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Department of Fisheries and Oceans

Small Craft Harbours Branch

September, 1979

VOLUME 11

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FOREWORD

This is the second of a three volume report prepared for the commercial fishing harbours study, Small Craft Harbours Branch, Western Region.

Volume 1 contains the main report.

This volume contains Harbour Development Data Sheets on all proposals received and the methodology used in completing cost estimates.

Volume three contains Harbour Inventory Data on all existing Small Craft Harbour facilities in Western Region.

B.T. MacDonell
Project Officer
Small Craft Harbours Branch
Dept. of Fisheries & Oceans
Western Region.

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APPENDIX 1

Harbour Development Data Sheets have been prepared for 28 capital projects and 8 Operation and Maintenance projects, more details on the projects are presented in Chapter 5 of the main report.

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SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Berens River Fish Plant

REVISED: _____

CONSTITUENCY: Provencher

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$) | CAP/O & M |
|------|----------------------------------|-----------------------------|-----------|
| | 1. Replacement, Fish Plant Wharf | \$138,000 | Cap. |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of an existing Fish Plant wharf.

The present wharf is the property of the Freshwater Fish Marketing Corporation, is in dilapidated condition and requires complete reconstruction to its present specifications. Failure to reconstruct this wharf would eventually make this fish plant unusable.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | LANDINGS | | |
|---------|-----------|---------|-------|-----------------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES |
| SMR. 74 | -- | N.A. | N.A. | -- | -- | -- | N.A. | N.A. | |
| SMR. 75 | -- | 60 | 60 | -- | -- | -- | 245,111 | 853,109 | |
| SMR. 76 | -- | 63 | 63 | -- | -- | -- | 332,757 | 831,399 | |
| SMR. 77 | -- | 66 | 66 | -- | -- | -- | 398,957 | 908,405 | |
| SMR. 78 | -- | 67 | 67 | -- | -- | -- | 338,582 | 985,386 | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

3

LOCATION: Berens River Fish Plant

REVISED: _____

CONSTITUENCY: Provencher

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|----------------------------|-------------------------------|-----------|
| | 1. Breakwater construction | \$150,000 | Cap. |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Construction of a breakwater to provide a sheltered area for

yawls to offload fish and berth on a temporary basis. The breakwater would

be built along a rock shoal 90 meters out, to the south-west of the plant.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | |
|--------|-----------|---------|-------|-----------------|---------|--------|---------|----------|---------|--|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES | |
| SMR.74 | | N.A. | N.A. | | | | N.A. | N.A. | | |
| SMR.75 | | 60 | 60 | | | | 245,111 | 853,109 | | |
| SMR.76 | | 63 | 63 | | | | 332,757 | 831,399 | | |
| SMR.77 | | 66 | 66 | | | | 398,957 | 908,405 | | |
| SMR.78 | | 67 | 67 | | | | 338,582 | 985,386 | | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

REVISID: _____

LOCATION: Big Black River Fish Plant CONSTITUENCY: Churchill

CLASSIFICATION: Commercial Fishing MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & II |
|------|-----------------------------------|----------------|------------|
| 1. | Replacement of a fish plant wharf | \$185,000 | Cap. |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of an existing Fish Plant Wharf.

The present wharf is the property of the Big Black River Co-op. Ltd. which is the agent for the Freshwater Fish Marketing Corporation at this location, is in dilapidated condition and requires complete reconstruction to its present specifications. Failure to reconstruct this wharf would eventually make this fish plant unusable.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | |
|---------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES |
| SMR. 74 | | 36 | N.A. | N.A. | | | 107,621 | 386,551 | |
| SMR. 75 | | 28 | N.A. | N.A. | | | 136,924 | 422,505 | |
| SMR. 76 | | 35 | N.A. | N.A. | | | 176,747 | 468,280 | |
| SMR. 77 | | 37 | N.A. | N.A. | | | 259,138 | 618,366 | |
| SMR. 78 | | 36 | 26 | 10 | | | 249,593 | 710,593 | |

SMALL CRAFT HARBOURS BRANCH

HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Catfish Creek Fish Plant
 CLASSIFICATION: Commercial Fishing

REVISED: _____
 CONSTITUENCY: Provencher
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|----------------------------------|----------------|-----------|
| | 1. Replacement, Fish Plant Wharf | \$ 88,000 | Cap. |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of an existing Fish Plant Wharf.

The present wharf is the property of the Freshwater Fish Marketing Corporation, is in dilapidated condition, and requires complete reconstruction to its present specifications. Failure to reconstruct this wharf would eventually make this fish plant unusable.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|---------|-----------|---------|-------|-----------------|---------|--------|---------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR. 74 | | N.A. | N.A. | | | | N.A. | N.A. | | |
| SMR. 75 | | 45 | 45 | | | | 141,112 | 499,617 | | |
| SMR. 76 | | 47 | 47 | | | | 201,119 | 504,727 | | |
| SMR. 77 | | 50 | 50 | | | | 215,070 | 486,356 | | |
| SMR. 78 | | 45 | 45 | | | | 175,746 | 496,248 | | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____

LOCATION: Dauphin River Fish Plant

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|---------|-------------------------------|-----------|
| 1. | | 80,000 | Cap |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Construct a marginal wharf to be used for unloading fish being delivered to a proposed new fish plant. The presently used structure is not constructed to withstand the ice breakup and is also not suitable for docking large vessels including a barge that will have to dock in this community for loading pulp wood.

STATISTICAL INFORMATION:¹

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR.74 | | 25 | 25 | | | | 32,058 | 114,787 | |
| SMR.75 | | 25 | 25 | | | | 36,459 | 116,122 | |
| SMR.76 | | 26 | 26 | | | | 38,150 | 98,081 | |
| SMR.77 | | 28 | 28 | | | | 39,423 | 92,738 | |
| SMR.78 | | 29 | 29 | | | | 60,307 | 144,818 | |

¹ The yawls and production listed is now split between two different unloading sites. Therefore, these figures may overestimate the use of

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Dawson Bay Fish Plant

REVISED: _____

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|-----------------------------------|-------------------------------|-----------|
| 1. | Replacement of a Fish Plant Wharf | 35,000 | Cap |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of an existing fish plant wharf with a new
 structure of crib and span construction, 3.7 metres by 24.4 metres. The
 present pile wharf constantly requires repairs to keep it in usable
 condition.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES |
| SMR.74 | | N.A. | | N.A. | | | N.A. | N.A. | |
| SMR.75 | | 16 | | 16 | | | 72,690 | 598,447 | |
| SMR.76 | | 16 | | 16 | | | 39,666 | 128,088 | |
| SMR.77 | | 17 | | 17 | | | 135,343 | 595,051 | |
| SMR.78 | | 16 | | 16 | | | 78,611 | 451,122 | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Denbeigh Point Fish Plant

REVISED: _____

CLASSIFICATION: Commercial Fishing

CONSTITUENCY: Selkirk - Interlake

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|----------------------------------|-------------------------------|-----------|
| | 1. New marginal fish plant wharf | 35,000. | Cap |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Construction of a timber crib marginal wharf, 3.65 meters by 24.3 meters
in front of the fish plant at Denbeigh Point to provide off-loading for up to 20
whitefish boats that deliver to this site.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|---------|-----------|---------|-------|-----------------|---------|--------|--------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR. 74 | | 4 | | 4 | | | 16,174 | 157,468 | | |
| SMR. 75 | | 2 | | 2 | | | 12,681 | 95,824 | | |
| SMR. 76 | | 3 | | 3 | | | 24,580 | 84,341 | | |
| SMR. 77 | | 11 | | 11 | | | 47,457 | 145,200 | | |
| SMR. 78 | | 21 | | 21 | | | 80,227 | 340,512 | | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____

LOCATION: Easterville Fish Plant
 CLASSIFICATION: Commercial Fishing

CONSTITUENCY: Selkirk - Interlake
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|---|-------------------------------|-----------|
| | 1. Replacement of a marginal unloading wharf. | 22,000 | Cap |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of a marginal wharf used for unloading 50 odd fishing yawls. The present wharf is in dilapidated condition and requires complete reconstruction. Failure to replace this wharf will result in great inconvenience to the fishermen as they will be forced to use another less suitable wharf and truck their fish into the plant.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|-----------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR.74 | | 61 | 59 | 2 | | | 171,220 | 673,947 | |
| SMR.75 | | 64 | 62 | 2 | | | 221,641 | 832,175 | |
| SMR.76 | | 59 | 57 | 2 | | | 311,292 | 1,011,906 | |
| SMR.77 | | 64 | 62 | 2 | | | 244,423 | 761,132 | |
| SMR.78 | | 66 | 64 | 2 | | | 238,345 | 884,442 | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____

LOCATION: Gimli

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Multipurpose

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|--------------------------------|-------------------------------|-----------|
| | 1. Extension to the Main Wharf | 237,000 | Cap |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

An extension to the north pier at Gimli. The extension would improve available berthing and help alleviate problems of congestion being caused by the increase in pleasure craft using the Gimli harbour.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR.74 | | 52 | 52 | 15 | | | 124,049 | 424,671 | |
| SMR.75 | | 70 | 70 | 15 | | | 162,005 | 497,855 | |
| SMR.76 | | 60 | 60 | 15 | | | 172,369 | 404,591 | |
| SMR.77 | | 83 | 83 | 15 | | | 370,870 | 734,510 | |
| SMR.78 | | 62 | 62 | 15 | | | 203,276 | 436,224 | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Good Harbour REVISED: _____
 CLASSIFICATION: Commercial Fishing CONSTITUENCY: Dauphin
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|---|-------------------------------|-----------|
| 1. | 30.48 m. extension of 2.4 m. wide marg. wharf | 35,000 | Cap |
| | 21.34 m. extension of 2.4 m. wide marg. wharf | 25,000 | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Two extensions to the existing marginal wharf at Good Harbour.

The harbour provides berthing and wharfage for up to 30 whitefish boats.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | |
|---------|-----------|---------|-------|-----------------|---------|--------|---------|-----------|---------|--|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES | |
| SMR. 74 | | 30 | | 30 | | | 153,297 | 1,781,282 | | |
| SMR. 75 | | 28 | | 28 | | | 206,828 | 1,777,860 | | |
| SMR. 76 | | 27 | | 27 | | | 174,532 | 449,247 | | |
| SMR. 77 | | 31 | | 31 | | | 338,905 | 1,369,538 | | |
| SMR. 78 | | 31 | | 31 | | | 303,279 | 1,710,855 | | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Gull Bay Causeway REVISED: _____
 CLASSIFICATION: Commercial Fishing CONSTITUENCY: Selkirk - Interlake
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|------------------------------|-------------------------------|-----------|
| 1. | Improvements to the causeway | 30,000 | Cap |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

The present harbour facility consisting of a gravel causeway constructed by the Gov't. of Manitoba has eroded. The result is that in low water years the fishermen must wade in with their catch. The nearest alternative landing site is 60 miles away by water. This project involves repairs to the causeway including the addition of protective rock and the installment of float wharves to facilitate unloading.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | LANDINGS | | |
|--------|-----------|-----------------|-------|-----------------|---------|--------|---------------------|---------------------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES |
| SMR.74 | | N.A. | N.A. | | | | N.A. | N.A. | |
| SMR.75 | | N.A. | N.A. | | | | N.A. | N.A. | |
| SMR.76 | | N.A. | N.A. | | | | N.A. | N.A. | |
| SMR.77 | | N.A. | N.A. | | | | N.A. | N.A. | |
| SMR.78 | | 14 ² | 14 | | | | 52,275 ² | 91,972 ¹ | |

¹Provincial statistics (Actual pounds)

²Estimated landed value.

SMALL CRAFT HARBOURS BRANCH

HARBOUR DEVELOPMENT DATA SHEET

13

LOCATION: Frog Bay Fish Plant
 CLASSIFICATION: Commercial Fishing

REVISED: _____
 CONSTITUENCY: Selkirk - Interlake
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & H |
|------|-------------------------------------|-------------------------------|-----------|
| 1. | Improvements to the breakwater | 33,000) | |
| | New marginal wharf | 15,000) 68,500 | Cap. |
| 2. | Replacement of the fish plant wharf | 20,500) | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

This harbour on the west shore of L. Winnipeg has inadequate berthing for the number of yawls using it. Improvements to this harbour would include building up the reef on the north side and construction of a marginal crib and span wharf along the reef. Failure to make improvements will result in continued inconvenience to the fishermen. The fish plant wharf will also have to be replaced.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-------|-----------------|---------|--------|---------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR.74 | | | | | | | | | | |
| SMR.75 | | 23 | 23 | | | | 51,923 | 184,456 | | |
| SMR.76 | | 24 | 24 | | | | 81,592 | 211,704 | | |
| SMR.77 | | 28 | 28 | | | | 111,942 | 251,775 | | |
| SMR.78 | | 31 | 31 | | | | 100,586 | 266,737 | | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

14

REVISED: _____

LOCATION: Koostatak Fish Plant

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|------------------------------|-------------------------------|-----------|
| 1. | Replacement Fish Plant Wharf | 57,000 | Cap. |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of an existing Fish Plant Wharf. The present wharf is the property of Koostatak Fisheries, is in dilapidated condition and requires complete reconstruction. Failure to reconstruct this wharf would make Koostatak useless as a home port for the few whitefish boats using it, would make transshipment from the other Koostatak Fisheries Plant impossible, and would result in high levels of inconvenience for the skiff fishery here.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | |
|---------|-----------|---------|------|-----------------|---------|-------|---------|----------|---------|--|
| | RESIDENT | LANDING | <35' | 35-50' | 50-100' | >100' | \$ | LBS | SPECIES | |
| SMR. 74 | | 35 | 35 | | | | 73,286 | 325,848 | | |
| SMR. 75 | | 27 | 27 | | | | 72,244 | 318,316 | | |
| SMR. 76 | | 33 | 33 | | | | 106,050 | 326,691 | | |
| SMR. 77 | | 29 | 29 | | | | 87,116 | 226,350 | | |
| SMR. 78 | N.A. | N.A. | N.A. | | | | 61,302 | 187,370 | | |

The fact that this wharf is located on an Indian Reserve creates a problem re public access.

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Matheson Island

REVISED: _____

CLASSIFICATION: Commercial Fishing

CONSTITUENCY: Selkirk - Interlake

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|-------------------------------------|-------------------------------|-----------|
| 1. | | | |
| 2. | Construction of a Rubble Breakwater | 150,000 | Cap |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Construction of a 81 m. by 26 m. rubble breakwater--

The proposed breakwater is needed to improve berthing in the Federal Small Craft Harbour at Matheson Island. The present harbour offers inadequate protection from wind and wave action. Failure to construct this breakwater will result in continued inconvenience to fishermen who will frequently have to pull their boats up on shore.

1

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | |
|--------|-----------|---------|------|-----------------|---------|-------|---------|----------|---------|--|
| | RESIDENT | LANDING | <35' | 35-50' | 50-100' | >100' | \$ | LBS | SPECIES | |
| SMR.74 | N.A. | | N.A. | | | | - | - | | |
| SMR.75 | 46 | | 46 | | | | 130,279 | 558,076 | | |
| SMR.76 | 51 | | 51 | | | | 210,855 | 562,020 | | |
| SMR.77 | 58 | | 58 | | | | 238,035 | 563,701 | | |
| SMR.78 | 43 | | 43 | | | | 195,239 | 560,618 | | |

² (Figures are for Islandview Del.pt. which is 1 mile by water from the harbour.)

HARBOUR DEVELOPMENT DATA SHEET

REVISÉD: _____
 LOCATION: Norway House Fish Plant CONSTITUENCY: Churchill
 CLASSIFICATION: Commercial Fishing MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|---|-------------------------------|-----------|
| | 1. Construction of a new fish plant wharf | 25,000* | Cap |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Construction of a wharf at the proposed new fish plant site at Norway House.
 Failure to construct a wharf at this site will cause inconvenience to the fishermen who will have to use other wharves in the community on the shoreline itself.

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | | FISHING VESSELS | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-------|-----------------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR.74 | | 51 | 51 | | | | 124,469 | 513,792 | |
| SMR.75 | | 50 | 50 | | | | 151,538 | 487,530 | |
| SMR.76 | | 56 | 56 | | | | 182,084 | 549,720 | |
| SMR.77 | | 53 | 53 | | | | 191,818 | 553,174 | |
| SMR.78 | | 53 | 53 | | | | 179,632 | 587,761 | |

¹ Playgreen Lake (includes Tait Island and Sandy Island Delivery Points)
 (most Fishermen deliver to Sandy Island at some time during season)

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

17

LOCATION: Odei River (Split Lake)
 CLASSIFICATION: Commercial Fishing

REVISED: _____
 CONSTITUENCY: Churchill
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|---------------------------------|-------------------------------|-----------|
| | 1. Install a float wharf system | 40,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Installation of a system of float wharves.

STATISTICAL INFORMATION:¹

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|--------|-------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECI |
| SMR.74 | | 14 | 14 | | | | 9,833 | 39,445 | |
| SMR.75 | | - | - | | | | - | - | |
| SMR.76 | | - | - | | | | - | - | |
| SMR.77 | | 20 | 20 | | | | 28,791 | 78,557 | |
| SMR.78 | | 15 | 15 | | | | 14,591 | 50,743 | |

¹ Figures are for Split Lake only 3 operators also deliver fish by plane from outlying lakes.

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

18

REVISSED: _____
 LOCATION: Pine Dock Fish Plant CONSTITUENCY: Selkirk - Interlake
 CLASSIFICATION: Commercial Fishing MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|------------------------------------|-------------------------------|-----------|
| | 1. Extension to existing SCH wharf | 70,000 | |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

A 15.8 meter by 5.9 meter exterior to an existing Small Craft Harbour wharf
 to provide more shelter for fishing vessels unloading and berthing at this site.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|---------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR. 74 | 54 | | 54 | | | | 173,207 | 788,678 | |
| SMR. 75 | 40 | | 40 | | | | 92,870 | 370,831 | |
| SMR. 76 | 23 | | 23 | | | | 113,653 | 300,679 | |
| SMR. 77 | 26 | | 26 | | | | 133,440 | 316,909 | |
| SMR. 78 | 23 | | 23 | | | | 107,828 | 315,306 | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____ 19

LOCATION: Riverton

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|---------------------------------|-------------------------------|-----------|
| | 1. Extension to existing wharf. | 70,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

An extension of 30 meters by 6.1 meters to the Small Craft Harbours Branch marginal wharf at Riverton to provide more berthing space for the 20 odd whitefish boats that use Riverton as their home port. The present wharf is also used heavily by a number of "transport" vessels.

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|-----|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR.78 | 20 | | | 20 | | | | | |

¹ Info. on number of fishermen and vessels from personal communication. Fish is generally not landed at the Government Wharf.

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Savage Island Fish Plant REVISED: _____
 CLASSIFICATION: Commercial Fishing CONSTITUENCY: Churchill
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|------------------------------------|-------------------------------|-----------|
| | 1. Replacement, Fish Plant Wharves | 130,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of existing fish plant wharves at the Savage Island Fish Plant or construction of a new wharf if the fish plant is relocated. The existing wharves are in dilapidated condition and require complete reconstruction. These wharves are essential to the operation of the fishery as the "Canso" aircraft, other aircraft and freight boats could not operate without them.

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|-----------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES |
| SMR.74 | | 70 | 66 | | | | 75,278 | 787,214 | |
| SMR.75 | | 147 | 141 | | | | 156,202 | 1,513,172 | |
| SMR.76 | | 194 | 182 | | | | 277,957 | 1,922,526 | |
| SMR.77 | | 185 | 174 | | | | 353,828 | 1,935,432 | |
| SMR.78 | | 160 | 150 | | | | 237,092 | 1,260,459 | |

¹ These figures are for the entire North Eastern section of Manitoba, and show all the production packed at the Savage Island Station

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

LOCATION: South Indian Camp 3
 CLASSIFICATION: _____

REVISED: _____
 CONSTITUENCY: Churchill
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|----------------------------|-------------------------------|-----------|
| | 1. Install one Float Wharf | 7,500 | -CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

This camp which is used by 30 fishermen for about one month in the spring has a 6.1 m. x .9 m. pole dock which is inadequate due to high water levels in the spring. A anchored float wharf is needed because of the fluctuating water levels. Failure to install a float wharf at this site will cause continued inconvenience for fishermen and the barge operator.

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-------|-----------------|---------|--------|--------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR.78 | | 30 | 30 | | | | 50,000 | 230,000 | | |

¹ These figures are estimates provided by personal communication.

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

22

REVISED: _____

LOCATION: The Pas

CONSTITUENCY: Churchill

CLASSIFICATION: _____

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & M |
|------|--------------------------|-------------------------------|-----------|
| | 1. Install a float wharf | 6,500 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | |
|---------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES |
| SMR. 74 | | 15 | 15 | | | | 30,874 | 125,980 | |
| SMR. 75 | | 15 | 15 | | | | 34,215 | 118,617 | |
| SMR. 76 | | 18 | 18 | | | | 25,522 | 59,823 | |
| SMR. 77 | | 18 | 18 | | | | 24,208 | 44,357 | |
| SMR. 78 | | 18 | 18 | | | | 25,712 | 69,439 | |

¹ The landings information is based on the assumption that 75% of the Saskatchewan River production is delivered to the fish plant by boat.

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

23

REVISED: _____

LOCATION: Traverse Bay

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST (1978 \$'s) | CAP/O & II |
|------|-------------------------------|-------------------------------|------------|
| | 1. Extension and improvements | 60,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Extend the 34.4 x 3.7 pile and crib wharf by another 30.0 meters to make the wharf usable under all water conditions. Improvement to include structures to protect berthing boats from wave action.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|---------|-----------|---------|-------|-----------------|---------|--------|--------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR. 74 | | 22 | | | | | 28,010 | 105,305 | | |
| SMR. 75 | | 14 | | | | | 17,007 | 59,334 | | |
| SMR. 76 | | 17 | | | | | 26,805 | 79,155 | | |
| SMR. 77 | | 18 | | | | | 43,044 | 89,202 | | |
| SMR. 78 | | 15 | | | | | 13,701 | 32,880 | | |

¹ Not all of these fishermen are using the wharf - some deliver the fish by truck from other sites.

SMALL CRAFT HARBOURS BRANCH

HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____

LOCATION: Victoria Beach

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Multi-purpose

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & II |
|------|------------------------------------|----------------|------------|
| | 1. Width expansion of the Approach | 27,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Width expansion of the concrete deck from 4.9 metres to

5.5 metres on the first 100 metres of the approach of the existing Small

Craft Harbour facility at Victoria Beach. This width expansion is

requested to better service the commercial fishermen using this wharf.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|---------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR. 78 | | 23 | 23 | | | | 71,147 | 138,546 | |

¹ Victoria Beach is not a delivery point. Individuals truck fish to Selkirk. These statistics are for Victoria Beach & Belair residents only, other fishermen also use the wharf but not i

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

25

LOCATION: Cumberland House, Saskatchewan REVISED: _____
 CLASSIFICATION: Commercial Fishing CONSTITUENCY: MacKenzie
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|--------------------------------|----------------|-----------|
| | 1. Fishermen's Unloading Wharf | 10,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Install a small wharffor the delivering of fish production from yawls to the
 new fish packing plant. Fishermen are presently using the beach.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-------|-----------------|---------|--------|--------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR 74 | | 22 | 22 | | | | 7,074 | 6,279 | | |
| SMR 75 | | 30 | 30 | | | | 17,080 | 35,090 | | |
| SMR 76 | | 33 | 33 | | | | 14,124 | 21,688 | | |
| SMR 77 | | 40 | 40 | | | | 17,916 | 23,166 | | |
| SMR 78 | | 32 | 42 | | | | 11,559 | 9,412 | | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

26

REVISÉD: _____
 LOCATION: Pelican Narrows CONSTITUENCY: MacKenzie
 CLASSIFICATION: Commercial Fishing MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|----------------------------------|----------------|-----------|
| | 1. Replacement Fishermen's Wharf | 45,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Replacement of an existing fish plant wharf. The present wharf is the property of Co-ops Fisheries Ltd. The wharf is in dilapidated condition and requires complete reconstruction to roughly meet present specifications. The new wharf would be crib and span construction.

STATISTICAL INFORMATION:¹

| YEAR | FISHERMEN | | | FISHING VESSELS | | | LANDINGS | | |
|--------|-----------|---------|-------|-----------------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES |
| SMR 74 | | 55 | 55 | | | | 82,714 | 457,962 | |
| SMR 75 | | 45 | 45 | | | | 97,560 | 444,698 | |
| SMR 76 | | 48 | 48 | | | | 114,368 | 469,286 | |
| SMR 77 | | 53 | 53 | | | | 157,646 | 547,532 | |
| SMR 78 | | 62 | 62 | | | | 127,362 | 503,471 | |

¹ Includes production by truck from Sandy Bay.

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

27

LOCATION: Sandy Bay

REVISED: _____

CONSTITUENCY: MacKenzie

CLASSIFICATION: _____

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|--------------------------------|----------------|-----------|
| | 1. Install a Fishermen's Wharf | 10,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-------|-----------------|---------|--------|--------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR 74 | | 4 | 4 | | | | 4,749 | 16,907 | | |
| SMR 75 | | 11 | 11 | | | | 6,402 | 26,669 | | |
| SMR 76 | | 3 | 3 | | | | 8,126 | 33,049 | | |
| SMR 77 | | 7 | 7 | | | | 16,614 | 58,799 | | |
| SMR 78 | | 16 | 16 | | | | 25,641 | 98,666 | | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Montreal Lake

CLASSIFICATION: Commercial Fishing

REVISED: _____

CONSTITUENCY: MacKenzie

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|--------------------------------------|----------------|-----------|
| | 1. Construction of Fishermen's Wharf | 25,000 | CAP |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Construct a timber crib wharf usable by trucks, about 4.6 metres wide by 15.2 metres long to be used by local fishermen and the general public.

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|---------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR 74 | | 27 | 27 | | | | 44,021 | 218,391 | |
| SMR 75 | | -- | -- | | | | ----- | ----- | |
| SMR 76 | | 29 | 29 | | | | 54,311 | 212,795 | |
| SMR 77 | | 24 | 24 | | | | 31,268 | 103,836 | |
| SMR 78 | | 17 | 17 | | | | 17,016 | 78,818 | |

¹ Includes fish production at Timber Bay, also

SMALL CRAFT HARBOURS BRANCH

HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____ 30

LOCATION: Balsam Bay

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|--------------------------|----------------|-----------|
| | 1. Pavement of the wharf | 30,000 | O&M |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

This multi-purpose wharf was constructed in 1979. These repairs are needed to improve and maintain the wharf. They are not required because of any difficulties experienced by fishermen at present; however, if the approach is not paved it will be washed away and result in great inconvenience for the fishermen who will not be able to use trucks on the wharf.

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|---------|-----------|---------|-------|-----------------|---------|--------|--------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR. 78 | | 9 | 9 | | | | 23,517 | 47,627 | | |

¹ Figures represent production of Grand Marais fishermen only, do not include any Beacania residents that use this wharf. Landings are in actual pounds.

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____

LOCATION: Easterville

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|---------------------|----------------|-----------|
| 1. | Repairs to the Deck | 54,000 | O&M |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Repairs to the deck of an existing timber crib fully ballasted wharf

located near the Easterville Fish Plant and providing berthing for some 50 odd yawls plus 2 whitefish boats. The repairs include new curbs, deck and stringers.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-------|-----------------|---------|--------|---------|-----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR.74 | | 61 | 59 | 2 | | | 171,220 | 673,947 | | |
| SMR.75 | | 64 | 62 | 2 | | | 221,641 | 832,175 | | |
| SMR.76 | | 59 | 57 | 2 | | | 311,292 | 1,011,906 | | |
| SMR.77 | | 64 | 62 | 2 | | | 244,423 | 761,132 | | |
| SMR.78 | | 66 | 64 | 2 | | | 238,345 | 884,442 | | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Leaf Rapids Fish Plant
 CLASSIFICATION: Commercial Fishing

REVISED: _____
 CONSTITUENCY: Churchill
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|--|----------------|-----------|
| | 1. Repairs to the deck of the Fish Plant Wharf | 12,000 | O&M |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Repairs to the fish plant wharf at Leaf Rapids including replanking of the float wharfs. Failure to make these repairs will eventually make the wharf unusable deterring delivery of fish by barge and float aircraft.

STATISTICAL INFORMATION: ¹

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|-----------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR.74 | | N.A. | N.A. | | | | N.A. | N.A. | |
| SMR.75 | | 57 | 57 | | | | 175,483 | 794,290 | |
| SMR.76 | | 104 | 104 | | | | 359,634 | 1,237,050 | |
| SMR.77 | | 145 | 145 | | | | 533,408 | 1,836,643 | |
| SMR.78 | | 147 | 147 | | | | 342,570 | 1,499,752 | |

¹ Includes production on out lying lakes, and on S. Indian and Opachuanau that is brought in by float planes and packer vessel respectively

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: McBeth Point Fish Plant

REVISED: _____

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|------------------------------|----------------|-----------|
| | 1. Repairs to the Breakwater | 130,000 | O&M |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Repairs are needed to the existing Small Craft Harbour Breakwater at
 McBeth Point. Failure to make these repairs will eventually result in the
 collapse of this breakwater exposing this Fish Plant site to wave and wind action.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|---------|-----------|---------|-------|-----------------|---------|--------|---------|----------|--|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | | |
| SMR. 74 | | N.A. | N.A. | | | | N.A. | N.A. | | |
| SMR. 75 | | 54 | 54 | | | | 139,590 | 585,248 | | |
| SMR. 76 | | 53 | 53 | | | | 187,088 | 470,966 | | |
| SMR. 77 | | 53 | 53 | | | | 234,129 | 522,588 | | |
| SMR. 78 | | 53 | 53 | | | | 173,436 | 430,816 | | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Riverton
 CLASSIFICATION: Commercial Fishing

REVISED: _____
 CONSTITUENCY: Selkirk - Interlake
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|----------------------------------|----------------|-----------|
| | 1. Repairs to the existing wharf | 30,000 | O&M |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Repairs are needed to maintain this wharf in usable condition for the extensive use it receives by large commercial fishing vessels and commercial transport vessels. The wharf is not important for fish landings but for use as a home port facility. The smaller yawls at Riverton use private docks.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | |
|---------|-----------|---------|-------|-----------------|---------|--------|----|----------|---------|--|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES | |
| SMR. 78 | 20 | -- | -- | 20 | -- | -- | -- | -- | -- | |

SMALL CRAFT HARBOURS BRANCH
 HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____

LOCATION: Victoria Beach

CONSTITUENCY: Selkirk - Interlake

CLASSIFICATION: Multi-purpose

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|-------|--------------------------------------|----------------|-----------|
| 83/84 | 1. General Operation and Maintenance | 35,000 | O&M |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

These repairs are provisionally planned by the regional staff for
 expected general maintenance and repairs in 1983/84.

STATISTICAL INFORMATION: ¹ Victoria Beach is not a delivery point
 Individuals truck fish to Selkirk.

| YEAR | FISHERMEN | | FISHING VESSELS | | | | LANDINGS | | SPECIES |
|--------|-----------|---------|-----------------|--------|---------|--------|----------|----------------------|---------|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | |
| SMR.78 | | 23 | 23 | | | | 71,147 | 138,546 ² | |

² These statistics are for Victoria Beach & Belair residents only, other fishermen also use the wharf but not in significant numbers.

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

LOCATION: Pinehouse Lake
 CLASSIFICATION: Commerical Fishing

REVISED: _____
 CONSTITUENCY: Battlefords
Meadow Lake
 MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|------------------|----------------|-----------|
| | 1. Wharf Renewal | 50,000 | O & M |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Planned replacement of deck and stringers, raising the level of the approach to
 to the wharf and removal of some large rocks adjacent to the face of the wharf.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | |
|--------|-----------|---------|-------|-----------------|---------|--------|--------|----------|---------|--|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES | |
| SMR 74 | | 10 | 10 | | | | 26,214 | 116,593 | | |
| SMR 75 | | 9 | 9 | | | | 38,322 | 170,452 | | |
| SMR 76 | | 9 | 9 | | | | 41,528 | 122,236 | | |
| SMR 77 | | 14 | 14 | | | | 81,303 | 279,683 | | |
| SMR 78 | | 9 | 9 | | | | 65,074 | 227,808 | | |

SMALL CRAFT HARBOURS BRANCH
HARBOUR DEVELOPMENT DATA SHEET

REVISED: _____

LOCATION: Faust

CONSTITUENCY: Athabasca

CLASSIFICATION: Commercial Fishing

MEMBER: _____

PROGRAM REQUIREMENTS:

| YEAR | PROJECT | ESTIMATED COST | CAP/O & M |
|------|------------------|----------------|-----------|
| | 1. Wharf Renewal | 175,000 | O & M |
| | 2. | | |
| | 3. | | |
| | 4. | | |
| | 5. | | |

PROJECT DESCRIPTION (PROJECTS >\$10,000);

Raising level of the wharf and possible hard surfacing of the wharf and parking area.

STATISTICAL INFORMATION:

| YEAR | FISHERMEN | | | FISHING VESSELS | | | | LANDINGS | | |
|--------|-----------|---------|-------|-----------------|---------|--------|--------|----------|---------|--|
| | RESIDENT | LANDING | < 35' | 35-50' | 50-100' | > 100' | \$ | LBS | SPECIES | |
| SMR 74 | | 41 | 41 | | | | 31,157 | 217,112 | | |
| SMR 75 | | 33 | 33 | | | | 22,046 | 125,401 | | |
| SMR 76 | | 30 | 30 | | | | 28,982 | 158,623 | | |
| SMR 77 | | 24 | 24 | | | | 32,953 | 188,996 | | |
| SMR 78 | | 37 | 37 | | | | 28,878 | 217,728 | | |

Lorimer Thompson
 A/Supervisor of Commercial Fishing
 Fisheries Management Branch
 Renewable Resources Division
 Dept. of Mines, Natural Resources & Environment
 1495 St. James Street
 Winnipeg, Manitoba
 R3H 0W9 Ph. 786-9476

Bill C. McLean
 Regional Director, Northern Region
 Department of Mines, Natural Resources & Environment
 P.O. Box 2550
 The Pas, Manitoba
 R9A 1M4

Archie O. Jordine
 A/Regional Director
 Regional Services
 Eastern Region
 Department of Mines, Natural Resources & Environment
 Bldg. 3 - 139 Tuxedo Avenue
 Winnipeg, Manitoba
 R3N 0H6 Ph. 895-5191

Stan Williamson
 Regional Director
 Western Region
 Dept. of Mines, Natural Resources & Environment
 Box 10, 27 2nd Avenue S.W.
 Dauphin, Manitoba
 R7N 3E5

CONSERVATION OFFICERS CONTACTED

Department of Mines, Natural Resources & Environment

| | | |
|--------------------------------|--------------|----------|
| Churchill | R. Dean | 675-8897 |
| Gillam | B. Wotton | 652-2273 |
| Thompson | J. McKay | 778-4411 |
| Wabowden | S. Brown | 689-2688 |
| Lynn Lake ¹ | Labousier | 356-2342 |
| Cranberry Portage ¹ | G. C. Paylor | 472-3331 |
| The Pas | J. Dean | 623-6411 |
| Snow Lake | G. W. Medd | 358-2521 |
| Grand Rapids | L. Brouzes | 639-2241 |
| Norway House | D. Allen | 359-6877 |
| God's Narrows | G. Norrie | 335-2366 |
| Riverton ¹ | K. Stewart | 378-2261 |
| | (Larry Ross) | |
| Winnipegosis | B.H. Brown | 656-4601 |
| Mafeking | E.A. Smelski | 545-2263 |

Mr. T. Paddock - recommended for his familiarity with Lake Winnipeg facilities
 1-Keystone Dr., Selkirk, Manitoba, Ph. 482-4594

¹ Head Conservation Officer not available, talked to another officer in leu of.

DEPARTMENT OF CO-OPERATIVE DEVELOPMENT

Vic Hyrsko
Chief Development Officer
Department of Co-operative Development
8th Floor Mall Centre
491 Portage Avenue
Winnipeg, Manitoba
R3B 2E7 Ph. 944-3682

Percy Villafana (Big Black River, Norway House, Dauphin River)
Alex Walker (Hole River, Wanipigow, Winnipegosis)
Al Charr (Norway House)
Jack Bauma (Matheson Island, Gimli Easterville & Grand Rapids)

DEPARTMENT OF NORTHERN AFFAIRSCommunity Services Division

Roger D. Stagg
Area Manager
Community Services, Southern Region
339A Main Street
Selkirk, Manitoba
R1A 1T3 Ph. 284-5091

John Wallace
Co-ordinator
Community Services
339A Main Street
Selkirk, Manitoba
R1A 1T3 Ph. 284-5091

Len Charles
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Community Services, Western Region
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John Rigaux
Co-ordinator
Community Services
Provincial Building
59 Elizabeth Drive
Thompson, Manitoba Ph. 778-4411

Rubert Nabess
Co-ordinator
Community Services
Box 2560
The Pas Ph. 623-7481

4

DEPARTMENT OF FISHERIES & OCEANS

Industry Services Branch

Don Kowal
District Manager

Inspection Officers: Reid Schindle
John Morphy

Rm. 112 - 153 Lombard Avenue
Winnipeg, Manitoba
R3B 0T4

R. Lewandisky
Thompson, Manitoba
R8N 0M5

Siggi Sigurdson
Resource Development Specialist
Dept. of Indian & Inuit Affairs
1100-275 Portage Avenue
Winnipeg, Manitoba 949-3713
(centrex)

Fishermen's Groups: Agents for the Freshwater Fish Marketing Corporation
and other Fishermen's Representatives.

1) Co-operatives

Ray Smith, President
Viking Co-op Ltd.
P.O. Box #1278
Gimli, Manitoba
ROC 1B0 Ph. 642-5274

Raymond Valiquette, President
Big Black River Co-operative Ltd.
Negginan P.O., Manitoba
ROB 0Z0

Helgi Einarsson, President
Dauphin River Fishermen's Co-op Ltd.
Gypsumville, Manitoba
ROC 1J0 Ph. Anama Bay 3020

Walter Mink, President
Easterville Co-operatibe Ltd.
Easterville, Manitoba
ROC 0V0

Francis Lavallee, President
Grand Rapids Fishermen's Co-op. Ltd.
Grand Rapids, Manitoba
ROC 1E0

Archie Budd, President
Norway House Fishermen's Co-op. Ltd.
Norway House, Manitoba
ROB 1B0 Ph. 359-6507

Russel Whiteway, President
 Matheson Island Marketing Co-op Ltd.
 Matheson Island, Manitoba
 ROC 2A0 Ph. Matheson Island 1020

Peter Thomas, President
 Traverse Bay Co-operative Ltd.
 Traverse Bay, Manitoba
 ROE 2A0 Ph. 754-2294

Alex Simard, President
 Wanipegow Producers Co-op Ltd.
 Manigotogan, Manitoba
 ROE 1EO Ph. 363-7272

Peter Maktkowski, President
 Winnipegosis Co-operative Fisheries Ltd.
 Winnipegosis, Manitoba
 ROL 2G0 Ph. 524-2319

2) Fishermen's Representatives on the Lake Winnipeg
 Management Advisory Board

Edward Isfeld
 Box 274
 Winnipeg Beach

Helgi Tomogsson
 Hecla Island, Manitoba

Gerald Valequette
 Negginan

Alvin Disbrowe
 Berens River Ph. 382-2227

Brian Monson¹
 Victoria Beach

Alex Simard
 Manigotogan

Henry Eimanson
 Anama Bay

Dave Kirkness
 Koostatak

Franklin Magnusson
 Princess Harbour

¹ Not contacted - contact at Victoria Beach was John Atelah and Peter Thomas.

3) Representatives on Lake Winnipegosis
Fisheries Management Board

Eldon Robertson²
Mafeking

Ray Fleming
Winnipegosis

Bill Billenduke
Winnipegosis

Parker Burrell
Mafeking

4) Agents for the Freshwater Fish Marketing Corporation
other than Co-operatives that operate in the Open-water
Season.

Paul Olson
Dockside Fish Products
Box 997
Gimli, Manitoba
ROC 1B0 Ph. 642-7484

Bill Billenduke
Denbeigh Point Fish Packers
Easterville, Manitoba
ROC 0V0 Mobile Op. 474-1443

New Chief (Garfield)
Old Chief (Lawrence Sinclair)
Jackhead Band Agency
Dallas, Manitoba
ROC 0S0 Jackhead 1012

Dave Kirkness
Koostatak Fisheries Ltd.
Koostatak, Manitoba
ROC 1S0

Parker Burrell
North End Packers
Box 112,
Mafeking, Manitoba
ROL 1B0 Dawson Bay 3011

Franklin Magnusson
Princess Harbour Fish Agency
Princess Harbour
ROC 2P0 Princess Harbour 1020

²Not contacted - Contact for Mafeking was Parker Burrell

Victor Sigurdson
Stefan Sigurdson
Clyde Sigurdson
Sigurdson Fisheries
Box 190
Riverton
ROC 2R0 Ph. 378-2456

Steve Sigurdson
Sigurdson & Dzydz
Arnes
ROC 0C0 Ph. 642-7651

G. G. Magnusson (Hnausa Plant)
Box 535
Riverton
ROC 2R0

Other Contacts

These people were contacted for information and suggestions regarding the following locations:

Camperville Ron Richards
Mayor of Camperville Community
Camperville, Manitoba

Loon Straits Edward Monkman
Fishermen
Loon Straits, Manitoba

Easterville Ed Miller
Manager
Easterville Fishermen's Co-op
Easterville, Manitoba

Dorothy Hilsenteger
Co-ordinator
Department of Northern Affairs
Box 2560
The Pas, Manitoba

Ralph Thomas
Deputy Mayor
Easterville Community Council
Easterville, Manitoba
ROC 0V0

Chief Percy Mink
Band Council
Easterville, Manitoba

Frog Bay

Albert M. Magnusson
 Manager of Frog Bay Station
 15931 Russell Avenue
 Whiterock, B.C.
 V4B 2S6

Gimli

A representative group of Gimli Fishermen
 Helgi Jones
 Siggie Sveinson
 G. Jacobson
 H. Olson
 Robert Kritstjanson
 Tod Kristjanson
 T. Olson
 Paul Olson
 David Olson

Grand Rapids (Gull Bay)

Chief Frank Turner
 The Grand Rapids Indian Band
 Grand Rapids, Manitoba
 ROC 1E0 Ph. 639-2219

Ken Homeniak (who built the causeway at Gull Bay)
 Local Contractor
 Grand Rapids

John Einarson
 Grand Rapids Whitefish Boat Operator

Little Grindstone

Kristine Gislason
 Fishermen
 Riverton Ph. 378-2953

Gull Harbour &
Hecla Island

Helgi Jones
 Fisherman
 Gimli

Helgi G. Tomasson
 Retired Fisherman
 Hecla

Matheson Island

Bill Bennett
 Director of Co-op.
 Matheson Island

Pine Dock

Charles Selkirk
 Fisherman
 Pine Dock Ph. 1020

Riverton

Norman Baldwinson
 Whitefish Boat Operator
 Riverton

Victoria Beach

John Ateah
 Fisherman
 Victoria Beach

Shoal River
(Pelican Rapids)

Mayor Joe Genaille Ph. 587-2349

Sydney Cook
 Fisherman
 Shoal River Band Officer Ph. 587-2012

Norway House
(Sandy Island)

Ted Paupanekis
 Vice President
 Norway House Fishermen's Co-op Ltd.
 Norwy House, Manitoba
 ROB 1B0 Ph. 359-6312

NORTHERN MANITOBA

Following is a list of the only active fishermen's groups in Northern Manitoba that I was made aware of by industry and government people I queried.

South Indian Lake Fishermen's Association
 President: William Dysart Ph. 374-2349

Brochet Fishermen's Association
 Contact: Father A. Daveau

Saskatchewan River Fishermen's Association
 Contact: Albert Ballantyne

Moose Lake Fishermen's Association
 President: Theo Sanderson Ph. 678-2161

PROVINCE OF SASKATCHEWAN

The jurisdiction over the fishery in Saskatchewan is split on a regional basis, with the Department of Northern Saskatchewan having responsibility over the fisheries north of a line that roughly parallels the 54° latitude line and the Department of Tourism and Renewable Resources having responsibilities in southern Saskatchewan. (See Map)

Department of Tourism and Renewable Resources

Merve E. Swanson
Fisheries & Wildlife Branch
Room 202, Prov. Gov't. Bldg.
Prince Albert, Saskatchewan
S6V 1B5

Department of Northern Saskatchewan

J. W. Clouthier
Director
Resource Management
200-48-12th Street East
Prince Albert, Saskatchewan
S6V 1B2

Ph. 764-6848

Pete Edwards
Director
Fisheries Division
Resources Branch
Box 5000
La Ronge, Saskatchewan
S0J 1L0

Bert Hunt
Fisheries Service
Box 5000
La Ronge, Saskatchewan
S0J 1L0

Ph. 425-2033

The Department of Northern Saskatchewan is divided into three management regions (see map). The following is a list of the Regional Directors and the resource officers contacted by location.

West

Stan Shannon
Regional Director
Buffalo Narrows, Saskatchewan
S0M 0J0

| | | |
|---|---|-------------------------------|
| <u>Buffalo Narrows</u> | Stan Shannon, Regional Director Box 152 Buffalo Narrows, Saskatchewan SOM OJO | Ph. 235-4301 |
| | Gene Bonneau Rick Stilling | Ph. 235-4301 |
| <u>Ile-a-la-Crosse</u> | Glen Conacher J. Daigneault Frank Bouvier | Ph. 833-2071 |
| <u>La Loche</u> | Duncan Campbell | Ph. 822-2033 |
| <u>Dore Lake</u> | Gilbert Simonot | Ph. 832-4503 |
| <u>Green Lake</u> | J. W. Keel ¹ | Ph. 832-2044 |
| <u>Beauval</u> <u>(Cole Bay, Canoe Lake)</u> | Les Oystryk ¹ | Ph. 288-2050 |
| <u>Creighton</u> | W. L. Richards Regional Director Creighton, Saskatchan Box 190 SOP OAO | Ph. (204) 687-3315 |
| <u>Cumberland House</u> ¹ | | Ph. 888-2077 |
| <u>Pelican Narrows</u> | Tom Laxdal | Ph. 632-2010 |
| <u>Sandy Bay</u> | Gary Reichter | Ph. 754-2066 |
| <u>La Ronge</u> | A. H. Duncan ¹ L. Galloway E. Reimer | Ph. 425-2033 |
| <u>Kinoosao</u> | P. Ashcroft ¹ | |
| <u>Wollaston</u> | John Elander | Ph. 633-2112 |
| <u>Southend, Reindeer L.</u> | Robert Olson | Ph. 768-2177 |
| <u>Stony Rapids</u> | Leah Burkett | Ph. 439-2062 |
| <u>Uranium City</u> | Peter E. F. Cochlin ¹ | Ph. 498-2158 |
| <u>Weyakwin</u> | Daryl Jessop | Ph. 663-5620 Res. 663-5871 |

¹Only contacted by internal means.

Industry Representatives

Larry Hunter
 Zone Manager
 Co-op Fisheries Limited (In Receivership to F.F.M.C.)
 28 - 15th Street W
 Prince Albert, Saskatchewan
 S6V 3P5

Dick Waite
 Waite Fisheries Ltd.
 Buffalo Narrows, Saskatchewan

DEPARTMENT OF FISHERIES & OCEANSIndustry Services Branch

H. A. Nordlund
 Saskatchewan District Manager
 Immigration Building
 15th Street & 1st Avenue E
 Prince Albert, Saskatchewan
 S6V 1E8 Ph. (306) 764-6424

W. R. Whiteford
 Officer-in-Charge
 Big River Ph. (306) 469-2333

L. A. Yaremko
 Officer-in-Charge
 La Ronge Ph. (306) 425-2412

R. Semchuk
 Officer-in-Charge
 Meadow Lake Ph. (306) 236-5828

FISHERMEN'S CO-OP'S & ASSOCIATIONS IN
 NORTHERN SASKATCHEWAN

Athabaska Native Fishermen Co-op.
 c/o August Mercredi
 Fond du Lac, Saskatchewan
 SOJ 0W0 Ph. 686-2102

Uranium & Camsel Fishermen Association
 C/o Phillip Stenne
 Camsel Portage
 c/o Uranium City, Saskatchewan
 SOJ 2W0 Ph. 498-2958

Beauval Fishermen's Co-op
c/o Peter Buffin
Beauval, Saskatchewan
SOM 0G0 Ph. 288-2131

Black Lake Fishermen's Co-op
c/o Chief Leon Cook
Black Lake
c/o Stony Rapids, Saskatchewan
SOJ 2R0 Ph. 439-2020

Buffalo Narrows Fishermen's Association
c/o Claude Bouchard
Buffalo Narrows, Saskatchewan
SOM 0J0 Ph. 235-4274

Canoe Lake Fishermen's Co-op
c/o Lawrence Yew
c/o Green Lake, Saskatchewan
SOM 1B0 Ph. 832-2100

Cumberland House Fishermen's Co-op
c/o Pierre Carriere
Cumberland House, Saskatchewan
SOE 0S0 Ph. 888-2035

Denare Beach Fishermen's Co-op
c/o Fred Shwaga
Denare Beach, Saskatchewan
SOP 0B0 Ph. 362-2123

Dore Lake Fishermen's Co-op
c/o Rod Laliberte
Dore Lake, Saskatchewan
via Big River, Sask.
SOJ 0E0 Ph. 832-4405

John's Fishermen's Co-op
c/o Joseph Black
Patuanak
via Ile-a-la-Crosse, Saskatchewan
SOM 1C0 Ph. 396-2104

Ossey Fishermen's Co-op
c/o Oscar Beatty
Deschambault Lake, Saskatchewan
SOP 0C0 Ph. 632-4425

La Ronge Fishermen's Co-op
c/o A. J. Carlson
La Ronge, Saskatchewan
SOJ 1L0 Ph. 425-2203

Pelican Narrows Fishermen's Co-op
 c/o Peter Linklater
 Pelican Narrows, Saskatchewan
 SOP OEO

Pinehouse Fishermen's Co-op
 c/o Dick Hanson
 Pinehouse, Saskatchewan
 SOJ 2B0

Reindeer Lake Fishermen's Co-op
 c/o Roderick Clark
 Kinoosao, Saskatchewan
 SOJ 1J0

Sturgeon Landing Fishermen's Association
 c/o Leo Levoie
 Sturgeon Landing, Saskatchewan
 SOP OH0

Welcome Bay Fishermen's Co-op
 c/o Pierre Besskaystare
 Wollaston Lake, Saskatchewan
 SOJ 3C0

Wapawekka Fishermen's Co-op
 c/o George Bird
 La Ronge, Saskatchewan
 SOJ 1L0

Ph. 425-2491

Sucker R. Fishermen's Co-op
 c/o Simon or George Venne
 Sucker River via
 La Ronge, Saskatchewan
 SOJ 1L0

Ph. 425-2909 (George)

Montreal Lake Fishermen's Co-op
 Pat or Christian Nelson
 Weyakwin, Saskatchewan

Ph. 663-6447 (Pat)

Southend Fishermen's Co-op
 Sedley Cook
 Southend, Saskatchewan
 SOJ 2L0

Sandy Bay Fishermen's Co-op
 c/o Stanley B. Merasty
 Sandy Bay, Saskatchewan
 SOP OGO

Ile-a-la-Crosse Fishermen's Co-op
 Joe Favel
 Ile-a-la-Crosse, Saskatchewan
 SOM 1C0

Ph. 833-2162

Turnor Lake Fishermen's Association

Louis Morin

Turnor Lake, Saskatchewan

SOM 3E0

Ph. 894-2024

Stony Rapids Fishermen's Association

c/o Phil Chenard

Stony Rapids, Saskatchewan

SOJ 2R0

Ph. 439-2077

PROVINCE OF ALBERTAIndustry Representatives

Ray Schlader, F.F.M.C.
 11635 - 145 Street
 Edmonton, Alberta
 T5L 2H3

FEDERAL DEPARTMENT OF FISHERIES & OCEANSGovernment Representatives

R. (Bob) T. Garnett
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 Room 2001
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 T6H 3S5

Ph. (403) 435-7338

Inspection Officer
 E. (Gene) L. Ball

Ph. (403) 435-7258

ALBERTA DEPARTMENT OF ENERGY & NATURAL RESOURCES

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 Fish & Wildlife Division
 Energy & Natural Resources
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 Fish & Wildlife Branch
 Box 900
 Peace River, Alberta

Ph. 624-6246

Jim Struthers
 Regional Director
 Fish & Wildlife Branch
 Box 1450
 St. Paul, Alberta
 TOA 3A0

Ph. 645-4475

Resource Officers¹

| | |
|---------------------------------|--------------|
| Oliver Glimsdale, Ft. Chipewyan | Ph. 697-3636 |
| Roger Gluckie, Cold Lake | 639-3377 |
| Gary Pollock, Bonny Ville | 826-3142 |
| Chuck Scott, Lac la Biche | 623-4474 |

¹Not contacted directly.

John Doonanco
 Regional Director
 Fish & Wildlife Branch
 1063 - 108th Street
 Edmonton, Alberta
 T5J 1L8 Ph. 436-8240

Resource Officers¹
 Fred Neumann, Athabasca Ph. 675-2419
 Tom Sprinkle, Stoney Plain 963-6131
 Deryl Empson, Barrhead 674-3351

FISHERMEN'S GROUPS AND REPRESENTATIVES

Alberta Fishermens Co-op
 c/o Rene Laurette
 Cold Lake, Alberta Ph. 623-4091 (Agent)
 TOA 2C0 623-7027

Lac la Biche Fishermens Co-op
 c/o Guy L'Haireux
 Faust, Alberta
 TOG OXO

West End Fishermens Producers
 c/o Richard Caudron
 Joussard, Alberta
 TOC 1J0 Ph. 776-3882

Frank Ladoucer
 Representative of Ft. Chipewayan
 TOA 1G0

Frank Darr
 Commercial Fishermen
 Member of West End Fish Producers
 High Prairie, Alberta Ph. 523-3933

Industry Representative

Ed Studney
 Plant Manager
 F.F.M.C.
 Box 1158
 Hay River, N.W.T.
 XOE ORO

Government RepresentativesNorthwest Territories Government

Norm Simmons
 Superintendant
 Fish & Wildlife Division
 Department Natural & Cultural Affairs
 Yellowknife, N.W.T.
 XOE 1H0

R. B. Tinling
 A/Coordinator
 Technical Services
 Wildlife Service
 Department of Natural & Cultural Affairs
 Yellowknife, N.W.T.
 X1A 2L9

Federal Department of Fisheries & Oceans

Hugh Trudeau¹
 District Manager
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Ken G. Roberts
 Officer-in-Charge
 Box 1008
 Hay River, N.W.T.
 XOE ORO

Don Dowler
 Chief of Enforcement
 Box 2310
 Yellowknife, N.W.T. Ph. (403) 873-5831

R. W. Moshenko
 A/Head, Fishery Management
 Fisheries & Marine Service
 Western Region
 Winnipeg, Manitoba Ph. 269-7379

¹Has since transferred from this position.

Fishermen's Representatives
Great Slave Lake Fishermen's Association

Frank Hirst
President
Hay River, N.W.T.

Ph. 874-3231

Percy Monkman
Secretary
Box 191
Hay River, N.W.T.

Ph. 874-2244

APPENDIX IVFisheries Statistics

Appendix IV contains the fisheries statistics by delivery point and lake that form a major part of the data base for this study. The statistics are six year trends of summer production from 1973 to 1978 (with the exception of the production by delivery points on Lake Winnipeg for which 1978 figures are only presented). Six year trends for each province are also included plus an all-provinces total, which gives the total summer production of commercial fisheries in the Western Region delivered to the Freshwater Fish Marketing Corporation, (note it does not include Northern Ontario). The all-provinces total overestimates the number of operators by counting operators who fish in more than one province twice.

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| 2. <u>Six Year Trends</u> by Regions, by Lake, by Delivery Points | |
| Western Region: All provinces (incl. N.W.T.) | - 4 |
| Manitoba | - 5 |
| Saskatchewan | - 6 |
| Alberta | - 7 |
| Northwest Territories | - 8 |
| Lake Winnipeg | - 9 |
| (Berens River D.P. | - 10 |
| (Big Black River D.P. | - 11 |
| (Catfish Creek D.P. | - 12 |
| (Dauphin River D.P. | - 13 |
| Lake Winnipeg (Fisher River - Koostatak D. P. | - 14 |
| (Frog Bay D.P. | - 15 |
| (Gimli D.P. | - 16 |
| (Islandview D.P. | - 17 |
| (McBeth Point D.P. | - 18 |
| (Pine Dock D.P. | - 19 |
| Lake Winnipegosis | - 20 |
| (Dawson Bay D.P. | - 21 |
| Lake Winnipegosis (Denbeigh Point D.P. | - 22 |
| (Good Harbour D.P. | - 23 |

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| | (Easterville D.P. | - 24 |
| | (Granville Lake | - 25 |
| | (Opachuanau Lake | - 26 |
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| Northern Manitoba | (Saskatchewan River | - 28 |
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| | (Southern Indian Lake | - 30 |
| | (Split Lake | - 31 |
| | (Tait Island D.P. | - 32 |
| | (Sandy Island D.P. | - 33 |
| | (Montreal Lake | - 33 |
| | (Pelican Narrows D.P. | - 34 |
| Saskatchewan | (Pine House Lake | - 35 |
| | (Saskatchewan River - | |
| | (Cumberland Lake | - 36 |
| | (Lesser Slave Lake | - 37 |
| Alberta | (Lesser Slave Lake - | |
| | (Faust D.P. | - 38 |
| | (Edmonton D.P. | - 38 |
| | (Joussard D.P. | - 39 |

PRODUCTION BY DELIVERY POINT

LAKE WINNIPEG

SUMMER 1978

SPRING
June 1 - July 10

FALL
Sept - Oct. 10

| DELIVERY POINT | OPER- ATORS | ACTUAL LBS. | LANDED VALUE | OPER- ATORS | PRODUCTION ACT. LBS. | LANDED VALUE |
|-------------------------------------|----------------|----------------|-----------------|----------------|-------------------------|-----------------|
| Berens River | 57 | 398,816 | 175,171 | 50 | 54,841 | 25,230 |
| Big Black River | 36 | 568,527 | 249,592 | 0 | -- | -- |
| Catfish Creek | 25 | 162,366 | 65,094 | 32 | 384,973 | 163,414 |
| Dauphin River | 29 | 109,430 | 60,307 | 0 | -- | -- |
| George's Island | 8 | 217,302 | 88,513 | 0 | -- | -- |
| Gimli | 21 | 38,695 | 15,611 | 56 | 380,689 | 187,666 |
| Grand Rapids | 54 | 418,147 | 172,125 | 0 | -- | -- |
| Hnausa | 21 | 41,819 | 17,104 | 12 | 75,200 | 31,446 |
| Islandview | 32 | 148,232 | 56,450 | 38 | 296,487 | 138,790 |
| Jackhead | 18 | 86,865 | 38,906 | 21 | 87,090 | 41,065 |
| Jackhead Island | 12 | 59,642 | 22,900 | 13 | 89,647 | 34,173 |
| Koostatak | 11 | 37,937 | 15,510 | 17 | 104,924 | 45,170 |
| Pine Dock | 17 | 78,392 | 28,693 | 20 | 176,909 | 79,134 |
| Princess Harbour | 36 | 106,390 | 45,007 | 41 | 321,897 | 124,697 |
| Riverton | 14 | 20,547 | 9,575 | 20 | 107,529 | 48,911 |
| Selkirk | 58 | 110,587 | 50,665 | 64 | 321,043 | 166,364 |
| Selkirk Island | 8 | 271,567 | 107,956 | 0 | -- | -- |
| Traverse Bay | 11 | 9,153 | 3,859 | 12 | 23,214 | 9,843 |
| Wanipigow | 18 | 34,825 | 15,774 | 31 | 222,036 | 97,616 |
| Warrens Landing | 25 | 612,459 | 239,173 | 0 | -- | -- |
| Warrens Landing (Playgreen Lake) | 32 | 167,901 | 71,629 | 0 | -- | -- |
| Arnes | 0 | -- | -- | 7 | 54,841 | 25,230 |
| Frog Bay | 0 | -- | -- | 31 | 241,458 | 100,584 |
| McBeth Point | 0 | -- | -- | 53 | 334,397 | 173,436 |
| Split Rock | 0 | -- | -- | 7 | 37,822 | 17,871 |

RUN DATE: 79/08/10

PROV: 3

PROV: 3

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 2198,075 | 383,390 | 1276,010 | 343,799 | 2211,499 | 556,848 | 1695,767 | 467,086 | 2168,441 | 599,720 | 1913,341 | 436,129 | 11463,133 | 2786,970 |
| CONT. W. | 570,814 | 88,704 | 1083,213 | 150,007 | 507,947 | 84,534 | 643,318 | 135,606 | 850,622 | 177,248 | 929,336 | 161,682 | 4585,250 | 797,781 |
| SMOKERS | 1495,867 | 409,788 | 1181,934 | 325,173 | 1679,938 | 560,290 | 1756,851 | 653,834 | 2552,418 | 960,142 | 3247,653 | 1103,064 | 11914,661 | 4012,291 |
| CUTTERS. | 188,121 | 12,636 | 107,823 | 7,425 | 571,875 | 45,629 | 1016,402 | 93,866 | 870,533 | 74,128 | 565,147 | 67,289 | 3319,901 | 300,973 |
| PICKEREL | 3204,983 | 1086,994 | 3725,591 | 1263,120 | 4494,731 | 1624,348 | 5536,749 | 2686,256 | 5951,928 | 3467,451 | 4898,581 | 2398,106 | 27812,563 | 12526,275 |
| SAUGER | 3203,534 | 908,208 | 2668,543 | 756,376 | 2994,939 | 867,324 | 2477,073 | 912,345 | 2357,503 | 975,557 | 1938,857 | 600,243 | 15640,449 | 5020,053 |
| NORTH.PIKE | 1505,785 | 137,133 | 1645,216 | 154,016 | 2278,748 | 228,951 | 2348,477 | 231,060 | 2318,038 | 240,674 | 2168,031 | 287,323 | 12264,295 | 1279,157 |
| LAKE TROUT | 14,060 | 2,637 | 113,987 | 16,198 | 34,301 | 4,018 | 64,766 | 13,984 | 221,293 | 51,699 | 82,047 | 26,437 | 530,454 | 114,973 |
| TULLIBEE | 99,997 | 7,426 | 893,604 | 59,182 | 636,145 | 45,753 | 380,739 | 46,960 | 464,380 | 65,689 | 406,519 | 64,248 | 2881,384 | 289,258 |
| GOLDEYE | | | 50,890 | 8,012 | 107,197 | 13,919 | 34,931 | 4,803 | 20,308 | 3,789 | 23,489 | 4,148 | 236,815 | 34,671 |
| PERCH | 82,889 | 8,574 | 164,640 | 19,374 | 90,867 | 13,791 | 56,676 | 10,063 | 60,219 | 17,820 | 98,636 | 28,745 | 553,927 | 98,367 |
| MULLETS | 1174,350 | 29,066 | 2838,259 | 120,209 | 2182,999 | 94,399 | 1,934 | 50 | 1073,930 | 45,366 | 1929,608 | 77,326 | 9201,080 | 366,416 |
| CARP | | | 563,684 | 22,989 | 508,760 | 24,254 | 83,782 | 4,129 | 960,424 | 44,062 | 954,141 | 42,937 | 3070,791 | 138,371 |
| BUFFALO | | | 12,248 | 1,168 | | | | | | | | | 12,248 | 1,168 |
| OTHERS | 97,189 | 19,178 | 113,495 | 16,555 | 41,414 | 16,993 | 44,059 | 28,855 | 34,763 | 34,504 | 50,042 | 35,017 | 380,962 | 151,102 |
| TOTAL LBS | | 13,835,664 | | 16,439,137 | | 18,341,360 | | 16,141,524 | | 19,904,800 | | 19,205,428 | | 103,867,913 |
| AMT | \$ | 3,093,734 | \$ | 3,263,603 | \$ | 4,181,049 | \$ | 5,288,897 | \$ | 6,757,849 | \$ | 5,332,694 | \$ | 27,917,826 |
| OPERATORS | | 1,203 | | 1,114 | | 1,129 | | 1,233 | | 1,304 | | 1,340 | | 2,386 |
| HIREN MEN | | 1,232 | | 722 | | 768 | | 547 | | 626 | | 716 | | 4,611 |
| DELIVERIES | | 30,263 | | 31,258 | | 35,843 | | 38,440 | | 42,202 | | 36,444 | | 214,450 |
| AVG. INCOME | \$ | 2,571 | \$ | 2,929 | \$ | 3,703 | \$ | 4,289 | \$ | 4,882 | \$ | 3,979 | \$ | 11,700 |
| LOW INCOME | \$ | 51 | \$ | 11 | | | \$ | 121 | \$ | 13 | \$ | 11 | | |
| HIGH INCOME | \$ | 27,957 | \$ | 41,001 | \$ | 39,630 | \$ | 42,423 | \$ | 39,280 | \$ | 57,826 | \$ | 191,481 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

SUMMER LANDINGS BY PROVINCE

FOR A SIX YEAR TREND

RUN DATE: 79/08/10

PROV

PROV: q

PROV: ALL PROVINCES

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 4853,078 | 908,459 | 3986,811 | 895,025 | 5184,852 | 1245,100 | 4828,951 | 1251,095 | 6091,213 | 1591,603 | 5285,675 | 1177,484 | 30230,580 | 7068,766 |
| CONT. W. | 2686,456 | 321,171 | 2563,885 | 367,051 | 1379,800 | 226,639 | 1893,121 | 367,038 | 2337,829 | 437,243 | 1938,932 | 303,347 | 12800,023 | 2022,489 |
| SMOKERS | 2472,814 | 651,018 | 2154,956 | 568,436 | 1865,836 | 614,499 | 2349,858 | 826,791 | 2807,703 | 1034,576 | 3551,390 | 191,656 | 15202,557 | 4886,976 |
| CUTTERS. | 1259,530 | 106,682 | 1069,001 | 109,499 | 1897,506 | 207,024 | 1821,123 | 196,321 | 1763,210 | 175,915 | 952,219 | 95,924 | 8762,589 | 891,365 |
| PICKEREL | 4763,457 | 1568,205 | 5077,491 | 1692,290 | 5800,432 | 2064,267 | 7138,624 | 3400,963 | 8324,514 | 732,183 | 6562,510 | 3128,404 | 37667,028 | 16566,312 |
| SAUGER | 3204,609 | 908,315 | 2669,054 | 756,469 | 2994,939 | 867,324 | 2477,085 | 912,349 | 2357,503 | 975,557 | 1938,857 | 600,243 | 15642,047 | 5020,257 |
| NORTH.PIKE | 3854,243 | 329,447 | 4006,023 | 363,131 | 4037,262 | 395,610 | 4300,289 | 386,186 | 4622,574 | 404,853 | 4480,543 | 523,474 | 25300,934 | 2402,701 |
| LAKE TROUT | 1110,733 | 182,513 | 1096,241 | 193,633 | 997,710 | 189,680 | 1453,380 | 297,440 | 1762,905 | 408,070 | 1111,583 | 296,748 | 7532,552 | 1568,084 |
| TULLIBEE | 188,815 | 17,239 | 986,772 | 69,398 | 741,553 | 59,689 | 619,071 | 78,734 | 597,843 | 86,001 | 495,965 | 76,655 | 3630,019 | 367,716 |
| GOLDEYE | | | 50,890 | 8,012 | 107,197 | 13,919 | 34,931 | 4,803 | 20,308 | 3,789 | 23,489 | 4,148 | 236,815 | 34,671 |
| PERCH | 89,112 | 9,318 | 170,988 | 20,182 | 93,648 | 14,174 | 61,376 | 10,713 | 70,284 | 20,340 | 101,281 | 29,385 | 586,689 | 104,112 |
| ARCTIC CHAR | | | | | 62,582 | 65,168 | 5,970 | 8,706 | 133,830 | 195,169 | 133,470 | 190,061 | 335,852 | 459,104 |
| INCONNU | 183,107 | 22,442 | 162,927 | 19,805 | 169,024 | 18,110 | 127,177 | 13,624 | 136,838 | 14,650 | 279,948 | 29,995 | 1059,021 | 116,626 |
| MULLETS | 1477,833 | 38,568 | 4630,507 | 208,944 | 2956,995 | 127,881 | 11,765 | 428 | 1073,930 | 45,366 | 1929,608 | 77,326 | 12057,108 | 497,657 |
| CARP | | | 1402,339 | 45,470 | 1039,765 | 42,839 | 605,994 | 23,323 | 1504,024 | 60,370 | 1307,886 | 55,658 | 5860,008 | 227,660 |
| BUFFALO | | | 332,326 | 37,977 | 214,235 | 24,637 | 461,150 | 53,032 | 137,240 | 16,469 | 179,310 | 25,536 | 1324,261 | 157,651 |
| OTHERS | 1249,101 | 72,649 | 128,464 | 23,811 | 51,487 | 25,251 | 70,445 | 40,712 | 52,149 | 44,616 | 85,531 | 55,203 | 1637,177 | 262,242 |
| TOTAL LBS | | 27,392,888 | | 30,488,675 | | 29,594,823 | | 28,236,780 | | 33,793,897 | | 30,358,197 | | 179,865,260 |
| AMT | \$ | 5,136,026 | \$ | 5,379,133 | \$ | 6,201,811 | \$ | 7,871,402 | \$ | 10,246,770 | \$ | 7,861,247 | \$ | 42,696,389 |
| OPERATORS | | 2,377 | | 2,081 | | 1,958 | | 2,172 | | 2,457 | | 2,384 | | 5,051 |
| HIRED MEN | | 1,342 | | 869 | | 774 | | 570 | | 627 | | 724 | | 4,906 |
| DELIVERIES | | 52,211 | | 50,913 | | 53,197 | | 56,912 | | 64,833 | | 53,368 | | 331,434 |
| AVG. INCOME | \$ | 2,160 | \$ | 2,584 | \$ | 3,167 | \$ | 3,624 | \$ | 4,170 | \$ | 3,297 | \$ | 8,453 |
| LOW INCOME | \$ | 31 | \$ | 71 | | | \$ | 101 | \$ | 31 | \$ | 81 | | |
| HIGH INCOME | \$ | 57,846 | \$ | 71,780 | \$ | 52,406 | \$ | 72,593 | \$ | 178,366 | \$ | 177,990 | \$ | 417,471 |

PAGE: 1

SUMMER LANDINGS BY PROVINCE

FOR SIX YEAR TREND

RUN DATE: 79/08/10

PROV: 1

PROV: 1

PROV: ALBERTA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-----------|-------------|-----------|-------------|---------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 583,951 | 105,755 | 627,196 | 123,907 | 462,754 | 111,052 | 512,733 | 136,416 | 499,055 | 146,486 | 436,964 | 94,334 | 3122,653 | 719,950 |
| CONT. W. | 731,773 | 59,728 | 114,700 | 20,627 | 65,205 | 11,007 | 284,859 | 58,204 | 393,240 | 70,198 | 305,396 | 41,992 | 1895,173 | 261,756 |
| CUTTERS. | 165,875 | 16,848 | 3,294 | 353 | 377 | 57 | | | | | 33,046 | 4,072 | 202,592 | 21,330 |
| PICKEREL | 95,772 | 24,112 | 45,408 | 16,313 | 32,876 | 12,344 | 87,601 | 33,283 | 214,437 | 89,572 | 154,615 | 47,951 | 630,709 | 223,575 |
| SAUGER | 996 | 99 | | | | | | | | | | | 996 | 99 |
| NORTH.PIKE | 235,317 | 19,266 | 210,288 | 19,409 | 83,143 | 9,217 | 97,168 | 8,084 | 110,793 | 9,007 | 115,093 | 12,100 | 851,802 | 77,083 |
| LAKE TROUT | 237,836 | 43,605 | 1,196 | 210 | | | | | | | | | 239,032 | 43,823 |
| TULLIBEE | 77,049 | 8,391 | 61,284 | 7,157 | 54,103 | 6,998 | 70,388 | 10,241 | 72,070 | 10,813 | 45,183 | 6,404 | 380,077 | 50,004 |
| PERCH | 5,109 | 441 | 6,348 | 808 | 2,781 | 383 | 4,700 | 650 | 10,065 | 2,520 | 2,525 | 610 | 31,528 | 5,412 |
| MULLETS | 1,780 | 44 | 2,664 | 88 | | | | | | | | | 4,444 | 132 |
| OTHERS | 30,930 | | 295 | 21 | | | | | | | 7,508 | 3,320 | 38,733 | 3,341 |
| TOTAL LBS | | 2,166,388 | | 1,072,673 | | 701,239 | | 1,057,449 | | 1,299,660 | | 1,100,330 | | 7,347,739 |
| AMT | \$ | 278,289 | \$ | 188,901 | \$ | 151,058 | \$ | 248,878 | \$ | 328,596 | \$ | 210,783 | \$ | 1,406,505 |
| OPERATORS | | 282 | | 185 | | 135 | | 162 | | 187 | | 203 | | 667 |
| HIRED MEN | | 35 | | | | 2 | | 2 | | | | | | 58 |
| DELIVERIES | | 3,550 | | 1,660 | | 1,091 | | 1,309 | | 1,696 | | 1,705 | | 11,011 |
| AVG. INCOME | \$ | 986 | \$ | 1,021 | \$ | 1,118 | \$ | 1,536 | \$ | 1,757 | \$ | 1,038 | \$ | 2,108 |
| LOW INCOME | \$ | 3 | \$ | 7 | \$ | 15 | \$ | 18 | \$ | 6 | \$ | 12 | \$ | 3 |
| HIGH INCOME | \$ | 25,025 | \$ | 31,508 | \$ | 11,268 | \$ | 7,799 | \$ | 11,974 | \$ | 8,508 | \$ | 49,228 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

SUMMER LANDINGS BY PROVINCE

FOR: SIX YEAR TREND

RUN DATE: 79/08/10

PROV: 2

PROV: 2

PROV: SASKATCHEWAN

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 1186,116 | 217,322 | 1472,587 | 274,262 | 1374,962 | 292,936 | 1606,198 | 381,290 | 1548,852 | 376,624 | 1555,376 | 301,372 | 8744,091 | 1843,606 |
| CONT. W. | 1383,869 | 172,739 | 1362,755 | 195,613 | 806,648 | 131,098 | 964,944 | 173,228 | 1093,967 | 189,797 | 704,200 | 99,673 | 6316,383 | 962,148 |
| CUTTERS. | 905,534 | 77,198 | 956,934 | 101,483 | 1325,254 | 161,338 | 789,618 | 97,924 | 892,652 | 101,782 | 354,026 | 24,563 | 5224,018 | 564,288 |
| PICKEREL | 1383,688 | 432,152 | 1240,347 | 390,972 | 1200,303 | 401,850 | 1453,382 | 652,189 | 2094,550 | 144,840 | 1480,343 | 669,876 | 8852,613 | 3691,879 |
| SAUGER | 79 | 8 | 117 | 10 | | | 12 | 4 | | | | | 208 | 22 |
| NORTH.PIKE | 1959,835 | 160,608 | 1988,463 | 175,036 | 1525,989 | 143,022 | 1716,825 | 133,822 | 2022,972 | 139,148 | 1944,517 | 190,194 | 11158,601 | 941,830 |
| LAKE TROUT | 716,329 | 104,948 | 846,853 | 144,780 | 754,576 | 131,823 | 1211,049 | 235,403 | 1299,563 | 290,771 | 804,675 | 201,034 | 5633,045 | 1106,759 |
| TULLIBEE | 11,454 | 1,384 | 31,884 | 3,059 | 51,305 | 6,938 | 167,944 | 21,533 | 61,393 | 9,499 | 44,263 | 6,003 | 368,243 | 46,416 |
| PERCH | 304 | 32 | | | | | | | | | 120 | 30 | 424 | 62 |
| MULLETS | 301,703 | 9,458 | 1789,584 | 88,647 | 773,996 | 33,482 | 13,699 | 479 | | | | | 2851,584 | 131,108 |
| CARP | | | 838,655 | 22,481 | 531,005 | 18,585 | 522,212 | 19,194 | 543,600 | 16,308 | 353,745 | 12,721 | 2789,217 | 89,289 |
| BUFFALO | | | 320,078 | 36,809 | 214,235 | 24,637 | 461,150 | 53,032 | 137,240 | 16,469 | 179,310 | 25,536 | 1312,013 | 156,483 |
| OTHERS | 1099,590 | 53,471 | 14,608 | 7,227 | 10,073 | 8,258 | 26,386 | 11,857 | 17,386 | 10,112 | 26,760 | 16,213 | 1194,803 | 107,138 |
| TOTAL LBS | 8,548,501 | | 10,862,865 | | 8,568,346 | | 8,906,021 | | 9,712,175 | | 7,447,335 | | 54,445,243 | |
| AMT | \$ 1,229,320 | | \$ 1,440,379 | | \$ 1,353,967 | | \$ 1,778,997 | | \$ 2,295,350 | | \$ 1,547,215 | | \$ 9,645,228 | |
| OPERATORS | | 786 | | 696 | | 576 | | 670 | | 764 | | 744 | | 1,673 |
| HIRED MEN | | 72 | | 147 | | 4 | | 2 | | 1 | | 8 | | 234 |
| DELIVERIES | | 15,583 | | 15,525 | | 13,698 | | 14,886 | | 18,265 | | 13,031 | | 90,988 |
| AVG. INCOME | \$ | 1,564 | \$ | 2,069 | \$ | 2,350 | \$ | 2,655 | \$ | 3,004 | \$ | 2,079 | \$ | 5,765 |
| LOW INCOME | \$ | 7 | \$ | 16 | \$ | 8 | \$ | 10 | \$ | 3 | \$ | 8 | \$ | 3 |
| HIGH INCOME | \$ | 57,846 | \$ | 71,780 | \$ | 43,726 | \$ | 72,593 | \$ | 59,125 | \$ | 53,015 | \$ | 260,198 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

PAGE: 4

SUMMER LANDINGS BY PROVINCE

FOR: SIX YEAR TREND

RUN DATE: 79/08/10

PROV: 5

PROV: 5

PROV: N.W.J.

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|--------------|----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 884,936 | 201,992 | 611,018 | 153,057 | 1135,637 | 284,266 | 1014,253 | 264,303 | 1874,865 | 468,773 | 1379,994 | 345,649 | 6900,703 | 1718,040 |
| CONT. W. | | | 3,217 | 804 | | | | | | | | | 3,217 | 804 |
| SMOKERS | 976,947 | 241,230 | 973,022 | 243,263 | 185,898 | 54,209 | 593,007 | 172,957 | 255,285 | 74,434 | 303,737 | 88,592 | 3287,896 | 874,685 |
| CUTTERS. | | | 950 | 238 | | | 15,103 | 4,531 | 25 | 5 | | | 16,078 | 4,774 |
| PICKEREL | 79,014 | 24,947 | 66,145 | 21,885 | 72,522 | 25,725 | 60,892 | 29,235 | 63,599 | 30,320 | 28,971 | 12,471 | 371,143 | 144,583 |
| SAUGER | | | 394 | 83 | | | | | | | | | 394 | 83 |
| NORTH.PIKE | 153,306 | 12,440 | 162,056 | 14,670 | 149,382 | 14,420 | 137,819 | 13,220 | 170,771 | 16,024 | 252,402 | 33,857 | 1026,236 | 104,631 |
| LAKE TROUT | 142,508 | 31,323 | 134,205 | 32,437 | 208,833 | 53,839 | 177,565 | 48,053 | 242,049 | 65,600 | 224,861 | 69,277 | 1130,021 | 300,529 |
| TULLIBEE | 315 | 38 | | | | | | | | | | | 315 | 38 |
| PERCH | 810 | 271 | | | | | | | | | | | 810 | 271 |
| ARCTIC CHAR | | | | | 62,582 | 65,168 | 5,970 | 8,706 | 133,830 | 195,169 | 133,470 | 190,061 | 335,852 | 459,104 |
| INCONNU | 183,107 | 22,442 | 162,927 | 19,805 | 169,024 | 18,110 | 127,177 | 13,624 | 136,838 | 14,650 | 279,948 | 29,995 | 1059,021 | 118,626 |
| OTHERS | 21,392 | | 66 | 8 | | | | | | | 1,221 | 653 | 22,679 | 661 |
| TOTAL LBS | 2,442,335 | | 2,114,000 | | 1,983,878 | | 2,131,786 | | 2,877,262 | | 2,605,104 | | 14,154,365 | |
| AMT | \$ 534,683 | | \$ 486,250 | | \$ 515,737 | | \$ 554,629 | | \$ 864,975 | | \$ 770,555 | | \$ 3,726,829 | |
| OPERATORS | | 106 | | 86 | | 118 | | 107 | | 122 | | 97 | | 325 |
| HIRED MEN | | 3 | | | | | | | | | | | | 3 |
| DELIVERIES | | 2,815 | | 2,470 | | 2,565 | | 2,277 | | 2,670 | | 2,188 | | 14,985 |
| AVG. INCOME | \$ | 5,044 | \$ | 5,654 | \$ | 4,370 | \$ | 5,183 | \$ | 7,089 | \$ | 7,943 | \$ | 11,467 |
| LOW INCOME | \$ | 15 | \$ | 33 | \$ | 30 | \$ | 21 | \$ | 21 | \$ | 25 | \$ | 15 |
| HIGH INCOME | \$ | 28,789 | \$ | 47,268 | \$ | 52,406 | \$ | 46,283 | \$ | 178,368 | \$ | 177,990 | \$ | 417,471 |

 OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

PAGE: 23

LANDINGS BY LAKE BY DEL. PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE: 3486 WINNIPEG

DLPT: *

TOTAL

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|--------------|---------|--------------|---------|--------------|---------|--------------|----------|--------------|----------|--------------|----------|---------------|----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 394,113 | 115,253 | 474,683 | 144,742 | 234,090 | 84,211 | 173,687 | 63,788 | 174,340 | 52,889 | 209,149 | 41,702 | 1660,062 | 502,585 |
| CONT. W. | 27 | 5 | 7,271 | 1,765 | | | 190 | 80 | | | | | 7,488 | 1,850 |
| SMOKERS | 1098,131 | 308,688 | 831,363 | 237,452 | 1324,351 | 447,797 | 1351,317 | 506,655 | 2110,786 | 805,154 | 2787,585 | 951,129 | 9503,533 | 3256,875 |
| CUTTERS. | | | | | 502 | 159 | 27 | 4 | 48 | 4 | | | 577 | 167 |
| PICKEREL | 2162,011 | 756,204 | 2119,717 | 719,617 | 2591,445 | 955,380 | 3166,732 | 1583,440 | 3349,816 | 2017,904 | 2750,846 | 1384,001 | 16140,567 | 7416,546 |
| SAUGER | 3188,098 | 905,224 | 2658,022 | 753,312 | 2989,244 | 865,768 | 2469,501 | 909,739 | 2352,233 | 973,395 | 1934,278 | 598,757 | 15591,376 | 5006,195 |
| NORTH PIKE | 797,155 | 79,319 | 716,599 | 74,532 | 735,063 | 81,396 | 912,760 | 95,059 | 746,764 | 77,757 | 588,009 | 73,772 | 4496,350 | 481,835 |
| LAKE TROUT | 740 | 243 | 116 | 47 | | | 1,957 | 992 | | | | | 2,613 | 1,282 |
| TULLIBEE | 24,608 | 1,163 | 611,575 | 32,220 | 419,460 | 22,599 | 27,034 | 2,419 | 10,903 | 1,383 | 2,872 | 264 | 1096,452 | 60,048 |
| MULLETS | 55,566 | 1,450 | 244,059 | 10,155 | 122,148 | 4,946 | 1,934 | 50 | 81,531 | 3,592 | 46,730 | 3,833 | 591,968 | 24,026 |
| GOLDEYE | | | 9,883 | 1,753 | 74,057 | 8,743 | 19,577 | 2,299 | 3,340 | 753 | 341 | 87 | 107,198 | 13,635 |
| PERCH | 82,404 | 8,509 | 164,012 | 19,280 | 88,984 | 13,465 | 53,885 | 9,566 | 59,004 | 17,499 | 47,628 | 28,438 | 545,917 | 96,757 |
| OTHERS | 32,068 | 2,065 | 257,717 | 12,446 | 65,830 | 3,528 | 40,123 | 1,625 | 37,277 | 1,732 | 61,605 | 3,328 | 494,620 | 24,724 |
| TOTAL LBS | 7,834,921 | | 8,095,017 | | 8,645,174 | | 8,218,724 | | 8,926,042 | | 8,519,043 | | 50,238,921 | |
| AMT | \$ 2,178,123 | | \$ 2,007,321 | | \$ 2,487,992 | | \$ 3,175,716 | | \$ 3,952,062 | | \$ 3,085,311 | | \$ 16,886,525 | |
| OPERATORS | | 835 | | 814 | | 795 | | 809 | | 833 | | 796 | | 1,913 |
| HIRED MEN | | 92 | | 575 | | 525 | | 526 | | 493 | | 541 | | 3,581 |
| DELIVERIES | | 19,815 | | 20,212 | | 20,403 | | 19,869 | | 22,456 | | 20,378 | | 123,133 |
| AVG. INCOME | \$ | 2,608 | \$ | 2,465 | \$ | 3,129 | \$ | 3,925 | \$ | 4,744 | \$ | 3,876 | \$ | 8,827 |
| LOW INCOME | \$ | 10 | \$ | 9 | | | \$ | 24 | \$ | 13 | \$ | 40 | | |
| HIGH INCOME | \$ | 19,378 | \$ | 24,324 | \$ | 15,498 | \$ | 12,626 | \$ | 21,544 | \$ | 20,974 | \$ | 76,279 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

| PAGE: 4 | LANDINGS BY LAKE BY DEL.PT. | | | | | | | | | | FURT SIX YR. TRENDS | | | |
|-------------|-----------------------------|-------|--------------------|---------|-------------|---------|-------------------------|---------|-------------|---------|---------------------|---------|--------------|---------|
| | RUN DATE: 79/08/10 | | LAKE 3486 WINNIPEG | | | | DLPT: 3641 BERENS RIVER | | | | PROV: MANITOBA | | | |
| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | | | 26,190 | 4,286 | 75,452 | 13,329 | 117,646 | 16,769 | 219,288 | 34,384 |
| SMOKERS | | | 19,078 | 6,269 | | | 48,613 | 16,432 | 173,146 | 66,886 | 395,791 | 136,171 | 636,628 | 227,758 |
| CUTTERS | | | 424 | 140 | | | | | | | | | 424 | 140 |
| PICKEREL | | | 134,929 | 47,100 | 356,290 | 171,784 | 368,230 | 225,425 | 277,648 | 135,241 | 1157,097 | 579,550 | | |
| SAUGER | | | 645,230 | 188,625 | 378,390 | 136,449 | 222,472 | 89,371 | 159,961 | 47,393 | 1,406,653 | 461,836 | | |
| NORTH PIKE | | | 5,523 | 867 | | | 21,916 | 1,806 | 49,105 | 3,946 | 34,330 | 3,008 | 114,674 | 9,627 |
| TULLIHEE | | | 43,473 | 1,941 | | | | | | | | | 43,473 | 1,941 |
| MULLETS | | | 4 | 1 | | | | | | | 10 | | 14 | 1 |
| PERCH | | | 345 | 45 | | | | | | | | | 345 | 45 |
| OTHERS | | | 103 | 123 | | | | | | | | | 103 | 123 |
| TOTAL LBS | | | | | 853,109 | | 831,399 | | 906,405 | | 985,386 | | 3,578,299 | |
| AMT | | | | | \$ 245,111 | | \$ 332,757 | | \$ 398,957 | | \$ 338,582 | | \$ 1,315,407 | |
| OPERATORS | | | | | 60 | | 63 | | 66 | | 67 | | 77 | |
| HIRED MEN | | | | | | | 1 | | | | | | 1 | |
| DELIVERIES | | | | | 1,861 | | 2,041 | | 2,165 | | 1,959 | | 8,026 | |
| AVG. INCOME | | | | | \$ 4,085 | | \$ 5,281 | | \$ 6,044 | | \$ 5,053 | | \$ 17,083 | |
| LOW INCOME | | | | | \$ 30 | | \$ 1,283 | | \$ 57 | | \$ 257 | | \$ 30 | |
| HIGH INCOME | | | | | \$ 6,262 | | \$ 11,376 | | \$ 12,529 | | \$ 10,321 | | \$ 36,632 | |

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LANDINGS BY LAKE BY DEL. PT.

FOR SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3486 WINNIPEG

DLPT: 3655 BIG BLACK RIVER

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 99,939 | 29,365 | 165,939 | 50,812 | 174,963 | 61,935 | 61,272 | 25,530 | 46,875 | 20,065 | 22,128 | 8,309 | 571,116 | 196,016 |
| SMOKERS | 170,331 | 48,261 | 104,163 | 29,512 | 91,801 | 31,780 | 237,824 | 87,202 | 369,159 | 138,271 | 453,755 | 151,251 | 1,427,033 | 486,277 |
| PICKEREL | 53,071 | 17,989 | 61,005 | 20,426 | 100,320 | 34,551 | 95,515 | 45,030 | 159,127 | 90,929 | 167,875 | 80,348 | 636,913 | 289,273 |
| SAUGEL | 17,025 | 4,831 | 5,584 | 1,540 | 20,052 | 5,475 | 46,897 | 16,415 | 18,643 | 7,324 | 12,307 | 3,516 | 120,508 | 39,101 |
| NORTH PIKE | 42,345 | 4,049 | 46,063 | 4,560 | 31,502 | 2,862 | 26,545 | 2,536 | 24,562 | 2,549 | 54,528 | 6,169 | 225,545 | 22,725 |
| TULLIBEE | 1,770 | 59 | 2,665 | 118 | 2,785 | 159 | | | | | | | 7,220 | 336 |
| PERCH | 717 | 67 | 1,132 | 116 | 1,082 | 162 | 227 | 34 | | | | | 3,158 | 379 |
| TOTAL LBS | | 385,198 | | 346,551 | | 422,505 | | 468,280 | | 618,366 | | 710,593 | | 2,991,493 |
| AMT | \$ | 104,621 | \$ | 107,084 | \$ | 136,924 | \$ | 176,747 | \$ | 259,138 | \$ | 249,593 | \$ | 1,034,107 |
| OPERATORS | | 34 | | 33 | | 28 | | 35 | | 37 | | 36 | | 66 |
| HIRE MEN | | 64 | | 4 | | | | 6 | | 4 | | 124 | | 239 |
| DELIVERIES | | 476 | | 490 | | 360 | | 522 | | 443 | | 511 | | 2,402 |
| AVG. INCOME | \$ | 2,753 | \$ | 3,244 | \$ | 4,890 | \$ | 5,049 | \$ | 7,003 | \$ | 6,933 | \$ | 15,668 |
| LOW INCOME | \$ | 76 | \$ | 17 | \$ | 67 | \$ | 92 | \$ | 604 | \$ | 109 | \$ | 64 |
| HIGH INCOME | \$ | 8,374 | \$ | 11,003 | \$ | 15,498 | \$ | 12,626 | \$ | 21,544 | \$ | 26,974 | \$ | 76,279 |

REPRODUCTION BY THE MANITOBA GOVERNMENT

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREN.

RUN DATE: 79/08/10

LAKE 3486 WINNIPEG

DLPT: 3M17 CATFISH CREEK

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|-------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | | | 205 | 78 | 8 | 3 | 10,743 | 1,276 | 10,956 | 1,357 |
| SMOKERS | | | | | 7,001 | 2,311 | 7,820 | 3,017 | 53,724 | 20,731 | 177,316 | 60,952 | 245,861 | 87,011 |
| PICKEREL | | | | | 79,731 | 27,466 | 193,862 | 93,452 | 140,710 | 81,762 | 133,327 | 64,623 | 547,630 | 267,303 |
| SAUGER | | | | | 379,067 | 109,662 | 285,369 | 102,928 | 276,415 | 111,059 | 156,681 | 46,562 | 1,097,532 | 370,211 |
| NORTH PIKE | | | | | 1,719 | 158 | 7,611 | 645 | 12,049 | 977 | 14,132 | 1,671 | 35,511 | 3,451 |
| TULLIBEE | | | | | 29,561 | 1,321 | 9,086 | 871 | 2,540 | 281 | 2,615 | 257 | 43,802 | 2,730 |
| MULLETS | | | | | 1,395 | 48 | | | | | | | 1,395 | 48 |
| PERCH | | | | | 1,143 | 146 | 774 | 128 | 910 | 257 | 1,434 | 405 | 4,261 | 436 |
| TOTAL LBS | | | | | | 499,617 | | 504,727 | | 486,356 | | 496,248 | | 1,986,948 |
| AMT | | | | | \$ | 141,112 | \$ | 201,119 | \$ | 215,070 | \$ | 175,746 | \$ | 733,047 |
| OPERATORS | | | | | | 45 | | 47 | | 50 | | 45 | | 66 |
| HIRED MEN | | | | | | 20 | | 30 | | 30 | | 53 | | 133 |
| DELIVERIES | | | | | | 1,019 | | 1,059 | | 1,418 | | 1,339 | | 4,435 |
| AVG. INCOME | | | | | \$ | 3,135 | \$ | 4,279 | \$ | 4,301 | \$ | 3,905 | \$ | 11,106 |
| LOW INCOME | | | | | \$ | 1,103 | \$ | 1,719 | \$ | 1,307 | \$ | 226 | \$ | 1,103 |
| HIGH INCOME | | | | | \$ | 5,537 | \$ | 9,793 | \$ | 10,593 | \$ | 9,550 | \$ | 34,507 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3486 WINNIPEG

DLPT: 3HU4 DAUPHIN RIVER (ANAMN BAY)

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|--------|-------------|--------|-------------|---------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | | | | | | | | | | |
| SMOKERS | 11,680 | 3,377 | 15,103 | 4,531 | 66,995 | 25,232 | 23,772 | 9,113 | 10,188 | 1,808 | 3,299 | 412 | 20,429 | 3,321 |
| PICKEREL | 74,138 | 25,962 | 72,143 | 25,212 | 23,523 | 8,729 | 54,144 | 26,361 | 48,536 | 28,429 | 41,716 | 45,194 | 364,200 | 154,687 |
| SAUGER | | | | 1,063 | | 243 | 1,704 | 619 | | | | 723 | | 3,490 |
| NORTH.PIKE | 38,514 | 3,357 | 22,038 | 2,079 | 19,733 | 2,049 | 11,519 | 1,016 | 12,685 | 1,112 | 10,187 | 873 | 114,676 | 10,486 |
| MULLETS | | | 5,503 | 236 | 4,808 | 206 | | | 949 | 34 | | | 11,260 | 476 |
| PERCH | 928 | 353 | | | | | | | | | | | 928 | 353 |
| TOTAL LBS | | 125,260 | | 114,787 | | 116,122 | | 98,081 | | 92,738 | | 144,818 | | 691,806 |
| AMT | \$ | 33,049 | \$ | 32,058 | \$ | 36,459 | \$ | 38,150 | \$ | 39,423 | \$ | 60,307 | \$ | 239,445 |
| OPERATORS | | 26 | | 25 | | 25 | | 26 | | 28 | | 29 | | 39 |
| HIRED MEN | | 41 | | 58 | | 26 | | 53 | | 8 | | | | 186 |
| DELIVERIES | | 490 | | 437 | | 284 | | 378 | | 434 | | 304 | | 2,327 |
| AVG. INCOME | \$ | 1,271 | \$ | 1,282 | \$ | 1,458 | \$ | 1,467 | \$ | 1,407 | \$ | 2,079 | \$ | 6,139 |
| LOW INCOME | \$ | 81 | \$ | 86 | \$ | 23 | \$ | 315 | \$ | 108 | \$ | 127 | \$ | 23 |
| HIGH INCOME | \$ | 1,779 | \$ | 1,646 | \$ | 1,774 | \$ | 2,254 | \$ | 2,522 | \$ | 6,016 | \$ | 12,381 |

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

| RUN DATE: 79/08/10 | | LAKE 3486 WINNIPEG | | | | DLPT: 3F88 FISHER RIVER | | | | PROV: MANITOBA | | | | |
|--------------------|-------------|--------------------|-------------|-------|-------------|-------------------------|-------------|-------|-------------|----------------|-------------|--------|-------------|--------|
| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| SMOKERS | | | | | | | | | | | 12 | 41 | 12 | 4 |
| PICKEREL | | | | | | | | | | | 21,508 | 10,640 | 21,508 | 10,640 |
| SAUGER | | | | | | | | | | | 10,154 | 3,064 | 10,154 | 3,064 |
| NORTH.PIKE | | | | | | | | | | | 20,507 | 1,850 | 20,507 | 1,850 |
| TULLIBEE | | | | | | | | | | | 7 | 11 | 7 | 1 |
| PERCH | | | | | | | | | | | 1,961 | 574 | 1,961 | 574 |
| TOTAL LBS | | | | | | | | | | | | 54,149 | | 54,149 |
| AMT | | | | | | | | | | | \$ | 16,133 | \$ | 16,133 |
| OPERATORS | | | | | | | | | | | | 11 | | 11 |
| HIRE MEN | | | | | | | | | | | | | | |
| DELIVERIES | | | | | | | | | | | | 135 | | 135 |
| AVG. INCOME | | | | | | | | | | | \$ | 1,466 | \$ | 1,466 |
| LOW INCOME | | | | | | | | | | | \$ | 102 | \$ | 102 |
| HIGH INCOME | | | | | | | | | | | \$ | 3,136 | \$ | 3,136 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

| RUN DATE: 79/08/10 | | LAKE 3486 WINNIPEG | | | | DLPT: 3C47 KOOSTATAK (FISHER RIVER) | | | | PROV: MANITOBA | | | | |
|--------------------|-------------|--------------------|-------------|---------|-------------|-------------------------------------|-------------|---------|-------------|----------------|-------------|---------|-------------|-----------|
| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | 811 | 185 | 97 | 24 | 386 | 58 | 1,412 | 335 | 2 | | 2,708 | 602 |
| SMOKERS | | | 171 | 58 | 242 | 44 | 1,925 | 448 | 15,719 | 5,018 | 153 | 53 | 18,210 | 5,621 |
| PICKEREL | | | 86,306 | 29,164 | 72,258 | 24,352 | 81,035 | 40,009 | 66,342 | 38,800 | 39,562 | 19,567 | 345,503 | 151,892 |
| SAUGER | | | 110,422 | 31,404 | 129,597 | 37,611 | 156,173 | 56,830 | 90,954 | 36,846 | 56,882 | 17,284 | 544,028 | 179,975 |
| NORTH.PIKE | | | 50,272 | 5,142 | 31,858 | 2,804 | 67,567 | 6,341 | 38,253 | 3,306 | 14,445 | 1,800 | 202,395 | 14,393 |
| TULLIBEE | | | 9,816 | 678 | 43,481 | 2,407 | 5,581 | 544 | 1,518 | 168 | | | 60,396 | 3,797 |
| MULLETS | | | 18,399 | 801 | 10,658 | 231 | | | 3,403 | 104 | 56 | 21 | 32,516 | 1,138 |
| PERCH | | | 48,353 | 5,800 | 27,586 | 4,741 | 9,870 | 1,750 | 8,749 | 2,539 | 22,121 | 6,463 | 116,679 | 21,293 |
| OTHERS | | | 1,298 | 54 | 2,539 | 30 | 4,154 | 70 | | | | | 7,491 | 154 |
| TOTAL LBS | | | | 325,848 | | 318,316 | | 326,691 | | 226,350 | | 133,221 | | 1,330,426 |
| AMT | | | \$ | 73,286 | \$ | 72,244 | \$ | 106,050 | \$ | 87,116 | \$ | 45,169 | \$ | 363,865 |
| OPERATORS | | | | 35 | | 27 | | 33 | | 29 | | 18 | | 67 |
| HIRE MEN | | | | 29 | | | | | | | | | | 29 |
| DELIVERIES | | | | 1,029 | | 786 | | 676 | | 580 | | 290 | | 3,361 |
| AVG. INCOME | | | \$ | 2,053 | \$ | 2,075 | \$ | 3,213 | \$ | 3,004 | \$ | 2,509 | \$ | 5,729 |
| LOW INCOME | | | \$ | 46 | \$ | 617 | \$ | 618 | \$ | 27 | \$ | 45 | \$ | 27 |
| HIGH INCOME | | | \$ | 4,904 | \$ | 5,288 | \$ | 8,783 | \$ | 8,841 | \$ | 4,153 | \$ | 26,685 |

OPTIONS: ROUND EQUIVALENT LBS

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LANDINGS BY LAKE BY DEL. PT.

FOR SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3486 WINNIPEG

DLPT: 3H22 FROG BAY

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|---------|-------------|-----------|-------------|-----------|-------------|------------|-------------|------------|-------------|------------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | | | 168 | 30 | 108 | 21 | 4 | | 280 | 51 |
| SMOKERS | | | | 235 | 73 | | 268 | 105 | 153 | 59 | 1,152 | 410 | 1,808 | 447 |
| PICKEREL | | | | 33,855 | 11,222 | | 68,744 | 33,757 | 69,745 | 41,223 | 94,766 | 47,176 | 267,110 | 133,378 |
| SAUGER | | | | 136,398 | 39,362 | | 123,061 | 45,490 | 167,284 | 69,005 | 162,871 | 51,182 | 589,614 | 205,039 |
| NORTH PIKE | | | | 3,860 | 347 | | 15,261 | 1,470 | 10,781 | 1,024 | 1,575 | 200 | 31,477 | 3,041 |
| TULLIBEE | | | | 5,084 | 300 | | | | | | | | 5,084 | 300 |
| MULLETS | | | | 601 | 27 | | | | 1,815 | 75 | 633 | 27 | 3,049 | 129 |
| GOLDEYE | | | | 521 | 36 | | 56 | 4 | | | | | 577 | 40 |
| PERCH | | | | 3,902 | 556 | | 4,146 | 736 | 1,781 | 530 | 5,300 | 1,577 | 15,129 | 3,399 |
| OTHERS | | | | | | | | | 108 | 51 | 436 | 14 | 544 | 19 |
| TOTAL LBS | | | | | | 184,456 | | 211,704 | | 251,775 | | 266,737 | | 914,672 |
| AMT | | | | | | \$ 51,923 | | \$ 81,592 | | \$ 111,942 | | \$ 100,586 | | \$ 346,043 |
| OPERATORS | | | | | | 23 | | 24 | | 28 | | 31 | | 39 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | | | | | 737 | | 663 | | 815 | | 735 | | 2,950 |
| AVG. INCOME | | | | \$ | | 2,257 | \$ | 3,399 | \$ | 3,997 | \$ | 3,244 | \$ | 8,872 |
| LOW INCOME | | | | \$ | | 36 | \$ | 563 | \$ | 1,233 | \$ | 408 | \$ | 291 |
| HIGH INCOME | | | | \$ | | 3,784 | \$ | 5,531 | \$ | 6,005 | \$ | 4,853 | \$ | 17,322 |

OPTIONS: ROUND EQUIVALENT LBS.
 OPTIONS: FINAL PAYMENT EXCLUDED

PAGE: 6

LANDINGS BY LAKE BY DEL.PT.

FOMI SIX YR. TREN

RUN DATE: 79/08/10

LAKE 3486 WINNIPEG

DLPT: 3867 GIMLI

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | 389 | 120 | 75 | 22 | 28 | 5 | 72 | 34 | 230 | 94 | 794 | 275 |
| SMOKERS | 401 | 22 | 461 | 108 | 334 | 101 | 581 | 207 | 43,233 | 16,633 | 5,301 | 1,944 | 50,311 | 19,015 |
| PICKEMEL | 383,563 | 132,632 | 281,641 | 93,899 | 379,880 | 137,487 | 286,266 | 144,777 | 464,204 | 281,564 | 343,966 | 174,990 | 2,139,520 | 965,349 |
| SAUGEM | 95,376 | 27,740 | 91,181 | 26,623 | 67,282 | 20,297 | 54,939 | 20,240 | 152,029 | 65,011 | 76,541 | 25,133 | 536,348 | 185,044 |
| NORTH PIKE | 54,540 | 5,136 | 13,971 | 1,372 | 31,275 | 2,825 | 56,879 | 5,713 | 59,873 | 6,628 | 5,604 | 881 | 222,142 | 22,555 |
| LAKE TROUT | | | | | | | 1,957 | 992 | | | | | 1,957 | 992 |
| TULLIHEE | | | 7,089 | 462 | 241 | 17 | 239 | 27 | | | | | 7,569 | 506 |
| MULLETS | 8,472 | 212 | 7,622 | 381 | 3,745 | 175 | | | 8,050 | 369 | 2,611 | 126 | 30,500 | 1,283 |
| GOLDEYE | | | 229 | 17 | 12,298 | 925 | 1,258 | 183 | 82 | 16 | | | 13,867 | 1,141 |
| PERCH | 920 | 101 | 1,001 | 130 | 635 | 95 | 681 | 128 | 1,230 | 379 | 118 | 36 | 4,585 | 669 |
| OTHERS | 3,328 | 62 | 21,087 | 937 | 2,090 | 61 | 2,763 | 97 | 5,737 | 216 | 1,853 | 72 | 36,858 | 1,445 |
| TOTAL LBS | | 546,600 | | 424,671 | | 497,855 | | 404,591 | | 734,510 | | 436,224 | | 3,044,451 |
| AMT | \$ | 165,905 | \$ | 124,049 | \$ | 162,005 | \$ | 172,369 | \$ | 370,870 | \$ | 203,276 | \$ | 1,198,474 |
| OPERATORS | | 63 | | 52 | | 70 | | 60 | | 83 | | 62 | | 125 |
| HIRE MEN | | | | | | 1 | | | | 81 | | | | 9 |
| DELIVERIES | | 1,965 | | 1,655 | | 1,949 | | 1,700 | | 2,750 | | 1,874 | | 11,893 |
| AVG. INCOME | \$ | 2,633 | \$ | 2,385 | \$ | 2,314 | \$ | 2,872 | \$ | 4,468 | \$ | 3,278 | \$ | 9,587 |
| LOW INCOME | \$ | 69 | \$ | 277 | \$ | 115 | \$ | 106 | \$ | 45 | \$ | 111 | \$ | 45 |
| HIGH INCOME | \$ | 4,744 | \$ | 4,966 | \$ | 5,623 | \$ | 7,880 | \$ | 9,897 | \$ | 6,511 | \$ | 33,127 |

OPTIONS: ROUND EQUIVALENT LBS

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TRENDS

RUN DATE: 79/08/10

LAKE 3486 WINNIPEG

DLPT: 365R ISLANDVIEW

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|-------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | 297 | 113 | 61 | 26 | 29 | 13 | 7,439 | 1,246 | 7,026 | 1,398 |
| SMOKERS | | | | | 754 | 255 | 3,512 | 1,388 | 6,274 | 2,547 | 46,841 | 16,784 | 57,381 | 20,574 |
| PICKEREL | | | | | 112,080 | 37,266 | 179,838 | 88,611 | 182,630 | 108,279 | 182,094 | 90,994 | 656,642 | 325,150 |
| SAUGEY | | | | | 265,133 | 79,277 | 303,438 | 112,705 | 280,402 | 116,150 | 231,149 | 72,176 | 1080,122 | 380,308 |
| NORTH.PIKE | | | | | 45,826 | 4,812 | 59,128 | 5,555 | 57,665 | 6,279 | 49,801 | 7,166 | 212,420 | 23,812 |
| TULLIBEE | | | | | 96,141 | 5,515 | | | 357 | 38 | | | 96,498 | 5,553 |
| MULLETS | | | | | 22,673 | 972 | | | 21,464 | 929 | 23,252 | 997 | 67,389 | 2,898 |
| PERCH | | | | | 13,894 | 1,938 | 13,925 | 2,507 | 12,491 | 3,745 | 19,812 | 5,869 | 60,122 | 14,059 |
| OTHERS | | | | | 1,278 | 131 | 2,118 | 63 | 2,389 | 55 | 230 | 7 | 6,015 | 256 |
| TOTAL LBS | | | | | | 558,076 | | 562,020 | | 563,701 | | 560,618 | | 2,244,415 |
| AMT | | | | | \$ | 130,279 | \$ | 210,855 | \$ | 238,035 | \$ | 195,239 | \$ | 774,408 |
| OPERATORS | | | | | | 46 | | 51 | | 58 | | 43 | | 76 |
| HIRED MEN | | | | | | 56 | | 109 | | 121 | | 145 | | 431 |
| DELIVERIES | | | | | | 1,363 | | 1,490 | | 1,715 | | 1,755 | | 6,343 |
| AVG. INCOME | | | | | \$ | 2,832 | \$ | 4,134 | \$ | 4,104 | \$ | 4,540 | \$ | 10,189 |
| LOW INCOME | | | | | \$ | 346 | \$ | 59 | \$ | 136 | \$ | 423 | \$ | 59 |
| HIGH INCOME | | | | | \$ | 5,647 | \$ | 10,595 | \$ | 12,075 | \$ | 9,949 | \$ | 37,843 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREN.

RUN DATE: 74/06/10

LAKE: 3486 WINNIPEG

DLPT: 3409 MCRETH POINT

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|-------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | 25 | 71 | | | 1,232 | 244 | | | 366 | 43 | 1,017 | 294 |
| SMOKERS | | | 590 | 171 | 18,643 | 6,177 | 37,927 | 14,375 | 107,932 | 43,338 | 162,171 | 35,127 | 267,263 | 95,188 |
| PICKEREL | | | 678 | 218 | 223,567 | 78,057 | 312,361 | 150,557 | 281,951 | 163,716 | 260,688 | 126,894 | 1,079,265 | 514,442 |
| SAUGER | | | 388 | 111 | 174,334 | 42,167 | 40,663 | 14,672 | 43,100 | 17,342 | 10,474 | 3,100 | 268,975 | 77,442 |
| NORTH PIKE | | | 152 | 13 | 86,534 | 9,021 | 74,677 | 6,850 | 89,487 | 9,666 | 57,123 | 0,272 | 309,973 | 34,022 |
| TULLIBEE | | | 854 | 41 | 59,477 | 2,659 | 4,058 | 389 | 44 | 51 | | | 64,433 | 3,094 |
| MULLETS | | | 74 | 3 | 20,621 | 700 | | | | | | | 20,955 | 763 |
| PERCH | | | 34 | 4 | 72 | 9 | 8 | 1 | 44 | 12 | | | 154 | 26 |
| TOTAL LBS | | | | 2,795 | | 585,248 | | 470,966 | | 522,558 | | 430,816 | | 2,012,383 |
| AMT | | \$ | | 568 | \$ | 139,590 | \$ | 187,088 | \$ | 234,129 | \$ | 173,436 | \$ | 734,611 |
| OPERATORS | | | | 2 | | 54 | | 53 | | 53 | | 53 | | 08 |
| HIRED MEN | | | | | | 4 | | 4 | | 1 | | | | 9 |
| DELIVERIES | | | | 4 | | 1,122 | | 1,000 | | 952 | | 819 | | 3,897 |
| AVG. INCOME | | \$ | | 284 | \$ | 2,585 | \$ | 3,529 | \$ | 4,417 | \$ | 3,272 | \$ | 10,800 |
| LOW INCOME | | \$ | | 249 | \$ | 21 | \$ | 596 | \$ | 1,588 | \$ | 587 | \$ | 21 |
| HIGH INCOME | | \$ | | 318 | \$ | 4,774 | \$ | 5,942 | \$ | 6,156 | \$ | 4,556 | \$ | 18,848 |

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LANDINGS BY LAKE BY DEL. PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3486 WINNIPEG

DLPT: 3081 PINE DOCK

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT SMOKERS CUTTERS. | 2,988 | 875 | 3,633 | 1,085 | 1,323 | 519 | 355 | 157 | 498 | 228 | 6,089 | 1,068 | 8,265 | 1,972 |
| PICKEREL SAUGER | 147,813 | 46,938 | 163,757 | 52,406 | 84,746 | 29,429 | 110,035 | 54,188 | 104,489 | 62,128 | 95,954 | 47,976 | 706,794 | 293,065 |
| NORTH PIKE | 484,775 | 137,638 | 345,919 | 97,999 | 187,374 | 55,015 | 144,191 | 53,557 | 153,696 | 64,010 | 144,182 | 45,175 | 1,460,137 | 453,304 |
| LAKE TROUT | 95,887 | 8,246 | 114,390 | 11,146 | 25,322 | 2,780 | 36,762 | 3,514 | 34,826 | 3,536 | 26,109 | 3,395 | 333,296 | 32,617 |
| TULLIBEE | 29 | 3 | | | | | | | | | | | 29 | 3 |
| MULLETS | 893 | 29 | 60,919 | 3,485 | 46,884 | 2,682 | | | | | | | 108,696 | 6,196 |
| PERCH | 23,320 | 500 | 47,411 | 2,039 | 14,538 | 624 | | | 12,189 | 522 | 10,895 | 467 | 108,353 | 4,152 |
| OTHERS | 25,520 | 2,552 | 36,195 | 4,342 | 6,427 | 1,180 | 6,708 | 1,207 | 5,713 | 1,746 | 7,027 | 2,108 | 89,590 | 13,135 |
| TOTAL LBS | | 781,225 | | 788,628 | | 370,831 | | 300,679 | | 316,909 | | 315,306 | | 2,873,578 |
| AMT | \$ | 196,781 | \$ | 173,207 | \$ | 92,870 | \$ | 113,653 | \$ | 133,440 | \$ | 107,828 | \$ | 817,779 |
| OPERATORS | | 65 | | 54 | | 40 | | 23 | | 26 | | 23 | | 82 |
| HIRED MEN | | 100 | | 115 | | 36 | | 23 | | 55 | | 28 | | 357 |
| DELIVERIES | | 2,261 | | 2,441 | | 1,061 | | 794 | | 994 | | 946 | | 8,497 |
| AVG. INCOME | \$ | 3,027 | \$ | 3,207 | \$ | 2,321 | \$ | 4,941 | \$ | 5,132 | \$ | 4,688 | \$ | 9,972 |
| LOW INCOME | \$ | 84 | \$ | 401 | \$ | 263 | \$ | 733 | \$ | 395 | \$ | 682 | \$ | 84 |
| HIGH INCOME | \$ | 5,848 | \$ | 6,139 | \$ | 4,919 | \$ | 9,589 | \$ | 10,248 | \$ | 8,516 | \$ | 42,919 |

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3010 WINNIPEGOSIS

DLPT:

TOTAL

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|---------|-------------|-----------|-------------|-----------|-------------|------------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 152,122 | 23,925 | 84,736 | 15,959 | 121,670 | 26,891 | 51,584 | 13,121 | 41,601 | 10,611 | 104,802 | 21,140 | 556,515 | 111,647 |
| PICKEREL | 95,659 | 34,886 | 267,253 | 98,221 | 353,037 | 140,863 | 408,090 | 202,453 | 703,438 | 420,243 | 666,764 | 329,848 | 2,494,241 | 1,226,514 |
| SAUGER | 8,297 | 2,472 | 8,804 | 2,619 | 4,027 | 1,232 | 5,945 | 2,191 | 4,136 | 1,712 | 3,295 | 1,000 | 34,504 | 11,226 |
| NORTH PIKE | 160,785 | 16,551 | 285,045 | 28,093 | 463,201 | 54,138 | 190,430 | 20,290 | 381,099 | 46,701 | 408,492 | 58,048 | 1,889,052 | 223,621 |
| LAKE TROUT | | | | | 28,251 | 3,029 | | | | | | | 28,251 | 3,029 |
| TULLIBEE | | | | | | | 1 | | | | | | 1 | |
| MULLETS | 1097,415 | 26,941 | 1864,970 | 78,995 | 1775,290 | 75,976 | | | 969,102 | 40,868 | 1581,987 | 62,152 | 7288,764 | 284,932 |
| GOLDEYE | | | 22,136 | 3,287 | 18,092 | 2,678 | 2,215 | 330 | 7,320 | 1,357 | 4,869 | 904 | 54,632 | 8,556 |
| PERCH | 388 | 54 | 349 | 56 | 1,179 | 212 | 1,947 | 351 | 370 | 111 | 255 | 75 | 4,488 | 859 |
| OTHERS | 17,630 | 2,017 | | | 294 | 6 | 1,464 | 42 | 2,723 | 102 | | | 22,111 | 2,167 |
| TOTAL LBS | | 1,532,296 | | 2,533,293 | | 2,765,041 | | 661,676 | | 2,109,789 | | 2,770,464 | | 12,372,559 |
| AMT | \$ | 106,846 | \$ | 227,230 | \$ | 305,025 | \$ | 238,778 | \$ | 521,705 | \$ | 473,167 | \$ | 1,872,751 |
| OPERATORS | | 51 | | 48 | | 57 | | 46 | | 59 | | 76 | | 131 |
| Hired MEN | | 156 | | 102 | | 204 | | 21 | | 128 | | 172 | | 783 |
| DELIVERIES | | 1,057 | | 1,605 | | 1,749 | | 1,126 | | 1,254 | | 1,550 | | 8,241 |
| AVG. INCOME | \$ | 2,095 | \$ | 4,733 | \$ | 5,351 | \$ | 5,190 | \$ | 8,842 | \$ | 6,225 | \$ | 14,295 |
| LOW INCOME | \$ | 76 | \$ | 11 | \$ | 49 | \$ | 35 | \$ | 34 | \$ | 220 | \$ | 11 |
| HIGH INCOME | \$ | 5,111 | \$ | 11,809 | \$ | 17,213 | \$ | 12,729 | \$ | 16,534 | \$ | 23,880 | \$ | 73,293 |

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3010 WINNIPEGOSIS

DLPT: 3F96 DAWSON BAY

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|--------|-------------|--------|-------------|---------|-------------|--------|-------------|---------|-------------|--------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | 74,149 | 16,168 | 12,509 | 2,954 | 6,588 | 1,675 | 19,760 | 4,231 | 113,006 | 25,028 |
| PICKEREL | | | 45,949 | 17,713 | 61,150 | 29,928 | 171,605 | 103,667 | 93,775 | 46,252 | 372,479 | 197,560 | | |
| SAUGER | | | 580 | 173 | 4,115 | 1,514 | 427 | 176 | 680 | 206 | 5,402 | 2,069 | | |
| NORTH PIKE | | | 209,970 | 23,648 | 48,228 | 4,965 | 135,196 | 17,271 | 133,991 | 19,612 | 527,385 | 65,696 | | |
| LAKE TROUT | | | 28,251 | 3,029 | | | | | | | 28,251 | 3,029 | | |
| MULLETS | | | 221,580 | 9,101 | | | 271,192 | 11,095 | 198,182 | 7,432 | 690,954 | 27,628 | | |
| GOLDEYE | | | 17,968 | 2,658 | 2,086 | 305 | 7,320 | 1,357 | 4,734 | 878 | 32,108 | 5,198 | | |
| OTHERS | | | | | | | 2,723 | 102 | | | 2,723 | 102 | | |
| TOTAL LBS | | | | | 598,447 | | 128,088 | | 595,051 | | 451,122 | | 1,772,708 | |
| AMT | | | | | \$ 72,690 | | \$ 39,666 | | \$ 135,343 | | \$ 76,611 | | \$ 326,310 | |
| OPERATORS | | | | | 16 | | 16 | | 17 | | 16 | | 26 | |
| HIRED MEN | | | | | 214 | | 21 | | 116 | | 172 | | 513 | |
| DELIVERIES | | | | | 499 | | 283 | | 365 | | 318 | | 1,465 | |
| AVG. INCOME | | | | | \$ 4,543 | | \$ 2,479 | | \$ 7,961 | | \$ 4,913 | | \$ 12,550 | |
| LOW INCOME | | | | | \$ 53 | | \$ 35 | | \$ 34 | | \$ 1,665 | | \$ 34 | |
| HIGH INCOME | | | | | \$ 10,042 | | \$ 5,031 | | \$ 16,095 | | \$ 9,958 | | \$ 31,625 | |

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LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3010 WINNIPEGOSIS

DLPT: 3670 DENHEIGH POINT

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|--------|-------------|--------|-------------|---------|-------------|---------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 64,941 | 11,020 | 25,884 | 5,112 | 15,632 | 3,853 | 17,625 | 4,757 | 11,015 | 2,842 | 37,335 | 7,869 | 172,432 | 35,453 |
| PICKEREL | 3,344 | 1,249 | 8,269 | 3,088 | 6,729 | 2,711 | 30,081 | 15,232 | 63,665 | 37,574 | 108,459 | 53,470 | 220,547 | 113,324 |
| SAUGER | 2,020 | 594 | 406 | 126 | 11 | 3 | | | 83 | 34 | 284 | 86 | 2,804 | 843 |
| NORTH.PIKE | 25,420 | 3,166 | 37,144 | 4,076 | 35,444 | 4,481 | 36,517 | 4,568 | 44,858 | 6,048 | 100,651 | 15,264 | 280,034 | 37,403 |
| MULLET | 67,131 | 1,678 | 84,868 | 3,637 | 37,978 | 1,628 | | | 25,579 | 959 | 43,648 | 3,512 | 309,204 | 11,414 |
| GOLDEYE | | | 878 | 132 | 28 | 5 | 114 | 22 | | | 135 | 26 | 1,155 | 185 |
| PERCH | 50 | 7 | 20 | 3 | 2 | | 4 | 1 | | | | | 76 | 11 |
| OTHERS | 405 | 54 | | | | | | | | | | | 405 | 54 |
| TOTAL LBS | | 163,311 | | 157,469 | | 95,824 | | 84,341 | | 145,200 | | 340,512 | | 986,657 |
| AMT | \$ | 17,768 | \$ | 16,174 | \$ | 12,681 | \$ | 24,580 | \$ | 47,457 | \$ | 80,227 | \$ | 198,867 |
| OPERATORS | | 7 | | 4 | | 2 | | 3 | | 11 | | 21 | | 26 |
| HIRED MEN | | | | 59 | | | | | | 12 | | | | 71 |
| DELIVERIES | | 126 | | 110 | | 46 | | 56 | | 99 | | 217 | | 654 |
| AVG. INCOME | \$ | 2,538 | \$ | 4,043 | \$ | 6,340 | \$ | 8,193 | \$ | 4,314 | \$ | 3,620 | \$ | 7,103 |
| LOW INCOME | \$ | 306 | \$ | 376 | \$ | 5,158 | \$ | 740 | \$ | 623 | \$ | 220 | \$ | 220 |
| HIGH INCOME | \$ | 5,111 | \$ | 5,765 | \$ | 7,523 | \$ | 12,729 | \$ | 15,269 | \$ | 15,781 | \$ | 59,389 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

LANDINGS BY LAKE BY DEPT.

| ----- | | | | | | | | | | | | | | | |
|--------------------|-------------|---------|-------------|-------------------------|-------------|-----------|-------------|------------------------|-------------|-----------|-------------|----------------|-------------|-----------|--|
| RUN DATE: 79/06/10 | | | | LAKE: 3010 WINNIPEGOSIS | | | | DLPT: 3423 GOOD HARBOR | | | | PROV: MANITOBA | | | |
| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | | |
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | |
| EXPORT | 12,354 | 2,362 | 27,560 | 5,122 | 31,889 | 6,870 | 21,450 | 5,410 | 23,998 | 6,094 | 47,707 | 9,040 | 164,958 | 34,898 | |
| PICKEREL | 68,566 | 25,186 | 202,921 | 74,583 | 300,359 | 120,439 | 316,859 | 157,293 | 468,168 | 279,002 | 464,530 | 230,126 | 1821,403 | 886,629 | |
| SAUGER | 3,379 | 1,008 | 6,504 | 1,952 | 3,436 | 1,056 | 1,830 | 677 | 3,626 | 1,502 | 2,331 | 702 | 21,106 | 6,903 | |
| NORTH PIKE | 41,764 | 3,985 | 108,302 | 10,667 | 217,787 | 25,809 | 105,685 | 10,757 | 201,045 | 23,382 | 173,850 | 23,172 | 848,433 | 97,772 | |
| TULLIBEE | | | | | | | 1 | | | | | | 1 | | |
| MULLETS | 641,725 | 14,883 | 1,435,509 | 60,886 | 1,222,822 | 52,421 | | | 672,331 | 28,814 | 1,022,182 | 40,158 | 4,994,569 | 197,162 | |
| GOLDEYE | | | 157 | 34 | 96 | 15 | 15 | 31 | | | | | 268 | 52 | |
| PERCH | 338 | 47 | 329 | 53 | 1,177 | 212 | 1,943 | 350 | 370 | 111 | 255 | 75 | 4,412 | 848 | |
| OTHERS | 40 | 51 | | | 294 | 61 | 1,464 | 421 | | | | | 1,798 | 53 | |
| TOTAL LBS | | 768,166 | | 1,781,282 | | 1,777,860 | | 449,247 | | 1,369,538 | | 1,710,855 | | 7,856,448 | |
| AMT | \$ | 47,476 | \$ | 153,297 | \$ | 206,828 | \$ | 174,532 | \$ | 338,905 | \$ | 303,279 | \$ | 1,224,317 | |
| OPERATORS | | 29 | | 30 | | 28 | | 27 | | 31 | | 31 | | 49 | |
| HIRED MEN | | | | | | | | | | | | | | | |
| DELIVERIES | | 454 | | 993 | | 1,187 | | 787 | | 790 | | 980 | | 5,191 | |
| AVG. INCOME | \$ | 1,637 | \$ | 5,109 | \$ | 7,386 | \$ | 6,464 | \$ | 10,932 | \$ | 9,763 | \$ | 24,986 | |
| LOW INCOME | \$ | 76 | \$ | 111 | \$ | 82 | \$ | 1,004 | \$ | 870 | \$ | 1,511 | \$ | 11 | |
| HIGH INCOME | \$ | 4,977 | \$ | 11,809 | \$ | 17,213 | \$ | 11,197 | \$ | 16,534 | \$ | 23,890 | \$ | 73,293 | |

OPTIONS: ROUND EQUIVALENT LBS.
 OPTIONS: FINAL PAYMENT EXCLUDED

PAGE 1 2

LANDINGS BY DELIVERY POINT

FOR SIX YR. TREND

RUN DATE: 79/08/10

DLPT 3F90 EASTERVILLE

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 86,223 | 22,402 | 74,137 | 21,071 | 87,381 | 28,446 | 114,684 | 36,553 | 87,697 | 23,541 | 212,093 | 53,081 | 662,215 | 185,094 |
| PICKEREL | 140,109 | 25,770 | 399,000 | 130,496 | 442,346 | 161,490 | 462,506 | 222,779 | 287,476 | 167,259 | 232,177 | 115,263 | 1963,614 | 823,057 |
| SAUGER | 436 | 191 | 115 | 301 | | | 39 | 141 | 50 | 191 | | | 642 | 82 |
| NORTH PIKE | 25,334 | 373 | 64,049 | 4,025 | 195,595 | 21,400 | 323,630 | 32,474 | 190,446 | 18,379 | 180,683 | 22,429 | 979,737 | 99,080 |
| LAKE THOUT | 54 | | | | | | 120 | 571 | | | | | 174 | 58 |
| TULLIBEE | 27,181 | 3,184 | 105,543 | 14,266 | 51,433 | 7,925 | 110,569 | 19,345 | 191,293 | 35,065 | 256,815 | 47,455 | 742,434 | 127,240 |
| MULLETS | 11,024 | 236 | 31,083 | 1,332 | 55,384 | 2,374 | | | 4,106 | 147 | 2,532 | 90 | 104,129 | 4,179 |
| GOLDEYE | | | | | 35 | 61 | 355 | 701 | 64 | 131 | 133 | 241 | 587 | 113 |
| PERCH | | | | | 1 | | 3 | | | | 9 | 31 | 13 | 3 |
| OTHERS | | | 20 | | | | | | | | | | 20 | |
| TOTAL LBS | | 290,363 | | 673,947 | | 832,175 | | 1,011,906 | | 761,132 | | 884,442 | | 4,453,965 |
| AMT | \$ | 51,985 | \$ | 171,220 | \$ | 221,641 | \$ | 311,292 | \$ | 244,423 | \$ | 238,345 | \$ | 1,236,906 |
| OPERATORS | | 21 | | 61 | | 64 | | 50 | | 64 | | 66 | | 96 |
| HIRE MEN | | 117 | | 40 | | 10 | | | | | | | | 167 |
| DELIVERIES | | 477 | | 1,538 | | 2,519 | | 2,822 | | 1,784 | | 1,548 | | 10,688 |
| AVG. INCOME | \$ | 2,475 | \$ | 2,806 | \$ | 3,463 | \$ | 5,276 | \$ | 3,819 | \$ | 3,611 | \$ | 12,905 |
| LOW INCOME | \$ | 259 | \$ | 44 | \$ | 65 | \$ | 234 | \$ | 217 | \$ | 136 | \$ | 97 |
| HIGH INCOME | \$ | 4,959 | \$ | 9,566 | \$ | 10,273 | \$ | 14,542 | \$ | 9,916 | \$ | 8,880 | \$ | 53,453 |

OPTIONS: ROUND EQUIVALENT LBS.
OPTIONS: FINAL PAYMENT EXCLUDED

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SUMMER LANDINGS BY LAKE

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3050 GRANVILLE

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|--------|-------------|-------|-------------|--------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | | | | | 1,115 | 222 | | | 1,115 | 222 |
| CONT. W. | 34,866 | 3,433 | 1,998 | 328 | 38,204 | 6,790 | 83,102 | 16,895 | 125,029 | 25,246 | 42,741 | 7,035 | 325,890 | 59,727 |
| PICKEREL | 30,034 | 8,684 | 3,037 | 995 | 15,583 | 6,015 | 69,707 | 32,983 | 47,766 | 26,710 | 30,114 | 14,250 | 196,241 | 89,637 |
| NORTH PIKE | 2,992 | 99 | 1,060 | 107 | 3,193 | 264 | 21,914 | 2,057 | 36,970 | 3,683 | 40,072 | 5,790 | 106,201 | 12,000 |
| TULLIBEE | | | | | 6 | | | | 43 | 4 | 1 | | 50 | 4 |
| GOLDEYE | | | | | | | 55 | 9 | 17 | 3 | 6 | 1 | 78 | 13 |
| TOTAL LBS | | 67,897 | | 6,045 | | 56,986 | | 174,778 | | 210,940 | | 112,934 | | 629,575 |
| AMT | \$ | 12,216 | \$ | 1,430 | \$ | 13,069 | \$ | 51,944 | \$ | 55,868 | \$ | 27,076 | \$ | 161,603 |
| OPERATORS | | 29 | | 10 | | 6 | | 22 | | 17 | | 8 | | 43 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 235 | | 32 | | 120 | | 418 | | 402 | | 112 | | 1,319 |
| AVG. INCOME | \$ | 421 | \$ | 143 | \$ | 2,178 | \$ | 2,361 | \$ | 3,286 | \$ | 3,384 | \$ | 3,758 |
| LOW INCOME | \$ | 20 | \$ | 14 | \$ | 291 | \$ | 22 | \$ | 218 | \$ | 91 | \$ | 31 |
| HIGH INCOME | \$ | 3,375 | \$ | 301 | \$ | 5,860 | \$ | 13,279 | \$ | 15,131 | \$ | 12,001 | \$ | 43,143 |

PAGE 2.

RUN DATE: 79/08/10

LAKE 3268 OPACHUANAU

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|--------|-------------|-------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| CONT. W. | 11,900 | 1,109 | | | 17,551 | 3,119 | 21,188 | 4,320 | 35,533 | 7,229 | 40,179 | 6,864 | 126,351 | 22,641 |
| PICKEREL | 19,299 | 5,602 | | | 22,719 | 8,589 | 32,132 | 15,263 | 12,020 | 6,815 | 17,877 | 6,510 | 104,047 | 44,779 |
| NORTH PIKE | 4,253 | 220 | | | 2,582 | 184 | 8,755 | 790 | 3,976 | 338 | 12,353 | 1,584 | 31,919 | 3,116 |
| TULLIBREE | | | | | | | | | | | 303 | 25 | 303 | 25 |
| GOLDEYE | | | | | | | 1 | | | | | | | |
| OTHERS | | | | | | | | | | | | | 1 | |
| TOTAL LBS | | 35,453 | | | | 42,852 | | 62,076 | | 51,529 | | 70,712 | | 262,622 |
| AMT | \$ | 6,931 | | | \$ | 11,892 | \$ | 20,373 | \$ | 14,382 | \$ | 16,983 | \$ | 70,561 |
| OPERATORS | | 6 | | | | 8 | | 6 | | 12 | | 19 | | 31 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 89 | | | | 84 | | 125 | | 114 | | 165 | | 577 |
| AVG. INCOME | \$ | 1,155 | | | \$ | 1,446 | \$ | 3,395 | \$ | 1,198 | \$ | 893 | \$ | 2,276 |
| LOW INCOME | \$ | 205 | | | \$ | 631 | \$ | 454 | \$ | 181 | \$ | 501 | \$ | 166 |
| HIGH INCOME | \$ | 2,447 | | | \$ | 2,615 | \$ | 7,588 | \$ | 4,548 | \$ | 3,115 | \$ | 11,885 |

OPTIONS: HOUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

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SUMMER LANDINGS BY LAKE

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3006 PLAYGREEN

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 21,412 | 5,870 | 45,944 | 13,477 | 64,944 | 21,492 | 53,184 | 13,117 | 47,409 | 9,935 | 69,669 | 10,410 | 302,562 | 74,301 |
| SMOKERS | 397,736 | 101,100 | 350,571 | 87,719 | 355,587 | 112,494 | 405,534 | 147,179 | 441,632 | 154,989 | 460,068 | 151,934 | 2411,128 | 755,415 |
| PICKEREL | 32,673 | 10,495 | 65,622 | 20,953 | 43,219 | 15,434 | 39,405 | 18,220 | 45,847 | 25,757 | 30,822 | 14,856 | 257,588 | 105,715 |
| SAUGER | | | | | | | 80 | 34 | 17 | 6 | | | 97 | 40 |
| NORTH PIKE | 28,363 | 1,563 | 46,624 | 2,150 | 17,256 | 1,658 | 33,594 | 1,975 | 13,531 | 687 | 24,713 | 1,346 | 164,681 | 9,379 |
| TULLTREE | 19,863 | 991 | 5,018 | 168 | 6,497 | 432 | 17,841 | 1,445 | 4,664 | 350 | 1,742 | 252 | 55,625 | 3,638 |
| PERCH | 80 | 9 | 13 | 2 | | | | | | | | | 93 | 11 |
| OTHERS | 80 | 4 | | | 27 | 28 | 82 | 114 | 74 | 94 | 747 | 834 | 1,010 | 1,074 |
| TOTAL LBS | | 500,207 | | 513,792 | | 487,530 | | 549,720 | | 553,174 | | 587,761 | | 3,192,184 |
| AMT | \$ | 120,032 | \$ | 124,469 | \$ | 151,538 | \$ | 182,084 | \$ | 191,818 | \$ | 179,632 | \$ | 949,573 |
| OPERATORS | | 50 | | 51 | | 50 | | 56 | | 53 | | 53 | | 82 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 1,249 | | 1,300 | | 1,182 | | 1,036 | | 1,070 | | 1,205 | | 7,132 |
| AVG. INCOME | \$ | 2,400 | \$ | 2,440 | \$ | 3,030 | \$ | 3,251 | \$ | 3,619 | \$ | 3,359 | \$ | 11,580 |
| LOW INCOME | \$ | 59 | \$ | 182 | \$ | 312 | \$ | 114 | \$ | 236 | \$ | 100 | \$ | 100 |
| HIGH INCOME | \$ | 5,966 | \$ | 5,915 | \$ | 7,179 | \$ | 10,537 | \$ | 9,924 | \$ | 10,363 | \$ | 39,749 |

1 - 11/11/79 11:45 AM

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SUMMER LANDINGS BY LAKE

FOR 5 YR. TRENDS

RUN DATE: 79/08/10

LAKE 3F58 SASKATCHEWAN RIV

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|---------|-------------|---------|-------------|--------|-------------|--------|-------------|--------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | 125 | 221 | 137 | 291 | 733 | 1621 | 4,945 | 1,024 | 24,496 | 5,637 | 30,436 | 6,874 |
| CONT. W. | | | 46 | 61 | 19 | 41 | | | | | | | 65 | 10 |
| PICKEREL | | | 99,335 | 33,346 | 102,014 | 36,425 | 34,646 | 16,353 | 26,146 | 14,704 | 28,130 | 13,509 | 290,321 | 114,337 |
| NORTH.PIKE | | | 32,958 | 2,579 | 22,460 | 1,915 | 26,279 | 1,877 | 12,966 | 1,351 | 10,872 | 1,400 | 105,535 | 9,122 |
| TULLIBEE | | | | | 23 | 21 | 117 | 171 | 66 | 71 | 917 | 821 | 1,123 | 108 |
| MULLETS | | | 21,320 | 1,157 | 23,567 | 1,010 | | | 387 | 151 | 10,151 | 272 | 55,425 | 2,454 |
| GOLDEYE | | | 12,334 | 1,850 | 5,388 | 808 | 7,277 | 1,160 | 4,264 | 737 | 9,664 | 1,666 | 38,927 | 6,221 |
| PERCH | | | | | | | 171 | 381 | | | | | 171 | 38 |
| OTHERS | | | 1,855 | 2,205 | 4,548 | 5,427 | 10,491 | 14,423 | 10,369 | 14,439 | 8,356 | 11,717 | 35,619 | 48,211 |
| TOTAL LBS | | | | 167,973 | | 158,156 | | 79,764 | | 59,143 | | 92,586 | | 557,622 |
| AMT | | \$ | | 41,165 | \$ | 45,620 | \$ | 34,030 | \$ | 32,277 | \$ | 34,283 | \$ | 187,375 |
| OPERATORS | | | | 15 | | 15 | | 18 | | 18 | | 18 | | 27 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | | | 658 | | 427 | | 380 | | 300 | | 455 | | 2,220 |
| AVG. INCOME | | \$ | | 2,744 | \$ | 3,041 | \$ | 1,890 | \$ | 1,793 | \$ | 1,904 | \$ | 6,939 |
| LOW INCOME | | \$ | | 801 | \$ | 271 | \$ | 261 | \$ | 107 | \$ | 58 | \$ | 58 |
| HIGH INCOME | | \$ | | 5,576 | \$ | 7,137 | \$ | 7,063 | \$ | 6,057 | \$ | 4,612 | \$ | 25,632 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

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LANDINGS BY DELIVERY POINT

FOR SIX YR. TREND

RUN DATE: 79/08/10

DLPT 3664 SAVAGE ISLAND

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 1,846 | 215 | 9,609 | 641 | 18,984 | 1,716 | 11,080 | 1,108 | | | 676 | 113 | 42,195 | 3,793 |
| CONT. W. | 600 | 70 | 394,729 | 30,962 | 142,024 | 12,593 | 6,601 | 677 | 4,590 | 484 | 1,334 | 22 | 549,878 | 45,008 |
| CUTTERS | 169,824 | 10,709 | 75,612 | 4,744 | 678,703 | 53,877 | 1071,643 | 98,263 | 951,192 | 81,260 | 569,023 | 69,053 | 3515,997 | 317,906 |
| PICKEREL | 56,495 | 15,306 | 140,736 | 32,586 | 323,591 | 70,047 | 379,003 | 137,166 | 497,670 | 230,571 | 309,525 | 121,551 | 1707,020 | 607,227 |
| NORTH PIKE | 63,895 | 2,327 | 143,017 | 5,354 | 344,856 | 17,217 | 451,012 | 40,386 | 480,370 | 41,131 | 378,048 | 45,702 | 1861,198 | 152,117 |
| LAKE TROUT | 708 | 82 | 1,235 | 195 | 5,014 | 752 | 3,187 | 357 | 1,610 | 382 | 1,853 | 451 | 13,607 | 2,219 |
| MULLETS | | | 22,276 | 796 | | | | | | | | | 22,276 | 796 |
| TOTAL LBS | | 293,368 | | 787,214 | | 1,513,172 | | 1,922,526 | | 1,935,432 | | 1,260,459 | | 7,712,171 |
| AMT | \$ | 28,709 | \$ | 75,278 | \$ | 156,202 | \$ | 277,957 | \$ | 353,828 | \$ | 237,092 | \$ | 1,129,066 |
| OPERATORS | | 80 | | 70 | | 147 | | 194 | | 165 | | 160 | | 401 |
| HIRE MEN | | | | | | 29 | | | | | | 2 | | 31 |
| DELIVERIES | | 1,085 | | 2,021 | | 4,615 | | 6,589 | | 6,128 | | 3,669 | | 24,107 |
| AVG. INCOME | \$ | 358 | \$ | 1,075 | \$ | 1,062 | \$ | 1,432 | \$ | 1,912 | \$ | 1,481 | \$ | 2,815 |
| LOW INCOME | \$ | 101 | \$ | 121 | \$ | 14 | \$ | 121 | \$ | 131 | \$ | 111 | \$ | 12 |
| HIGH INCOME | \$ | 1,103 | \$ | 6,883 | \$ | 5,822 | \$ | 7,000 | \$ | 7,857 | \$ | 6,704 | \$ | 31,868 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

| PAGE: 225 | | SUMMER LANDINGS BY LAKE | | | | | | | | | | FOR: SIX YR. TREND | | |
|--------------------|-------------|---------------------------|-------------|------|-------------|---------|-------------|---------|-------------|-----------|-------------|--------------------|-------------|-----------|
| RUN DATE: 79/08/10 | | LAKE 3F74 SOUTHERN INDIAN | | | | | | | | | | PROV: MANITOBA | | |
| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
| | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT |
| EXPORT | 624,963 | 61,720 | | | 590,552 | 123,906 | 672,445 | 170,036 | 884,414 | 242,513 | 447,103 | 97,280 | 3219,477 | 695,455 |
| CONT. W. | | | | | | | 4,736 | 1,205 | 1,688 | 340 | 351,143 | 57,042 | 357,567 | 58,587 |
| PICKEREL | 72,541 | 21,267 | | | 43,191 | 16,487 | 190,319 | 90,199 | 114,228 | 64,866 | 57,364 | 27,333 | 477,643 | 220,152 |
| SAUGER | | | | | | | | | | | | 110 | | 110 |
| NORTH PIKE | 49,952 | 2,594 | | | 23,781 | 1,926 | 56,943 | 6,134 | 98,148 | 9,230 | 100,318 | 13,353 | 329,142 | 33,237 |
| TULLIBEE | | | | | | | | | 222 | 22 | 15 | 11 | 237 | 23 |
| GOLDEYE | | | | | | | 81 | 14 | 174 | 29 | 87 | 14 | 362 | 57 |
| OTHERS | 25 | 1 | | | 175 | | | | | | | | 200 | 1 |
| TOTAL LBS | | 747,481 | | | | 657,699 | | 924,524 | | 1,098,874 | | 956,030 | | 4,384,608 |
| AMT | \$ | 85,582 | | | \$ | 142,319 | \$ | 267,588 | \$ | 317,000 | \$ | 195,133 | \$ | 1,007,622 |
| OPERATORS | | 70 | | | | 52 | | 74 | | 92 | | 89 | | 156 |
| HIRED MEN | | | | | | | | | | 21 | | 11 | | 3 |
| DELIVERIES | | 1,947 | | | | 1,373 | | 2,598 | | 2,796 | | 2,906 | | 11,620 |
| AVG. INCOME | \$ | 1,222 | | | \$ | 2,736 | \$ | 3,616 | \$ | 3,445 | \$ | 2,192 | \$ | 6,459 |
| LOW INCOME | \$ | 61 | | | \$ | 239 | \$ | 31 | \$ | 100 | \$ | 151 | \$ | 6 |
| HIGH INCOME | \$ | 4,513 | | | \$ | 12,954 | \$ | 16,284 | \$ | 22,072 | \$ | 8,782 | \$ | 62,800 |

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SUMMER LANDINGS BY LAKE

FOUR SIX YR. TREND

RUN DATE: 79/08/10

LAKE 3007 SPL11

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|--------|-------------|--------|-------------|-------|-------------|-------|-------------|--------|-------------|--------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 53,299 | 7,839 | 28,419 | 6,311 | | | | | 49,158 | 13,978 | 43,861 | 10,256 | 174,737 | 38,334 |
| PICKEREL | | | 10,942 | 3,517 | | | | | 27,133 | 11,635 | 5,384 | 2,539 | 43,459 | 17,691 |
| SAUGER | | | | | | | | | | | 3 | 1 | 3 | 1 |
| NORTH.PIKE | | | 84 | 5 | | | | | | | | | 84 | 5 |
| GOLDEYE | | | | | | | | | | | 233 | 34 | 233 | 34 |
| OTHERS | 850 | 932 | | | | | | | 2,266 | 3,228 | 1,262 | 1,761 | 4,378 | 5,921 |
| TOTAL LBS | | 54,149 | | 39,445 | | | | | | 78,557 | | 50,743 | | 222,894 |
| AMT | \$ | 8,771 | \$ | 9,833 | | | | | \$ | 28,791 | \$ | 14,591 | \$ | 61,986 |
| OPERATORS | | 18 | | 14 | | | | | | 20 | | 15 | | 40 |
| Hired Men | | | | | | | | | | | | | | |
| DELIVERIES | | 231 | | 135 | | | | | | 351 | | 247 | | 964 |
| AVG. INCOME | \$ | 487 | \$ | 702 | | | | | \$ | 1,439 | \$ | 972 | \$ | 1,549 |
| LOW INCOME | \$ | 231 | \$ | 58 | | | | | \$ | 250 | \$ | 315 | \$ | 23 |
| HIGH INCOME | \$ | 2,595 | \$ | 3,284 | | | | | \$ | 2,494 | \$ | 2,285 | \$ | 6,833 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

LANDINGS BY DELIVERY POINT

FOR: SIX YR. TREND

RUN DATE: 79/08/10

DLPT 3608 TAIT ISLAND

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|-------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | 13,039 | 4,106 | 2,894 | 1,044 | 1,195 | 480 | 5,711 | 1,232 | 22,839 | 6,862 |
| SMOKERS | | | | | 84,272 | 27,388 | 53,780 | 17,622 | 27,351 | 9,459 | 32,713 | 10,032 | 198,116 | 64,501 |
| PICKEREL | | | | | 22,614 | 8,091 | 11,456 | 5,260 | 2,307 | 1,291 | 8,640 | 3,950 | 45,017 | 18,592 |
| NORTH.PIKE | | | | | 3,160 | 448 | 3,111 | 178 | 1,534 | 83 | 7,138 | 435 | 14,943 | 1,144 |
| TULLIBEE | | | | | | | 731 | 56 | 642 | 48 | 280 | 40 | 1,653 | 144 |
| OTHERS | | | | | | | | | | | 747 | 834 | 747 | 834 |
| TOTAL LBS | | | | | 123,085 | 40,033 | 71,972 | 24,160 | 33,029 | 11,361 | 55,229 | 16,523 | 283,315 | 92,677 |
| AMT | | | | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| OPERATORS | | | | | | 10 | | 10 | | 8 | | 15 | | 19 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | | | | | 234 | | 154 | | 114 | | 156 | | 662 |
| AVG. INCOME | | | | | \$ | 4,003 | \$ | 2,416 | \$ | 1,420 | \$ | 1,101 | \$ | 4,446 |
| LOW INCOME | | | | | \$ | 2,300 | \$ | 901 | \$ | 57 | \$ | 43 | \$ | 43 |
| HIGH INCOME | | | | | \$ | 5,871 | \$ | 3,858 | \$ | 2,603 | \$ | 4,535 | \$ | 13,250 |

LANDINGS BY DELIVERY POINT

FOR: SIX YR. TREND

RUN DATE: 79/08/10

DLPT 3420 SANDY ISLAND

PROV: MANITOBA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 21,412 | 5,870 | 45,944 | 13,477 | 51,905 | 17,386 | 44,277 | 10,512 | 40,720 | 8,615 | 46,076 | 5,868 | 250,334 | 61,728 |
| SMOKERS | 397,736 | 101,100 | 350,571 | 87,719 | 271,315 | 85,107 | 287,340 | 100,412 | 363,997 | 127,156 | 243,651 | 75,075 | 1914,610 | 576,569 |
| PICKEREL | 32,673 | 10,495 | 65,622 | 20,953 | 20,605 | 7,343 | 25,130 | 11,487 | 38,511 | 21,683 | 11,735 | 5,368 | 194,276 | 77,329 |
| SAUGER | | | | | | | | 17 | | 6 | | | 17 | 6 |
| NORTH.PIKE | 28,363 | 1,563 | 46,624 | 2,150 | 14,096 | 1,210 | 30,378 | 1,788 | 10,341 | 521 | 15,825 | 791 | 145,627 | 8,023 |
| TULLIBEE | 19,863 | 991 | 5,018 | 168 | 6,497 | 432 | 16,886 | 1,351 | 3,477 | 261 | 1,417 | 201 | 53,158 | 3,404 |
| PERCH | 80 | 9 | 13 | 2 | | | | | | | | | 93 | 11 |
| OTHERS | 80 | 4 | | | 27 | 28 | 82 | 114 | 29 | 40 | | | 218 | 186 |
| TOTAL LBS | | 500,207 | | 513,792 | | 364,445 | | 404,093 | | 457,092 | | 318,704 | | 2,558,333 |
| AMT | \$ | 120,032 | \$ | 124,469 | \$ | 111,506 | \$ | 125,664 | \$ | 158,282 | \$ | 87,303 | \$ | 727,256 |
| OPERATORS | | 50 | | 51 | | 48 | | 53 | | 51 | | 46 | | 79 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 1,249 | | 1,300 | | 948 | | 819 | | 810 | | 713 | | 5,839 |
| AVG. INCOME | \$ | 2,400 | \$ | 2,440 | \$ | 2,323 | \$ | 2,371 | \$ | 3,103 | \$ | 1,897 | \$ | 9,205 |
| LOW INCOME | \$ | 591 | \$ | 182 | \$ | 145 | \$ | 114 | \$ | 236 | \$ | 306 | \$ | 114 |
| HIGH INCOME | \$ | 5,966 | \$ | 5,915 | \$ | 5,354 | \$ | 6,045 | \$ | 9,465 | \$ | 4,645 | \$ | 35,139 |

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SUMMER LANDINGS BY LAKE

FOR SIX YR. TRAIL

RUN DATE: 79/08/10

LAKE 2007 MONTREAL

PROV: SAS-ATC-LVAL

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|-------|-------------|---------|-------------|---------|-------------|--------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 130,959 | 28,164 | 190,576 | 38,765 | | | 183,204 | 43,629 | 82,366 | 21,079 | 67,512 | 13,447 | 654,517 | 145,283 |
| CUTTERS | 95 | 81 | | | | | | | | | | | 95 | 8 |
| PICKEREL | 53,846 | 18,712 | 11,937 | 4,032 | | | 22,515 | 10,137 | 17,952 | 9,875 | 6,120 | 2,759 | 112,370 | 45,515 |
| SAUGER | 73 | 71 | | | | | | | | | | | 73 | 7 |
| NORTH-PIKE | 7,584 | 600 | 12,318 | 1,042 | | | 7,076 | 545 | 3,518 | 314 | 2,277 | 323 | 32,773 | 2,824 |
| MULLETS | | | 3,660 | 183 | | | | | | | | | 3,660 | 183 |
| OTHERS | | | | | | | | | | | 909 | 487 | 909 | 457 |
| TOTAL LBS | | 192,557 | | 218,391 | | | | 212,795 | | 103,836 | | 76,818 | | 654,397 |
| AMT | \$ | 47,491 | \$ | 54,021 | | | \$ | 54,311 | \$ | 31,268 | \$ | 17,016 | \$ | 154,107 |
| OPERATORS | | 28 | | 27 | | | | 29 | | 24 | | 17 | | 48 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 254 | | 296 | | | | 331 | | 213 | | 106 | | 1,200 |
| AVG. INCOME | \$ | 1,696 | \$ | 1,630 | | | \$ | 1,872 | \$ | 1,302 | \$ | 1,000 | \$ | 4,643 |
| LOW INCOME | \$ | 367 | \$ | 78 | | | \$ | 241 | \$ | 66 | \$ | 20 | \$ | 20 |
| HIGH INCOME | \$ | 4,111 | \$ | 3,293 | | | \$ | 3,932 | \$ | 3,763 | \$ | 1,961 | \$ | 14,767 |

PAGE 1

LANDINGS BY DELIVERY POINT

FOM: SIX YR. TRENID

RUN DATE: 79/08/10

DLPT 2458 PELICAN HARRONS

PROV: SAS:ATCHEWAN

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 79,303 | 14,121 | 92,275 | 16,840 | 112,308 | 24,447 | 106,333 | 25,656 | 103,702 | 26,379 | 71,613 | 14,275 | 567,734 | 121,718 |
| CONT. W. | 78,887 | 11,334 | 101,544 | 15,937 | 71,189 | 13,029 | 144,906 | 27,245 | 133,049 | 24,156 | 105,812 | 15,731 | 635,387 | 107,432 |
| CUTTERS. | 72,099 | 5,674 | 41,022 | 3,405 | 31,968 | 2,969 | 10,623 | 480 | 4,131 | 192 | 23,728 | 1,602 | 183,571 | 14,822 |
| PICKEREL | 175,480 | 53,852 | 132,878 | 38,937 | 140,318 | 48,110 | 117,640 | 53,779 | 173,081 | 95,250 | 172,934 | 79,666 | 912,331 | 369,614 |
| NORTH PIKE | 117,532 | 7,977 | 90,099 | 7,079 | 81,942 | 7,848 | 86,647 | 6,557 | 127,957 | 10,527 | 116,312 | 14,753 | 620,684 | 54,741 |
| LAKE TROUT | 955 | 191 | 96 | 16 | 3,163 | 617 | 542 | 113 | 5,582 | 1,142 | 1,715 | 492 | 12,055 | 2,571 |
| TULLIBEE | | | | | 3,810 | 540 | | | | | 11,141 | 801 | 14,951 | 1,341 |
| OTHERS | 509 | | 46 | | | | 395 | 538 | 30 | | 16 | 22 | 496 | 560 |
| TOTAL LBS | | 524,765 | | 457,962 | | 444,698 | | 469,286 | | 547,532 | | 503,471 | | 2,947,714 |
| AMT | \$ | 93,149 | \$ | 82,714 | \$ | 97,560 | \$ | 114,368 | \$ | 157,646 | \$ | 127,362 | \$ | 672,796 |
| OPERATORS | | 68 | | 55 | | 45 | | 48 | | 53 | | 62 | | 124 |
| HIRED MEN | | | | | | | | | | | | | | 2 |
| DELIVERIES | | 2,120 | | 2,066 | | 1,357 | | 1,588 | | 1,978 | | 1,306 | | 10,415 |
| AVG. INCOME | \$ | 1,369 | \$ | 1,503 | \$ | 2,188 | \$ | 2,382 | \$ | 2,974 | \$ | 2,054 | \$ | 3,215 |
| LOW INCOME | \$ | 22 | \$ | 94 | \$ | 128 | \$ | 201 | \$ | 178 | \$ | 15 | \$ | 15 |
| HIGH INCOME | \$ | 5,819 | \$ | 5,397 | \$ | 6,963 | \$ | 7,445 | \$ | 8,874 | \$ | 14,305 | \$ | 34,028 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

1 This print-out includes production that was delivered by truck from Sandy Bay.

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SUMMER LANDINGS BY LAPE

FOR: SIX YR. TEND

RUN DATE: 79/08/10

LAPE 2162 PINEHOUSE

PROV: SAS+ATCHEWAN

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|--------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| CUTTERS. | 1,419 | 122 | 32,575 | 3,258 | 64,715 | 6,934 | 14,005 | 800 | 127,652 | 13,677 | 57,637 | 3,911 | 298,003 | 26,702 |
| PICKEREL | 52,776 | 16,943 | 68,560 | 21,620 | 86,951 | 29,644 | 86,695 | 39,584 | 116,512 | 65,525 | 123,460 | 57,100 | 536,554 | 230,416 |
| NORTH PIKE | 25,661 | 1,833 | 15,458 | 1,336 | 18,786 | 1,744 | 17,797 | 1,144 | 33,519 | 2,101 | 45,632 | 4,063 | 156,553 | 12,221 |
| OTHERS | | | | | | | 3,739 | | | | 1,079 | | 4,818 | |
| TOTAL LBS | | 79,856 | | 116,593 | | 170,452 | | 122,236 | | 279,683 | | 227,808 | | 996,628 |
| AMT | \$ | 18,898 | \$ | 26,214 | \$ | 38,322 | \$ | 41,528 | \$ | 81,303 | \$ | 65,074 | \$ | 271,339 |
| OPERATORS | | 8 | | 10 | | 9 | | 9 | | 14 | | 9 | | 21 |
| HIRED MEN | | | | | | | | | | | | 3 | | 3 |
| DELIVERIES | | 48 | | 191 | | 218 | | 195 | | 442 | | 362 | | 1,454 |
| AVG. INCOME | \$ | 2,362 | \$ | 2,621 | \$ | 4,258 | \$ | 4,614 | \$ | 5,807 | \$ | 7,230 | \$ | 12,920 |
| LOW INCOME | \$ | 287 | \$ | 170 | \$ | 377 | \$ | 82 | \$ | 379 | \$ | 814 | \$ | 459 |
| HIGH INCOME | \$ | 5,905 | \$ | 7,567 | \$ | 16,231 | \$ | 18,426 | \$ | 15,308 | \$ | 20,673 | \$ | 70,408 |

\$ R2.PR1 INTERRUPTED

PAGE 1 120

SUMMER LANDINGS BY LAKE

FDM: SIX_YR. TREND

RUN DATE: 79/08/10

LAKE 2059 SASKATCHEWAN RIVER

PROV: SASKATCHEWAN

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| PICKEREL | | | | | | | 128 | 54 | | | | | 128 | 54 |
| SAUGER | | | | | | | 12 | 4 | | | | | 12 | 4 |
| NORTH PIKE | | | | | | | | | | | | | | 2 |
| OTHERS | | | | | | | 3,830 | 4,902 | | | | | 3,830 | 4,902 |
| TOTAL LBS | | | | | | | | 3,770 | | | | | | 3,770 |
| AMT | | | | | | \$ | 2 | \$ | 4,960 | | | | \$ | 4,962 |
| OPERATORS | | | | | | | | | 13 | | | | | 13 |
| HIRE MEN | | | | | | | | | | | | | | |
| DELIVERIES | | | | | | | | | 36 | | | | | 36 |
| AVG. INCOME | | | | | | | \$ | | 381 | | | | \$ | 381 |
| LOW INCOME | | | | | | | \$ | | 33 | | | | \$ | 33 |
| HIGH INCOME | | | | | | | \$ | | 1,016 | | | | \$ | 1,016 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

RUN DATE: 79/08/10

LAKE 2069 CUMBERLAND

PROV: SASKATCHEWAN

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|-------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | | | | | 3,335 | 777 | 364 | 84 | 146 | 44 | | | 3,845 | 905 |
| PICKEREL | | | | | 23,170 | 7,933 | 11,049 | 4,696 | 14,985 | 7,717 | 1,403 | 569 | 50,007 | 20,915 |
| NORTH PIKE | | | | | 1,318 | 83 | 2,598 | 132 | 516 | 45 | | | 4,432 | 260 |
| LAKE TROUT | | | | | 36 | 29 | | | | | | | 36 | 29 |
| OTHERS | 6,630 | 9,621 | 6,279 | 7,074 | 7,231 | 8,258 | 3,907 | 5,252 | 7,519 | 10,110 | 8,009 | 10,990 | 41,575 | 51,305 |
| TOTAL LBS | | | | | | | | | | | | | | |
| AMT | \$ | 8,630 | \$ | 7,074 | \$ | 17,080 | \$ | 10,164 | \$ | 17,916 | \$ | 11,559 | \$ | 73,414 |
| OPERATORS | | 31 | | 22 | | 30 | | 33 | | 40 | | 32 | | 92 |
| HIRE MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 93 | | 74 | | 209 | | 145 | | 157 | | 79 | | 757 |
| AVG. INCOME | \$ | 310 | \$ | 321 | \$ | 569 | \$ | 308 | \$ | 447 | \$ | 361 | \$ | 797 |
| LOW INCOME | \$ | 17 | \$ | 72 | \$ | 10 | \$ | 31 | \$ | 30 | \$ | 27 | \$ | 10 |
| HIGH INCOME | \$ | 1,079 | \$ | 734 | \$ | 2,262 | \$ | 1,889 | \$ | 1,416 | \$ | 1,245 | \$ | 6,399 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

PAGE: 3

LANDINGS BY LAKE BY DEL.PT.

FORK SIX YR. TREND

RUN DATE: 79/08/10

LAKE 1037 LESSER SLAVE

DLPT:

TOTAL

PROV: ALBERTA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 164,870 | 23,771 | 154,952 | 24,918 | 87,951 | 17,386 | | | | | | | 407,773 | 66,075 |
| CONT. W. | | | | | | | 234,258 | 48,897 | 317,622 | 56,442 | 293,590 | 40,369 | 645,470 | 145,708 |
| PICKEREL | 5,551 | 1,749 | 506 | 170 | 2,014 | 725 | 14,541 | 6,775 | 11,143 | 5,534 | 7,641 | 3,327 | 41,346 | 18,280 |
| NORTH PIKE | 68,373 | 6,709 | 61,521 | 6,050 | 34,994 | 3,870 | 23,478 | 2,505 | 46,377 | 4,021 | 77,074 | 8,147 | 311,817 | 31,302 |
| TULLIBEE | | | | | | | | | | | 924 | 131 | 524 | 131 |
| PERCH | 373 | 30 | 133 | 19 | 442 | 65 | 704 | 110 | 611 | 153 | 319 | 76 | 2,582 | 453 |
| TOTAL LBS | | 239,167 | | 217,112 | | 125,401 | | 272,981 | | 375,753 | | 379,548 | | 1,605,962 |
| AMT | \$ | 32,259 | \$ | 31,157 | \$ | 22,046 | \$ | 58,287 | \$ | 66,150 | \$ | 52,050 | \$ | 261,949 |
| OPERATORS | | 58 | | 41 | | 33 | | 42 | | 36 | | 65 | | 174 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 847 | | 400 | | 267 | | 384 | | 362 | | 475 | | 2,755 |
| AVG. INCOME | \$ | 556 | \$ | 759 | \$ | 668 | \$ | 1,387 | \$ | 1,740 | \$ | 800 | \$ | 1,505 |
| LOW INCOME | \$ | 4 | \$ | 15 | \$ | 21 | \$ | 32 | \$ | 25 | \$ | 29 | \$ | 4 |
| HIGH INCOME | \$ | 5,501 | \$ | 9,710 | \$ | 4,112 | \$ | 6,930 | \$ | 7,275 | \$ | 5,694 | \$ | 22,907 |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

F 3E1 1

LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 1037 LESSER SLAVE

DLPT: 1A05 EDMONTON

PROV: ALBERTA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|-------|-------------|-------|-------------|-------|-------------|---------|-------------|-------|-------------|-------|-------------|---------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| CONT. W. | | | | | | | 105,145 | 26,653 | | | | | 105,145 | 26,653 |
| PICKEREL | | | | | | | 3,101 | 1,684 | | | | | 3,101 | 1,684 |
| NORTH PIKE | | | | | | | 5,919 | 924 | | | | | 5,919 | 924 |
| PERCH | | | | | | | 193 | 44 | | | | | 193 | 44 |
| TOTAL LBS | | | | | | | | 114,358 | | | | | | 114,358 |
| AMT | | | | | | | \$ | 29,305 | | | | | \$ | 29,305 |
| OPERATORS | | | | | | | | 12 | | | | | | 12 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | | | | | | | 119 | | | | | | 119 |
| AVG. INCOME | | | | | | | \$ | 2,442 | | | | | \$ | 2,442 |
| LOW INCOME | | | | | | | \$ | 130 | | | | | \$ | 130 |
| HIGH INCOME | | | | | | | \$ | 6,930 | | | | | \$ | 6,930 |

PAGE: 1

LANDINGS BY LAKE BY DEL.PT.

FOR: SIX YR. TREND

RUN DATE: 79/08/10

LAKE 1037 LESSER SLAVE

DLPT: 1A03 FAUST

PROV: ALBERTA

| | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|
| | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT | LBS. | \$AMT |
| EXPORT | 164,870 | 23,771 | 154,952 | 24,918 | 67,951 | 17,386 | | | | | | | 407,773 | 66,075 |
| CONT. W. | | | | | | | 129,113 | 22,244 | 153,932 | 27,150 | 162,866 | 22,394 | 445,911 | 71,768 |
| PICKEREL | 5,551 | 1,749 | 506 | 170 | 2,014 | 725 | 11,440 | 5,091 | 5,525 | 3,011 | 1,280 | 557 | 26,316 | 11,303 |
| NORTH PIKE | 68,373 | 6,709 | 61,521 | 6,050 | 34,994 | 3,670 | 17,559 | 1,581 | 29,259 | 2,722 | 53,414 | 5,687 | 265,120 | 26,919 |
| PERCH | 373 | 30 | 133 | 19 | 442 | 65 | 511 | 66 | 280 | 70 | 166 | 40 | 1,907 | 290 |
| TOTAL LBS | | 239,167 | | 217,112 | | 125,401 | | 158,623 | | 188,996 | | 217,728 | | 1,147,027 |
| AMT | \$ | 32,254 | \$ | 31,157 | \$ | 22,046 | \$ | 28,982 | \$ | 32,953 | \$ | 28,878 | \$ | 176,275 |
| OPERATORS | | 58 | | 41 | | 33 | | 30 | | 24 | | 37 | | 129 |
| HIRED MEN | | | | | | | | | | | | | | |
| DELIVERIES | | 847 | | 400 | | 267 | | 265 | | 230 | | 278 | | 2,287 |
| AVG. INCOME | \$ | 556 | \$ | 759 | \$ | 668 | \$ | 966 | \$ | 1,373 | \$ | 780 | \$ | 1,366 |
| LOW INCOME | \$ | 4 | \$ | 15 | \$ | 21 | \$ | 32 | \$ | 25 | \$ | 31 | \$ | 4 |
| HIGH INCOME | \$ | 5,501 | \$ | 9,710 | \$ | 4,112 | \$ | 5,929 | \$ | 4,174 | \$ | 3,073 | \$ | 22,907 |

OPTIONS: MOUND EQUIVALENT LHS
 OPTIONS: FINAL PAYMENT EXCLUDED

PAGE 2

LANDINGS BY LAKE BY DEL. PT.

FOR: SIX YR. TREN

RUN DATE: 79/08/10

LAKE 1037 LESSEH SLAVE

DLPT: 1A08 JOUSSARD

PROV: ALBERTA

| CONT. W. | SUMMER 1973 | | SUMMER 1974 | | SUMMER 1975 | | SUMMER 1976 | | SUMMER 1977 | | SUMMER 1978 | | ALL SEASONS | |
|-------------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|--------|-------------|--------|-------------|--------|
| | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT | LBS. | SAMT |
| PICKEREL | | | | | | | | | 163,690 | 29,292 | 130,724 | 17,975 | 294,414 | 47,267 |
| NORTH PIKE | | | | | | | | | 5,618 | 2,523 | 6,361 | 2,770 | 11,479 | 5,293 |
| TULLIBEE | | | | | | | | | 17,118 | 1,299 | 23,660 | 2,260 | 40,778 | 3,559 |
| PERCH | | | | | | | | | 331 | 63 | 924 | 131 | 924 | 131 |
| TOTAL LBS | | | | | | | | | | | 186,757 | | 161,820 | |
| AMT | | | | | | | | | \$ | | 33,197 | \$ | 23,172 | \$ |
| OPERATORS | | | | | | | | | | | 14 | | 28 | |
| HIRED MEN | | | | | | | | | | | | | | 33 |
| DELIVERIES | | | | | | | | | | | 152 | | 197 | |
| AVG. INCOME | | | | | | | | | \$ | | 2,371 | \$ | 827 | \$ |
| LOW INCOME | | | | | | | | | \$ | | 34 | \$ | 29 | \$ |
| HIGH INCOME | | | | | | | | | \$ | | 7,275 | \$ | 5,644 | \$ |

OPTIONS: ROUND EQUIVALENT LBS
 OPTIONS: FINAL PAYMENT EXCLUDED

APPENDIX VOther Proposals:

The list of projects proposed but not assessed. More information about these proposals in this report is available.

A) MINOR REQUESTS

- 1) Good Harbour - a derrick for lifting motors out of boats.
- 2) Dawson Bay - a derrick for lifting motors out of boats.
- 3) Winnipeg Beach - finger docks for the fishermen.

B) PROJECTS IN MANITOBA

- 1) Camperville, Lake Winnipegosis - no formal submission made and it was deemed a low priority because it would only benefit a few fishermen.
- 2) Setting Lake - not needed because Manitoba Hydro has responsibility for this site.
- 3) Wharves at a number of isolated harbours of refuge on Lake Winnipegosis.

C) PROJECTS IN SASKATCHEWAN

| | |
|------------------------------|--------------------------------------|
| Sandy Island ¹ | Southend - Lac La Ronge ² |
| Miton Island ² | Black Bear Island Lake ² |
| Cree Lake ¹ | Iskwatikan Lake ² |
| Stony Rapids ¹ | South Wood Lake ¹ |
| Black Lake ¹ | ½ Way Wood Lake ¹ |
| Stanley Mission ² | Premeau Lake ¹ |
| Wapawekka Lake ² | Dipper Lake ¹ |

D) PROJECTS IN ALBERTA

Campsite (Tokyo Syne)³

E) PROJECTS IN N.W.T.

Another wharf at Hay River on the main channel.

F) LAUNCH RAMP REQUESTS

These were not assessed because the majority are used mostly by recreational craft and are not required for fishing vessels.

¹ The size of the dock required is only about 6' by 20' and the size of the fishery at these spots make Small Craft Harbours investments unadvisable.

² These places were not proposed until the study was in its final stages and, therefore, no assessment was made.

³ Located at a Spring Fishing Camp near Fort Chipewayan suggested by R.A. Schlader, F.F.M.C.

G) REQUEST FOR REPAIRS TO NON-FEDERAL WHARVES

Proposals to repair wharves that were not built to Small Craft Harbours Branch standards, but that did not require replacement, were not considered as the present program only allows the Branch to repair federal facilities, i.e. repairs required at Deschambault Lake, F.F.M.C. Fish Packing Dock and at Ballantyne Bay, F.F.M.C. Fish Packing Dock and countless other small makeshift wharves around the region.

H) REQUESTS FOR FACILITIES THAT WOULD MAINLY SERVE RECREATIONAL USERS

This information is on file.

Most of the requests from Alberta and several from Saskatchewan and Manitoba fell into this category.

APPENDIX VI

Replacement Cost Methodology Used by DPW

The following methodology was used to obtain replacement cost estimates for the Small Craft Harbours Branch facilities in the Western Region:

- 1) Working from transfer plans the quantities of the major wharf components such as length of steel sheet pile wall, crib volumes, deck area, number of pile bents, concrete volume, fill volumes, etc. were obtained.
- 2) Each item was multiplied by the corresponding unit cost to obtain a price. Then appropriate engineering fees were added.
- 3) For those facilities where a cost for complete reconstruction was available within the last three years, the estimated and actual costs were compared. This showed that on average, the estimated costs were 7% too low, consequently all estimated costs were increased by 7%.

The following unit costs were used to estimate the replacement costs:

| | |
|-------------------------|---------------------------|
| - steel sheet pile wall | - \$ 1350.00/lineal metre |
| - timber crib | - 78.50/m ³ |
| - crib ballast | - 12.00/m ³ |
| - timber wharf deck | - 120.00/m ³ |
| - approach fill | - 12.00/m ³ |
| - timber pile bents | - 1790.00 each |
| - mass concrete | - 250.00/m ³ |
| - structural concrete | - 500.00/m ³ |

Replacement costs are based on 1978.

The replacement cost estimates provided by this methodology are expected to within 25% plus or minus of the actual value.