FAUNAL ANALYSIS OF THE FORKS (WINNIPEG) (21K1 to 21K6)

BY PAMELA J. SMITH

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(21K1 to 21K6)

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Introduction

The 1984 excavations at the Forks (Winnipeg) yielded 29,487 faunal remains including approximately 5,397 fish scales. Most of the remains were recovered from the controlled excavations of Fort Gibraltar I (21K4 and 21K6) dating from 1810-16, and Fort Gibraltar II (21K3) dating from 1817. Some of the bones predate the fort occupation and were the remains of prehistoric encampments. Operations 21K1, 21K2 and 21K5 were tests which uncovered small numbers of bone.

All of the faunal elements were examined and identified as specifically as possible, including body part. Evidence of modification (butchering, artifact fashioning, utilization, burning, carnivore chewing, rodent gnawing and weathering) was recorded. Provenience information was retained and minimum numbers of individuals were calculated. The data is used to provide information on the butchering techniques and diet as well as seasonality and lifestyle indicators.

Method

The bone was received ready for analysis, having been previously washed and catalogued. The bone was counted and sorted. Evidence of any cultural and non-cultural modifications was recorded.

The unidentifiable pieces were examined and assigned to Class or Order whenever possible. Size ranges were used within taxons in order to reveal more about the species composition of the assemblage than simply reporting a mammal or bird would.

Large mammals refer to bear, deer, moose, elk, bison, horse, cow, pig, sheep and goat. Medium mammals range from muskrat to wolf, and include porcupine, rabbit, hare, river otter, fisher, fox, beaver and lynx. Small mammals include squirrels and small rodents. Large birds refer to crane, swan, goose, hawk, loon, heron and eagle. Medium birds range from Kingfishers to ducks. Small birds are of the size of sparrows and warblers. The medium/large and small/medium categories are used for fragments which cannot be positively assigned to one of the size categories.

The identifiable bone was tentatively identified and set aside for further analysis with the aid of a reference collection. Body part (including left and right data) was recorded for use in calculating minimum numbers of individuals. This information was also useful to see if dietary preferences for certain animal parts existed.

The identifications are reported using common names. The scientific nomenclature can be found in Table 1. Categories such as bison/cow/moose/elk and wolf/dog/coyote/fox were used for bones which were undiagnostic beyond those levels, often due to similarities between the species, incompleteness or poor preservation.

Identification of some elements to groups such as sheep/goat, walleye/sauger and mooneye/goldeye were as much a reflection of the incomplete reference collections as the difficulties in making distinctions. Unless all possible species skeletons are available for comparison it is usually unjustified to make a positive identification. However, habitat preference or size differences can sometimes be used to eliminate certain species.

Although reference books were used as an aid, identifications for the Forks fauna were not finalized until checked against a comparative specimen. When a bone matched one species but other possible species could not be eliminated, c.f. followed by the identification was used to indicate the bone is like the species given, but the identification was not positive.

Results

The assemblage contained approximately 29,487 pieces, and 28,222 (95.7 per cent) were identified to the level of Class or beyond. Fish scales were estimated to number 5,397 and despite attempts to identify them, their poor condition made it possible only to assign them to class. Of the 24,090 bone and shell remains (excluding the fish scales), 2,379 (9.9 per cent) were identified to order, and 1,795 of these (7.5 per cent of the total) were taken to the family level or further. The faunal summary data by operation can be found in Table 2. Table 3 reveals the relative proportions of the different classes, also by operation. The faunal data for each operation by sub-operation is contained in Tables 4 through 9.

Two specimens from the sample have not been included in the faunal data. These are: an almost complete adult human (Homo sapiens), right third metatarsal (foot bone) from 21K6Q4; and a calcined fragment of an appendage from the chitonous exoskeleton of a member of the class Crustacean, Phylum Arthropoda, from 21K3A7.

Phylum and Class Descriptions

Phylum Chordata

Class Mammal

Mammalian remains represented 30.7 per cent of the total assemblage. Most of the mammal bone was from large mammals. Still, a variety of species was represented and beaver, muskrat and hare appeared particularly significant.

Both domestic and wild species were present, with the domestics being found predominantly in 21K3 and 21K4. Sixteen domestic bones were identified from 21K3 from sub-operations A,C,G and M. There were 31 from 21K4 from sub-operations A,B,G,K,M,R,S,U,V and Y. 21K6 yielded only six domestic bones and these were from sub-operations A,E,N and Y. A single bone from 21K2, sub-operation A, was identified as cow. However, because 61 of the large bovid bones could not be differentiated, they were reported as bison/cow. Therefore, it is possible that more of the sub-operations contained domestic species because some of the bovid bones would likely be cow. These bovid bones were found in many sub-operations which otherwise had no domestic representation: 21K3C,H,J,L and Y; 21K4C; 21K6C,F and P; and 21K1A.

Sheep and goat are very similar osteologically and only certain elements could be distinguished. Possibly records from the fort might indicate which species were present.

Rabbit and hare bones were difficult to assign to species on the basis of osteological characteristics. However, based on the time period and range information the Leporidae bones at the Forks were likely snowshoe hare (Lepus americanus). According to Banfield in The Mammals of Canada (1981:83), "The snowshoe hare is undoubtedly the most important small game mammal of Canada" and the white-tailed jack rabbit and eastern cottontail did not spread north into Manitoba until after 1885 and 1914 respectively.

Class Aves

There were 1,464 bird bones, making up only 5 per cent of the sample. Still, at least 13 species were discovered, including domestic chicken from 21K3 E. Cranes, swans, geese, ducks and grouse were all excellent culinary fare.

It was difficult to discriminate between duck species, but whenever possible the duck bones were assigned to a size category using size ranges given in Avian Osteology (Gilbert & Savage 1981): large duck for the many species of the size of canvasbacks, mallards, and pintails; and small duck for those of the bufflehead and teal size.

The Whooping Crane bones were identified first as crane and then as Whooping Crane based on their extreme size and the measurements given in Avian Osteology (Gilbert & Savage 1981). The bones listed as simply crane belonged to either Whooping Crane or the Greater Sandhill Crane.

The grouse/prairie chicken bones were likely to be grouse because the Greater Prairie Chicken "apparently colonized southern Manitoba about 1880" (Godfrey 1876: 113).

The hawk bones all appeared to be Red-tailed Hawk (Buteo jamaicensis), but those fell into the same size range as hwainson's Hawk (Buteo swainsoni), which was a very common prairie bird. Because a comparative skeleton of Swainson's Hawk was lacking it is unjustified to report a positive identification of Red-tailed Hawk.

The single owl specimen found was checked against a number of species and appeared to be from a Snowy Owl (Nyctea scandiaca). However, since not all possible species could be checked the identification remains tentative.

Class Fish

Fish was the largest class with 56.2 per cent of the collection. Even subtracting the approximate 5,297 scales, which were often found by the hundreds and thousands and were likely from a small number of individuals, there were 11,161 fish as opposed to the 9,053 mammal. Yet these numbers actually tell little about the actual number of individuals present or their relative contributions to the diet. Obviously, two bison provided a lot more to the diet than 19 catfish did. Still, there were at least ten species represented, indicating that a variety of fish were utilized. Catfish was most common, both in number of pieces and in minimum number of individuals. followed by sturgeon in number of fragments only. However, it should be noted that these fish may be disproportionately represented because they were more readily identified than other species. Even the smallest fragment of a sturgeon scute can be recognized, but having a large number of scute pieces still did not allow a calculation of a minimum number of individuals of more than one for sturgeon. The catfish bones were less fragile and more apt to preserve intact than the bones of

goldeye, mooneye, whitefish, walleye, sauger and drum. In fact, most of the unidentified fish bones were fragments, although many were ribs and other hard to identify parts.

Class Reptilia
Only a single turtle bone was found: a small carapace
(shell) fragment from 21K3.

Class Amphibia

There were 560 frog or toad bones recovered. Most of these were from almost complete skeletons: probably seven from 21K6 (one each from ClO, Cll, Cl4, Cl5, Cl8, R5 and R6); and about two more from 21K3 (E3, G2, G3, L1 and L4).

Phylum Mollusca

Class Pelecypoda

Seven species of the arge freshwater clam were identified. Also, a small number of small fingernail or pea clams were included. Most of the elements of the bivalve category were valve fragments from large clams which lacked teeth or other identifying features. Most of the bivalves (360 of 507) came from 21K3.

Class Gastropoda

Of the 79 snails excavated, 71 of them were found in 21K3, principally from suboperations E and J.

Minimum Number of Individuals

The minimum number of individuals (MNI) for identified taxa were calculated from the skeletal element with the highest frequency, taking into account the side of the body it came from and the age of the animal.

Calculations were made for 21K1, 21K2, Fort Gibraltar II (21K3), Fort Gibraltar I (21K4 and 21K6) and 21K5 separately. These were then summed to give MNI values for all the areas, provided the areas were discrete. Overall values were also calculated for 21K1 to 21K6 without regard to provenience; these are absolute minimums, even if the independence of the areas could not be established. The MNI values for the mammals, birds, fish, and bivalves can be found in Tables 10, 11, 12 and 13 respectively.

Seasonality

Some species were available only at certain times of the year. Availabilities are given for species as they applied to the Forks based on the identifications in this report and range information. The season the food was consumed was not necessarily the same season it was procured. Fish caught in the fall could have been dried or smoked, and freezing in the snow would have kept foods in the winter. Also, the spawning season of fish was the time they were most readily available, but this does not preclude the possibility that some were caught by ice fishing.

Fish: Spawning Seasons

Spring

Northern Pike, Mooneye, Goldeye, Walleye, Sauger, Sturgeon, Sucker, Redhorse

Late Spring/Summer

Channel Catfish, Brown Bullhead, Blackhead

Summer

Freshwater Drum

Fall

Lake Whitefish

<u>Winter</u>

Burbot

Birds

Spring, Summer and Fall

Trumpeter Swan, Whistling Swan, Canada Goose, migrant nesting ducks, Mourning Dove, Passenger Pigeon, Swainson's Hawk, Red-tailed Hawk, Gull

Spring and Summer

Migrant nesting birds (except ducks)

Spring and Fall

Whooping Crane, Greater Sandhill Crane, Common Loon

Winter

Snowy Owl, Barred Owl

Year Round

Grouse, Domestic Chicken

Mammals

Spring, Summer and Fall

Black Bear

Winter Preferred

Fur bearers: Wolf, Lynx, Beaver, Muskrat

Year Round

Porcupine, Hare, Pig, Cow, Sheep, Goat

Reptiles and Amphibians

Summer

Turtles

Spring and Summer

Frogs, Toads

Diet and Butchering

A large variety of species was represented by the faunal assemblage. It would appear that use was made of the many available animal resources in the area. In addition to the domestic cow, pig, and sheep or goat, mammals included bear, wolf, possibly dog, lynx, fisher, otter, muskrat, beaver, hare and skunk, all of which were eaten. All were considered palatable but skunk came with the qualifier that it had to be carefully gutted. Apparently horses were only eaten when necessary, probably because they were too valuable (Hurlburt 1977). Although some of these species were represented by a small number of bones (sometimes only one or two), unless the bones came in on a skin, it was likely the meat was used. The whereabouts of the rest of the skeletons can be best accounted for by supposing the bone was either eaten by dogs, burned to a state of unidentifiable fragments, or contained in the soil in areas in and around the site which have not been excavated. Of course, it is likely that much of the skeleton of the large game mammals was never brought to the fort, but butchered where taken.

The bird, fish and bivalve species also indicated that a wide range of food sources were utilized, although, as with the mammals, the minimum number of individuals was low. Because of this it was difficult to attribute relative importance of the various foods to the diet. It can only be said that the assemblage indicates the bulk of the animal meat was provided by the large mammals.

The fauna recovered during excavations at the Forks revealed frequent evidence of butchering. Spiral fractures occurred on almost every large mammal bone as well as some of the smaller mammal bird remains. Although it is impossible to be certain that all of these fractures were the result of butchering, many revealed the percussion marks of having been deliberately hit. These had chop marks from which flakes of bone had been removed. Other bones exhibited saw marks and many had knife marks.

The large mammal bone were extremely fragmented. The long bone shaft pieces were rarely larger than one inch, and the articular ends were often broken but were more intact than the shafts. Fine cut marks appeared on some of the long bones near the articular ends or tuberosities. These were the result of defleshing cuts.

The large mammal ribs were often cut and snapped, chopped or sawn through into two or three pieces. Very few of the pieces which included the articular end were found. Most were mid or distal sections, and many had fine cut marks on them.

The scapulae had cut marks on the neck near the should joint and one had cuts on the spine. The spine and blade were frequently broken. The hips were very chopped up; the acetabulum was separate from the ilium, ischium and pubis. The phalanges were almost all split longitudinally. Few vertebrae but many vertebral processes were found, especially thoracic spinous processes. Those carried the much favoured hump meat. The carpals, tarsals, and sesamoids were intact.

Fewer of the small and medium mammal bones were broken, but some of those, as well as some of the fish and bird, revealed defleshing cut marks.

The deliberate breaking open of many of the large mammal bones would have had at least one purpose in mind.

These bones contained the marrow which was considered a delicacy. However, the bone did not need to be extensively broken as it was just to obtain the marrow. The smashing of the bones may have been for the production of bone glue or bone grease.

For the manufacture of bone glue, the inedible bones like carpals and tarsal were usually used (Hurlburt 1977), but those from the Forks were complete. It would be more likely, based on the pattern of breakage, that bone grease (bone butter) was being made. The butchering was very much like that found by Hurlburt (1977) at Fort White Earth which operated on the North Saskatchewan River in Alberta from 1810 to 1813. Hurburt makes a good case for the production of bone grease based on almost exact correspondence of the butchering with that of the Calling Lake Cree and with references from the fur trade which refer to the process and the use of the grease. The evidence from the Forks also fits this pattern.

When the numbers of the bones with cut, saw or chop marks was plotted on the Fort Gibraltar I (21K4 and 21K6) excavation map, it was apparent that three of the 40 sub-operations (21K4A,B and K) contained 31 of the 46 bones with cut marks, 31 of the 39 bones with saw marks, and six of the 13 bones with chop marks. These three sub-operations totalled 1,538 of the 6,480 bones from the two operations, making the above figures disproportionate, indicating an area of concentration. In these same three sub-operations, 74 of the 111 dog chewed bones were found, along with the only three fashioned artifacts and three of the seven potentially utilized flakes. The frequency of butchering marks by sub-operation is included in Tables 14 and 15. (A table with a more detailed distribution by lot is on file at Archaeological Research Services. Environment Canada, Parks, Winnipeg.)

Other Modifications

A large number of the bones had been burned, either scorched, charred or calcined depending on the extent of exposure to burning. Many also exhibited evidence of having been dog chewed or rodent gnawed, weathered, eroded or root etched. Twelve had been discoloured as a result of their proximity to some object in the soil; the green colour is probably from a copper artifact while the rust colour is probably iron oxide. Tables 14 and 15 give the frequencies of these modifications.

When plotted on the excavation map for Fort Gibraltar I (21K4 and 21K6), it would appear that the burned fragments were distributed throughout. However, they were concentrated in greater numbers in the area of the building (21K6). Almost all of the dog chewed bones were away from the building (21K4), with 74 of 111 coming from the three sub-operations 21K4A,B and K, which also had many of the butchered bones and artifacts.

Artifacts

A small number of deliberately fashioned artifacts were found. Two were fleshers (21K4Al and K12) made from a moose and an elk proximal left metatarsal. Two possible netting needles were found from 21K4B5 and 21K3L4. 21K3M7 yielded two artifacts: one thought to be part of a cup and pin game and another which might be a piece of sewing equipment. These are drawn in Figure 1. In addition, other bones exhibited evidence of having been used. These utilized flakes were polished or had chips removed from use.

References Cited

Banfield, A.W.F.

1981

The Mammals of Canada. University of Toronto Press, Toronto.

Gilbert, B.M., L.D. Martin and H.G. Savage 1981

Avian Osteology. Modern Printing Co., Laramie, Wy.

Godfrey, W.D.

1976

The Birds of Canada. Bulletin 203, Biology Series 73, National Museum of Canada, Ottawa.

Hurlburt, I.

1977

Faunal Remains from Fort White Earth N.W.Co. (1810-1813). Human History Occasional Paper, No. 1, Provincial Museum of Alberta, Edmonton.

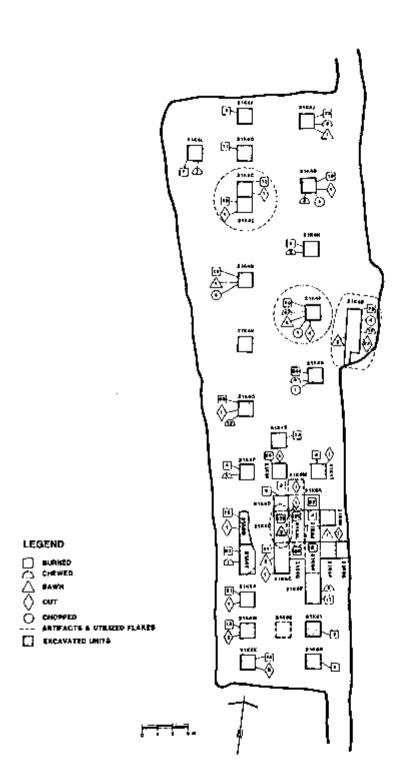


Figure 1. Distribution of modified bone at Fort Gibraltar I, 21K4 and 21K6.

```
PHYLUM
  CLASS
     Deden
        Family
                                     Common Name
           Ganus Species
CHORDATA
  MANPIAL IA
     Art lodestyle
        Bouldse
                                     American Bison
           Bison bison
                                     Bomestic Cou
           Bos taurus
        Suider
Sub-scrofa
                                     Domestic Sheep/Goat
                                     Domestic Pie
        Carvidae
           Cervus elaphus
                                     American Elk
                                     Noose
            Alces alces
            Odocolleus sp.
                                     Deer
     Perisodactyle
         Equidae
            Equus cabailus
                                     Domestic Horse
     Carnivora
        Unsidae
                                     American Stack Bear
           Ursus americanus
         Canidas
           Canis lugus
                                     Waif/Bog/Coyote/Fox
            CANTA SP.
        Fe i idae
                                     Lyny/Bobcat
            Lynx sp.
         Mustel idae
                                     Fisher
            Martes pennanti
            Lutra canadensis
                                     River Otton
                                     Striped Skung
            Maphitis maphitis
      Rojentia
         Erethizontides
                                     American Porcupina
            Erethizon dorsatum
         Muridae
                                     Muskrat
            Ondatra zibathicus
         Castoridae
            Castor canadensis
                                     American Beaver
      Lagomorpha
         Laporidae
                                     Hare
            Lapus sp.
   AVE5
      Anseriformes
                                     Goose/Buck
         Anatidae
            Glar buccinator
                                     Trumpater Swan
                                     Whistling Swan
            Ofer columbianus
            Branta canadensis
                                     Canada Goose
      Galliformes
         Tetraonidae
            Gallus gallus
                                     Domestic Chicken
                                     Prairie Chicken/Grouse
            Tetraoninae (subfamily)
      Falconiformes
                                     Hawk
         Accipitridae
      Columbiformes
         Columbidae
                                     Pigeon/Dove
      Gruiformes
         Gruidae
                                     Whosping Crane
            Grus americanus
```

Sandhill Crame

Table 1. Taxonomic list of identified remains.

Grus canadensis

```
CHORDATA (continued)
   AVES (continued)
     Charadrifformes
                                     Gull
        Laridae
     Gavilformes
        Gaulidae
                                     Common Loon
           Gavia Immer
     Strig[formes
                                     Quit
        Strieldae
   FISH
     Acipenser iformes
        Ac spenser idee
           Acipenser fulvescens
                                     Lake Sturgeon
      Amilformes
        Salmon idae
           Coregonus clupeaformis
                                     Lake Whitefish
      Clupatformes
        Hiodontidae
                                     Goldeye/Nooneye
           Miodon sp.
         Esoc idae
                                     Northern Pike
           Esov lucius
      Cypriniformes
        Catastomidae
           Cf. Catastomus
                                     Sweker
           Cf. Moxestoma
                                     Redhorse
         ictaluridae
                                     Channel Catfish
            ictalurus punctatus
                                     Catfish/Bullhead
            ictalurus se.
      Gadiformes
         GARIDAR
                                     Burbat
           . Lota lota
      Perciformes
         Percidae
                                     Walleye/Sauger
            Stizostedion se.
         Sciaenidae
                                     Freshwater Drum
            Aplodinatus grunniens
   REPTILIA
                                     Yuntle
     Chelonia
   AMPHIB1A
                                     Frog/Toad
     Agura
MODEUSCA
   PELECYPOBA
      Eulamellibranchia
         Un ton idae
                                     Three-Ridge
            Amblema placata
                                     Fat PMcket
            Lampsilis redieta
            Lampailis ventricosa
                                     Focket-Book
                                     Fat Nucket/Pocket-Book
            Lampsills sp.
            Liguma recta
                                     Black Band-Shell
                                     Maple-Leaf
            Quadrola quadrola
            Lasmigonia comelanata
                                     White Heel-Splitter
                                     Pink Heel-Splitter
            Propters slata
                                     Fingernail/Pea Clam
         Sphaerildae
   GASTROPBDA
                                     Sneil
         Mesogastropoda
```

Table 1 (Continued). Taxonomic list of identified remains.

FORKE FAUNAS	21K I	SIKS	SIKS	21K4	2165	5 (K\$	Total
Large Mammal	1		2491	591	2	157	3273
Medium/Large Planmal	ð	i i	2652	905	8	297	4056
Artiodactyl	ē	ø	8	29	ē	- 5	43
Bison/Com/Moose/Elk	1	2	13	15	9	4	33
B(san/Cou	ī	8	37	81	ě	ś	E 1
Sheep/Goat/Pig	a		- 1	e	ē	ė	1
Mose/Elk/Deer	Ð	ō	9	7	9	ž	•
Mosse/EIK	ē	I	12	- 20	ø	3	36
Dean	ō	9	ē	9	8	æ	0
Bison		6	14	4	Ð	3	21
Modae	ē	ě	3	3		ĩ	7
E1K	Ð	9	2	4	ē	ē	6
Horse	ē	ē	ē	é	ē	9	8
Cou	ā	- 1	ě	19	ě	Ð	13
Sheap/Goat	ā	ē	7	6	ě	4	17
Pip	ø	Ð	7	7	8	e	16
Carnivore	9	9	j		Ü	- 7	.0
Bear	9	ě	i	ĭ	ē	i i	3
Wolf	ě	ě	4	ė	ĕ	ó	4
Wolf/Dog/Coyote/Fax	Ð	9	10	13	ě	ě	25
Lynx	ð	ø	1	5	ĕ	ย	6
Fisher	ø	ø	1	7	ā	1	ý
Otter	ø	ø	0	ż	ø	6	ž
Beaver	ě	ě	21	26		23	70
Muskrat	ē	ě	107	1	ě		193
Porcupina	ē	ě		i	ě	ė	103
HAFE	ā	ě	72	18	ø	3	93
SKUNK	ē	Ð		ø	ø	ø	22
Medium Manunal	Ð	ě	111	67	ē	84	272
Small/bledium Nammal	,	ő	137	61	ø	31	238
Small Mammat	é	ø	7	18	20	10	35
Small Rodent	ē	ě	ģ	12	ě	4	25
Marmat	ē	ě	311	235	ă	18	554
	•	•	•••		•	,,,	4 94
tergo Birđ	ø	1	14	8	e	5	28
Medium/Lange Bind	ē	ø	646	47	0	4	697
Whooping Crane	e.	ē	4	ø	ē	ø	4
Sandhill Crame	ø	9	Ø	Ø	Ø	ē	
Crana	Ø	a	2	ø	9	ø	ž
Trumpeter Swan	0	ė	5	ø	ē	9	5
Whistiing Suan	Ð	9	2	ā	ē	ē	2
Swan		6	2	8	a	1	3
Swan/Goose	ø	e	e	1	a	6	ī
Canada Goose	ø	ø	ø	Ð	a	1	7
Goost	é	Đ	8	ð	e	ø	e
GOGS#/DUCK	Ð	е	6	Ð	Ð	Ð	6
Large Guck	Ð	ø	186	7	6	3	116
Small Buck	ē	ė	29	ė	3	3	32
Duck	ē	ē	8	4	ē	ē	19
Chicken	e	ø	2	8	8	ø	2
Prairie Chicken/Grouse	ē	ē	31	ī	9	Ī	33
Pigeon/Dove	ō	ō	6	i	ē	ē	7
6u11	ē	ē	2		ø	2	į
Laon	B	Ð	0	ī	ē	2	1
Hawk	9	9	3		ē	ē	4
Ou I		0	ē	ī	e	a	i
Medium Bird	ē	ě	14	ś	ĕ	ĕ	18
Small/Medium Bird	2	9	28	ē	ā	ē	25
Small Bird	ē	Ď	5	3	ě	ĕ	5
Bird	1	0	366	44	ø	18	432

Table 2. Faunal summary data by operation.

Forks Fauna!	216)	S1K2	21K3	2184	2165	2186	Total
Lake Sturgeon	Đ	9	156	35	ø	2	213
Laka Waitefish	ø	ø	6	1	ø	Ø	
Goldeye/Noneye	0	V	25	9	•	Ð	34
Northern Pike	e	Ø	6	5	0	0	ŧ
Sucker (Catastomus type)) 0	Ø	11	2	ø	1	14
Sucker (Moxostama type)	8	Ø	5	3	Ø	ø	8
Sucker	Ø	ø	25	10	ø	Ø	32
Channel Catfish	1	0	516	169	9	23	360
Catfish/Builhead	Ø	8	9	56	8	6	4!
Burbot	ø	ø	11	9	8	Ð	11
Walleye/Sauger	Ø	9	59	16	a	15	87
Freshwater Orum	8	•	94	Б	9	a	180
Flah	B	2	13513	1817	33	176	15649
Turtte .	0	ø	- 1	0	đ	ø	I
Frog/Toad	Ø	Ø	216	1	Ø	343	568
Three-Ridge	ø	0	21	0	a	Ð	εi
Fat Mucket	Ð	9	Э	2	ø	ø	3
Pocket-Book	肉	0	5	2	9	9	7
Fit Mucket/Packet-Book	2	Ø	2	1	ð	1	4
Black Sand-Shell	•	ย	Z	2	6	Đ	4
Maple-Leaf	9 .	8	í	•	8	Ð	1
White Heal-Splitter	ø	Ð	t	1	Ð	8	2
Pink Heel-Splitter	2	2	14	5	a	6	18
Fingernait/Pea Clams	0	9	Б	36	₽.	•	36
Bivalve	- 1	9	265	75	ø	53	413
Sna 1]	0	Ø	7 (8	ø	ø	78
Class Unknows	Ø	10	529	692	8	72	1562
Total	12	5	22943	5065	44	1415	29487

Table 2 (Continued). Faunal summary data by operation.

	≥ 1K1	SIKS	2183	2184	Z1K5	51ke	Total
Magina 1	ч	4	6243	2095	2	795	9053
1-12-11-11-1	(26.7)	(88.8)	(27.2)	(41.2)	(4.5)	(43.8)	(30,7.
Bird	1	1	1295	124	0	43	1464
Bild		(20.0)				(3.0)	(5.0
	9	ø	14229	2856	42	282	18556
Fish	_		(62.2)				
	ø	ø	1	ø	e	Ð	
Turtle		Ū	((0.1)	_	_		330.1
Frog/Toad	e	a	216	1	2	543	550
Progytoed	·	Ū	(0.8)	((0.1)		(24.2)	(1.3
B f. t. a	,	ø	350	116	o	38	567
Bioria	,	•		(2.3)		(2.1)	01.7
E 41	9	Ð	71	6	ø	a	79
Snail	•	·	(8.3)	(0.2)			(0.3
Class Unknown	ø	Đ	525	665		7ā	1265
CIASE UNKNOWN	·	2	(e.s)	(13.1)		(5.17	(4.3
Total	15	5	22943	5065	44	1415	29487
101=1		_					

Table 3. Class frequency and proportion (%) by operation.

Forms Faunal 21Kl	A	Total
Large Mammai	ŧ	1
Medium/Large Marnhal	ь	ø
Art iodsctyl	ø	ø
Bison/Com/Mouse/Elk	!	j.
Bison/Com	! 8	1 9
Sheep/Goat/Pig	9	9
Noose/El≪/Deer Moose/ElK	ě	ě
Dear	ē	ē
Bison	a	2
Moose	ø	e
EJK	ø	Ð
Horse	9	Ø
Cow	2	6
Sheep/Goat	9	O
Pig	ø	е
Carnivore	0	8
Bear	Ð	0
No. 1 f	9	e e
Welf/Dog/Covote/Fox	2 7	ø
Lynx Fisher	0	Ð
Oiter	ĕ	ø
Beaver	ō	D
Plusinat	2	o o
Porcupine	ø	0
Hare	ø	0
SKUNK	B	ø
Medium Nammal	ø	
Satally Ward (trans Mannes)	1	-
Small Nammal	0	
Small Rodent	0	
Namos 1	9	a
Large Bird	Ð	_
Medium/Lange Bird	9	_
Whooping Crane	0	_
Sandhill Crane	ø	-
Erane Trumpeter Swan	ø	_
Abistiles Swan	ø	_
SHAD	ě	_
Swan/02034	ø	. 0
Canada Goose	a	. 0
Gaose	6	. 0
Ggose/Duck	8	_
Large Duck	Ø	_
\$mall Duck	0	-
Quc*	9	
Chicken	2	
Prairie Chicken/Groute	9	
Pigeon∕Öove Guli	d	
Leon	ě	_
Hauk	ē	_
Ow 1	e	_
Medium Bird	6	
Small/Medium Bird	e	9
Small Bird	e	
Bird		

Table 4. Faunal data for 21Kl sub-operations.

Forks Fauna: 21x1	A	Total
Lake Sturgeon	Ø	Ø
Lake Whitefish	Ø	Ð
Galdeye/Mooneye	0	Ð
Northern Pike	Ø	Ð
Sucker (Catastomus type)	ø	9
Sucker (Moxostema type)	0	
Şuckar	0	Ø
Channel Cattish	1	- 1
Catfish, Bullhoad	ø	9
Burbet	9	9
Walleya/Sauger	8	•
Freshuater Drum	ø	•
Fish	8	8
Turtle	ø	ø
Frog/Toad	ø	Ø
Three-Ridge	6	Ø
Fat Mucket	Ø	•
Pocket-Book	ø	Đ
Fat Mucket/Pocket-Book	Ð	6
Black Sand-Shell	Ø	e e
Maple-Leaf	0	•
White Reel-Splitter	٥	2
Pink Heet-Splitter	9	ø
Fingerotil/Pea Clams	0	8
Bioalog	1	1
5 p. a. ()	۵	ø
Class Unknoun	ā	e
Total	15	15

Table 4 (Continued). Faunal data for 21Kl sub-operations.

Forks Faunal 2122	A	10tml
Lange Magmost	ı	1
Medium/Large Margori	1	
Artiodactyl	Q	Ø
Bison/Caw/Mose/ElK	•	Ø
Bison/Cow	0	9
Sheep/Goat/Pig	0	9
Mogse/Elk/Been	0	Ø
Moose/Elk	- 1	7
Dear	0	Ð
Bison	2	Э
rio o s e	Ð	0
Elk	ø	0
Horse	ø	2
Сом	1	- 1
Sheep/Goat	6	Ø
P19	9	а
Carnivore	Ð	8
Betc	ø	Ð
Wo I f	Ð	8
Wolf/Bog/Coyote/Fox	9	В
Lynx	•	Ð
Fisher	0	Ð
Otter	Ø	ø
Beaver	e	9
Misheat	ð	Ð
Parcupine	9	ø
Hans	ø	۵
Skunk	8	9
Ned Lum Manme)	ø	0
Small/Medjum Mammat	ø	0
Small Nammal	ø	ø
Small Rodent	Ü	e
Marrone 1	9	Ð
Large Sird	1	1
Medium/Large Bird	Ð	а
whooping Crane	ð	Ð
Sandhill Crane	ø	0
Cr≱n e	Ø	ø
Trumpeter Swan	0	Ø
Anistling Suan	0	ø
5 w 6 n	0	0
Swan/Goosa	Ø	ø
Canada Goose	Ø	Đ
300±±	ø	a
SOOSe/Duck	Ð	0
.arge Duck	ø	٥
Simel I Duck	Э	ð
SUCK	£\$	ы
Chicken	ð	ø
Prairie Chicken/Grouse	Ø	e e
iseon/Dove	ø	В
Bull	ø	ø
-oan	ø	ø
łauk	ø	B
1 wil	0	0
Hedlum Bird	Đ	ð
SMALL/Medium Bird	В	6
Small Bird	ĕ	ø
34r d	a	9

Table 5. Faunal data for 21K2 sub-operations.

Forks Fauna: 21k2	А	Total
Lake Sturgeon	ø	ø
Lake Whitefish	Ø	9
Goldeye/ Moonaya	Ø	0
Northern Pike	Ø	Ð
Sucker (Catastomus type)	0	0
Sucker (Noxostoma type)	0	ø
Sucker	0	ø
Channel Cattish	0	Ø
Cat+lah/Bullhagg	Ø	9
Burbot	Ø	Ð
Walleye/Sauger	ø	ø
Freshwater Drum	Ð	ø
Fish	ø	ø
Turtle	ø	0
Fros/Toed	6	Ð
Three-Ridge	а	8
Fat Mucket	Ø	ě
Pocket-Book	9	
Fat PRICKSt/Packet-Book	ē	8
Black Sand-Shell	ø	9
Maple-Lage	Ø	9
White Heel-Splitter	Ø	e
Pink Heel-Splitter	9	а
Fingernail/Pea Clams	0	ø
Bivalue	Ð	Ð
Snail	a	ø
Class Unknown	ø	Ð
Total	5	5

Table 5 (Continued). Faunal data for 21K2 sub-operations.

Forks Faunal 21KS	A	8	Ċ	D	E	G	н	,	к	Total
Large Mammal	513	234	730	61	251	53	89	431	18	2084,
New Indian Se Name	중중단	322	153	44	548	56	133	384	5	1555
Artiodacty1	3	ø	1	ø	2	ø	1	Ø	B	7
Bison/Com/Moose/Elk	7	ø	- 1	9	1	ð	Ø	1	1	11
Blson/Com	13	Ð	J	1	ø	1	1	*	В	25
Sheep/Goat/Pig	9	8	9	6	Ð	1	Ø	ø	Ø	1
Moose/Elk/Deer	Ð	0	ø	8	Ø	9	ø	Ø	ø	9
Moose/Elk	Э	1	ø	2	2	1	Z	0	9	11
Oe+r	ø	0	Ð	9	Ø	ø	· ·	Ø	Ø	ø
Bison	1	2	3	Ð	Ø	D	1	5	ø	440
Moose	:	•	8	Ţ	ø	9	•	l.	8	ંડ
E1≰	1	6	ø	9	1	Ð	Ð	0	9	2
Horse	Đ	ø	9	Ø	Ø	Ø	Ð	Ð	Ø	ы
Сен	Ø	8	0	Ð	Ð	1	Ð	0	0	1
Site 4 p / Go a t	3	Ð	Ø	3	•	9	•	Ð	Ð	6
Pig	2	Ð	e	Э	9	8	2	a	Ø	/
Carn (vore	•	Ð	1	Ø	0	ø	Ø	ø	9	1
54 kr	1	9	9	Ð	Ð	₽	ø	0	ø	1
Wolf	Ĺ	Ð	0	Ø	Ð	Ø	6	1	ø	5
Wolf/Jog/Coyote/Fox	1	ø	1	1	Ø	1	Ð	0	0	4
Lynx	Ø	Ø	8	4	0	•	ø	1	Ð	l.
Fisher	Ð	Ø	ı	Ð	0	9	8	9	Ø	1
Otter	e	Ø	0	Ð	ø	0	Ø	0	ø	Ą
Besver	2	ø	Ţ	L	4	4	7	2	0	15
Muskrat	50	2	9	Ţ	56	ə	Ţ	ı,	2	8 L
Porcupin =	₽	Ø	Ð	ø	ð	9	0	ð	а	40
Hare	5	6	4	1	29	2	3	5	9	52
Şkunk	1	9	0	9	0	ø	2	9	ø	7
Meditum Marwhall	6	9	94	1	5	Ð	Ø	Ø	Ø	106
Small/Medium Mammal	35	9	35	മ	24	9	Ø	9	1	80
Small Mammal	1	Ø	1	2	1		0	ø	Ø	5
Small Redent	2	5	a	a	- 6	2	. 0	8	ø	
Матина 1	37	12	2	0	58	2	17	43	5	176
Large Bird	5	5	Ø	L	2	Ū	ø	ø	9	140
Medium/Large Bird	135	9	Ø	5	272	ø	ə	10	ø	431
Whosping Crane	ż	0	2	Ø	2	Ø	ø	ø	ø	4
Sandhil; Crane	2	8	Ø	6	Ø	Ø	9	6	•	43
Crane	8	ø	9	ø		ø		Ð	9	- 1
Trumpeter Swan	ø	ð	9	9	2	9	2	ø	9	2
Whistling Suan	Ø	0	•	0	2	Ð	Ð	0	•	2
Supn	- 1	Ð	o	ø	а	Ø	8	ø	ø	- 1
Sµ⊋n/God≶#	Ø	ø	Ø	0	•	0	ø	•	•	И
Canada Goose	2	1	8	8	2	ن	9	0	ð	5
Goose	ø	•	3	₽	2	Ø	മ	L	•	6
Goose/Duck	0	1	3	1	1	ø	9	9	0	6
Large Duck	Z3	4	8	4	35	Ð	1	5	Ð	75
Small Duck	7	1	9	3	8	ø	9	2	Ð	15
Direk	3	Ω	1	•	Ð	Đ	9	•	0	4
Chicken	ø	Ð	Ð	•	2	8	ø	ø	•	è
Prairie Chicken/Grouse	8	Ð	ø	a	18	۵	0	Ω	ø	25
Pigean/Dove	Ð	ø	Ð	1	9	6	Ð	ø	ø	!
Gull	1	Ð	0	0	6	0	9	9	ø	ı.
Loan	Ø	8	ø	Ø	Ð	a	9	0	•	e
Hawk	9	Đ	8	ø	0	Ð	3	Ð	9	ä
Ou 1	0	9	2	8	Ø	9		2	8	0
Medium Bird	•	9		Ð	-6	0	0	ø		7
Small/Medium Bird	ø	2	9	•	22	Ð	e	æ	2	24
Small Bird	В	Ð		1	9		0	- 6	8	171
Bird	47	Ø	15	8	95	1	2	15	ø	171

Table 6. Faunal data for 21K3 sub-operations.

Forks Fauna: 21K3	n	В	c	D	E	6	н	J	К
Lake Sturgeon	33	3	t	1	€1	6	10	8	6
Lake Ahitefish	ø	9	Ð	Ø	Đ	9	Ð	2	ø
Goldeye/Moaneye	\$	1	5	0	3	3	7	4	Ð
Northern Pike	1	2	2	Ø	2	1	2	1	1
Sucker (Catastomus type) 1	Ð	2	ø	Ð	1	3	ø	Ø.
Sucker (Moxostoma type)	ø	1	2	Ø	0	ø	Ð	3	8
Sucker	9	Ø	4	Ø	1	3	1	3	Ø
Channel Catfish	64	- 1	6	18	34	4	1.1	29	23
Catfish/Bullhead	ø	ø	2	ì	1	9	z	Ð	Ø
Burbot	Ð	Ð	ø	ø	ð	4	Ð	a	8
Walleye/Sauger	(0)	Ð	Э	5	19	э	1	ø	Ø
Freshwater Drum	28	7	4	2	6	8	23	15	Θ
Fish	1059	155	386	166	1660	531	1354	5123	46
Turt1#	ø	Ð	Ð	0	1	8	0	9	Ð
Freg/Toed	0	ø	ø	1	19	127	ø	e	ø
Three-Ridge	4	ø	9	1	15	6	ø	0	4
Fat Mucket	l.	8	9	Θ	ø	6	0	9	Ø
Pocket-Book	1	0	Ð	9	8	ı	9	æ	Ø
Fat Mucket/Pocket-Book	0	Ø	Ø	Ø	1	e	6	1	Ð
Black Sand-Shell	2	ø	0	Ø	8	2	9	9	2
Maple-Lesf	1	8	Ð	9	9	Ø	9	Ð	В
White Heel-Splitter	1	อ	Ø	Ð	9	9	ø	9	0
Pink Heel-Splitter	Ē	2	2	Ð	2	1	2	2	Ð
Fingernail/Pes Ciama	1	0	L	Ð	9	4	Ď	0	Ð
Storios	33	4	3	1	137	16	€3	6	2
Sneit	ð	Đ	٥	0	9	£7	4	26	Ð
Class Unknown	63	5	34	Э	197	20	63	21	8
Total	2154	783	1435	357	3825	8 7a	1763	1616	104

Table 6 (Continued). Faunal data for 21K3 sub-operations.

Forks Faunas 21K3	Ł	p:	N	P	Y	Total
Large Planmal	37	278	29	20	41	5491
Medium/targe (lamma)	198	715	20	2	23	2552
Artiodacty!	台	1	ø	ø	Ø	6
Bison/Com/Moose/Elk	Ŧ	1	8	8	ø	13
Bison/Cou	1	2	В	Ø	5	37
Sheep/Soat/Pig	0	2	ø	ø	a	1
Moose/Elk/Deer	ø	Ø	8	ø	ø	ō
Moose/E)K	9	Ð	1	9	Ð	15
Deer	Ð	ø	9	ø	8	9
Bison	Ð	1	6	1	ē	14
Noase	9	8	ø	ė	ē	3
Elk	Ð	2	9	ø	ō	2
Horse	Ð	0	ø	0	ē	ō
Cou	ø	1	8	9	ø	ž
Sheep/Goat	e	1	ø	a	ē	7
Pis	0	ē	9	ð	8	7
Carnivore	Ð	8	9	ē	ē	
Sear	ē	е	ė	ē	ě	i
Welf	ē	ī	2	ī	õ	4
Wolf/Goo/Coyote/Fox	ē	5	-	é	1	10
Lynx		ē	a	ŏ	ā	1
Fisher	Ð	ě	ő	ย	ē	;
Otter	Ð	8	ä	ų.	ü	
Beaver	3	a	E E	ē	B	81
Muskrat	ă	28	2	9	อ	107
Parcupine	8	-8	Ð	ē	8	3
Here	11	6	1	õ	ē	75
Skunk		ě	å	õ	_	
Nedium Mamma:	1	4	a	ø	9	
Small /Ned pure Marrial	ė	42			a	111
Small Manural	1	42	3	0	a	137
Small Rodent	ð			0	G	7
idanyna 1			Ð	٥	ø	- 9
E-4# II-A-CB 1	\$ 5	50	Э	9	ø	311
Large Bird	Ð	4	9	•	Ð	14
Medium/Large Bind	8	215	ø	0	Ð	646
Whooping Crane	0	छ	Ø	ø	•	4
Sandhill Crane	0	0	8	ø	0	
Crane	6		0	8	8	8
Trumpeter Swan	9	3	0	Ð	ø	5
Whistling Swan	ø	ø	Ð	0	9	ě
Swan	2	1	ð	9	ø	2
Suan/Goose	Ð	9	0	8	Ð	0
Canada Goose	9	9		1		6
Go¢s•	ø	- 1	മ		ø	8
Baose/Buck	0	Ð	0	ø	a	5
Large Duck	e	27	ø	ā	4	196
Small Duck	0	10	Ø	а	e	23
Duck	6	4	Ð		ø	-6
Chicken	Ð	9	Ð	ě	ā	2
Frairie Chicken/Grouse	a	6	ē	ě	ē	31
Pigeon/Bave	a	5	ě	ə	ě	
Gull	ē	i	ß	ē	ĕ	ž
Laon	ě	ē	ø	ě	0	e
HIMX	ě	ē	В	ē	ð	3
O	ě	ě	ē	ě	ő	ð
Medium Bird	ě	7	ě	ě	9	14
Small/Hedjum, Bird	4	j	ē	ø	e	29
Small Bird	ė	i	ē	ě	ě	2
Bird	ĭ	32 1	ē	ð	ě	366

Table 6 (Continued). Faunal data for 21K3 sub-operations.

Forks Faunul 21K3	L	M	ы	₽	Y	Total
Lake Sturgeon	- 1	33	Đ	ដ	Ð	156
Cake Whitefish	Ð	Ø	ø	త	Θ	ø
Goldaye/Phoneye	1	8	Ð	9	6	25
Northern Pike	9	Ø	ઇ	ø	6	6
Sucker (Catastonus 1994)	3 I	1	Θ	Ð	0	ħΙ
Sucker (Moxostona type)	1	e	6	o.	Ð	3
Sucker	5	3	1	Ð	9	22
Channel Catfish	1	22	Z	3	ø	518
Cat≠ish/841thead	•	3	Э	Ø	ø	9
Burbot	6	Ð	1	9	Ð	1.1
Walleye/Sauger	5	7	1	ð	ē	53
Preshwater Drum		1.5	Ø	2	Ø	84
Fish	6633	2848	544	14	4	13613
Turtle	0	ø	Ø	Ð	ø	1
Frog/Toad	6 9	Ø	ø		Ð	516
Three-Ridge	9	ø	ø	Ð	Ð	51
Fat Mucket	Ð	2	ø	Ø	ø	3
Packet-Book	- 1	2	ø	0	•	5
Fat Mucket/Pocket-Book	Ø	8	Ø	ø	Ø	2
Black Sand-Shell	Ð	ø	9	9	9	2
Maple-Leaf	ø	0	2	3	2	1
White Herl-Splitter	ø	Ð	Ð	Ð	Ø	1
Pink Heel-Splitter	9	8	Ø	- 1	6	14
Fingernail/Pas Clams	ø	Ð	9	ø	萄	Б
Blustee	58	58	7	1	ø	335
Snaff	1	e	ย	9	Ø	71
Class Unknown	24	61	2	0	ı	566
Total	3058	4695	682	47	87	E2943

Table 6 (Continued). Faunal data for 21K3 sub-operations.

Forks Fauna: 21K4	ñ	В	C	В	E	F	G	н	,	ĸ	L
Large Mammal	36	211	14	4	3	1	23	14	6	50	4
Medium/Large Nammei	53	187	3	ø	30	1.1	26	4	26	63	Ġ
Artiodactyl	Ø	9	9	2	1	8	16	ø	ø	Đ	Ð
8ison/Com/Noose/Elk	Ø	6	0	ø	Ø	2	ı	8	Ø	2	Ð
Bison/Com	12	2	Í	0	Ð	ø	1		9	- 1	2
Shees/Gpat/Pig Modse/Elk/Oser	Ø	و م	0	e e	0	ø	•	ø	8	ø	9
Moase/Elk	8	8	1	8	5	9	e 1	7 50	9	1	0
Dear	ē	ē	ė	9	ē	ě			; 0	i Ø	0 0
Bison		1	ē	20	9	6		8	ē	9	9
Moose	1	ø	ø	ē	1	ē	9	ð	•	ø	ě
Ę1 ĸ	Ð	3	a	a	ø	e	3	0	ø	1	ē
Horse	8	3	ø	Ø	ø	ø	•	Ø	ø	2	9
Cou	1	Ð	ø	0	Ø	8	8	ø	a	9	ø
Sheep/Goat	3	ø	Đ	9	6	Đ	9	1	Ð	0	Ð
Pig Carnivore	0	Ø	a	ø	9	Ð	8	Ð	0	Ð	ø
Bear .	9 0	0	9	e o	Ø B	9	0	0	ø	•	Ø
₩o1 f	ø	é	8	0	9	ę	0	1	ø	đ	9
Walf/Gag/Coyete/Fax	Ð	4	6	ĩ	8	ø	0 0	3	8 8	9 8	9
Lynx	อ	Ð	ā	ė	ě	ō	ē	ø	9	ø	ø
Fisher	23	6	ø	ě	ē	ē	ũ	õ	ø	9	ē
Otter	0	Ø	0	Ð	e	ē	Ð	ē	ä	2	ē
Beaver	6	5	1	1	3	ø	4	1	ъ	a	ě
Muskrat	ø	Ø	ø	0	Ø	ø	ø	Ð	1	ø	ø
Portupine	ø	1	Ð	0	9	Ð	Э	Ð	a	a	ø
Hane	0	18	0	Ð	Ţ	ð	ø	Ø	ą.	4	€
Skunk Medium Mammai	0		a	Ð	B	a	Ø	a	Ð	ð	Ø
Swall Medical Memoral	9 6	15 45	3	a	8	ø		<u>.</u>	a	7	•
Small Mammal	9	3	9	a O	1	1	0	Ø	3	ø	1
5mail Rodent	ő	3	2	ā	é	Ð	T ē	0	g 1	0	6
Namera I	ē	49	19	16	6	42	é	9 1	5	i L	6
	-				-			•	-	•	•
Large Birg	ø	4	Ø	Ð	Ð	ø	ø	ø	6	0	1
Medium/Large Bird	6	17	ø	ð	0	6	2	6	ø	7	5
Whooping Crane	Ø	ø	Ð	Ð	•	ø	ø	Ø	ø	ø	ø
Sandhill Crane	9	9	9	Ð	ø	Ø	0	0	Ð	ø	a
Crane Trumpater Swan	2	9	0	6	0	ø	Ø	Ð	a	Ð	Ø
Whisting Swan	8	9	e e	0	ø	0	Ø	a	Ð	ð	Ø
Suan	8	Ö	a	e e	ව ව	a a	ə	Ð	ø	ø	9
Swan/Goose	õ	ø	a	ů	ě.	ō	Đ G	ð	0 0	ව	e S
Canada Goose	9	Đ	Ð	ð	õ	ð	3	ě	ē	e.	Ð
G0059	e	ě	ø	ō	ō	ě	e e	ē	ě	ě	Đ
Go⊙s∳∕Внск	ø	8	٥	0	Ð	a	ø	0	Ð	ě	ø
Linge Duck	ø	L	1	ð	a	•	ø	8	ø	L	Ð
Small Duck	9	0	9	Ð	ø	9	ø	8	ð	Ð	ø
Duck	8	1	Ð	Ð	ø	Ð	Ø	Ð	ø	1	1
Chicken	6	0	ð	ð	6	9	Ø	0	Ð	ರ	Đ
Prairie Chicken/Grouse Piscon/Gove	9	9	ø	ø	2	ø	a	a	Ø	ø	ø
Dull	ø	9 0	8	8	1	0	ð	٥	ð	0	ø
Loan	-	8	9	2	9	6	9	<u>Б</u>	9	6	Ð
Hauk	ē	8		0	6	0 B:	9	9 0	e e	í ø	ø
Del	9	ĭ		2	e		2	8	9	9	2
Medium Bird	8	é	8	8	ě	ē	9	ē	2	1	9
Small/Medium Bird	ø	2	ē	ē	ø	ē	ě	ē	9	ē	ē
Smalt Bird	1	ø	9	0	Ĺ	ē	ø	ē	ē	ē	1
Bird	Ø	12	3	3	4	3	3	ø	ø	Ð	8

Table 7. Faunal data for 21K4 sub-operations.

Forks Fauna 2184	A	8	c		E	F	G	н	ţ	ĸ	L
Lake Sturgeon	ø	19	L	2	- 1	Ð	9	Ð	9	14	Ø
take Whitefish	Ð	9	0	8	Ð	6	ø	0	Ð	ø	0
Goldeya/7-Koneya	2	5	Z	Ø	Ø	9	в	Ø	1	ø	ø
Northern Pike	9	9	e	2	1	9	Ø	Ð	ø	1	6
Sucker (Catastonus type)	Ð	2	8	Ø	Ø	ø	ø	0	Ð	Ø	ø
Sucker (Moxestoma type)	ø	Ð	e	4	ø	Ø	Ø	Ð	Ø	ø	ø
Sucker	2	2	ð	G	9	Ø	Ø	ø	ı	ਟ	Ø
Channel Catfish	ø	15	7	3	13	1	Ð	0	6	5	6
Catfish/Bullhoad	ø	Б	•	1	8	8	B	0	•	Ţ	٥
#urbot	Ð	Ø	Ð	9	ø	Ø	9	ø	e	ø	Ø 9
Walleye/Sauger	ø	8	ø	L	3	0	2	19	0	2	-
Freshwater Drum	Ð	1	l.	- 1	0	9	Ø	ø		1	0
Fish	3	247	220	83	242	63	36	7	163	153	76
Turile	ø	6	Ð	g	Ð	Đ	6	Ø	₽	ø	9
Freg/Toed	- 1	ø	6	ø	Q	Ø	ø	ø	D	0	B
Three-Ridge	ø	Ø	Đ.	ø	0	Ð	Ð	6	9	ø	Ð
Fat Mucket	Ð	ø	Ø	9	0	Ø	Ð	9	ø	ø	9
Pocket-Book	ø	1	Ø	Ø	9	ø	ø	ð	ø	0	•
Fet Mucket-Ponket-Book	Ð	8	0	8	Ø	Ø	ø	Ð	ø	1	e
Black Sand-Shall	0	ହ	Ð	ø	2	2	0	6	Ð	ø	Ð
Maple-Leaf	ø	Ð	Ð	Ð	9	ø	Ø	Ð	ø	Ð	9
um ite Heel-Splitter	Ð	Ð	ə	- 1	6	a	ø	ø	ø	0	9
Pink Reel-Splitter	ø	Ł	ø	ø	9	а	z	٥	1	Ð	1
Fingernati /Pga Clams	2	3	•	1	ø	4	4	Ð	15	Ð	ø
Bivalve	1	10	2	ø	4	1	3	Ø	6	7	2
Snail	a	2	4	a	Ð	1	ø	Ø	Ð	ø	ð
Class Unknown	a	114	66	87	68	48	5	4	42	23	e
Total	87	(055	355	Z05	423	203	136	38	257	338	199

Table 7 (Continued). Faunal data for 21K4 sub-operations.

Forks Faunat 21K4	14	и	P	a	R	s	т	U	v	W	Υ	Total
Large Mammal	26	18	1	38	24	15	4	48	10	7	33	59 1
Medium/Large Mammal	44	36	2	111	99	23	23	Ģ١	47	22	22	506
Artiodactyl	Ð	ø	턴	0	9	0	1	Ø	1	Ø	1	88
Bison/Com/Moose/Elk	0	4	Ð	Ø	0	Ø	6	Ø	6	ø	ø	15
Bison/Cou	Ð	8	ø	Ð	ø	0	0	Ø	9	ø	Ð	18
Shamp/Goat/F19	ø	ø	8	ð	9	色	0	9	9	0	0	6
Moose/Elk/Deer	e	0	0	ø	0	0	0	9	•	2	Ð	7
Moose/Elk	В	8 9	6 0	e e	0	3	9 0	6 0	9	9	0	20
Deer	9	2 5	10	6	0	9	1	9	0	1	1	0 4
Bisan Moose	ē	Ð	2	1	2	ă	ė		6	•	ó	3
Elx	ē	-	ē	é	ē	ē	ě	ē	ē	9	ē	4
Harse	9	ø	Ø	Ø	2	1	ē	Ø	ē	ē	ā	8
Con	Ð	ø	Ø	e	ø	a	0	2	ø	٥	B	10
Sheep/Goat	ø	6	Ø	Ð	0	ø	0	0	1	ø	- 1	6
Pig	1	Þ	9	0	Ð	Ð	Ð	5	ø	ø	- 1	7
Carnivore	9	0	6	ía	a	ø	ø	Ü	Ð	•	Ð	₽.
Bear	6	В	Ð	2	ø	ы	ø	2	ø	٠	凼	
Culo L f	ø	9	B	Ø	ø	ø	0	2	Ø	ø	Ð	Ð
Lbif/Dog/Cayote/Fox	6	Ð	0	Ø	2	3	8	0	ø	ø	0	13
Lynx	6	0	ø	3	0		0	7	0	8	43	5
Fisher	9	9	0	ı Đ	9	9	9	Ð	0	0	9	7
Otter	9	9	5 1	5	9	e e	8	8	9	1	ø	26 26
Seaver Nuskrat	9	ø	Ð	9	a	Ð	6	3	ø	8	ø	7
Porcupine	ø	9	2	2	ø	8	é	ă	ē	ă	Đ	i
Hann	Ø	ī	a	Ð	ø	ē	ě	อ	Ð	0	ā	18
Skunk	ē	9	В	ē	ē	ē	ē	Ð	Ø	ō	ō	ė
Medium Manmal	Ē	3	В	3	5	ē	4	7	ē	ē	3	67
Small /Medium Mammal	Ð	0	ð	0	ø	0	3	5	ø	ø	1	e†
Small Mammal	Ø	ø	ø	Ð	ı.	0	5	6	į.	Ø	3	81
Smali Rodent	Ø	Ø	8	9	Ð	Ð	3	6	9	ð	Ð	52
Magnine 1	Ø	ø	11	49	26	•	10	1	ð	L	2	235
Large Bird	1	ø	1	9	ø	ø	Ø	ø	0	ī	0	8
Medium/Large Bird	3	Ε	ø	9	ø	1	Ð	Ø	Ð	ø	a	47
Mhooping Crane Sandhill Crane	9	e e	8 3	e z	6 6	8	9 9	0 0	9 9	e e	9 2	e e
Crane	0	0	0	ø	9	ő	0	0	ð	6	ē	2
Trumpeter Swan	Ð	ø	a	Ð	ø	ě	ø	e	9	a	0	Ð
Linistling Swan	ě	ē	ø	ē	ย	Ď	ā	ē	ö	õ	ě	ě
Spar	ū	ĕ	4	g	ā	ē	ø	ø	ē	0	ě	ē
Subn/Goosa	ø	ð	Ð		Ð	ø	Ð	ø	a	1	а	1
Camada Goose	0	ð	Ð	0	Ø	Ð	Ð	Ø	6	Ð	Ð	Ø
Guosa	0	0	項	0	9	ø	ø	ø	ð	0	ø	ø
50010/Duck	ø	ø	Ø	Ø	Ø	0	2	0	9	ð	ø	9
Carge Ouck	Ð	0	Ø	ø	2	ø	0	2	3	Ĺ	1	7
Small Duck	0	ø	Ø	Ø	Ø	9	Ð	a	В	3	0	ø
Quek.		9	Ð	ø	Ø	8	•	Ð	a	a	ð	-+
Chicken	0	0	3	9	0	0	D	3	8	6	0	e
Prairie Chicken/Grouss	9	9	9	0	9	0	0	. 2	9	ø	i e	1
Pigeon/Cove Gull	0	9	a	9	6	9	6	e	8	B.	9	ė
Leen		9	6		a		e	8	9	6	ø	ĭ
Hauf	2	9	9		ē	ø	õ	ē	ø	·e	ě	ì
0=1	ė	Đ	6	ø	•	Ð	ě	ě	ė	ē	ē	i
Medium Bird	8	8	ø		ø	ø	ø	ē	0	ø	ø	3
Small /Medium Bird	0		ø		ø	e	•		ø	0	•	ø
Small Bird	9	8	0	ø	Ø	Ð		8	0	8	0	3
Bird	0	ø	7	3	4	0	ø	1	2	8	1	44

Table 7 (Continued). Faunal data for 21K4 sub-operations.

Porks Faunal ElK4	7.4	11	Р	0	R	S	Т	U	V	H	ľ	Tatai	
Lake Sturgeon	Θ	1	Ø	5	3	ø	•	Ð	Ð	Ø	Ð	55	
Lake Whitefish	6	Ø	Ø	9	9	6	Ø	ø	1	9	8	1	
Goldeye/Mooneye	ø	O	0	Ø	Ð	Ø	ø	1	Ø	Ø	ø	9	
Northern Pike	ø	0	0	0	Ð	0	0	Ø	Ð	ø	9	a	
Sucker (Catastomus type) Ø	0	ø	Ð		Ð	Ø	Ø	ø	0	8	2	
Sucker (Noxostoma type)	Ø	0	Ð	5	1	Ø	а	•	Ð	0	0	3	
Sucker	Ð	9	5	Э	•	9	Ð	•	ø	ø	ø	10	
Channel Catfish	8	4	2	13	10	4	3	4	2	1	2	109	
Catfish/Bullhead	0	0	ø	L	2	9	- 1	1	- 1	1	Ð	25	
Burbet	8	Ð	9	Ð	Ø	Ø	ø	e	Ð	٥	9	Ð	
Walleye/Sauger	ø	Ø	2	0	t	8	Ø	ø	Đ.	ø	ø	16	
Freshwater Drum	Ð	0	0	0		9	1	Ð	0	9	8	6	
Fish	74	22	24	144	124	15	60	16	4		8	1817	
Turtle	ø	ø	0	ø	Ð	ø	ø	0	ø	0	8	₽	
Frog/Toad	Ø	Ø	ø	ø	Đ	Đ	ø	Ð	ø	Ð	в	1	
Three-Ridge	ø	а	8	ø	и	ð	Ð	ø	0	Ð	Ø	ø	
Fat Mucket	ø	ø	0	9	Ø	ø	Ø	ø	· 6	6	ь	ø	
Packet-Book	മ	8	2	0	ย	8	Ð	1	ല	ø	3	2	
Fat Mucket/Pocket-Book	ō	a	- 0	9	0	ø		. 0	0	0	a	1	
Black Sand-Shell	Ø	в	Ø	ø	•	ø	69	΄ Θ	- 2	Ø	ø	2	
Maple-Leaf	ø	ø	2	9	9	ø	Ð	ø	•	ø	ø	9	
wasta Hael-Splitter	ø	Ð	Ð	6	ø	2	Э	0	. 0	e e	9	1	
Pink Heal-Splitter	ø	ð	0	•	Ð	0	0	Ð	a	a)	ð	5	
Fingernail/Pee Clams	ø	ø	Ø	8	1	Ø	Ø	Ð	Ð	Ü	ø	30	
Bivalve	Э	1	ð	5	3	Ø	3	12	2	ø	ø	75	
\$n#11	0	a	1	Ð	Ø	ø	ø	醇	ð	Đ	Ð	а	
Class Unknown	7	3	53	£ ¢	34	1	20	5	19	2	13	685	
Tatal	172	96	105	422	350	75	144	175	80	42	190	5665	

Table 7 (Continued). Faunal data for 21K4 sub-operations.

Forks Fauma: 2185	A	Total
Large Mammal	2	ē
Medium/Large Marma)	ē	9
Artiodactv1	8	ě
Bison/Com/Moose/Elk	9	ē
Bison/Cow	ě	ě
Sheep/Goat/Pig	ě	ě
Moose/Elk/Deer	ø	ē
Moosa/EiK	6	ė
Dwer	10	ē
Bison	Ð	ē
Moose	ø	ē
Elk	ø	ø
Horse	Ð	Ø
Con	9	0
\$h eep/G->at	Ð	Ø
Pig	Ø	Ð
Carnivors	Ø	a
日日本と	٥	9
iso 1 €	6	2
Welf/Deg/Coyota/Fax	Ð	Ø
Lynx	0	Ð
Fisher	Ø	Ð
Otter	Ð	ø
Beaver	ø	ø
Muskrat	9	Ø
Porcupine	9	Ø
Hare	ø	•
Skunk	Ð	Ø
Ned fum Mammaj	อ	ø
Small/Medium Mammal	ø	Ð
Small Manmal	9	9
Small Rodent Nammai	a	ø
	۵	Ø
Large Bird	ø	Ø
hedrum/Large Bird	8	Ø
Whooping Crane	Ø	Ø
Sandhill Crans	9	D
Crane Vocanita o E	ø	Ð
Trumpeter Swan	ø	В
Whistling Swan Swan	8	ø
ವಿಸ ತ್ತಿಗ ಿಡಿತಿರುಕ್ಕ	a	0
Canada Guore	Ð	ø
Goose	0	a
Goose/Tuck	o o	B A
Large Buck	6	9 0
Small Duck	ő	é
Duck	ě	ø
Chicken	ē	Ð
Prairie Chicken/Grouse	Ð	ě
Pigeon/Dove	ø	0
Gull	ø	ē
Laon	6	ē
Hauk	ě	ē
1 wO	ē	ē
Medium Bird	8	ō
Small/Medium Bird	ø	ė
Small Bird	ě	ē
Bird	e	ø

Table 8. Faunal data for 21K5 sub-operations.

Forks Fauna: 21K5	A	Total
Lake Sturgeon	Ð	ø
Lake onitefish	9	
Galdeye/Noneys	Ø	В
Northern Pike	9	6
Sucker (Catastomos type)	ø	ø
Sucher (Moxostoms type)	9	ø
Sucker	Ð	e
Channel Catfish	9	9
Catt(sh/Bullhead	0	2
Burbat	ø	8
Walleys/Sauger	Ø	Ø
Freshwater Orum	Ð	ø
Fish	33	33
Turtle	Ð	ø
Frog/Toad	6	Ð
Three-Ridge	В	e
Fat Mucket	ø	ø
Packet-Book	•	- 20
Fat Mucket/Pocket-Book	₽.	
Black Sand-Shell	ø	ø
Mapie-Leaf	ø	Ø
White Heel-Splitter	0	Ð
Pink Heel-Splitter	Ø	Ð
Fingernail/Pea Clans	Đ	æ
Bivatve	•	ы
Snail	ø	Ð
Class Unknown	ø	2
Total	44	43

Table 8 (Continued). Faunal data for 21K5 sub-operations.

Forks Fabiliar 2186	a	ε	٥	E	F	G	н	j	ĸ
Large Planmai	15	25	1	18	10	Z	2		4
Medium/Large Manmat	7	13	11	35	ΞĐ	3	12	;	
Artiodactyl	1	ŧ	Ø	ø	5	1	. 6	1	9
Bison/Cou/Moose/Elk	8	1	Ø	Ð	ī	Ð	ē	Ð	ě
Bison/Cou	ø	ŧ	ø	1	1	ē	ā	ē	ø
Sheep/Goat/Pig	0	ø	2	e	e	8	0	ē	
Moose/Eix/Oger	ø	Ð	0	哟	6	ø	Ð	p	ě
Moos=/Etx	ø	Ø	9	2	Ð	9	1	ā	0
Deer	Ð	ø	9	ø	B	ø	ø	€	ē
Bisan Maase	8	1	9	2	Ð	Ø	尋	Ø	9
E1K	9	Ø	Ø	Đ	8	0	Ø	Ð	Ð
Horse	9	ø	8	Ð	ø	8	ø	1	Ð
Cou	6	Ð	Ð	ø	Ð	2	Ð	ø	6
Sheep/Boat	6 6	Ð	٥	Ð	6	ø	a	ø	0
P10	ا	0	થે છ	3	•	Ø	Ð	0	Ð
Carnivore	6	0	5 5	9 9	9	Ð	Ð	2	٥
Bear	6	i	ø	ø	9	6 8	a	Ð	配
Wo I f	ย	₽	ē	ě	9	FQ FQ	⊕ ⊈	6 0	e
Wolf/Dog/Coyote/Fox	Ü	Ð	ě	ð	٥	9	9		. @
Lynx	ě	ē	อ	ø	ě	6	Ð	a B	Ð
Figher	ъ	a	0	ī	ē	à	o	อ	
Otter	ø	9	ø	ø	0	ā	ē	6	e e
64 avec	ð	Ø	3	3	15	ā	ő	ē	9
Muskrat	Ø	3	Ð	e	ø	ō	ě	อ	ě
Porcupine	ฮ	3	ਰ	8	Ð	a	ø	8	e
Hane	9	0	0	ø	ø	ð	ø	ð	ī
Skunk	ø	ø	Ð	9	9	Ð	Ð	Ð	ø
Med Jum Mammal	ð	7	Ð	1	51	13	3	ē	12
Small /ried turn Mammal	Ø	3	Ð	ð	ø	0	13	ø	ō
Small Manma!	5	5	а	Ø	8	ø	Ð	Ð	Ð
Small Rodent Nammal	L	Ð	Ð	2	a	3	Ð	3	a
	ð	a	2	10	Ð	6	Ø	Ø	Ð
Large Bird	a	1	ø	0	9	1	- 1	9	ə
Medium/Large Bird	ø	Ð	ŝ	1	ø	ø	ø	ø	à
Whooping Crane	9	Ð	Ø	Ð	0	a	Ø	Ð	ø
Sandhill Crane	ø	8	Ð	Ð	ø	ø	Ø	ð	е
Gr an∉	3	Ð	신	Ð	Ð	ė	ы	Ð	Ø
Trumpeter Swan Whistling Swan	ð	a	ð	Ð	ø	8	8	2	Ð
Share Murricular Share	Ø	Ð	Ð	ø	Ð	Ð	Ð	0	6
5wan/5004<	0 9	29 29	ა a	6 2	0	8	Ţ	0	Ø
Canada Gouse	9	3	2	Ð	2	Ð	a	Ð	Ø
Goose	ø	ø	Ð	Ð	0	8	ø	ø	ø
Goose/Duck	ø	ē	٥	ø	e e	Ð	Ð	Ð	ø
Lange Duck	ø	ĭ	ě	6	2	Ð	Ø	0	6
SIGNET OUCH	6	٥	ð	8	ē	ð	-	æ	a
Juck	ē	ø	ø	ō	ð	ũ	о b	3 8	ą g
Chicken	Ð	ē	9	ø	ě	2	ø	ë	č
Prairie Chicken/Grouse	а	1	ā	æ	ě	ā	e	ĕ	e
Pigeon/Dove	a	8	ø	а	6	Ð	Ð	ě	9
Gul 1	8	Ð	ø	ē	ā	ě	ø	ē	ē
Loon	8	Ð	8	8	2	ē	ø	9	ē
Hank	Ð	e	₽.	Ø	20	a	ē	8	ĕ
0.1	B	e	Ð	ø	Ð	Ð	2	Ð	ø
Medium Bird	0	Ø	ø	ø	6	Ø	ø	ø	ē
Small/Medium Bird	ø	ø	9	ð	Ð	ø	ø	6	0
Small Bird	6	8	ø	2	9	9	e	Ø	0
Bird	Ø	2	6	Ø	9	ø	5	9	3

Table 9. Faunal data for 21K6 sub-operations.

Forks Faunas 21K6	A	C	û	£	F	ច	н	J	ĸ
Lake Sturgeon	Ð	6	ø	ø	0	í	Ð	ø	Ð
Lake Willefleh	ε	ð	9	9	8	Ð	٥	6	Ð
Soldeys/Nooneys	9	а	9		ø	Ø	Ð	a	ø
Northern Pike	ø	ō	e	Ð	ø	8	•	6	ø
Sucker (Catastomus type)	0	1	ø	6	ø	a	છ	0	Ø
Sucker (Moxostoma type)	0	ø	9	ø	Ð	Ð	9	ø	Ø
Sucker	Ø	ø	Ø	Ø	6	0	0	ø	Ð
Channel Catfish	5	9	1	2	0	3	6	0	a
Catfish/Bullhead	8	0	Ð	9	6	อ	മ	a	0
Burbet	0	e	ø	ð	ø	9	e	Ð	Ð
Walleye/Sauger	ø	a	Ð	1	2	ø	Ø	- 2	e
Freshwater Orum	Ð	Ø	Ø	0	0	0	ø	Ð	ø
Fish	6	14	7	35	15	6	Ø	Ð	9
Turtia	ø	2	e	Ð	9	Đ	Ð	0	9
Fr og/Toad	1	ಪ ರಶ	1	ø	Ø	Ø	ø	e	ø
Three-Ridge	ø	ø	ø	a	٥	•	9	Ð	Ð
Fat Mucket	ø	Ð	ø	ð		Ð	ø	Ø	٥
Packet-Buok	Ø	a	0	Ø	ø	•	ø	ø	Ð
Fat Mucket/Pocket-Book	0	1	a	ø	a	0	6	ø	•
Black Sand-Shell	ø	0	ø	0	0	9	ú	Θ	ø
May 1 a - L p a f	Ø	Ð	9	0	ø	a	ø	9	Ð
UN 1ta Heas-Splitter	0	J	el el	턴	ø	Ð	Ð	Ð	4
Pink Heel-Splitter	2	ð	⋻	0	ð	e	ø	ð	Ð
Fingernail/Pea Class	粒	0	9	Ð	ø	Ø	а	ø	ø
Bivalve	0	3	í	11	2	ø	9	Ø	6
Snail	Ð	ø	2	ø	ø	ø	•	•	ø
Class Unknown	7	21	Ø	3	3	Ţ	ø	1	0
Total	49	369	25	123	96	27	38	a	34

Table 9 (Continued). Faunal data for 21K6 sub-operations.

Forks Faunal 2166	L	м	N	P	a	Ř	ş	Y	Total	
Large Mammal	36	4	49				_			
Medium/Large Hammai	73	13	58	9 2	16	1	2	0	167	
Artiodactyl	Ī		8	6	33 8	9	6	9	297	
Black/Com/Mocsa/Esk	Ð	ø	ĭ	8	9	- 1	9 2	0	6	
Bison/Cou	ø	Ø	ė	ĭ	ĕ	ė	ð	9	4 5	
Sheep/Goat/Pig	9	ø	6	a	9	ē	ē	9	ē	
Nogse/Elk/Deer	Đ	8	ź	ø	ø	ē	ē	ě	2	
Noose/Eta	Ð	면	ø	ø	ø	ø	9	ě	3	
Dexr	9	0	ø	ø	Ø	Ð	ē	ē	ø	
Bisan ******	e	в	ð	9	ø	0	0	ø	3	
Moose Elk	6	自	- 1	ø	ь	Ð	e	8	1	
Horas	1	台	Ø	ø	ə	ಲ	9	ø	2	
Con	£	Ø	ø	Ø	Đ	0	Ø	9	•	
Sheep/Goat	9 9	ð	9	9	ø	6	Ø	ø	ø	
Pig	ð	e e	Ø	•	9	Ð	0	4	4	
Carnivore	ĩ	é	6 1	0 Đ	٥	ø	8	Ø	5	
Bgar		ě	0	ē	0 9	0	Ð	Ø	1	
Mo 1 #	ě	ĕ	ø	ő	ø	9	9	Ð	1	
Wolf/Dog/Coyote/Fox	6	ø	5	ē	ě	ě	0	ø	Ð	
Lynx	อ	ē	9	ä	Ð	a	9	9	2	
Fisher	Đ	Ð	a	ě	2	9	ø	ě	6	
Otter	ø	Ð	9	Ð	ō	ě	6	9	é	
Beaver	1	Ø	4	9	ø	ē	a	ø	23	
Makrat	ø	Ð	ø	Ð	8	ī	ā	ē	1	
Percupina	9	Э	ø	ø	Ð	a	Ð	ě	ā	
Hare	ø	ø	2	8	8	6	a	ø	3	
Skunk	9	9	2	Ð	ø	ø	ø	0	Ð	
Nedium ésamma i	1-4	ø	7	ð	31	Ð	Ø	Ø	94	
Small/Medium Marmet Small Marmal	2	٥	3	0	4	Ð	٥	ø	31	
SMALL Rodent	0	ii O	Ø	Ĺ	Ø	ø	ø	ø	10	
Marmal	9 0	19 19	3	ē	ø	0	Ø	Đ	4	
	ę	O	1	Ð	1	Ø	Ð	0	81	
Large Bird	•	ø	2	ø	•	6	ø	в	5	
Medium/Lange Sind	Ð	a	e e	ø	ō	ē	ĕ	9	4	
Whooping Crame	ø	ø	Ð	ø	ē	Ð	ă	ĕ	ð	
Sandhill Crane	ø	ø	ø	ø	Ø	헏	ø	ē	6	
Crane	•	6	0	ø	ø	ø	Ð	ø	0	
Trumpeter Swan	Đ	е	0	ø	ø	a	ø	2	ð	
Whistling Sean Sean	9	9	Q	Ø	ø	2	Ð	Ø	ø	
Sean/Goose	6	0	ə	0	Ð	2	a	a	1	
Canada Goose	Ø	0 8	Ð	8	ø	Ð	9	ø	•	
G4010	a	Đ	Ð	ø	ø	e	ø	ø	Ţ	
Goose/Duck	ē	ē	9	Ð	0	0	ø	Ð	6	
Large Duck	ě	ə	ı	Ð	e e	Ø	0	ø	a	
\$mail Duck	e	Đ	è	ě		ø	1	0	3	
Duck	ī	ě	5	ð	9	e O	9 5	ø	3	
Chicken	ē	æ	8	ě	a	8	Ð	9	5	
Prairie Chicken/Grouse	a	Ø	ē	ĕ	Ð	٥	õ	9	ت ا	
Pigeon/Dove	B	9	6	ē	9	ē	ē	a	0	
Gul I	ø	ø	ě	ē	ě	6	ě	9	6	
Loon	Ø	e	ø	е	ē	ø	ě	ē	ě	
Hauk	ø	Ð	ø	Ð	ø	Ø	ē	ŏ	ø	
Out	Ð	ø	ø	ø	9	ø	0	•		
Medium Bird	0	B	ø	9	e	ø	ø	ē	ē	
Small/Nedium Bird Small Bird	ø	8	6	ð	0	Ð	ø	0	٥	
Bird	æ	0	Ø	Ð	Ю	9	Ð	0		
P T V	ø	Ø	8	Ð	2	0	a	8	19	

Table 9 (Continued). Faunal data for 21K6 sub-operations.

Fork's Fauna: 21K5	L	М	Ν	Þ	ø	R	5	Y	Total
Lake Stungeon	ø	ø	1	Ð	6	6	e	ø	г
Lake Whitefish	9	0	•	Ð	9	Ð	ð	Ø	Ð
Goldeye/Nooneye	8	9	ø	ø	ø	•	8	ø	0
Northern Pike	0	ø	0	ø	0	9	0	e	e
Sucker (Datastomus type)	ø	19	Ø	ø	Ø	Ð	Ø	ø	1
Sucker (Moxostoma type)	Ø	19	Ð	6	0	ø	6	Ø	9
Sucker	0	0	Ð	ø	8	ø	Ð	9	ø
Channel Catfish	ë	Ð	Ð	6	Ð	Ĺ	Ð	ø	23
Catfish/Bullhead	ø	8	ø	0	2	ø	Ø	ø	6
Burbot	9	එ	e	e	0	9	9	ø	ø
Matleye/Sauger	Ð	Ð	9	•	•	8	Ø	ø	12
Freshpater Drum	•	9	Ð	2	6	Ø	ø	Ð	0
Fish	9	4	58	Ð	7	15	2	8	173
Turtle	Ø	Ð	ø	Ø	ø	Ø	Ø	•	0
Frog/Toad	ø	0	ø	Ð	Ø	sı	ø	ø	343
Three-Ridge	ø	超	ø	a	a	ю	ø.	ø	ഉ
fat Mucket	Ð	G	Ø	ம	ø	2	9	6	Ø
Pockat-Book	0	Ð	ø	త	ø	ø	A)	Đ	Ð
Fat Mucket/Pocket-Book	Ð	6	Ø	Ð	Ø	Ð	в	2	1
Glack Sand-Shell	ø	Ø	ø		0	a	Ð	10	Ð
Maple-Leaf	Ð	6	ø	8	ø	ð	9	9	9
White Heal-Spiitter	ø	Ø	Ø	8	Ø	Ø	a	Ð	Ð
Pinx Heal-Splitter	Ð	G	Э	2	Ø	Э	0	ø	2
Fingernail/Pea Clams	ø	ð	•	e	ø	Ð	Ð	ø	•
Sivalue.	1.7	ė	9	Ø	1	Ø	ø	ā	23
Sneil	ø	ø	Ð	Ð	0	0	Đ	Ð	Ð
Class Unknown	3	ι	23	ð	3	ð	ə	ø	74
W1		==	3.1 =	r es			-		(A.15

Table 9 (Continued). Faunal data for 21K6 sub-operations.

			FORT GIBRALTER	FORT Gibralter			
í	21K1	21K2	21K3	I 8,4X15	21K5	Şuin	OVERALL 21K1-6
Horse	ē	ø	Ð	t	Ö	1	1
0180n	e	Ð	R/L scapula	1	6	z	2 R∕L scapula
Сеш	ø	1	1	1	ø	2	1
Mose	Ø	Ø	ı		Ð	2	1
Elk	Ð	đ	1	1	Ð	2	1
Pig	Ð	6	1	ı	ø	2	1
Sheep/Goat	Ð	æ	1	ι	ø	2	F 144177
Buar	٥	ø	1	1	۵	ż	1
Uo1 ₹	Ð	ø	ι	ø	ø	1	1
Wolf/Ogg/Coyete/Fox	ə	Đ	•	ı	8	₽	2 R humarus
Lynx	ø	ø	t	1	ø	2	1
Fisher	ð	ø	ı	1	0	2	1
atter	ø	Ð	ø	i	ø	1	1
Skuilk	Ø	Ð	1	ø	ø	1	•
Porcup Ina	ø	Đ	å	t	ø	1	ı
Beaver	ø	е	i	2 L femur	0	3	L femur
Muskrat	Ð	6	L tibia Lo	1	0	14	10 L tibie
Hara	ø	8	4 R tibi4	2 L tibia	9	6	4 R tibla

Table 10. Minimum number of individuals: mammal.

			FORT GIBRALTER II	FORT Gleralter 1			OVERALL
	21K1	atka	2163	2164,5	5185	54M	21K1-6
Mhooping Grane	Ū	Đ	1	Ø	ø	1	1
Toumpater Suan	0	ø	ι	۵	Ú	ι	1
Whistling Suan	ø	۵	ı	ø	a	1	ı
Canada Goose	ð	ø	1		Ð	2	1
Large Duck	ਰ	o	6 Rhjumerus	2 R bowerup	Ð	á	8 R humenus
Smæll Quck	Ø	Đ	3 U humerus	i	ō	4	3 L humanus
Prairie Chicken/Grouse	Ð	១	6 R tarsomet.	1	Ø	7	B R tarsomet.
Pigaon	Θ	Ð	1	1	Ð	ē	
Guil/Alcid/Shorebird	G	Đ	3 L tarsonet.	ø	ø	3	3 L tarsomet.
Hauk c.f. Red-tailed	ū	ø	1	1	Ð	2	1
O ut c,f. Snowy	ы	ы	Ð	i	4)	1	1
Conknum Loom	Ø	Đ	9		e	1	ı
Domestic Chicken	Đ	Đ	i	ø	ย	i	1

Table 11. Minimum number of individuals: bird.

	SIKI	SIKE	GIBRALIER	FORT GIGRALTER I 21K4.5		5wm	OVERALL
Leke Sturgeon	Ð	8	1	1	ø	2	1
Lake Whitefish	a	9	Ð	1	a	1	, 1
Gaidey∎∕Noaneye	ø			4 R operate		7	7 A speccie
Northern Pika	6	е	4 R dentary	1	Ø	5	4 R dentary
Sucker (cata)	o		A opencie	2 R opertie	ø	3	3 R opercie
Svcker (moxe)	อ		3 A maxilla		Ø	4	3 R maxilla
Channel Catfish	R cleithrum	Ø	11 6 dentary	8 L dentary	ı	Sī	19 L dentary
gurbęt	อ	Đ	3 010)11h		ø	3	etolith
Walleye/Sauser	Ø		3 R dentary		ø		4 R dentary
Freshwater Drum	Ð	Ð	J4 otolith	t	ø	15	15 etcl ith

Table 12. Minimum number of individuals: fish.

			FORT	FORT			
			GIBEALTER	GIBRALTER			
	74114	-	11	I			OVERALL
	Z1K1	ŞIKS	21K3	21K4,6	5182	Sum	51K1-\$
Three-Ridge	e	e	14	ə	ə	11	
			R Value	•	•	•••	R Value
Maple-Leaf	e	e	1	_			
		*	•	ð	ø	1	1
Fat Nuckat	_						
-at Mickey	ð	Đ	E L Value	е	ø	8	2 R Velve
							N 04104
Pocket-Back	Ð	Ð	S L Value	2 R Value	Ð	5	8
			D 4410E	K 44104			R/L Value
Black Sand-Shell	Ð	Ø	2	e	e	è	2
			R Value				R Value
inite Hael-Splitter	ø	Ð	1	1	ø	ź	2
				_	-		L Valve
Pink Heel-Splitter	Ð	Đ	6	4			
		-	L Value	R VAIVe	Ð	10	R Valve

Table 13. Minimum number of individuals: bivalve.

```
Chewed/
                                               Used Domestic Bould
     Burned Gnaued Eut Chopped Saun Eroded Artifact Flake Species (Comestic?)
 51K1
2162
21K3
        433
               12 6
       368
                9 27
        163
               19 2
        27
       191
                4 14
       370
               30 25
               15
       1[4
                2
               32 12
        45
                Ē
        ιż
               16 15
      ----
              ---
      1873
              170 146
2185
```

Table 14. Frequency of modifications, butchering marks, and artifacts, and presence of domestic species: 21K1, 21K2, 21K3 and 21K5.

		Cheund								
	Burned	មិលភាគព	Cut	Chopped	Sawn	Eroded	Antifact	Flate	Donéstic Species	Bould (Domestic?)
SIK4										·
H	3	15	5	1	22	3				
9	73	18		4	3	ė		1		
c	13		1	-	_	-	1	2	*	*
D	1.7							- 1		
E	10	1	ľ					1		
F	3					1		•		
G	10	5	- 1	1		•				
H	7	2		1					•	*
κ 1	22	3			1					
î	76	42	4	1	6	8				
м	7 31	7				3			•	•
N	16			4	4					
Þ	4	1							-	
•	ê5	15								
Fi.	35	4	1							
ş	25	-	•	1		1				
Т	-5		J.							
9	115		•		z					
v	38 -	Ł			-			1	£	
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	557	ιţē	40	13	38	32	3	ē		
SIKS							_	Ū		
é										
c	8 4 i									
0	- 6		1		2	17				*
E	17	3								-
F	25	1				4			•	
G	13	•	Í			2		1		
н	4		•			3				
J	4		1		1	ı				•
К	27		-		•					
L	126		1			1				
м	3		i			•				
Φş	31		1			9				
ρ						-			•	
۵	60									
R										
S										
Υ						- 1				
		-	-	-	-		-	_	-	
	36 I	4	6	8	э	36	Ð	Ł		

Table 15. Frequency of modifications, butchering marks, and artifacts, and presence of domestic species: 21K4 and 21K6.