

DEPARTMENT TRANSPORTATION - Env. Services
 Transp. Annex - Ext. 5781

Office Memorandum

TO : J. S. Reiersen
 Senior Landscape Architect

DATE: December 29, 1976

FROM : R. B. Doerr
 Highway Tech.

SUBJECT: Knife River Usage Study

Date : August 12-16, 1976
 Hours : 9 a.m. - 5 p.m.
 Weather: Thurs, Sat., Sun., - Partly Cloudy, cool
 Fri. - Lite Drizzle
 Mon. - Sunny Warm

Vehicles on mainline: 16,401
 Vehicles entering rest area: 238
 Percent of vehicles entering: 1.4%
 Average persons per vehicle: 2.8
 Average Length of Stay: 20.34 min.

Purpose for Entering

Rest Rooms	42%
Eat	30%
Other	12%
Just to rest	7%
View	5%
Use Trash Receptacles	2%
Water	1%
Travel Information	1%

Percent of Persons using Rest Rooms 63.5%

Percent of Vehicles Using

Trash Receptacles	43%
Picnic Tables	28%
Travel Information	15%

Direction Cars in Area were Traveling

Northbound	77%
Southbound	23%

Vehicles Entering

Passenger car with no trailer	67%
Passenger car with trailer	7%
Single Unit Truck	9%
Single Unit Truck with camper	9%
Semi	.5%
Bus	.5%
Bus Camper	3%
Other	4%

	<u>Vehicles Entering</u>	<u>Vehicles on Mainline</u>	<u>% Stopping</u>
Thursday	39	3,154	1.2%
Friday	35	3,291	1.1%
Saturday	64	3,682	1.7%
Sunday	56	3,540	1.6%
Monday	<u>44</u>	<u>2,972</u>	<u>1.5%</u>
Total	238	16,639	1.4%

R. B. Doerr
Highway Tech.

Attachment

The following parks, waysides, recreation areas, state and national forests and campgrounds between Duluth and Grand Portage were used by the people stopping at Knife River rest area from 8-12-76 to 8-16-76

Existing State Parks both Natural and Recreation Types and Waysides owned by the Department of Natural Resources (Parks)

- 1 a. Judge C. R. Magney
- 1 b. Kodonce
- 1 c. Devils Track Wayside
- 5 d. Cascade River
- 0 e. Ray Berglund
- 10 f. Temperance River
- 2 g. Cross River
- 0 h. Carlson Falls State
- 9 i. Baptism River
- 14 j. Split Rock Lighthouse
- 28 k. Gooseberry Falls
- 2 l. Floodbay State
- 0 m. George H. Crosby

Existing Recreation Areas

- 0 a. Rock Vole Habitat
- 2 b. Silver Cliff
- 0 c. Hawk Ridge
- 1 d. Minnesota Point
- 0 e. Tettagonehe State Park

State Forests and Sub Areas

- 2 a. Grand Portage (DNR-Forestry)
- 1 b. Pat Bayle (DNR-Forestry)
- 3 c. Finland (DNR-Forestry)

National Forest

- 21 a. Superior National Forest

Others

- 1 - Burlington Bay
- 1 - Independence T.H. 53
- 1 - Lutsen
- 1 - Thompson Hill Info.
- 1 - Lambs Camp Grounds
- 1 - Devils Track

State Waysides (Mn/DOT)

- 2 a. Grand Portage 1
- 4 b. Grand Portage 2
- 0 c. Hovland
- 3 d. Grand Marais 1
- 1 e. Grand Marais 2
- 3 f. Grand Marais 3
- 1 g. Grand Marais 4
- 1 h. Grand Marais 5
- 1 i. Grand Marais 6
- 0 j. Tofte 1
- 0 k. Tofte 2
- 2 l. Shroeder
- 2 m. Garibau River
- 1 n. Silver Bay
- 3 o. Palisade
- 2 p. Beaver Bay 1
- 3 q. Beaver Bay 2
- 0 r. Beaver Bay 3
- 0 s. Crow Creek
- 3 t. Flood Bay
- 238 u. Knife River - Site of Survey
- 4 v. French River

National Parks

- 3 a. Grand Portage Indian Reservation

Campgrounds

- 0 a. Judge C. R. Magney (DNR Parks)
- 0 b. Cascade (DNR Parks)
- 1 c. Temperance (DNR Parks)
- 1 d. Temperance (DNR Parks)
- 5 e. Gooseberry (DNR Parks)
- 0 f. Eckbeck (DNR Forestry)
- 1 g. Finland (DNR Forestry)
- 0 h. Kimball Lake (N.F.S.)
- 0 i. Devils Lake (N.F.S.)
- 1 j. Nine Mile Lake (N.F.S.)

MOUNT JOSEPHINE & KNIFE RIVER REST AREAS

USAGE SURVEY

DEAR MOTORIST:

THE MINNESOTA HIGHWAY DEPARTMENT IS DETERMINING WHAT SHOULD BE THE SPACING OF REST AREAS ALONG THE HIGHWAY AND THE FACILITIES THEY SHOULD PROVIDE TO SATISFY YOUR NEEDS. ONLY YOU CAN SUPPLY THE INFORMATION WE NEED TO PLAN REST AREA FACILITIES.

PLEASE ANSWER THE FOLLOWING QUESTIONS:

DAY OF WEEK _____ VEHICLE TYPE _____
 DATE _____ TIME IN _____ NUMBER OF PEOPLE IN _____
 LICENSING STATE _____ TIME OUT _____ VEHICLE _____
 _____ REST AREA USE _____

1. WHAT WAS YOUR CHIEF PURPOSE FOR DRIVING INTO THIS REST AREA? (check one)
- | | | |
|----------------------|-------------------------------|--|
| 1. ___ Use rest room | 2. ___ Use trash receptacles | 3. ___ Water |
| 4. ___ Just to rest | 5. ___ Get travel information | 6. ___ Telephone |
| 7. ___ Eat | 8. ___ View the area | 9. ___ Other _____
(please specify) |

2. HOW MANY PEOPLE IN YOUR PARTY USED THE FOLLOWING?

Rest room facilities _____ Drinking water supply _____

3. WHICH OF THE FOLLOWING FACILITIES WERE USED BY YOUR PARTY?
- | | |
|-------------------------|---------------------------------|
| 1. ___ Picnic table | 2. ___ Travel information board |
| 3. ___ Trash receptacle | 4. ___ None of these |

4. WHERE IS YOUR HOME BASE FOR THIS TRIP?

State _____ City or County _____

5. WHAT DIRECTION ARE YOU TRAVELLING?

Northbound _____ Southbound _____