 17-Jul-00 | 8 | cool | brome |
| SC1 | 704 | 001 | 149 | 8 | 15 | 266319 | 5049849 | 1400 | 02 | 1 | - | 32 | | 16-May-00 | 15-Jun-00 | 14 | cool | brome |
| SC1 | 704 | 002 | 149 | 1 | 15 | 266004 | 5049894 | 1320 | 02 | 1 | - | 32 | | 28-Apr-00 | 02-Jun-00 | 27 | alfalfa | alfalfa |
| SC1 | 704 | 003 | 149 | 1 | 14 | 733075 | 5049753 | 1400 | 02 | 3 | 1 | 32 | badger | 22-May-00 | 26-Jun-00 | 3 | cool | brome |
| SC1 | 704 | 004 | 149 | 1 | 14 | 734009 | 5050316 | 1320 | 02 | 1 | - | 32 | | 14-May-00 | 16-Jun-00 | 11 | cool/native | brome |
| SC1 | 704 | 005 | 149 | 1 | 14 | 733001 | 5050146 | 1400 | 02 | 1 | - | 32 | | 14-May-00 | 16-Jun-00 | 11 | cool | brome |
| SC1 | 704 | 006 | 149 | 1 | 15 | 734021 | 5050333 | 1320 | 02 | 1 | - | 32 | | 07-May-00 | 10-Jun-00 | 18 | switch | |
| SC1 | 704 | 007 | 149 | 1 | 14 | 733068 | 5050440 | 1320 | 02 | 3 | 1 | 32 | skunk | 06-May-00 | 10-Jun-00 | 19 | cool | brome |
| SC1 | 704 | 008 | 149 | 1 | 14 | 734049 | 5050371 | 1320 | 02 | 1 | - | 32 | | 28-Apr-00 | 29-May-00 | 27 | switch | |
| SC1 | 704 | 009 | 149 | 1 | 14 | 733207 | 5050071 | 1320 | 02 | 3 | 1 | 32 | skunk | 16-May-00 | 20-Jun-00 | 9 | native | |
| SC1 | 704 | 010 | 149 | 1 | 14 | 733903 | 5050392 | 1400 | 01 | 1 | - | 32 | | 12-May-00 | 14-Jun-00 | 13 | switch | |
| SC1 | 704 | 011 | 149 | 10 | 14 | 733695 | 5050438 | 1320 | 10 | 3 | 1 | 32 | raccoon | 06-May-00 | 12-Jun-00 | 19 | wetland veg. | |
| SC1 | 704 | 012 | 149 | 1 | 15 | 265936 | 5050550 | 1320 | 02 | 1 | - | 32 | | 06-May-00 | 08-Jun-00 | 19 | native/switch | |
| SC1 | 704 | 013 | 149 | 1 | 14 | 733670 | 5050521 | 1400 | 02 | 5 | 5 | 32 | | 08-May-00 | 11-Jun-00 | 17 | switch | |
| SC1 | 704 | 014 | 149 | 1 | 14 | 733716 | 5050119 | 1320 | 02 | 1 | - | 32 | | 26-Apr-00 | 29-May-00 | 29 | native | |
| WA4 | P19 | 001 | 121 | 10 | 15 | 288044 | 5045102 | 1400 | 08 | 3 | 1 | 32 | unsure--skunk/raccoon | 13-May-00 | 16-Jun-00 | 10 | wetland veg. | hydrophytes |
| WA4 | P19 | 002 | 121 | 1 | 15 | 287676 | 5045011 | 1400 | 02 | 2 | 9 | 32 | | 19-May-00 | 23-Jun-00 | 4 | cool | brome |
| WA4 | P19 | 003 | 121 | 1 | 15 | 287865 | 5045215 | 1400 | 02 | 3 | 1 | 32 | skunk | 12-May-00 | 16-Jun-00 | 11 | cool | brome |
| WA4 | P19 | 004 | 121 | 1 | 15 | 287746 | 5045316 | 1320 | 02 | 3 | 1 | 32 | skunk | 15-May-00 | 19-Jun-00 | 8 | cool | |
| WA4 | P19 | 005 | 121 | 1 | 15 | 287850 | 5045365 | 1400 | 02 | 1 | - | 32 | | 17-May-00 | 6/18/2000 | 6 | native | brome |
| WA4 | P19 | 006 | 121 | 1 | 15 | 287768 | 5045532 | 1400 | 02 | 3 | 1 | 32 | raccoon | 12-May-00 | 16-Jun-00 | 11 | cool | |
| WA4 | P19 | 007 | 121 | 1 | 15 | 287082 | 5045135 | 1320 | 02 | 3 | 1 | 32 | raccoon | 07-May-00 | 09-Jun-00 | 16 | native | |
| WA4 | P19 | 008 | 121 | 1 | 15 | 287791 | 5045535 | 1400 | 02 | 3 | 6 | 32 | | 19-May-00 | 23-Jun-00 | 4 | cool/native | little blue |
| WA4 | P19 | 009 | 121 | 1 | 15 | 287221 | 5045358 | 1400 | 02 | 3 | 1 | 32 | skunk | 11-May-00 | 13-Jun-00 | 12 | cool | brome |
| WA4 | P19 | 010 | 121 | 1 | 15 | 287729 | 5045581 | 1400 | 02 | 3 | 1 | 32 | mink | 18-May-00 | 22-Jun-00 | 5 | cool | |
| WA4 | P19 | 011 | 121 | 10 | 15 | 287252 | 5046093 | 1320 | 09 | 3 | 1 | 32 | mink | 12-May-00 | 16-Jun-00 | 11 | wetland veg. | reeds |
| WA4 | P19 | 012 | 121 | 1 | 15 | 287827 | 5045523 | 1400 | 02 | 3 | 1 | 32 | skunk | 07-May-00 | 12-Jun-00 | 16 | cool | kentucky blue |
| WA4 | P19 | 013 | 121 | 10 | 15 | 287676 | 5046795 | 1320 | 08 | 3 | 1 | 32 | skunk | 06-May-00 | 10-Jun-00 | 17 | wetland veg. | |
| WA4 | P19 | 014 | 121 | 1 | 15 | 287874 | 5045163 | 1400 | 02 | 3 | 1 | 32 | multiple--unknown | 02-May-00 | 07-Jun-00 | 21 | cool | kentucky blue |
| WA4 | P19 | 015 | 121 | 1 | 15 | 287679 | 5046817 | 1320 | 02 | 3 | 1 | 32 | coyote | 27-Apr-00 | 31-May-00 | 27 | wetland veg. | reed canary grass |
| WA4 | P19 | 016 | 121 | 1 | 15 | 288022 | 5045097 | 1400 | 02 | 3 | 1 | 32 | unsure--skunk/? | 03-May-00 | 07-Jun-00 | 20 | cool | brome/kentucky blue |
| WA4 | P19 | 017 | 121 | 1 | 15 | 288036 | 5046294 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/crow | 17-May-00 | 20-Jun-00 | 7 | cool | brome |
| WA4 | P19 | 018 | 121 | 1 | 15 | 287896 | 5044835 | 1400 | 02 | 5 | - | 32 | | 12-May-00 | 17-Jun-00 | 11 | cool | brome |
| WA4 | P19 | 019 | 121 | 1 | 15 | 287769 | 5047127 | 1400 | 02 | 1 | - | 32 | | 18-May-00 | 19-Jun-00 | 6 | native | |
| WA4 | P19 | 020 | 121 | 1 | 15 | 287122 | 5065977 | 1400 | 02 | 3 | 1 | 32 | unknown | 13-May-00 | 17-Jun-00 | 10 | native | |
| WA4 | P19 | 022 | 121 | 1 | 15 | 287136 | 5046100 | 1400 | 02 | 1 | - | 32 | | 13-May-00 | 14-Jun-00 | 10 | cool | |
| WA4 | P19 | 024 | 121 | 1 | 15 | 287182 | 5046500 | 1400 | 02 | 1 | - | 32 | | 08-May-00 | 13-Jun-00 | 15 | native | |
| WA4 | P19 | 026 | 121 | 1 | 15 | 287268 | 5046263 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/crow | 07-May-00 | 11-Jun-00 | 19 | cool | |
| WA4 | P19 | 028 | 121 | 1 | 15 | 287609 | 5046691 | 1320 | 02 | 1 | - | 32 | unsure--mink/crow | 21-May-00 | 22-Jun-00 | 3 | switch | |
| WA4 | P19 | 030 | 121 | 1 | 15 | 287263 | 5046650 | 1320 | 02 | 3 | 1 | 32 | | 27-May-00 | 01-Jun-00 | 26 | switch | |
| WA4 | P19 | 032 | 121 | 1 | 15 | 287409 | 5047007 | 1320 | 02 | 1 | - | 32 | | 02-May-00 | 03-Jun-00 | 22 | cool | brome |
| WA4 | P19 | 034 | 121 | 1 | 15 | 287436 | 5047033 | 1400 | 02 | 1 | - | 32 | | 17-May-00 | 19-Jun-00 | 7 | cool | brome |
| WA4 | P19 | 036 | 121 | 1 | 15 | 287269 | 5047414 | 1320 | 02 | 3 | 1 | 32 | throw out! | 23-May-00 | 27-Jun-00 | 1 | cool | brome |
| WA4 | P19 | 038 | 121 | 1 | 15 | 287284 | 5047321 | 1320 | 02 | 1 | - | 32 | | 26-Apr-00 | 31-May-00 | 31 | native | |
| WA4 | P19 | 040 | 121 | 1 | 15 | 287145 | 5047337 | 1320 | 02 | 3 | 6 | 32 | | 26-Apr-00 | 31-May-00 | 29 | native | |
| WA4 | P19 | 042 | 121 | 1 | 15 | 287457 | 5047089 | 1400 | 02 | 3 | 1 | 32 | skunk | 13-May-00 | 18-Jun-00 | 11 | cool | brome |
| WA4 | P19 | 044 | 121 | 1 | 15 | 287094 | 5044901 | 1320 | 02 | 3 | 1 | 32 | badger | 14-May-00 | 17-Jun-00 | 14 | cool | brome |
| WA4 | P19 | 046 | 121 | 1 | 15 | 288690 | 5046744 | 1320 | 02 | 1 | - | 32 | | 20-Apr-00 | 25-May-00 | 35 | native | |
| WA4 | P19 | 048 | 121 | 1 | 15 | 287305 | 5046683 | 1320 | 02 | 3 | 1 | 32 | weasel | 14-May-00 | 16-Jun-00 | 18 | switch/native | |

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|-----|-----|-----|-----|---|----|--------|---------|------|----|---|---|----|-----------------------|-----------|-----------|----|-------------|---------------------|
| WA4 | P19 | 050 | 121 | 1 | 15 | 288044 | 5046396 | 1400 | 02 | 3 | 1 | 32 | unsure--mink/crow | 22-May-00 | 25-Jun-00 | 12 | cool | brome |
| WA4 | P19 | 051 | 121 | 1 | 15 | 287850 | 5045365 | 1400 | 02 | 2 | 9 | 32 | | 07-Jun-00 | 12-Jul-00 | 2 | native | brome |
| WA4 | P19 | 053 | 121 | 1 | 15 | 287823 | 5045365 | 1400 | 02 | 1 | - | 32 | | 09-Jun-00 | 14-Jul-00 | 7 | native | brome |
| WA4 | P19 | 055 | 121 | 8 | 15 | 287095 | 5046078 | 1320 | 02 | 3 | 1 | 32 | skunk | 03-Jun-00 | 06-Jul-00 | 13 | cool | brome |
| WA4 | P19 | 099 | 121 | 1 | 15 | 287874 | 5045163 | 1400 | 02 | 3 | 6 | 32 | | 08-May-00 | 11-Jun-00 | 28 | cool | brome/kentucky blue |
| WA4 | P19 | 102 | 121 | 1 | 15 | 287127 | 5045182 | 1400 | 02 | 1 | - | 32 | | 29-May-00 | 01-Jul-00 | 28 | cool | kentucky blue |
| WA4 | P19 | 104 | 121 | 1 | 15 | 287085 | 5045840 | 1350 | 02 | 3 | 1 | 32 | badger | 31-May-00 | 04-Jul-00 | 26 | cool | brome/timothy |
| WA4 | P19 | 106 | 121 | 1 | 15 | 287086 | 5046154 | 1400 | 02 | 1 | - | 32 | | 05-Jun-00 | 12-Jul-00 | 17 | cool | kentucky blue |
| WA4 | P19 | 108 | 121 | 1 | 15 | 287102 | 5046235 | 1400 | 02 | 1 | - | 32 | | 10-Jun-00 | 13-Jul-00 | 16 | switch | |
| WA4 | P19 | 110 | 121 | 1 | 15 | 287099 | 5046310 | 1320 | 02 | 1 | - | 32 | | 16-Jun-00 | 19-Jul-00 | 10 | native | |
| WA4 | P19 | 112 | 121 | 1 | 15 | 287221 | 5046690 | 1320 | 02 | 1 | - | 32 | | 17-Jun-00 | 22-Jul-00 | 9 | switch | |
| WA4 | P19 | 114 | 121 | 1 | 15 | 287208 | 5046161 | 1400 | 02 | 3 | 1 | 32 | skunk | 14-Jun-00 | 15-Jul-00 | 12 | cool | kentucky blue |
| WA4 | P19 | 116 | 121 | 1 | 15 | 287190 | 5045834 | 1400 | 02 | 3 | 1 | 32 | skunk | 29-May-00 | 01-Jul-00 | 28 | native | timothy |
| WA4 | P19 | 118 | 121 | 1 | 15 | 287313 | 5046962 | 1400 | 02 | 3 | 1 | 32 | skunk | 28-May-00 | 30-Jun-00 | 29 | cool | |
| WA4 | P19 | 120 | 121 | 1 | 15 | 287308 | 5046596 | 1400 | 03 | 1 | - | 32 | | 28-May-00 | 30-Jun-00 | 29 | | forbs/grass |
| WA4 | P19 | 122 | 121 | 1 | 15 | 287410 | 5047015 | 1320 | 02 | 1 | - | 32 | | 23-May-00 | 27-Jun-00 | 34 | cool | brome |
| WA4 | P19 | 124 | 121 | 1 | 15 | 287402 | 5146567 | 1400 | 02 | 1 | - | 32 | | 03-Jun-00 | 07-Jul-00 | 23 | cool | kentucky blue/forbs |
| WA4 | P19 | 161 | 121 | 1 | 15 | 287547 | 5045020 | 1400 | 03 | 1 | - | 32 | | 31-May-00 | 02-Jul-00 | 26 | | forbs |
| WA4 | P19 | 163 | 121 | 1 | 15 | 287841 | 5044871 | 1400 | 02 | 1 | - | 32 | | 12-Jun-00 | 16-Jul-00 | 14 | cool | brome/kentucky blue |
| WA4 | P19 | 165 | 121 | 1 | 15 | 287823 | 5045280 | 1320 | 03 | 3 | 1 | 32 | skunk | 01-Jun-00 | 04-Jul-00 | 25 | | forbs |
| WA4 | P19 | 167 | 121 | 1 | 15 | 287794 | 5045442 | 1400 | 02 | 1 | - | 32 | | 13-Jun-00 | 16-Jul-00 | 13 | cool | forbs |
| WA4 | P19 | 169 | 121 | 1 | 15 | 288108 | 5045756 | 1320 | 02 | 3 | 1 | 32 | badger | 12-Jun-00 | 16-Jul-00 | 14 | native | |
| WA4 | P19 | 171 | 121 | 1 | 15 | 287038 | 5044809 | 1350 | 02 | 1 | - | 32 | | 31-May-00 | 01-Jul-00 | 26 | cool | brome |
| WA4 | P19 | 175 | 121 | 1 | 15 | 287567 | 5046859 | 1320 | 02 | 3 | 1 | 32 | fox | 12-Jun-00 | 16-Jul-00 | 14 | cool | brome |
| WA4 | P19 | 177 | 121 | 1 | 15 | 287578 | 5046870 | 1320 | 02 | 3 | 1 | 32 | fox | 12-Jun-00 | 14-Jul-00 | 14 | cool | brome |
| WA4 | P19 | 179 | 121 | 1 | 15 | 287948 | 5046970 | 1320 | 02 | 1 | - | 32 | | 07-Jun-00 | 7/6/2000 | 19 | reed canary | |
| WA4 | P19 | 181 | 121 | 1 | 15 | 287937 | 5046623 | 1400 | 02 | 3 | 1 | 32 | skunk | 11-Jun-00 | 17-Jul-00 | 11 | cool | kentucky blue |
| WA4 | P19 | 183 | 121 | 1 | 15 | 288017 | 5046535 | 1400 | 02 | 1 | - | 32 | | 29-May-00 | 01-Jul-00 | 28 | cool | brome/kentucky blue |
| WA4 | P19 | 185 | 121 | 1 | 15 | 287958 | 5046548 | 1400 | 02 | 3 | 1 | 32 | skunk | 19-Jun-00 | 24-Jul-00 | 7 | cool | kentucky blue |
| WA4 | P19 | 187 | 121 | 1 | 15 | 288036 | 5046633 | 1320 | 02 | 1 | - | 32 | | 26-May-00 | 28-Jun-00 | 31 | cool | brome |
| WA4 | P19 | 189 | 121 | 1 | 15 | 288116 | 5045749 | 1320 | 02 | 1 | - | 32 | | 07-Jun-00 | 09-Jul-00 | 19 | cool | brome/forbs |
| WA4 | P19 | 191 | 121 | 1 | 15 | 288116 | 5048749 | 1400 | 02 | 1 | - | 32 | | 28-May-00 | 01-Jul-00 | 29 | cool | brome |
| WA4 | P19 | 193 | 121 | 1 | 15 | 287999 | 5045888 | 1400 | 02 | 3 | 1 | 32 | badger | 15-Jun-00 | 20-Jul-00 | 11 | cool | brome/forbs |
| WA4 | P19 | 195 | 121 | 1 | 15 | 288012 | 5046240 | 1400 | 02 | 3 | 1 | 32 | unsure--skunk/raccoon | 15-Jun-00 | 20-Jul-00 | 11 | cool | brome/forbs |
| WA4 | P19 | 197 | 121 | 1 | 15 | 287886 | 5047016 | 1320 | 02 | 1 | - | 32 | | 13-Jun-00 | 16-Jul-00 | 13 | cool/switch | brome |
| WA4 | P19 | 199 | 121 | 1 | 15 | 287912 | 5047369 | 1320 | 02 | 1 | - | 32 | | 06-Jun-00 | 06-Jul-00 | 20 | switch | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

APPENDIX B, TABLE 1. 2000 NESTING STUDY DEPREDATION

| Study Areas: | 18 | | | | | |
|--|--------------|--------------|--|--|--|--|
| Fields: | 36 | | | | | |
| Total Number of Nests: | 521 | | | | | |
| Total Depredated Nests | 278 | | | | | |
| Percentage of Nests Depredated: | 53.4% | | | | | |
| Predator Species: | | | Percentage Depredated by Species: | | | |
| Coyotes | 9 | | 3.2% | | | |
| Red Foxes | 31 | | 11.2% | | | |
| Raccoons | 34 | | 12.2% | | | |
| Striped Skunks | 72 | | 25.9% | | | |
| American Badgers | 31 | | 11.2% | | | |
| Minks | 4 | | 1.4% | | | |
| Weasels | 1 | | 0.4% | | | |
| Franklin's Ground Squirrels | 2 | | 0.7% | | | |
| Black Billed Magpies | 0 | | 0.0% | | | |
| American Crows | 1 | | 0.4% | | | |
| Gulls | 0 | | 0.0% | | | |
| Multiple | 6 | | 2.2% | | | |
| Unknown | 48 | | 17.3% | | | |
| Unsure | 39 | | 14.0% | | | |
| | | Total | 100% | | | |

APPENDIX B, TABLE 2. 2000 NESTING STUDY DEPREDACTION BY COUNTY

| BIG STONE COUNTY (011) | | |
|--|--------------|---|
| Study Areas: | 3 | (Bs9, OT7, OT8) |
| Fields: | 11 | |
| Total Number of Nests: | 212 | |
| Total Depredated Nests | 113 | |
| Percentage of Nests Depredated: | 53.3% | |
| Predator Species: | | Percentage Depredated by Species: |
| Coyotes | 5 | 4.4% |
| Red Foxes | 7 | 6.2% |
| Raccoons | 20 | 17.7% |
| Striped Skunks | 25 | 22.1% |
| American Badgers | 15 | 13.3% |
| Minks | 0 | 0.0% |
| Weasels | 0 | 0.0% |
| Franklin's Ground Squirrels | 1 | 0.9% |
| Black Billed Magpies | 0 | 0.0% |
| American Crows | 0 | 0.0% |
| Gulls | 0 | 0.0% |
| Multiple (List) | 5 | 4.4% |
| Unknown | 17 | 15.0% |
| Unsure | 18 | 15.9% |
| | | Total 100% |
| POPE COUNTY (121) | | |
| Study Areas: | 8 | (BA8, BA9, CF5, CF7, GI2, GI5, RF1, WA4) |
| Fields: | 17 | |
| Total Number of Nests: | 141 | |
| Total Depredated Nests | 73 | |
| Percentage of Nests Depredated: | 52% | |
| Predator Species: | | Percentage Depredated by Species: |
| Coyotes | 3 | 4% |
| Red Foxes | 10 | 14% |
| Raccoons | 5 | 7% |
| Striped Skunks | 24 | 33% |
| American Badgers | 5 | 7% |
| Minks | 3 | 4% |
| Weasels | 1 | 1% |
| Franklin's Ground Squirrels | 0 | 0% |
| Black Billed Magpies | 0 | 0% |
| American Crows | 1 | 1% |
| Gulls | 0 | 0% |
| Multiple (List) | 1 | 1% |
| Unknown | 9 | 12% |
| Unsure | 11 | 15% |

| | | Total | 100% |
|---------------------------------|------------|-----------------------------------|-------------|
| STEVENS COUNTY (149) | | | |
| Study Areas: | 4 | (FR2, HO2, PE5, SC1) | |
| Fields: | 5 | | |
| Total Number of Nests: | 157 | | |
| Total Depredated Nests | 88 | | |
| Percentage of Nests Depredated: | 56% | | |
| Predator Species: | | Percentage Depredated by Species: | |
| Coyotes | 1 | 1% | |
| Red Foxes | 14 | 16% | |
| Raccoons | 9 | 10% | |
| Striped Skunks | 23 | 26% | |
| American Badgers | 9 | 10% | |
| Minks | 0 | 0% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 1 | 1% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 21 | 24% | |
| Unsure | 10 | 11% | |
| | | Total | 100% |
| SWIFT COUNTY (151) | | | |
| Study Areas: | 3 | (CL9, FAH, MON) | |
| Fields: | 3 | | |
| Total Number of Nests: | 11 | | |
| Total Depredated Nests | 4 | | |
| Percentage of Nests Depredated: | 36% | | |
| Predator Species: | | Percentage Depredated by Species: | |
| Coyotes | 0 | 0% | |
| Red Foxes | 0 | 0% | |
| Raccoons | 0 | 0% | |
| Striped Skunks | 0 | 0% | |
| American Badgers | 2 | 50% | |
| Minks | 1 | 25% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 0 | 0% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 1 | 25% | |
| Unsure | 0 | 0% | |
| | | Total | 100% |

APPENDIX B, TABLE 3. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|--------------------------|--|-------------|
| Study Area: | BA8 | | |
| Fields: | 021, 032, 036 | | |
| Total Number of Nests: | 14 | | |
| Total Depredated Nests | 7 | | |
| Percentage of Nests Depredated: | 50% | | |
| Predator Species: | | Percentage Depredated by Species: | |
| Coyotes | 0 | 0% | |
| Red Foxes | 1 | 14% | |
| Raccoons | 3 | 43% | |
| Striped Skunks | 1 | 14% | |
| American Badgers | 0 | 0% | |
| Minks | 0 | 0% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 0 | 0% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 2 | 29% | |
| Unsure (List) | 0 | 0% | |
| | | Total | 100% |

APPENDIX B, TABLE 4. STUDY DEPREDATION

| STUDY AREA DEPREDATION | | | | |
|--|--------------------------|--------------|--|-------------|
| Study Area: | BA9 | | | |
| Fields: | 001, 012, P12 | | | |
| Total Number of Nests: | 7 | | | |
| Total Depredated Nests | 1 | | | |
| Percentage of Nests Depredated: | 14% | | | |
| Predator Species: | | | Percentage Depredated by Species: | |
| Coyotes | 0 | | 0% | |
| Red Foxes | 0 | | 0% | |
| Raccoons | 0 | | 0% | |
| Striped Skunks | 0 | | 0% | |
| American Badgers | 0 | | 0% | |
| Minks | 0 | | 0% | |
| Weasels | 0 | | 0% | |
| Franklin's Ground Squirrels | 0 | | 0% | |
| Black Billed Magpies | 0 | | 0% | |
| American Crows | 0 | | 0% | |
| Gulls | 0 | | 0% | |
| Multiple (List) | 0 | | 0% | |
| Unknown | 0 | | 0% | |
| Unsure (List) | 1 | | 100% | mink/weasel |
| | | Total | 100% | |

APPENDIX B, TABLE 5. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | | |
|--|-------------------------------|--------------|--|---------------------------------------|
| | | | | |
| Study Area: | BS9 | | | |
| Fields: | B53, B57, MN1, MN5 | | | |
| Total Number of Nests: | 98 | | | |
| Total Depredated Nests | 48 | | | |
| Percentage of Nests Depredated: | 49% | | | |
| | | | | |
| Predator Species: | | | Percentage Depredated by Species: | |
| | | | | |
| Coyotes | 2 | | 4% | |
| Red Foxes | 3 | | 6% | |
| Raccoons | 6 | | 13% | |
| Striped Skunks | 13 | | 27% | |
| American Badgers | 6 | | 13% | |
| Minks | 0 | | 0% | |
| Weasels | 0 | | 0% | |
| Franklin's Ground Squirrels | 1 | | 2% | |
| Black Billed Magpies | 0 | | 0% | |
| American Crows | 0 | | 0% | |
| Gulls | 0 | | 0% | |
| Multiple (List) | 2 | | 4% | coyote and skunk (2) |
| Unknown | 9 | | 19% | |
| Unsure (List) | 6 | | 13% | weasel/crow (3); skunk/raccoon (3) |
| | | | | |
| | | Total | 100% | |

APPENDIX B, TABLE 6. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|---------------------|--------------|--|
| | | | |
| Study Area: | CF5 | | |
| Fields: | 085, 088 | | |
| Total Number of Nests: | 3 | | |
| Total Depredated Nests | 3 | | |
| Percentage of Nests Depredated: | 100% | | |
| | | | |
| Predator Species: | | | Percentage Depredated by Species: |
| | | | |
| Coyotes | 2 | | 67% |
| Red Foxes | 0 | | 0% |
| Raccoons | 0 | | 0% |
| Striped Skunks | 1 | | 33% |
| American Badgers | 0 | | 0% |
| Minks | 0 | | 0% |
| Weasels | 0 | | 0% |
| Franklin's Ground Squirrels | 0 | | 0% |
| Black Billed Magpies | 0 | | 0% |
| American Crows | 0 | | 0% |
| Gulls | 0 | | 0% |
| Multiple (List) | 0 | | 0% |
| Unknown | 0 | | 0% |
| Unsure (List) | 0 | | 0% |
| | | | |
| | | Total | 100% |

APPENDIX B, TABLE 7. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|-------------|--------------|--|
| | | | |
| Study Area: | CF7 | | |
| Fields: | 108 | | |
| Total Number of Nests: | 1 | | |
| Total Depredated Nests | 1 | | |
| Percentage of Nests Depredated: | 100% | | |
| | | | |
| Predator Species: | | | Percentage Depredated by Species: |
| | | | |
| Coyotes | 0 | | 0% |
| Red Foxes | 0 | | 0% |
| Raccoons | 0 | | 0% |
| Striped Skunks | 0 | | 0% |
| American Badgers | 0 | | 0% |
| Minks | 1 | | 100% |
| Weasels | 0 | | 0% |
| Franklin's Ground Squirrels | 0 | | 0% |
| Black Billed Magpies | 0 | | 0% |
| American Crows | 0 | | 0% |
| Gulls | 0 | | 0% |
| Multiple (List) | 0 | | 0% |
| Unknown | 0 | | 0% |
| Unsure (List) | 0 | | 0% |
| | | | |
| | | Total | 100% |

APPENDIX B, TABLE 8. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|------------|--------------|--|
| | | | |
| Study Area: | CL9 | | |
| Fields: | SW4 | | |
| Total Number of Nests: | 7 | | |
| Total Depredated Nests | 3 | | |
| Percentage of Nests Depredated: | 43% | | |
| | | | |
| Predator Species: | | | Percentage Depredated by Species: |
| | | | |
| Coyotes | 0 | | 0% |
| Red Foxes | 0 | | 0% |
| Raccoons | 0 | | 0% |
| Striped Skunks | 0 | | 0% |
| American Badgers | 2 | | 67% |
| Minks | 0 | | 0% |
| Weasels | 0 | | 0% |
| Franklin's Ground Squirrels | 0 | | 0% |
| Black Billed Magpies | 0 | | 0% |
| American Crows | 0 | | 0% |
| Gulls | 0 | | 0% |
| Multiple (List) | 0 | | 0% |
| Unknown | 1 | | 33% |
| Unsure (List) | 0 | | 0% |
| | | | |
| | | Total | 100% |

APPENDIX B, TABLE 9. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|------------|--|-------------|
| | | | |
| Study Area: | FAH | | |
| Fields: | 602 | | |
| Total Number of Nests: | 3 | | |
| Total Depredated Nests | 1 | | |
| Percentage of Nests Depredated: | 33% | | |
| | | | |
| Predator Species: | | Percentage Depredated by Species: | |
| | | | |
| Coyotes | 0 | 0% | |
| Red Foxes | 0 | 0% | |
| Raccoons | 0 | 0% | |
| Striped Skunks | 0 | 0% | |
| American Badgers | 0 | 0% | |
| Minks | 1 | 100% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 0 | 0% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 0 | 0% | |
| Unsure (List) | 0 | 0% | |
| | | | |
| | | Total | 100% |

APPENDIX B, TABLE 10. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|---------------------------------|------|-----------------------------------|------|
| Study Area: | FR2 | | |
| Fields: | 703 | | |
| Total Number of Nests: | 1 | | |
| Total Depredated Nests | 1 | | |
| Percentage of Nests Depredated: | 100% | | |
| Predator Species: | | Percentage Depredated by Species: | |
| Coyotes | 0 | 0% | |
| Red Foxes | 0 | 0% | |
| Raccoons | 0 | 0% | |
| Striped Skunks | 1 | 100% | |
| American Badgers | 0 | 0% | |
| Minks | 0 | 0% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 0 | 0% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 0 | 0% | |
| Unsure (List) | 0 | 0% | |
| | | Total | 100% |

APPENDIX B, TABLE 11. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|---------------------|--------------|--|
| | | | |
| Study Area: | GI2 | | |
| Fields: | 134, 138 | | |
| Total Number of Nests: | 17 | | |
| Total Depredated Nests | 11 | | |
| Percentage of Nests Depredated: | 65% | | |
| | | | |
| Predator Species: | | | Percentage Depredated by Species: |
| | | | |
| Coyotes | 0 | | 0% |
| Red Foxes | 5 | | 45% |
| Raccoons | 0 | | 0% |
| Striped Skunks | 4 | | 36% |
| American Badgers | 0 | | 0% |
| Minks | 0 | | 0% |
| Weasels | 0 | | 0% |
| Franklin's Ground Squirrels | 0 | | 0% |
| Black Billed Magpies | 0 | | 0% |
| American Crows | 0 | | 0% |
| Gulls | 0 | | 0% |
| Multiple (List) | 0 | | 0% |
| Unknown | 2 | | 18% |
| Unsure (List) | 0 | | 0% |
| | | | |
| | | Total | 100% |

APPENDIX B, TABLE 12. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | | |
|------------------------------------|------------------|-------|--------------------------------------|---------------|
| Study Area: | G15 | | | |
| Fields: | 145, 146, 147 | | | |
| Total Number of Nests: | 4 | | | |
| Total Depredated Nests | 4 | | | |
| Percentage of Nests Depredated: | 100% | | | |
| Predator Species: | | | Percentage Depredated by Species: | |
| Coyotes | 0 | | 0% | |
| Red Foxes | 0 | | 0% | |
| Raccoons | 0 | | 0% | |
| Striped Skunks | 1 | | 25% | |
| American Badgers | 0 | | 0% | |
| Minks | 0 | | 0% | |
| Weasels | 0 | | 0% | |
| Franklin's Ground Squirrels | 0 | | 0% | |
| Black Billed Magpies | 0 | | 0% | |
| American Crows | 1 | | 25% | |
| Gulls | 0 | | 0% | |
| Multiple (List) | 0 | | 0% | |
| Unknown | 1 | | 25% | |
| Unsure (List) | 1 | | 25% | mink/crow (1) |
| | | Total | 100% | |

APPENDIX B, TABLE 13. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|---------------------|--------------|--|
| | | | |
| Study Area: | HO2 | | |
| Fields: | 701, 702 | | |
| Total Number of Nests: | 22 | | |
| Total Depredated Nests | 0 | | |
| Percentage of Nests Depredated: | 0% | | |
| | | | |
| Predator Species: | | | Percentage Depredated by Species: |
| | | | |
| Coyotes | 0 | | 0% |
| Red Foxes | 0 | | 0% |
| Raccoons | 0 | | 0% |
| Striped Skunks | 0 | | 0% |
| American Badgers | 0 | | 0% |
| Minks | 0 | | 0% |
| Weasels | 0 | | 0% |
| Franklin's Ground Squirrels | 0 | | 0% |
| Black Billed Magpies | 0 | | 0% |
| American Crows | 0 | | 0% |
| Gulls | 0 | | 0% |
| Multiple (List) | 0 | | 0% |
| Unknown | 0 | | 0% |
| Unsure (List) | 0 | | 0% |
| | | | |
| | | Total | 0% |

APPENDIX B, TABLE 14. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|------------|--|-----------|
| | | | |
| Study Area: | MON | | |
| Fields: | 601 | | |
| Total Number of Nests: | 1 | | |
| Total Depredated Nests | 0 | | |
| Percentage of Nests Depredated: | 0% | | |
| | | | |
| Predator Species: | | Percentage Depredated by Species: | |
| | | | |
| Coyotes | 0 | 0% | |
| Red Foxes | 0 | 0% | |
| Raccoons | 0 | 0% | |
| Striped Skunks | 0 | 0% | |
| American Badgers | 0 | 0% | |
| Minks | 0 | 0% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 0 | 0% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 0 | 0% | |
| Unsure (List) | 0 | 0% | |
| | | | |
| | | Total | 0% |

APPENDIX B, TABLE 15. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|------------------------------------|-----------------------|-----------------------------------|-------------------------------------|
| Study Area: | OT7 | | |
| Fields: | 267, 274, 279, MN2 | | |
| Total Number of Nests: | 43 | | |
| Total Depredated Nests | 25 | | |
| Percentage of Nests Depredated: | 58% | | |
| Predator Species: | | Percentage Depredated by Species: | |
| Coyotes | 1 | 4% | |
| Red Foxes | 2 | 8% | |
| Raccoons | 4 | 16% | |
| Striped Skunks | 7 | 28% | |
| American Badgers | 3 | 12% | |
| Minks | 0 | 0% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 0 | 0% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 2 | 8% | |
| Unsure (List) | 6 | 24% | mink/crow (2); skunk/raccoon (4) |
| | | Total | 100% |

APPENDIX B, TABLE 16. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | | |
|--|--------------------------|--------------|--|---|
| | | | | |
| Study Area: | OT8 | | | |
| Fields: | 281, B02, B12 | | | |
| Total Number of Nests: | 71 | | | |
| Total Depredated Nests | 40 | | | |
| Percentage of Nests Depredated: | 56% | | | |
| | | | | |
| Predator Species: | | | Percentage Depredated by Species: | |
| | | | | |
| Coyotes | 2 | | 5% | |
| Red Foxes | 2 | | 5% | |
| Raccoons | 10 | | 25% | |
| Striped Skunks | 5 | | 13% | |
| American Badgers | 6 | | 15% | |
| Minks | 0 | | 0% | |
| Weasels | 0 | | 0% | |
| Franklin's Ground Squirrels | 0 | | 0% | |
| Black Billed Magpies | 0 | | 0% | |
| American Crows | 0 | | 0% | |
| Gulls | 0 | | 0% | |
| Multiple (List) | 3 | | 8% | coyote and raccoon (1); mink and ? (1); unknown (1) |
| Unknown | 6 | | 15% | |
| Unsure (List) | 6 | | 15% | skunk/raccoon (4); mink/weasel (1); mink/crow (1) |
| | | | | |
| | | Total | 100% | |

APPENDIX B, TABLE 17. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|---------------------------------|-------------|-----------------------------------|--|
| | | | |
| Study Area: | PE5 | | |
| Fields: | S03, S45 | | |
| Total Number of Nests: | 120 | | |
| Total Depredated Nests | 83 | | |
| Percentage of Nests Depredated: | 69% | | |
| | | | |
| Predator Species: | | Percentage Depredated by Species: | |
| | | | |
| Coyotes | 1 | 1% | |
| Red Foxes | 14 | 17% | |
| Raccoons | 8 | 10% | |
| Striped Skunks | 20 | 24% | |
| American Badgers | 8 | 10% | |
| Minks | 0 | 0% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 1 | 1% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 21 | 25% | |
| Unsure (List) | 10 | 12% | mink/crow (5); weasel/FGS (1); skunk/raccoon (2); mink/coyote (1); mink/weasel (1) |
| | | | |
| | | Total | 100% |

APPENDIX B, TABLE 18. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | | |
|------------------------------------|-------------|-------|-----------------------------------|---------------------------------------|
| Study Area: | RF1 | | | |
| Fields: | 603, P08 | | | |
| Total Number of Nests: | 25 | | | |
| Total Depredated Nests | 12 | | | |
| Percentage of Nests Depredated: | 48% | | | |
| Predator Species: | | | Percentage Depredated by Species: | |
| Coyotes | 0 | | 0% | |
| Red Foxes | 2 | | 17% | |
| Raccoons | 0 | | 0% | |
| Striped Skunks | 4 | | 33% | |
| American Badgers | 1 | | 8% | |
| Minks | 0 | | 0% | |
| Weasels | 0 | | 0% | |
| Franklin's Ground Squirrels | 0 | | 0% | |
| Black Billed Magpies | 0 | | 0% | |
| American Crows | 0 | | 0% | |
| Gulls | 0 | | 0% | |
| Multiple (List) | 0 | | 0% | |
| Unknown | 3 | | 25% | |
| Unsure (List) | 2 | | 17% | mink/weasel (1); skunk/raccoon (1) |
| | | Total | 100% | |

APPENDIX B, TABLE 19. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | |
|--|------------|--|-------------|
| | | | |
| Study Area: | SC1 | | |
| Fields: | 704 | | |
| Total Number of Nests: | 14 | | |
| Total Depredated Nests | 4 | | |
| Percentage of Nests Depredated: | 29% | | |
| | | | |
| Predator Species: | | Percentage Depredated by Species: | |
| | | | |
| Coyotes | 0 | 0% | |
| Red Foxes | 0 | 0% | |
| Raccoons | 1 | 25% | |
| Striped Skunks | 2 | 50% | |
| American Badgers | 1 | 25% | |
| Minks | 0 | 0% | |
| Weasels | 0 | 0% | |
| Franklin's Ground Squirrels | 0 | 0% | |
| Black Billed Magpies | 0 | 0% | |
| American Crows | 0 | 0% | |
| Gulls | 0 | 0% | |
| Multiple (List) | 0 | 0% | |
| Unknown | 0 | 0% | |
| Unsure (List) | 0 | 0% | |
| | | | |
| | | Total | 100% |

APPENDIX B, TABLE 20. STUDY AREA DEPREDATION

| STUDY AREA DEPREDATION | | | | |
|---------------------------------|-----|-----------------------------------|---|--|
| Study Area: | WA4 | | | |
| Fields: | P19 | | | |
| Total Number of Nests: | 70 | | | |
| Total Depredated Nests | 34 | | | |
| Percentage of Nests Depredated: | 49% | | | |
| Predator Species: | | Percentage Depredated by Species: | | |
| Coyotes | 1 | 3% | | |
| Red Foxes | 2 | 6% | | |
| Raccoons | 2 | 6% | | |
| Striped Skunks | 13 | 38% | | |
| American Badgers | 4 | 12% | | |
| Minks | 2 | 6% | | |
| Weasels | 1 | 3% | | |
| Franklin's Ground Squirrels | 0 | 0% | | |
| Black Billed Magpies | 0 | 0% | | |
| American Crows | 0 | 0% | | |
| Gulls | 0 | 0% | | |
| Multiple (List) | 1 | 3% | unknown (1) | |
| Unknown | 1 | 3% | | |
| Unsure (List) | 7 | 21% | mink/crow (4); skunk/raccoon (2); skunk/? (1) | |
| | | Total | 100% | |

APPENDIX C. DISTANCE (m) FROM NEST TO HOSTILE HABITAT STRUCTURE

| Study Area | Field Number | Nest Number | Fate | Cause | H2O | Linear | Trees | Stationary | Tracks | open |
|------------|--------------|-------------|------|-------|-----|---------|--------|------------|--------|------|
| BA8 | 021 | 002 | 1 | - | | 100 | | | 7 | |
| BA8 | 021 | 004 | 1 | - | | | | | 7 | |
| BA8 | 021 | 006 | 3 | 1 | 50 | | | 100 | | |
| BA8 | 021 | 008 | 1 | - | | | 50 | | | |
| BA8 | 021 | 012 | 3 | 6 | | | | | | |
| BA8 | 032 | 001 | 3 | 1 | 50 | | | | | |
| BA8 | 032 | 003 | 1 | - | 8 | 25 | | | | |
| BA8 | 036 | 001 | 3 | 1 | 30 | 4 | | | | |
| BA8 | 036 | 002 | 3 | 1 | 100 | | | | 0.14 | |
| BA8 | 036 | 003 | 3 | 1 | | 4 | | | | |
| BA8 | 036 | 004 | 1 | - | 60 | | 60 | | 7 | |
| BA8 | 036 | 006 | 3 | 1 | 15 | | 15 | | 1 | |
| BA8 | 036 | 008 | 3 | 6 | | | | | | |
| BA8 | 036 | 101 | 3 | 1 | | 45 | | | | |
| BA9 | 1 | 002 | 3 | 1 | 50 | | 50 (2) | | | |
| BA9 | 001 | 004 | 3 | 6 | | | | | | |
| BA9 | 001 | 006 | 1 | - | | | | 0.1 | | |
| BA9 | 012 | 001 | 2 | 9 | | | | | | |
| BA9 | 012 | 002 | 1 | - | 10 | 50 (2) | 50 | | | |
| BA9 | 012 | 004 | 1 | - | | | 8 (2) | | | |
| BA9 | P12 | 001 | 5 | - | | | | | | |
| BS9 | B53 | 006 | 1 | - | | 100 | | | | |
| BS9 | B53 | 008 | 3 | 1 | | | 50 | | | |
| BS9 | B53 | 050 | 2 | 6 | | | | | | |
| BS9 | B53 | 138 | 3 | 1 | | | | | x | |
| BS9 | B53 | 140 | 3 | 1 | | | | | x | |
| BS9 | B53 | 142 | 3 | 1 | | | | | x | |
| BS9 | B53 | 146 | 1 | - | | | | | x | |
| BS9 | B53 | 148 | 1 | - | | 7 | | | | |
| BS9 | B53 | 150 | 3 | 1 | 0 | | | | 0 | |
| BS9 | B53 | 152 | 1 | - | | 10 | | | | |
| BS9 | B53 | 154 | 3 | 1 | | 2 | | | | |
| BS9 | B53 | 156 | 3 | 1 | | | | | x | |
| BS9 | B53 | 158 | 1 | - | | | | | 4 | |
| BS9 | B57 | 001 | 1 | - | 50 | 75 | | | | |
| BS9 | B57 | 002 | 1 | - | | 30 | 100 | | | |
| BS9 | B57 | 003 | 2 | 6 | | | | | | |
| BS9 | B57 | 004 | 1 | - | | 50 | | | | |
| BS9 | B57 | 005 | 3 | 1 | | 150 (2) | | | | |
| BS9 | B57 | 006 | 1 | - | | 15 ; 50 | | | | |
| BS9 | B57 | 007 | 3 | 1 | | | | | x | |
| BS9 | B57 | 050 | 3 | 1 | 10 | | | | | |
| BS9 | B57 | 051 | 3 | 1 | | 50 | | | | |
| BS9 | B57 | 101 | 1 | - | 1 | | 5 | | | |
| BS9 | B57 | 102 | 3 | 1 | | 4 | | | | |
| BS9 | B57 | 103 | 1 | - | 1 | 15 | | | | |
| BS9 | B57 | 104 | 1 | - | | 30 | | | | |
| BS9 | B57 | 105 | 3 | 1 | 0 | | | | | |
| BS9 | B57 | 106 | 3 | 1 | | 18 | | | | |
| BS9 | B57 | 107 | 1 | - | 1 | | | | | |
| BS9 | B57 | 108 | 1 | - | | 50 | | | | |
| BS9 | B57 | 109 | 2 | 9 | | | | | | |
| BS9 | B57 | 110 | 3 | 1 | | 15 | | | 2 | |
| BS9 | B57 | 111 | 3 | 1 | 12 | | | | | |

| | | | | | | | | | | |
|-----|-----|-----|---|---|---------|-----|---------|-----|---|--|
| BS9 | B57 | 112 | 3 | 1 | 45 | | | | | |
| BS9 | B57 | 113 | 3 | 1 | 15 | 10 | | | | |
| BS9 | B57 | 114 | 3 | 1 | 50 | | | 150 | | |
| BS9 | B57 | 115 | 1 | - | 100 | 15 | | | | |
| BS9 | B57 | 116 | 3 | 1 | 30 | | | | | |
| BS9 | B57 | 117 | 3 | 1 | 60 | 8 | | | | |
| BS9 | B57 | 118 | 2 | 9 | | | | | | |
| BS9 | B57 | 119 | 1 | - | 100 | | | 8 | 1 | |
| BS9 | B57 | 120 | 2 | 9 | | | | | | |
| BS9 | B57 | 121 | 3 | 1 | 30 (2) | | | | | |
| BS9 | B57 | 122 | 3 | 1 | 3 | 4 | | | | |
| BS9 | B57 | 123 | 2 | 6 | | | | | | |
| BS9 | B57 | 124 | 1 | - | | 8 | | | | |
| BS9 | B57 | 126 | 3 | 1 | 15 | 10 | | | | |
| BS9 | B57 | 128 | 3 | 1 | 40 | | | | | |
| BS9 | B57 | 130 | 3 | 1 | | 100 | 25 ; 15 | | | |
| BS9 | B57 | 132 | 1 | - | 50 | 100 | | | | |
| BS9 | B57 | 134 | 1 | - | 70 | | | | | |
| BS9 | B57 | 136 | 3 | 1 | 70 | | | | | |
| BS9 | B57 | 138 | 3 | 1 | 30 | 50 | | | | |
| BS9 | B57 | 140 | 3 | 1 | | 50 | | | | |
| BS9 | B57 | 142 | 1 | - | 30 | 50 | | | | |
| BS9 | B57 | 144 | 3 | 1 | 0 ; 120 | 120 | | | | |
| BS9 | B57 | 146 | 1 | - | 20 | | | | | |
| BS9 | MN1 | 001 | 1 | - | | 0 | 50 | | | |
| BS9 | MN1 | 002 | 3 | 1 | 90 | 60 | 55 | | | |
| BS9 | MN1 | 101 | 1 | - | 25 | 25 | 25 | | | |
| BS9 | MN1 | 103 | 3 | 1 | 35 | 35 | 35 | | 2 | |
| BS9 | MN1 | 105 | 1 | - | 50 | | | | | |
| BS9 | MN1 | 107 | 1 | - | 30 | | | | | |
| BS9 | MN1 | 109 | 3 | 1 | 30 | | | | | |
| BS9 | MN1 | 111 | 3 | 1 | 20 | 20 | 20 | | | |
| BS9 | MN1 | 113 | 3 | 1 | 50 ; 20 | | | | | |
| BS9 | MN1 | 115 | 3 | 6 | | | | | | |
| BS9 | MN5 | 002 | 3 | 1 | | | | | x | |
| BS9 | MN5 | 003 | 1 | - | | | | | | |
| BS9 | MN5 | 004 | 5 | - | | | | | | |
| BS9 | MN5 | 010 | 3 | 1 | | 100 | | 0.2 | | |
| BS9 | MN5 | 051 | 3 | 1 | | | | | x | |
| BS9 | MN5 | 052 | 3 | 1 | | | | | x | |
| BS9 | MN5 | 101 | 3 | 1 | | | | | | |
| BS9 | MN5 | 102 | 1 | - | | | 20 | | | |
| BS9 | MN5 | 103 | 1 | - | | | | | | |
| BS9 | MN5 | 104 | 1 | - | | 30 | | | | |
| BS9 | MN5 | 105 | 1 | - | | | | | | |
| BS9 | MN5 | 106 | 1 | 1 | | 50 | | | | |
| BS9 | MN5 | 107 | 3 | 1 | | | | | | |
| BS9 | MN5 | 108 | 1 | - | 50 | 50 | | | | |
| BS9 | MN5 | 109 | 3 | 1 | | | | | | |
| BS9 | MN5 | 110 | 3 | 1 | | | | | x | |
| BS9 | MN5 | 111 | 3 | 1 | | | | | | |
| BS9 | MN5 | 112 | 3 | 1 | | | | 5 | | |
| BS9 | MN5 | 114 | 3 | 1 | | | | | x | |
| BS9 | MN5 | 116 | 1 | - | | | | | x | |
| BS9 | MN5 | 118 | 1 | - | | | | | x | |
| BS9 | MN5 | 120 | 3 | 1 | | | | 2 | | |
| BS9 | MN5 | 122 | 1 | - | | | 20 | | | |
| BS9 | MN5 | 124 | 1 | - | | | | | x | |
| BS9 | MN5 | 126 | 1 | - | | | | | 6 | |
| BS9 | MN5 | 128 | 1 | - | 18 (2) | | | | | |

| | | | | | | | | | | | |
|-----|-----|-----|---|---|-------------|-----|----------------|-------|-------|--------------|--|
| BS9 | MN5 | 130 | 1 | - | 18 | | | | | | |
| BS9 | MN5 | 132 | 3 | 1 | 10 | | | | | | |
| BS9 | MN5 | 134 | 1 | - | | | | 10 | | | |
| BS9 | MN5 | 136 | 1 | - | | | 7 | | | | |
| BS9 | MN5 | 144 | 2 | 9 | | | | | | | |
| CF5 | 085 | 001 | 3 | 1 | 10 | 100 | 10 | | | | |
| CF5 | 085 | 003 | 3 | 1 | | 100 | | | | | |
| CF5 | 088 | 002 | 3 | 1 | | | | | hill | | |
| CF7 | 108 | 002 | 3 | 1 | | | | | hill | | |
| CL9 | SW4 | 001 | 3 | 1 | 0 | | 50 (1); 25 (1) | | | | |
| CL9 | SW4 | 002 | 3 | 1 | | | 25 | | | | |
| CL9 | SW4 | 102 | 1 | - | | 80 | | | | | |
| CL9 | SW4 | 161 | 1 | - | | | | | p lot | | |
| CL9 | SW4 | 201 | 1 | - | | | | 0 | | | |
| CL9 | SW4 | 203 | 1 | - | 20 | | | 0 | | | |
| CL9 | SW4 | 205 | 3 | 1 | 30 | 15 | | 2 | hill | | |
| FAH | 602 | 002 | 1 | - | | 50 | | | | | |
| FAH | 602 | 004 | 2 | 8 | | | | | | | |
| FAH | 602 | 102 | 3 | 1 | 15 | | | 5 (2) | | | |
| FR2 | 703 | 002 | 3 | 1 | | | | | | | |
| GI2 | 134 | 002 | 1 | - | | | | 18 | | | |
| GI2 | 134 | 004 | 3 | 1 | | 50 | 50 | | | | |
| GI2 | 134 | 006 | 1 | - | | | | | 10 | hill | |
| GI2 | 134 | 101 | 3 | 1 | 50 | | 50 | | | | |
| GI2 | 134 | 102 | 1 | - | | | | | x | | |
| GI2 | 134 | 103 | 3 | 1 | 45 | | 45 | | | | |
| GI2 | 138 | 002 | 3 | 1 | | 18 | | | | | |
| GI2 | 138 | 004 | 3 | 1 | 20 | | | | 1:0.4 | | |
| GI2 | 138 | 006 | 3 | 1 | | | | | 3 | | |
| GI2 | 138 | 008 | 3 | 1 | | | | | 0.2 | | |
| GI2 | 138 | 010 | 3 | 1 | 18 (1); 100 | 10 | 100 | | | ridge | |
| GI2 | 138 | 101 | 3 | 1 | | 25 | 25 | | | | |
| GI2 | 138 | 102 | 3 | 1 | 18 | 18 | | | | | |
| GI2 | 138 | 103 | 1 | - | 50 | | 10 | | | | |
| GI2 | 138 | 104 | 3 | 1 | 25 | 5 | | | | | |
| GI2 | 138 | 105 | 3 | 6 | | | | | | | |
| GI2 | 138 | 107 | 1 | - | 35 | | 40 | | | | |
| GI5 | 145 | 001 | 3 | 1 | | 1 | | | | base of hill | |
| GI5 | 146 | 002 | 3 | 1 | 0 | 7 | | | | | |
| GI5 | 147 | 001 | 3 | 1 | 45 | 35 | | | | | |
| GI5 | 147 | 003 | 3 | 1 | | | 18 | | | | |
| H02 | 701 | 002 | 1 | - | | | | | | | |
| H02 | 701 | 004 | 1 | - | | | | | | | |
| H02 | 701 | 006 | 1 | - | | | | | | | |
| H02 | 701 | 008 | 1 | - | | | | | | | |
| H02 | 701 | 010 | 1 | - | | | | | | | |
| H02 | 701 | 012 | 1 | - | | | | | | | |
| H02 | 701 | 014 | 1 | - | | | | | | | |
| H02 | 701 | 016 | 1 | - | | | | | | | |
| H02 | 701 | 018 | 1 | - | | | | | | | |
| H02 | 701 | 020 | 1 | - | | | | | | | |
| H02 | 701 | 022 | 1 | - | | | | | | | |

| | | | | | | | | | | | |
|-----|-----|-----|---|---|-----|---------|-------------|---------|-----|--|--|
| H02 | 701 | 024 | 1 | - | | | | | | | |
| H02 | 701 | 026 | 1 | - | | | | | | | |
| H02 | 701 | 028 | 1 | - | | | | | | | |
| H02 | 701 | 030 | 1 | - | | | | | | | |
| H02 | 701 | 034 | 1 | - | | | | | | | |
| H02 | 701 | 036 | 1 | - | | | | | | | |
| H02 | 701 | 102 | 1 | - | | | | | | | |
| H02 | 701 | 104 | 1 | - | | | | | | | |
| H02 | 701 | 199 | 3 | 9 | | | | | | | |
| H02 | 702 | 001 | 1 | - | | 12 | 22 treeline | | | | |
| H02 | 702 | 003 | 3 | 1 | 15 | | | | 0.4 | | |
| MON | 601 | 002 | 2 | - | | | | | | | |
| OT7 | 267 | 005 | 1 | - | | | | 12 | 0.4 | | |
| OT7 | 267 | 101 | 1 | - | 18 | | 18 | | | | |
| OT7 | 267 | 102 | 1 | - | | | | | x | | |
| OT7 | 267 | 103 | 3 | 1 | | 7 | 7 | | | | |
| OT7 | 274 | 011 | 3 | 1 | | 12 | | | | | |
| OT7 | 279 | 003 | 1 | - | | | | 100 (2) | | | |
| OT7 | 279 | 005 | 1 | - | 13 | 50 | | | | | |
| OT7 | 279 | 007 | 3 | 1 | 12 | 10 ; 50 | | 10 | | | |
| OT7 | 279 | 101 | 2 | 9 | | | | | | | |
| OT7 | 279 | 103 | 1 | - | 15 | | | | | | |
| OT7 | 279 | 105 | 1 | - | | | 12 | | | | |
| OT7 | MN2 | 001 | 3 | 1 | 50 | 100 | | 7 | | | |
| OT7 | MN2 | 002 | 3 | 1 | 100 | | 50 | | | | |
| OT7 | MN2 | 003 | 1 | - | | 50 | 50 | | | | |
| OT7 | MN2 | 004 | 1 | - | | | | x | | | |
| OT7 | MN2 | 009 | 3 | 1 | | 0 | | | | | |
| OT7 | MN2 | 011 | 2 | 9 | | | | | | | |
| OT7 | MN2 | 101 | 1 | | | 0 | | | | | |
| OT7 | MN2 | 102 | 3 | 1 | | 7 | | 5 | | | |
| OT7 | MN2 | 103 | 3 | 1 | | 30 | 10 | | | | |
| OT7 | MN2 | 104 | 3 | 1 | | | 7 | | | | |
| OT7 | MN2 | 105 | 3 | 1 | | | | x | | | |
| OT7 | MN2 | 106 | 3 | 1 | | | 12 | | | | |
| OT7 | MN2 | 107 | 3 | 1 | | 30 | | | | | |
| OT7 | MN2 | 108 | 1 | | | | | 5 | | | |
| OT7 | MN2 | 109 | 3 | 1 | | | | | | | |
| OT7 | MN2 | 110 | 1 | - | 50 | | 8 | | | | |
| OT7 | MN2 | 111 | 3 | 1 | | | | 0 | | | |
| OT7 | MN2 | 112 | 1 | - | 50 | | | 5 | | | |
| OT7 | MN2 | 114 | 3 | 1 | 30 | 10 | 30 | 10 | | | |
| OT7 | MN2 | 116 | 3 | 1 | | | | | x | | |
| OT7 | MN2 | 118 | 1 | - | 30 | | | 4 | | | |
| OT7 | MN2 | 120 | 3 | 1 | 70 | | | | | | |
| OT7 | MN2 | 122 | 3 | 1 | 70 | 100 | | | | | |
| OT7 | MN2 | 124 | 3 | 1 | 0 | 20 | | | | | |
| OT7 | MN2 | 126 | 3 | 1 | 70 | 70 | 15 | | | | |
| OT7 | MN2 | 128 | 3 | 1 | 20 | 15 | | 15 | | | |
| OT7 | MN2 | 130 | 1 | - | 85 | 2 | | 1 | | | |
| OT7 | MN2 | 132 | 3 | 1 | 50 | | 40 | | | | |
| OT7 | MN2 | 134 | 3 | 1 | | | 20 | | | | |
| OT7 | MN2 | 136 | 3 | 1 | 85 | | | | | | |
| OT7 | MN2 | 140 | 3 | 1 | | | | 4 | | | |
| OT7 | MN2 | 142 | 3 | 1 | 17 | 17 | | | | | |
| OT8 | 281 | 102 | 3 | 1 | | | | | | | |
| OT8 | 281 | 104 | 1 | - | | | | | | | |

| | | | | | | | | | | | |
|-----|-----|-----|---|---|-----|--------|-----|--|--|-----|------|
| OT8 | 281 | 106 | 3 | 1 | | | | | | | |
| OT8 | 281 | 108 | 3 | 1 | | | | | | | |
| OT8 | 281 | 110 | 1 | - | | | | | | | |
| OT8 | 281 | 112 | 3 | 1 | | | | | | | |
| OT8 | 281 | 114 | 1 | | | | | | | | |
| OT8 | 281 | 116 | 1 | - | | | | | | | |
| OT8 | 281 | 118 | 1 | - | | | | | | | |
| OT8 | 281 | 120 | 1 | - | | | | | | | |
| OT8 | 281 | 122 | 3 | 1 | | | | | | | |
| OT8 | 281 | 124 | 3 | 1 | | | | | | | |
| OT8 | 281 | 126 | 1 | - | | | | | | | |
| OT8 | 281 | 128 | 1 | - | | | | | | | |
| OT8 | 281 | 130 | 1 | - | | | | | | | |
| OT8 | B02 | 001 | 3 | 1 | 10 | | | | | 0.6 | |
| OT8 | B02 | 002 | 3 | 1 | 150 | | | | | | |
| OT8 | B02 | 003 | 3 | 1 | | 10 | 18 | | | | |
| OT8 | B02 | 004 | 3 | 1 | 100 | | | | | | |
| OT8 | B02 | 006 | 3 | 1 | 100 | | | | | | |
| OT8 | B02 | 008 | 2 | 9 | | | | | | | |
| OT8 | B02 | 010 | 1 | - | | | | | | x | |
| OT8 | B02 | 012 | 3 | 1 | | | 50 | | | | |
| OT8 | B02 | 014 | 3 | 1 | | | 13 | | | | |
| OT8 | B02 | 016 | 3 | 1 | 0 | | | | | | |
| OT8 | B02 | 018 | 3 | 1 | 0 | 100 | 100 | | | | |
| OT8 | B02 | 101 | 3 | 1 | | | | | | | |
| OT8 | B02 | 102 | 1 | - | 50 | | | | | | hill |
| OT8 | B02 | 103 | 3 | 1 | | | | | | | |
| OT8 | B02 | 104 | 3 | 1 | 50 | | | | | | |
| OT8 | B02 | 105 | 3 | 1 | | | | | | | |
| OT8 | B02 | 106 | 1 | - | 100 | 50 | 40 | | | | |
| OT8 | B02 | 108 | 3 | 1 | | | | | | | |
| OT8 | B02 | 110 | 3 | 1 | 50 | | | | | | |
| OT8 | B02 | 112 | 3 | 1 | | | | | | | x |
| OT8 | B02 | 114 | 1 | - | | | | | | | x |
| OT8 | B02 | 116 | 3 | 1 | | | 13 | | | | |
| OT8 | B02 | 118 | 1 | - | 50 | | 50 | | | 3 | |
| OT8 | B02 | 120 | 1 | - | 50 | | 50 | | | | |
| OT8 | B02 | 122 | 1 | - | | | | | | | x |
| OT8 | B02 | 124 | 1 | - | 60 | | | | | | |
| OT8 | B02 | 126 | 3 | 1 | | | | | | | x |
| OT8 | B02 | 128 | 3 | 1 | | | | | | | x |
| OT8 | B02 | 130 | 2 | 8 | | | | | | | |
| OT8 | B02 | 132 | 3 | 1 | | | | | | | x |
| OT8 | B02 | 134 | 1 | - | 20 | | | | | 0.2 | |
| OT8 | B02 | 136 | 3 | 1 | | | | | | | x |
| OT8 | B02 | 138 | 3 | 1 | 33 | | | | | | |
| OT8 | B02 | 140 | 3 | 1 | 75 | | | | | | |
| OT8 | B02 | 142 | 5 | | | | | | | | |
| OT8 | B02 | 144 | 2 | 6 | | | | | | | |
| OT8 | B02 | 146 | 1 | - | | | | | | 50 | |
| OT8 | B02 | 148 | 1 | | 100 | | | | | | |
| OT8 | B02 | 198 | 1 | | | | | | | | |
| OT8 | B02 | 199 | 3 | 1 | 25 | | | | | 0 | |
| OT8 | B02 | 201 | 3 | 1 | | | 1 | | | 1 | |
| OT8 | B12 | 005 | 1 | - | | | 50 | | | | |
| OT8 | B12 | 007 | 1 | - | | | 50 | | | | |
| OT8 | B12 | 009 | 1 | - | | | | | | 0.3 | x |
| OT8 | B12 | 011 | 1 | - | 1 | | | | | | |
| OT8 | B12 | 013 | 3 | 1 | 50 | 50 (2) | | | | | |
| OT8 | B12 | 020 | 3 | 1 | | | | | | | |

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|-----|-----|-----|---|---|----|----|----------|-----|-------|---|
| OT8 | B12 | 021 | 3 | 1 | | | | | 0.5 | x |
| OT8 | B12 | 022 | 1 | - | | | | | | x |
| OT8 | B12 | 023 | 3 | 1 | | 5 | | 10 | | |
| OT8 | B12 | 031 | 3 | 1 | | | | | 1 | |
| OT8 | B12 | 101 | 3 | 1 | 50 | | 50 | | | |
| OT8 | B12 | 103 | 1 | - | | | 13 ; 35 | | | |
| OT8 | B12 | 105 | 3 | 1 | | | 35 (3) | 3 | | |
| OT8 | B12 | 107 | 3 | 1 | | | 10 | | | |
| OT8 | B12 | 109 | 1 | - | 50 | | 10 | | | |
| | | | | | | | | | | |
| PE5 | S03 | 002 | 3 | 1 | 12 | | | | | |
| PE5 | S03 | 004 | 2 | 1 | | | | | | |
| PE5 | S03 | 006 | 3 | 1 | | | 12 | | 2 | |
| PE5 | S03 | 008 | 3 | 1 | | 50 | 50 | | | |
| PE5 | S03 | 101 | 3 | 1 | | | | | | |
| PE5 | S03 | 103 | 3 | 6 | | | | | | |
| PE5 | S03 | 105 | 1 | - | 50 | 8 | | | | |
| PE5 | S03 | 107 | 3 | 1 | | | | | | |
| PE5 | S03 | 109 | 1 | - | | 15 | 15 | | | |
| PE5 | S45 | 001 | 3 | 1 | 10 | | 12 | | | |
| PE5 | S45 | 002 | 2 | 9 | | | | | | |
| PE5 | S45 | 003 | 3 | 1 | 20 | | 10 ; 150 | | | |
| PE5 | S45 | 004 | 3 | 1 | 20 | 7 | | 7 | | |
| PE5 | S45 | 005 | 3 | 1 | 10 | | 100 | | | |
| PE5 | S45 | 006 | 1 | - | | 4 | | | 3 | |
| PE5 | S45 | 007 | 1 | - | 0 | 10 | 25 | | | |
| PE5 | S45 | 008 | 3 | 1 | 10 | | | | | |
| PE5 | S45 | 009 | 3 | 1 | 3 | | 50 | | | |
| PE5 | S45 | 010 | 3 | 1 | 30 | | | | 3 | |
| PE5 | S45 | 011 | 3 | 1 | 10 | | 50 | | | |
| PE5 | S45 | 012 | 3 | 1 | 8 | | | | 6 | |
| PE5 | S45 | 013 | 3 | 1 | 10 | | 50 | | | |
| PE5 | S45 | 014 | 3 | 1 | 50 | 5 | | | | |
| PE5 | S45 | 015 | 3 | 1 | 20 | | 10 | | | |
| PE5 | S45 | 016 | 3 | 1 | 22 | 5 | | | | |
| PE5 | S45 | 017 | 3 | 1 | 10 | | 30 | | | |
| PE5 | S45 | 018 | 1 | - | 17 | | | | | |
| PE5 | S45 | 019 | 3 | 1 | 20 | | 70 | | | |
| PE5 | S45 | 020 | 3 | 1 | 50 | 5 | | 2 | | |
| PE5 | S45 | 021 | 3 | 1 | 30 | | | | | |
| PE5 | S45 | 022 | 3 | 1 | 50 | | | 8 | | |
| PE5 | S45 | 023 | 3 | 1 | | | | | | |
| PE5 | S45 | 024 | 1 | - | | | | | x | |
| PE5 | S45 | 025 | 3 | 1 | | | | | | |
| PE5 | S45 | 026 | 1 | - | | 0 | 18 | 1 | | |
| PE5 | S45 | 027 | 3 | 1 | | | | | | |
| PE5 | S45 | 028 | 3 | 1 | 18 | | 50 | | | |
| PE5 | S45 | 029 | 3 | 1 | | | | | | |
| PE5 | S45 | 030 | 1 | - | | | | | x | |
| PE5 | S45 | 031 | 3 | 1 | | | | | | |
| PE5 | S45 | 032 | 3 | 6 | | | | | | |
| PE5 | S45 | 033 | 3 | 1 | | | | | | |
| PE5 | S45 | 034 | 3 | 1 | 3 | | | 0.1 | | |
| PE5 | S45 | 035 | 3 | 1 | | | | | | |
| PE5 | S45 | 036 | 3 | 1 | 3 | | | 1 | | |
| PE5 | S45 | 037 | 1 | - | | | | | | |
| PE5 | S45 | 038 | 3 | 1 | | | | 1 | ridge | |
| PE5 | S45 | 039 | 1 | - | | | | | 5 | |
| PE5 | S45 | 040 | 3 | 1 | 10 | | | | | |
| PE5 | S45 | 041 | 3 | 1 | | | | | | |

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|-----|-----|-----|---|---|----|-----|-----|-----|-----|--|
| PE5 | S45 | 042 | 3 | 1 | 10 | 8 | | | 1 | |
| PE5 | S45 | 043 | 1 | - | | | | | | |
| PE5 | S45 | 044 | 3 | 1 | | 100 | | | | |
| PE5 | S45 | 045 | 3 | 1 | | | | | | |
| PE5 | S45 | 046 | 3 | 1 | 50 | | 30 | | | |
| PE5 | S45 | 047 | 3 | 1 | | | | | | |
| PE5 | S45 | 048 | 3 | 1 | 50 | | | 0.4 | | |
| PE5 | S45 | 049 | 1 | - | | | | | | |
| PE5 | S45 | 050 | 3 | 1 | 5 | | | | 4 | |
| PE5 | S45 | 051 | 1 | - | | | | | | |
| PE5 | S45 | 052 | 3 | 1 | 50 | | | | | |
| PE5 | S45 | 053 | 3 | 1 | | | | | | |
| PE5 | S45 | 054 | 3 | 1 | | 8 | | | 0.1 | |
| PE5 | S45 | 055 | 3 | 1 | | | | | | |
| PE5 | S45 | 056 | 3 | 1 | | | | | x | |
| PE5 | S45 | 057 | 3 | 1 | | | | | | |
| PE5 | S45 | 058 | 3 | 1 | | | | | x | |
| PE5 | S45 | 059 | 3 | 1 | | | | | | |
| PE5 | S45 | 060 | 2 | 9 | | | | | | |
| PE5 | S45 | 061 | 1 | - | | | | | | |
| PE5 | S45 | 062 | 3 | 1 | | | | | | |
| PE5 | S45 | 063 | 3 | 1 | | | | | | |
| PE5 | S45 | 064 | 3 | 1 | | | | | x | |
| PE5 | S45 | 065 | 3 | 1 | | 0 | | | | |
| PE5 | S45 | 066 | 2 | 9 | | | | | | |
| PE5 | S45 | 067 | 1 | | | | | | | |
| PE5 | S45 | 068 | 3 | 1 | 10 | 25 | | | | |
| PE5 | S45 | 069 | 3 | 1 | | | | | | |
| PE5 | S45 | 070 | 3 | 1 | | | | | | |
| PE5 | S45 | 071 | 3 | 1 | | | | | | |
| PE5 | S45 | 095 | 3 | 1 | 45 | | | | | |
| PE5 | S45 | 097 | 2 | 6 | | | | | | |
| PE5 | S45 | 099 | 3 | 1 | | | 12 | | 0.3 | |
| PE5 | S45 | 101 | 3 | 1 | | | | | | |
| PE5 | S45 | 102 | 1 | - | | 1 | | | | |
| PE5 | S45 | 103 | 1 | - | | | | | | |
| PE5 | S45 | 104 | 3 | 1 | 25 | | | | | |
| PE5 | S45 | 105 | 1 | | | | | | | |
| PE5 | S45 | 106 | 1 | | | | | | | |
| PE5 | S45 | 107 | 1 | | | | | | | |
| PE5 | S45 | 108 | 3 | 1 | 25 | | | | | |
| PE5 | S45 | 110 | 1 | | 80 | | | | | |
| PE5 | S45 | 112 | 3 | 1 | | 5 | | | | |
| PE5 | S45 | 114 | 3 | 1 | | | | | | |
| PE5 | S45 | 116 | 1 | - | 60 | | | | | |
| PE5 | S45 | 118 | 3 | 1 | 5 | | | | 3 | |
| PE5 | S45 | 120 | 3 | 1 | 80 | | | | 3 | |
| PE5 | S45 | 122 | 1 | - | | 35 | | | | |
| PE5 | S45 | 124 | 1 | - | 40 | | 150 | | | |
| PE5 | S45 | 126 | 1 | - | 80 | 50 | | | | |
| PE5 | S45 | 128 | 3 | 1 | 5 | 15 | | | | |
| PE5 | S45 | 152 | 3 | 1 | 8 | | | | | |
| PE5 | S45 | 154 | 1 | | 18 | | | | | |
| PE5 | S45 | 156 | 1 | - | 18 | | | | | |
| PE5 | S45 | 158 | 3 | 1 | | 100 | | | | |
| PE5 | S45 | 201 | 3 | 1 | 7 | 8 | | | | |
| PE5 | S45 | 203 | 3 | 1 | 5 | | | | | |
| PE5 | S45 | 205 | 3 | 1 | | | | | x | |
| PE5 | S45 | 207 | 3 | 1 | 5 | | | | 1 | |
| PE5 | S45 | 209 | 3 | 1 | 7 | 50 | | | | |

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|-----|-----|-----|---|---|----------|----------|----------|-----|------|
| PE5 | S45 | 211 | 3 | 1 | 2 | 50 | | | |
| PE5 | S45 | 213 | 1 | - | | 18 | | | |
| PE5 | S45 | 215 | 3 | 1 | 20 | 150 | | | |
| PE5 | S45 | 217 | 1 | - | 35 | 100 | 100 | | |
| PE5 | S45 | 301 | 3 | 1 | 25 | | | | |
| PE5 | S45 | 303 | 2 | 6 | | | | | |
| PE5 | S45 | 305 | 3 | 1 | | 100 | | | |
| PE5 | S45 | 307 | 3 | 1 | | 20 | | | |
| PE5 | S45 | 309 | 3 | 1 | 50 | | | | |
| PE5 | S45 | 311 | 3 | 1 | 100 | 35 | | | |
| | | | | | | | | | |
| RF1 | 603 | 002 | 1 | - | 200 | | | | |
| RF1 | 603 | 004 | 3 | 1 | 200 | | | | |
| RF1 | P08 | 001 | 1 | - | | 50 | | | hill |
| RF1 | P08 | 002 | 3 | 1 | 100 | 17 | 100 | | |
| RF1 | P08 | 003 | 3 | 1 | | 11 | | | 1 |
| RF1 | P08 | 004 | 1 | - | 50 | 17 ; 10 | 50 | 10 | |
| RF1 | P08 | 005 | 1 | - | | 11 | | | |
| RF1 | P08 | 006 | 3 | 1 | | 8 ; 50 | 8 | | |
| RF1 | P08 | 007 | 3 | 1 | 12 | | 7 | | hill |
| RF1 | P08 | 008 | 3 | 1 | 0 | 13 | | | |
| RF1 | P08 | 009 | 3 | 1 | 33 | 8 | | | |
| RF1 | P08 | 010 | 3 | 1 | 17 | | 17 | | 2 |
| RF1 | P08 | 012 | 3 | 1 | 17 | 17 ; 50 | | | |
| RF1 | P08 | 014 | 1 | - | 30 | | 50 | | 2 |
| RF1 | P08 | 016 | 1 | - | | | | | 2 |
| RF1 | P08 | 018 | 1 | - | | 50 | | | hill |
| RF1 | P08 | 020 | 1 | - | | | | | x |
| RF1 | P08 | 022 | 1 | - | 35 | | 65 | | |
| RF1 | P08 | 101 | 3 | 1 | | 5 | 5 | | hill |
| RF1 | P08 | 102 | 3 | 1 | | | | | |
| RF1 | P08 | 103 | 1 | - | 50 | | | | |
| RF1 | P08 | 104 | 3 | 1 | 70 | | | | |
| RF1 | P08 | 106 | 1 | - | 80 | | | | hill |
| RF1 | P08 | 108 | 1 | - | | | | | hill |
| RF1 | P08 | 110 | 1 | - | 50 | | | | hill |
| | | | | | | | | | |
| SC1 | 704 | 001 | 1 | - | | 0 | | 5 | |
| SC1 | 704 | 002 | 1 | - | | | | | x |
| SC1 | 704 | 003 | 3 | 1 | 17 | | 17 | | |
| SC1 | 704 | 004 | 1 | - | 5 | | | | |
| SC1 | 704 | 005 | 1 | - | 50 | 0 ; 8 | | | |
| SC1 | 704 | 006 | 1 | - | | | | 2 | |
| SC1 | 704 | 007 | 3 | 1 | | | | | x |
| SC1 | 704 | 008 | 1 | - | | 45 | 10 | | |
| SC1 | 704 | 009 | 3 | 1 | 2 | | | 0.2 | |
| SC1 | 704 | 010 | 1 | - | | | | | x |
| SC1 | 704 | 011 | 3 | 1 | 0 | | | 0.2 | |
| SC1 | 704 | 012 | 1 | - | 5 | 4 ; 5 | | | |
| SC1 | 704 | 013 | 5 | 5 | | 20 | | | |
| SC1 | 704 | 014 | 1 | - | | 17 | 17 | | |
| | | | | | | | | | |
| WA4 | P19 | 001 | 3 | 1 | 0 | | | | |
| WA4 | P19 | 002 | 2 | 9 | | | | | |
| WA4 | P19 | 003 | 3 | 1 | 15 | 15 | 15 | | |
| WA4 | P19 | 004 | 3 | 1 | 18 ; 100 | 18 ; 100 | 18 ; 100 | | |
| WA4 | P19 | 005 | 1 | - | 30 | 30 | 30 | | |
| WA4 | P19 | 006 | 3 | 1 | 18 ; 33 | 18 ; 33 | 18 ; 33 | | |
| WA4 | P19 | 007 | 3 | 1 | 24 | 7 | 10 | | |
| WA4 | P19 | 008 | 3 | 6 | | | | | |

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| WA4 | P19 | 009 | 3 | 1 | 8 | | 8 | | | |
| WA4 | P19 | 010 | 3 | 1 | 12 (2) | | 12 | | | 7 from 008 |
| WA4 | P19 | 011 | 3 | 1 | 0 | 10 | 10 | 150 | | |
| WA4 | P19 | 012 | 3 | 1 | 18 ; 20 | | 10 | | 1 | |
| WA4 | P19 | 013 | 3 | 1 | 0 | | | | | |
| WA4 | P19 | 014 | 3 | 1 | 30 | 30 | 30 | | | |
| WA4 | P19 | 015 | 3 | 1 | | | 11 | | | |
| WA4 | P19 | 016 | 3 | 1 | 7 | | 7 | | 2.5 | |
| WA4 | P19 | 017 | 3 | 1 | | | | | | |
| WA4 | P19 | 018 | 5 | - | | | | | | |
| WA4 | P19 | 019 | 1 | - | | | | | | |
| WA4 | P19 | 020 | 3 | 1 | | 50 | | | 1 | |
| WA4 | P19 | 022 | 1 | - | | 50 | | | 1 | |
| WA4 | P19 | 024 | 1 | - | | | | | x | |
| WA4 | P19 | 026 | 3 | 1 | | | | | 3 | |
| WA4 | P19 | 028 | 1 | - | | | | | 3 | |
| WA4 | P19 | 030 | 3 | 1 | | 10 | | | | |
| WA4 | P19 | 032 | 1 | - | 7 | | | 3 | | |
| WA4 | P19 | 034 | 1 | - | 11 ; 18 | | | 5 | | |
| WA4 | P19 | 036 | 3 | 1 | 18 | | 18 | | | |
| WA4 | P19 | 038 | 1 | - | card | | | | | |
| WA4 | P19 | 040 | 3 | 6 | | | | | | |
| WA4 | P19 | 042 | 3 | 1 | 25 | | | | | |
| WA4 | P19 | 044 | 3 | 1 | 33 | | | | | |
| WA4 | P19 | 046 | 1 | - | | 7 | | | | |
| WA4 | P19 | 048 | 3 | 1 | | | | | | |
| WA4 | P19 | 050 | 3 | 1 | | | | | | |
| WA4 | P19 | 051 | 2 | 9 | | | | | | |
| WA4 | P19 | 053 | 1 | - | | | | 2 | | |
| WA4 | P19 | 055 | 3 | 1 | | 6 | | 40 | | |
| WA4 | P19 | 099 | 3 | 6 | | | | | | |
| WA4 | P19 | 102 | 1 | - | 18 | 18 | 18 | | | |
| WA4 | P19 | 104 | 3 | 1 | | | | | 4 | |
| WA4 | P19 | 106 | 1 | - | | 20 | | | | |
| WA4 | P19 | 108 | 1 | - | | 25 | | | | |
| WA4 | P19 | 110 | 1 | - | | 65 | | | | |
| WA4 | P19 | 112 | 1 | - | | 27 | | | | |
| WA4 | P19 | 114 | 3 | 1 | | 85 | | | | |
| WA4 | P19 | 116 | 3 | 1 | | 85 | | | | |
| WA4 | P19 | 118 | 3 | 1 | | | 150 | | | |
| WA4 | P19 | 120 | 1 | - | 20 | | | | | |
| WA4 | P19 | 122 | 1 | - | 80 | | 50 | | | |
| WA4 | P19 | 124 | 1 | - | 40 | | | | | |
| WA4 | P19 | 161 | 1 | - | | | | | | |
| WA4 | P19 | 163 | 1 | - | 50 | 3 | 3 | | | |
| WA4 | P19 | 165 | 3 | 1 | | | | | | |
| WA4 | P19 | 167 | 1 | - | 20 | | | | | |
| WA4 | P19 | 169 | 3 | 1 | | | | | | |
| WA4 | P19 | 171 | 1 | - | | | | | | |
| WA4 | P19 | 175 | 3 | 1 | 18 | | | | | |
| WA4 | P19 | 177 | 3 | 1 | 18 | | | | | |
| WA4 | P19 | 179 | 1 | - | | | 5 | | | |
| WA4 | P19 | 181 | 3 | 1 | | | 25 | | | |
| WA4 | P19 | 183 | 1 | - | | | | | | |
| WA4 | P19 | 185 | 3 | 1 | | | | | | |
| WA4 | P19 | 187 | 1 | - | | 30 | | | | |
| WA4 | P19 | 189 | 1 | - | 20 | | | | | |
| WA4 | P19 | 191 | 1 | - | 20 | | | | | |
| WA4 | P19 | 193 | 3 | 1 | 25 | | | | 1 | |
| WA4 | P19 | 195 | 3 | 1 | | | | | 0.3 | |

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| WA4 | P19 | 197 | 1 | - | 20 | 7 ; 14 | 3 | | | |
| WA4 | P19 | 199 | 1 | - | | 10 ; 20 | | | | |