

1972 SAKAMI - OPINACA - EASTMAIN RIVERS

Lake Albanel, Wabassinon River, Lake Baudeau, Shigami River, Eastmain River, Cauouatstacau River, Lake Daru, Lake Rossignal, Lake Gasparin, Sakami River, Frigate Lake, Sakami River, Lake Sakami, Boyd Lake, Opinaca River, Eastmain River, Eastmain House

Maps Required: Surveys and Mapping Branch
Department of Mines and Technical Surveys
615 Booth Street
Ottawa

1: 8 mile Series (1:500,000) Used for overall picture
Mistassini 32 NE
La Grande 33 SE
Eastmain 33 SW

1 : 250,000 Series
Mistassini River North 32 I
Lac Baudeau 32 P
Lac Rossignol 33 A
Lac Sauvolles 33 H
Frigate Lake 33 G
Sakami Lake 33 F
Opinaca Lake 33 C
Eastmain 33 D
Lichteneger Lake 33 B (carried only for emergency)

1 : 50,000 Series
Lac Sakami Nord 33 F 7
Lac Sakami Sud 33 F 2
Boyd Lake 33 C 15
(no name) 33 C 10
Lac Opinaca 33 C 9

Travel Permit for Mistassini Park must be obtained from Minister of Tourisme of Fish and Game, Director General of Parks, Hotel du Government, Quebec. Fishing licenses must be purchased for the entire party. \$10.50 for Staff and Guide. \$4.25 per camper. \$50 fee for travel permit.

Transportation to Lake Albanel via 2 station wagons and rented Hertz truck from North Bay. Night on way up spent at cabin on Lake Tiblemont (See previous Eastmain Reports). Lake Albanel is 100 miles north of Chibougamau.

Re-outfitting done by Fecteau Airway, Chibougamau. See previous Eastmain reports. Re-out location supposed to be Gasparin Lake. See comments to follow.

KKK to Albanel --

Road to Albanel 112 miles from Chibougamau. 100 miles from Waconichi Gate.

Albanel landing -- road is a dead end straight ahead, turn left into Government campsite. Small trailer park with tables and tent sites and fishing dock, etc. Small Indian tent housing to south of landing.

Follow left shore out of bay and then cross to closest island on south end of it. We started bearing north too soon and came into bay north of river exit looking for a campsite.

Nothing suitable at all where we went.
We camped on north end of finger-like island directly east
of first marked rapid. ($73^{\circ}6' 51^{\circ} 8'$) Pretty bad.

Albanel Island to Rapids out of Albanel --

Current indicates way to rapid heading south west from island
campsite.

At narrows before marked rapids there is one with an island in
middle. We ran right side of island which is fairly shallow
more or less down the middle. Indian runs left side at least
going back up, comes up behind a rock in the middle of that
side and cuts toward shore side.

Portage around rapids is in bay on left side before marked
rapids. Goes behind cliffs on left side of rapid and is very
widely cut through a burn to a small pond. Old portage trail
starts on north corner of bay well before any heavy water.
Old Indian campsite at head of old portage we used. OK for a
night but not great. Trout in rapids - small.

Albanel Rapids to Point after Fishing Camp before Crossing --

Portage about 900 yards from campsite or from dock in bay on a
well cut, wide trail through a very recent burn, but portage
has all been re-cut since burn. Puts in in a pond. Trail
continues to right of pond if desired to make portage in one
walking trip, but better to load up at pond.

Pond is paddled to narrow stream at other end. Trail crosses
stream at this point and we had to pull a couple logs out of
the way to pass through. Stream widens into another pond and
then narrows to a stream again to landing on grass that gives
a good trail back to main trail -- whole paddle saves
probably 400 yards of carrying and is well worth it.

1200 yards on another well cut trail to a sand beach in bay
south of river entrance. River does not drop that much
judging by drop of portage trails, but is supposed to be all
falls and heavy water like Great Bend.

No good Indian campsites along the way or at the end. One
possible one after pond at start of 1200 yarder, but very
poor.

Quebec Government Fishing Camp on island at south end of deep
bay into which river exits ($73^{\circ}9' 51^{\circ} 9'$). Indian tents on
thin point that runs north-south and is to west of Fishing
Camp.

We camped on east side of tip of point before crossing using
three different Indian sites in the process ($73^{\circ} 10' 51^{\circ} 10'$).
First one held one tent. Second the kitchen and a tent and
third should have three tents (one of ours found a place
back in bush between 2nd and 3rd they thought better). Well
protected from all but an east wind, or north east.

Crossing to Islands --

Compass heading to opening was about 10° East of North.

Bearing to nearest land is about 330° .

We crossed directly to opening -- maybe 4 miles in 55 minutes
against a light head wind.

Campsite on north east corner of small island just past
southern island ($73^{\circ} 11' 51^{\circ} 13'$). Pretty reasonable Indian
site -- large and pretty decently cleared. Landing on semi-
smooth rock.

Islands to Third Carry on Wabassinon --

Crossing to West shore about 315° compass bearing -- head for highest hill that can be seen in that direction and course will be right.

We were at portage in 2 hours with two photographic stops along the way.

Surveyors or Hydro or Natural Resources camp in bay just east of portage about 1-2 miles. Pretty large ($73^{\circ} 18' 51'' 16'$)
SEE 1969 REPORT FOR DETAIL FROM MOUTH OF WABASSINON TO SHIGAMI RIVER AT HEAD OF LAKE BAUDEAU

Only one trout taken out of 1st rapids at mouth of Wabassinon. Lots of Indian sites on stretch of Wabassinon that runs due north from $51^{\circ} 16'$ to $51^{\circ} 21'$

Maybe 2nd portage could be lined up more easily than carried. Loading spot is really terrible. $73^{\circ} 18' 51'' 22'$

Campsite at start of 3rd portage is excellent. $73^{\circ} 18' 51'' 23'$
There is **also** one at top of portage. Nothing but pike caught at 2nd and 3rd carries.

3rd Carry on Wabassinon to 1st Carry on Stream to Baudeau --

There is a very short pull up on left just before portage that is avoided by pulling. Actually harder than the one at the portage. $73^{\circ} 17' 51'' 25'$

Two pull ups on stretch that runs north after 150 yard portage Both short and easy and both on left. $73^{\circ} 18' 51'' 27-28'$

A couple narrow places during run to east before Baudeau portage $73^{\circ} 16' 51'' 29'$

On stream to Baudeau there are a couple shallow, rocky areas and perhaps two that might be called rock dodging short runs. $73^{\circ} 13' 51'' 31'$

1st Portage on Stream to Baudeau ($73^{\circ} 13' 51'' 32'$ to Baudeau --

Leaving portage not a great deal of rock dodging to pond.

Just before 30 yard portage there is a little rapid which we let down on right. $73^{\circ} 12' 51'' 32\frac{1}{2}''$ It might be possible to let down 30 yard portage on right. Top is pretty easy.

Problem is at foot. S-shaped water; top is steep and was run starting on left and run out top on right. After turn there is not much to rest of rapid except a couple stones to miss. $73^{\circ} 16' 51'' 33'$

We let down chute after 1200 yarder and could not run, rocks in foot in lower water. We ran rock dodger below very slowly taking right channel at foot. $73^{\circ} 11' 51'' 35'$

Campsite on Baudeau on tip of point rather than north of it as previously indicated. $73^{\circ} 5' 51'' 46'$

Baudeau to 1st Marked Rapid on Shigami --

Very well built Indian winter camp on north shore just after entering river. $73^{\circ} 6' 51'' 48'$

We followed north branch of river, which is probably wrong. No sign of Indian travel at all. As last straight stretch is reached $73^{\circ} 10' 51'' 49'$ rapids start that run for 1-2 miles. We ran in 3 jumps and lined the last part near island at foot. 1st part was a horse race, more or less down center and left of center. Then a ledge appeared out from left shore. We stopped, scouted, and ran starting on right side, to center, and ran out on left to next pause. Then scouted rest plus north side of island, crossed and ran right side to eddy on

right shore just before small island ($73^{\circ} 12' 51'' 43'$), crossed to tiny eddy at very tip of island and lined north channel on island side almost to foot and lifted over a falls of 3-4 feet and then ran little trail off afterwards.

Banks of river are clay and hard to land on for lunch, swamp just back of ridge that makes the bank plus balsam and spruce too thick. A couple Indian sites about 2 miles before marked rapid could be used for lunch. One big river horse race on the way run in center and a couple places where a few rocks make a riffle.

1st marked rapid ($73^{\circ} 16' 51'' 50''$) has a possible run on right down about half way and then goes over a ledge. Carry is on right starting at an Indian campsite. 150 yards on any of several trails -- they all start and end together -- puts in in a small bay to north of river behind a point.

Campsite adequate, but bank steep and drawing water is tough and no bathing on clay shore.

1st Marked Rapid on Shigami to Cut Off to Eastmain --

Run off below rapid had to be run toward center of stream.

Almost a ledge on right shore.

Just below 1st marked rapid river bends north and a string of island occurs after bend. ($73^{\circ} 16\frac{1}{2}' 51'' 49\frac{1}{2}'$) We ran left shore -- fairly far out to top of largest island. We scouted right side of island finding a run but concerned over one stone in the foot and went around to channel between northern most island and north shore and had to let down about 30 yards on north shore and then run out rest. Probably should have run the original channel we found. Channel between northern island and just south of it looked too steep at foot.

Next marked rapid ($73^{\circ} 17' 51'' 51''$) portaged on left 150 yards through a partial burn and over a rocky trail. Rapid is almost a falls. Trail starts at lip of serious white water and getting to start of trail is tough and should be scouted.

About 1/2 mile before next northern bend ($73^{\circ} 20' 51'' 20''$) is a short rapid, run on left through a good V. Rest is shallow and almost ledge like.

At top of turn, rapid unmarked is run on northern side of small island.

1st of pair of marked rapids ($73^{\circ} 23' 51'' 53''$) run on right cutting just outside a cellar to stay out of major white water.

A short calm follows and 2nd marked rapid of the pair also run on right fairly far from shore but short of major white water.

About 1 - $1\frac{1}{2}$ miles above on north shore where river swings west again ($73^{\circ} 23' 51'' 54''$) was an Indian winter site of last year. Well built 1/2 budding tent and 1/2 wall tent frame.

About a mile farther on on south shore was an ancient camp.

Cut off to Eastmain starts in a burn on north side before next rapid. ($73^{\circ} 24' 51'' 55''$) There are two routes, one starting in a small bay, the easternmost one that can be paddled into. Trail starts almost as far into bay as it is possible to go and goes over a small hill to a pond. It would be possible to portage on right of creek that enters bay from the pond up past a beaver dam on the creek and paddle for a distance on creek. Did not check to see if paddle goes all the way to pond.

There is a second method in next bay on a rocky shore to a

tear shaped small pond and then another portage to the larger pond. 1st one is 150 yards, 2nd 100 yards. All are old trails just possible to find in the burn. Dunmore section apparently ran the next rapid (73° 25' 51° 55') We scouted it a little and it looked like there was a run on the left side at least to an eddy part way down.

Cut Off to Lake at Height of Land --

We took pair of portages listed before through tear drop shaped pond having camped the night before on the Shigami side of the 1st portage in the burn -- poor, but tent sites are possible.

Stream enters pond at north east corner of bay at north west end of pond. Creek can be paddled for a ways and the portage trail is on right. 73° 24' 51° 56' Trail seems to start farther down creek than we used it so maybe we cut into trail -- it was only a couple yards. 100 yards. Not recently used, but followed easily.

Next portage at end of thin pond on left of stream entrance. Very hard to follow, stays left of stream on high ground and skirts the side of a hill. Trail easier to find after hill is rounded. 250 yards.

Next portage in north corner of north east bay of pond is almost non-existent. We scouted a route around a hill and then to foot of next hill and around the base of that hill on left side. Maybe some of it was real trail, but hard to tell. 300 yards.

Next pond paddled to east end and portage leaves at end of bay. 150 yards. Trail easier to follow.

Out of next pond 25 yards just to right of stream. A little wet but easier than beating through bush on higher ground.

All seven portages all day have been through an old burn. No sign of any old Indian camps through the whole area, only lunch fires at beginnings or ends of a portage. No good campground possibilities either.

We camped on lake at height of land on north shore just before portage bay on a sandy rise on reindeer moss. 73° 23' 51° 57' Difficult getting canoes unloaded and out of water. Not much in the way of a site, but all we could find.

Height of Land Lake to Mouth of Kawatstakau River --

Portage over height of land leaves from right corner of small bay, to right of a small underground stream. Goes up a slight hill and then level and down at end. Trail was once well used. Easy to follow with no major windfalls or wet areas. 800 yards. Puts in on a rocky shore.

Lake is paddled to small bay at north end and creek leaves from there in a rapid about 200 yards long that can be run but should be scouted first. 73° 24½' 51° 59' Worst spot right at foot where rapid shallows and runs out.

Portage to Eastmain leaves pond on right side before next rapid beyond. Goes up a short hill to an ancient Indian site and then is either level or downhill. Goes through a really old burn, but trail is easy to follow and few windfalls. One wet area about 3/4 way over where trail is hard to find -- crosses a small brook instead of continuing straight. Puts in in a tiny stream entrance about 1/4 - 1/3 miles above where stream hits Eastmain. About 1 1/4 miles.

Best campground at start of trail but would be in a burn.
SEE 1969 NOTES FROM HERE TO MOUTH OF KAWATSTAKAU. Amend '69
notes -- no rapid just before mouth of Kawatstakau.
Campsite at mouth of Kawatstakau quite spacious. No dry wood
available, however. Portage about 150 yards past rapid.

Mouth of Kawatstakau to Lake Muiron --

Less than a mile up another rapid -- small falls really. $73^{\circ} 36' 51'' 59'$ Portage on left at foot of falls. 30 yards.
Has been used as a campsite for one tent and could be
enlarged. Very steep bank down at upper end, but loading on
a clay-sand beach.

About 2 miles up another rapid $73^{\circ} 27' 52'' 0'$, longer than one
before. Portage on left 75 yards. Loading room for 2
canoes. Could be used as a campground.

About 1 - 2 miles up another rapid, less steep than previous
two. Portage on right. 75 yards. Poorer trail than others
Loading area on rocks. No campsites.

Then a paddle against current to start of Marbois Lake.

Current greatest just before lake with a couple swifts.
Immediately a rapid falls into river to right rear as lake is
entered. $73^{\circ} 39' 52'' 1'$ Portage on right 800 yards. Good
lunch site at start. Couple Indian tent sites at top and
could have more. Trail ends on rocks with a heavy horse
race still above. We carried last 100 yards on rock shore
to top of horse race. Loading very shallow. Indian maybe
paddles or poles horse race.

Almost immediately after portage there is a blind bay on right
that looks like it is just a branch of river. There is
another about 2 miles up on left also. Neither show on map
.. very well.

About 3 miles above last portage another rapid. $73^{\circ} 29' 52'' 2\frac{1}{2}'$
Portage on left 400 yards. Takes out before rapid being
carried can be seen and puts into a bay off the river at top
so rapid is never seen. Campsite a top of carry.

No campsites seen on Gaudin and none on Muiron either.

We camped on a point on left about 1/2 way down Muiron in a
very poor spot with tent sites on small knoll and kitchen on
wet pebble-clay beach. $73^{\circ} 39' 52'' 3'$ Terrible.

Muiron to 2nd Rapid above Catillon --

No campsites seen the rest of Muiron. Some swifts to paddle
between Muiron and Louvois.

Country at Louvois, at least west end, changes abruptly from
spruce covered shores to sparsely forested rock. 1704
mountain is quite attractive in appearance from water.

Fairly large camp on point on left as river is entered from
Louvois. $73^{\circ} 43' 52'' 5'$

Current reasonable most of way up river -- enough to make
paddling the banks worthwhile. One pretty fair swift to
right of an island just about where south branch leaves.
 $73^{\circ} 42' 52'' 7'$. We followed north branch which is much
bigger water than south. Current fair. One rapid that had
to be lined up the center -- getting wet a little -- about a
mile before branches join and rapid is marked. $73^{\circ} 44' 51'' 7'$

One tent Indian site on right before marked rapid.

Before marked rapid there is a horse race that would be run coming down. We lined up on right for part of it and paddled top.

Trail around major rapid on right at foot of major rapid on sand landing. 40 yards. Trail ok, but start and end had to be cleared of alder. Not as well used as some seen before.

One swift about a mile and a half up was tough. A couple others to next marked rapid.

Stream to Catillon looks to go through to lake. Just above on left is a flat jack pine area that would make a good campsite. Indian had an old cache at north end of the area.

1st marked rapid above Catillon is a small falls. $73^{\circ} 45' 52'' 9'$ Lifted over rocks which are about 10 yards out from left shore. 15 yards.

At 2nd marked rapid above Catillon $73^{\circ} 45' 52'' 10'$ first stream enters on left and second stream is straight ahead. Portage is on left just before second stream. 400 yards. Good trail -- much better than previous one. Well used. Good Indian site at foot. Poor one at top. We used one at foot. Carry was right by a pool in rapids where view is quite good. Looked to be good fishing, but nothing caught.

Second Rapid above Catillon to Creek to Dejean --

After top of portage there is a Y in river, take left branch, right one goes down stream.

About 1 - 2 miles above another rapid. $73^{\circ} 46' 52'' 12'$ Portage on right. There are two trails. Left trail puts back into river after only 30 yards and would leave a great deal of the rapid to be lined. Right trail goes to top of this rapid and then sharp right turn swings around next pitch. The second part had to be cut so that canoes could go through. In all trail is about 250 yards and is now reasonably clear for canoes. Loading at top room for only one canoe. Then a little swift or two have to be paddled on left side of channel to right of small island.

From there except for a couple fairly easy swifts to climb there is clear sailing to creek to Dejean.

About 2 miles before creek country opens up into less well wooded, sandy, rocky shore lines and is much more attractive.

Cache of Indian sleds just after U shaped area of river.

$73^{\circ} 38' 52'' 13'$ Then an ancient winter camp.

Portage parallel to creek starts about 100 - 150 yards before rapid on left just past a little indentation in the shore line. $73^{\circ} 37' 52'' 14'$ There is an ancient trail that starts about 200 yards before this that could be used. It was once well traveled. Good large Indian campsite at start of trail. Portage 500 yards to a pond in river. Trail mostly over open country. Well traveled and easy to follow.

Creek to Dejean to Creek above Adye --

Paddle across pond to foot of rapid that falls into pond.

Portage on left of creek. Old Indian campground toward top of portage. Just before alder next to river, turn left on a very faint trail and across a small section of boulders on a dry creek bed and put in at top of ledge. If trail is followed straight ahead shore line has to be walked which is much harder. 100 yards, good trail to split.

Paddle across river and up next to right shore for 30 yards of fast water just before a little drop that can not be paddled. Trail goes up a steep hill and then follows a ridge of high land to pond to right of river. View from top of hill is excellent. 500 yards, good trail. Possible to camp at either end of trail, but start would be very hard to draw water and foot drops rapidly to water.

Paddle across pond to start of next trail about half way down north side of pond and just before point that juts out into pond. Trail goes to an Indian campsite and then bears left actually before campsite is reached and then goes up a hill and down the other side. 500 yards; trail good but bushy in spots. Drop to water is steep. Excellent view of Dejean from top of hill.

Whole area is in a very old burn and trees are usually widely spaced and walking easy.

About 2 miles after last portage is a 5 - 8 foot falls in the stream out of Dejean $73^{\circ} 34' 52'' 16'$ that has to be lifted over 20 yards on right just before falls.

About 2 miles above are two rapids preceeded by a horse race that must be lined on right. $73^{\circ} 33' 52'' 16'$ Trail on right at foot of first rapid and carries both rapids in one jump. 300 yards, good trail, but at one point goes up over a hill. Indian campsite at start of trail. Loading area on boulders about 15 yards out from tree line.

Just before Adye another double rapid carried in a single jump. $73^{\circ} 29' 52'' 18'$ Portage on left again goes up over a hill -- view of Adye particularly good at top of hill just before drop to water. 300 yards. No campsites. Puts in in shallow rocky area.

Creek leaves Adye at north west corner of circular bay at top of Adye. There is an old camp on point on left, another in bay just past point on left, and another on left in burn after creek swings right. Sand beach at head of Adye had something on it that looked like gas drums, but we did not go close enough to check.

Bay of Adye is burned and so are both shores of creek and ponds at start of creek. Several level places that could be used as campsites if desired, but would be in burn.

About 2 miles above Adye a short, steep rapid, portage on left. $73^{\circ} 24' 52'' 22'$ Trail has been blocked by blow downs, but the portage can be made easily behind them. 50 yards. Indian site at top of portage. Quite level with ground just covered with new growth.

Creek above Adye to Start of Portage to Daru --

Narrow stretch above campsite has high cliffs to both sides. Several pull ups along way to Planat unmarked.

One short portage maybe half way up around a steep rapid. Just before largest pond before Planat portage on left from a bay across a point of land $73^{\circ} 23' 52'' 23'$ 30 yards pretty much on own trail.

After pond a cascade falls into pond. $73^{\circ} 22' 52'' 23'$ Portage on left through burn on old trail that is hard to find but parallels the river and rises gradually most of the way. 400 yards, fairly easy walking.

Just before Planat a rapid falls in on left, paddle past it into bay to east of rapid and carry 30 yards to right of a

very small almost underground stream to a bay off Planat.
Poor trail mostly burned.

Leave Planat by south channel of two and after two come together portage on left through a burn 50 yards to a very shallow landing. $73^{\circ} 21' 52^{\circ} 24'$

We lost the Indian through here so the last portage was probably our own.

Pond area follows and at head of it portage 30 yards on right around a cascade. Bench mark at foot of cascade on other side. Portage really follows an old stream bed and probably was our own making.

About half way to ponds we made a portage on right around a couple rapids too steep to line mostly on reindeer moss and pretty open. 250 yards. $73^{\circ} 17' 52^{\circ} 25'$

Just before ponds we cut another portage on right starting on reindeer moss and then through spruce around an S-shaped area. 300 yards. $73^{\circ} 17' 52^{\circ} 26'$

We were supposed to have lined 8 times during the day also, several fairly tough ones with rocks to round, but in general banks were easy to walk and those carried had falls or steep drops to them. We lost the Indian probably before Planat and did not find him again until portage to Daru.

Ponds are paddled -- there is another bench mark where they start -- going into bay on north east. There is a very narrow creek that must be paddled into the north east bay with just enough water to get through. $73^{\circ} 18' 52^{\circ} 26'$

Portage to Daru at most eastern point of bay. Campsite at head of portage mostly on reindeer moss. Old Indian site. Perfectly useable.

Daru Portage to 10' Falls north of Daru --

Portage to Daru 800 yards, good trail, little wet in spots.

Indian campsite at top of portage, but not as good as one at foot.

Surveyor's camp on west shore as turn to north is made. $73^{\circ} 16' 52^{\circ} 29'$. We went up to north west to a very narrow rocky stream around which we could find no Indian portage and it did not look good to line. There was a bench mark at lower end of stream and a blazed trail almost unused on left of stream. So we quit and paddled to eastern bay looking for the Indian.

Well used trail out of eastern bay to thin pond. $73^{\circ} 15' 52^{\circ} 29'$. Little wet. 100 yards.

We pulled up a very short stretch from thin pond to round one. From round pond creek leaves on left side. Portage 50 yards on right of stream back into stream again.

Just above there was a beaver dam to unload and lift over.

This lake is now height of land and water runs both ways from it. $73^{\circ} 15' 52^{\circ} 31'$ Portage 30 yards across from top of lake.

At end of next pond $73^{\circ} 15' 52^{\circ} 32'$ portage 100 yards around a very steep waterfall that must fall close to 40-50 feet.

Creek is very small and falls hard to see, comes down over a smooth rock.

Where a U to left is made before lake we ran and let down a couple very shallow places. $73^{\circ} 15' 52^{\circ} 32'$ There is probably a portage before fast water starts that would be better to take for the sake of the canoes.

Lake is paddled to river leaving at north west. Current in river and a lot of rock well above water but no heavy rapids, a couple shallow rock dodgers.

Indian camp on point at end of river section.

At narrows just above there is a very pretty 10' waterfall.

73° 15' 52° 36' Portaged or lifted over 20 yards on rock or a trail on left. This is really an island and there is a less spectacular drop on west side.

We went down to next rapid, could find no planed way around it and came back up foolishly to camp on a sand beach just opposite the falls. Poor and we could have found its equal lower down. 73° 15' 52° 36½'

10' Falls to below First Rapid after Daru Route Joins --

Portage through burn on left shore at island rapid taking both parts of the rapid at once. 73° 18' 52° 37' 400 yards. In general stay to high ground and walk ridge rather than staying next to river.

Just below a short almost falls portaged on left through burn into a bay. 40 yards. Slight run off after falls to run.

Just below a 7-8 foot falls. We snuck down left shore to very head of falls, unloaded and lifted over rock and then ran rest of rapid along left shore, good swells as rapid goes around corner.

Short paddle follows to a long series. We ran top from left shore crossing to right shore and let down a tiny stretch of shallows on left shore and into a shallow bay parallel to main river and went to end of bay -- 30 yards -- and took out on flat rock and carried 60 yards to river below first drop. 73° 19' 52° 35' Then crossed river and portaged 30 yards on right having to let canoes down over a cliff to loading spot. Then slipped down right shore to start of rapids below and then let down about 200 yards where it became too shallow with large rapid to follow. Portaged on our trail 100 yards to bay on right.

Then follows a long paddle for this river to last rapid of this stretch. 73° 22' 52° 34' We cut a 400 yard portage on right, a lot longer than it should have been because of burn and windfalls and put into river way below rapid. Better would be a trail on left side would only need 100 yards, but we had lunch on right and easier to portage on that side.

Just after river turns north a heavy rapid. We ran a little swift at the top that was very shallow to an eddy at start of main rapid and cut a portage trail through to a bay at the foot -- 300 yards.

Campsite in bay between 1st and 2nd rapids of this stretch on left on top of a small rise in reindeer moss. 73° 18' 52° 35' Tent sites ok, but kitchen poor and too far from water and drawing water is a chore.

Between 1st and 2nd Rapid to Rossignol Falls --

2nd marked rapid below turn to north starts almost immediately after campsite. Was let down on left side all the way. Too choked with rock to run.

At narrows about a half mile below river turns west with a small rapid easily run.

Next stretch up to next marked rapid runs with current and an occasional ripple. Some of shore burned, particularly left

shore, but attractive country.

First marked rapid on turn to west $73^{\circ} 26' 52'' 37'$ was run on right shore, pretty close to shore, but should definitely be looked over. Fairly long run.

Right below, unmarked, is a fast drop with swells in middle. Run on left close to flat rock and around turn to left. One V also below, also on left.

Next marked rapid is about a mile long or more. Top is the major problem. Run tight to right shore past major white water. Then in center as curve to left is made and more or less follow center as river curves right and then right again and slightly left -- all three curves can be seen from foot of top section. Last section tends to run out at foot.

All the way through the Quebec Lands and Forests has metal tags on trees. One beaver skull was seen up on a pole after rapid just below campsite and two Indian sites were spotted directly below rapid described above, but no portage trails were found the rest of the way to Rossignol. Country has all been burned where they should be so maybe they are erased, but suspect that after 10' Falls Indian goes north through Lake Quentin.

At narrows about 3 miles before river turns west into last rapids $73^{\circ} 29' 52'' 39'$ there is a ledge area with a V in center -- easy run, but be careful.

Just before large island about a mile before swing to west there is a short rapid going to left of island. Lots of stone in rapid, but run down center.

After swing to west is made $73^{\circ} 29' 52'' 40'$ 1st marked rapid was carried on right in burn for 50 yards putting in below major drop and then run tight to right shore, so close could be touched with a paddle around corner and then run out pretty much in center.

Rapid below -- 2nd -- was eased down left shore to major drop and then carried along left shore above river 40 yards putting into shallow bay having to carry farther than expected to get water to float the canoe.

3rd marked rapid run on right. Foot has a ledge all the way across except for one very small opening right next to right shore that must be hit exactly to make the run.

At island we looked at left side and decided it was too steep and rocky -- foot on that side would have to be carried or lifted over also. We took right side of island and let down on island to an eddy, crossed to north shore and let down north shore almost to foot and carried 30 yards on stream bed behind a small island and ran out tail end of rapid.

Should be done next to major swells, path down right shore at first looks better, but is too shallow.

Final falls are just ahead. We unloaded at top of falls having scouted first and camped in burn at top of falls with an excellent kitchen area on flat rock next to falls. Tent sites in burn, but ok. Carry goes down right side of falls mostly on rock and burned area. 75 yards.

Rossignol Falls to Double Rapid after Rosee --

North channel from falls to Rossignol proper has current and a few very small swifts. Good portion of countryside burned. Burn decreases as Rossignol is paddled, but lake not particularly attractive until esker is reached which is pretty much

start of route into Rosee.
Just before stream to Rosee starts there is a round peninsula on map that is really an island. $73^{\circ} 38' 52'' 45'$ On left side where map shows land there is a small cascade-falls. Portage on right starts well before cascade on a smooth rock -- there is another such rock also down at the head of the cascade. 75 yards -- much longer than really necessary, but an Indian trail. Loading area very shallow and poor.
One small C shaped rapid to run just after stream starts toward west, run starting in center and then to right shore and back to center.
At end of stream and start of Rosee $73^{\circ} 39' 52'' 46'$ there is a long rocky rapid. Portage on right starts on shore before stream even narrows for rapid. Carries through a partial burn 300 yards, again much longer than necessary. Good trail. Also possible to come as far down right side as possible and bush way to trail, which we did.
Fishing camp on Rosee on north side of large island just south of first large point on north shore. $73^{\circ} 42' 52'' 46'$ Has a couple wooden buildings. About 5 tent buildings, a dock, and boathouse. We did not stop.
Leaving Rosee there is a very narrow opening on north side of small island in channel with a small swift. $73^{\circ} 44' 52'' 47'$
Just below at start of narrow stream from Rosee there is a powerful chute on right and a line of smooth rock to left of it with several small falls in it. We lifted over rock on left side, but could be done anywhere. About 15 yards.
Rest of channel has current and swifts, but otherwise clear.
Old Indian site on north east end of 1st large island in wider stretch. $73^{\circ} 45' 52'' 48'$
1st marked rapid $73^{\circ} 44' 52'' 49'$ portaged on left, 150 yards, longer than necessary because it takes out too soon. Good trail.
2nd marked rapid $73^{\circ} 40' 52'' 51'$ has a surveyor's camp on point on right before rapid and trail leads out of it on ridge above river. 400 yards, much longer than necessary. Loading area very shallow. If this trail is taken, problem is encountered at next rapid just below that is unmarked and has no trail of its own.
Indian trail is on left nearer head of rapid and goes up on top of hill and then down to water below next rapid. A couple windfalls in down hill part of trail that would have to be taken out. 400 yards.
We took surveyor's trail and had to portage unmarked rapid below, which can almost but not quite be run on left side. There is no trail and cutting up to Indian trail would be difficult. Lining would be tough. We carried 200 yards on right through scraggly bush and green moss. No cutting necessary but very soft footing and terrible.
Just below another unmarked rapid run on right shore at top and through a V off right shore at bottom with some good swells.
Just below another unmarked rapid, very short run on left -- there's also a run possible on right.
Of necessity we camped on right about 200 yards above double marked rapid $73^{\circ} 38' 52'' 51'$ Pretty bad on a rise of ground in a partial burn with poor kitchen and very shallow loading

area for canoes.

Double Rapid below Rosee to Island Rapid in Lake before Gasparin - 1st rapid of double pair was portaged on right on trail about 25 yards inland on right staying parallel to river. All soft moss and scraggly bush but no cutting necessary. About 150 yards. Unloading and loading poor.

For 2nd one we crossed river and portaged on smooth rock on left side about 40 yards putting in at end of smooth rock and running last little bit with some rocks in middle of run.

Water from Lake Des Antons falls into stream just below.

Island rapids below is a group of really attractive falls. 73° 38' 52" 52' We ran a smooth slick on left of a small island off right shore and right of large island. There's a smooth ledge in front of this channel from which approach can be looked over. We caught large island just before falls starts and portaged 100 yards across right side of island to foot of 1st drop. Trail over reindeer moss and needs to be scouted to be sure it does not suddenly end in a cliff too steep to climb or descend. Drop to water quite steep and too much for carrying canoes down.

We crossed river to right shore and let down that shore as far as possible, and then took out and carried on boulders along shore until they ran out and then up on rock shore above river and then down steep drop again too much for canoes to be carried into a little bay off falls. Whole series is very picturesque -- best view on right shore on high rock above both drops, but is farther upstream than 2nd carry.

Little rapid to be run in the shape of a C out of bay at foot of falls. Right hand channel of two available. Left is straight and shorter and probably would not be possible.

Island in lake-like area 3 miles ahead. 73° 39' 52" 54' Left side looks better on picture; starts with a rapid that can be run, but foot is too steep and rocky. Right side has a couple sudden falls-like drops and is very short. Indian trail on island to left of right side. Carries across point where drop is made. 100 yards. Area through portage burned. Indian campsite at top of trail ok, but not great particularly because of lack of shelter as a result of the open burned area. We halted because of wind. Falls not as spectacular as ones before, but a good drop with a lot of water.

The Indian must have some other way around the series of rapids we traveled after the surveyor's camp. We lost all track of the Indian from that trail to this one. Maybe he portages out of bay that runs north before surveyor's camp and comes down a stretch of water parallel to and north of river. If so his route would rejoin ours just after the spectacular island falls before these.

Island Rapids to Reoutfitting in Bay before Rapids to Gasparin -- Reoutfitting in bay that faces east before rapids to Gasparin.

73° 47' 52" 56' Had a sand beach facing west on which the plane could ground. Kitchen on a rock area next to beach and tent sites on reindeer moss area to north of beach. OK for the purpose intended on short notice, but would be nothing for a rest day or an extended wait. Much better location in Gasparin on island about 2-3 miles north east of river entrance to Gasparin. 73° 45' 52" 59' Sand beaches all

around it -- best campsite looked to be facing east or south east and appeared to have been an Indian site at one time.

Reoutfitting to Below First Marked Rapid on Sakami --

Rapid really behind campsite splits around island. We did not look at right side. Left side starts with a relatively straight run down middle to a large eddy where river swings back to east. Then run starting in middle and quickly to left shore. We had to stop and hand canoes through a cut in a ledge, but in higher water could be run. To a smooth rock area on left before last pitch which is a 5' falls. Carry across point behind a high hill on point, 40 yards all on rock except a very short section through bush that shows signs of having been a trail.

Just below a move to left has to be made to cut through a string of islands to follow river. Watch current.

At island we took right side, which probably was wrong side for normal travel since easier portage area seems to be on mainland on left side. We ran slight pitch at top to an eddy on right where river swings left, lined as much as possible on right, took out, and portaged 40 yards across rock. Final run out after portage on left.

At large island at foot there are three channels on right of island. First looks too rocky, middle has a runnable chute, and left is best with a more gentle drop. We ran middle for fun. Chute has a slight left turn and a large rock to right. Throw of water is such that it just manages to cushion canoe from rock.

Gasparin is quite attractive as is section just traveled. Large sandy island about 2 - 3 miles up would make an excellent place for a plane to land. Beach on east side is best for a campsite and looks like Indian has used it before.

Current picks up at north east end of lake where lake narrows to become river.

Last rapid just before Sakami is quite heavy. $73^{\circ} 39' 53^{\circ} 2'$ We ran center to left side at foot staying as much as possible in black water. Was just about as heavy as could be handled heavily loaded. If there is a portage trail it should be on the right. In higher water could not be done this way unless a shore could be run.

Just after Sakami is entered there is an unmarked rapid $73^{\circ} 40' 53^{\circ} 2'$ run to right of all the many islands. Running between the islands probably will not work, there is a falls between the most central islands. Maybe left side could be run.

Good looking rock areas through here for kitchen, but no tent sites behind. Just below lots of flat areas above river for tent sites, but no kitchens.

A couple miles below 1st marked rapid starts around an island, slightly below one on map. $73^{\circ} 43' 53^{\circ} 2'$ We ran north side next to island and then followed throw of water as river swings right. Foot can be run blind, but last drop has some rough white water that should be avoided.

We camped in deep bay on north into which this rapid throws with sand beach, kitchen down at water in an area just back from beach with fireplace on sand -- good for making beans. $73^{\circ} 43' 53^{\circ} 2'$ Tent sites in jack pine stand up bank about 15' above beach. Good tent sites, but not much else unless wanting to bake beans.

First Marked Rapid on Sakami to 2nd Marked Rapid after River

Swings West Again --

Rapid ahead a mile below campsite was started on left as far as possible and then lined to a rock point and carried 20 yards across point and foot was run out. $73^{\circ} 45' 53^{\circ} 2'$

Island rapid below $73^{\circ} 46' 53^{\circ} 2'$ left side has a rapid immediately, but it is steep, narrow, and too rocky. We took right side and rapid does not come till foot of island. We ran left side very close to shore and perhaps should have run out a touch wider to avoid a slightly shallow first pitch.

There is a rapid just before large bay choked with islands $73^{\circ} 51' 53^{\circ} 2'$ that is pretty rocky, but can be run toward left side.

Current slackens on C curve back to east again and shores show a lot of sand with sand bars in channels.

There is a short rapid just below V shaped peninsula from north shore. $73^{\circ} 49' 53^{\circ} 3'$ River has good power now.

As river runs its final northerly heading there is a rapid that comes in about 3 stages just before wider area. $73^{\circ} 45' 53^{\circ} 4'$ There is a lot of bald smooth rock showing here. 1st part was run down center, 2nd toward right, and 3rd down center again.

Wide area here is extremely fine looking country with sand beaches, jack pine stands, and flat camp ground areas. There is an old Indian camp on south shore just after turn to west is made. $73^{\circ} 45' 53^{\circ} 5'$ A very attractive view.

Island rapid below $73^{\circ} 46' 53^{\circ} 6'$ we took the left side with the major water flow. Rapid is at foot of island. We ran down right shore and lined about 30 yards and then carried 30 yards across a rock point. There may be a run on left side near shore. There is a ledge across most of the foot. Run off was taken to south side of small island below rapid; which avoids going out in center and down main river and rock dodging. There are small rapids at both the head and foot of the channel. One at head run easily down obvious V. One at foot very shallow and almost runs out on you.

Rapid about a mile below $73^{\circ} 48' 53^{\circ} 6'$ is very short, but too steep and violent to run. There is a one-tent Indian site on right at top of rapid. On left there is an Indian trail starting in bay before rapid and carrying across a point to put in in bay below rapid. Indian campground at end of portage -- 75 yards. We pitched there but put the kitchen on a rocky area to left of sand beach loading area. Might not be there in high water. Trout at top of rapids.

Second Marked Rapid after River swings west to Head of Falls after River turns North --

Marked rapid below campsite -- 3rd after river turns west --

$73^{\circ} 51' 53^{\circ} 6'$ is nothing but a white stone in the river misread by the cartographer as a rapid.

At V shaped peninsula about 3 miles below $73^{\circ} 56' 53^{\circ} 6'$ there are rapids before and after tip of peninsula. That before is the heavier. The one after has a large white stone in the middle.

Indian winter camp on tip of point on south shore just at edge of Lac Sauvolles map section. $74^{\circ} 0' 53^{\circ} 7'$

About 2 miles onto Frigate map there is a newer winter site on

north shore. 74° 2' 53° 7' Much larger.
About 1/2 - 1 mile farther another winter site, this time on edge of a burn on rockier ground. We did not stop.
About 2 miles before split in river a point juts out from south shore with a very heavy rapid that cannot be touched at all. 74° 8' 53° 6' We portaged across point on a dry creek bed about 25 yards from tip of point. 40 yards. Indian probably has a trail south of this to use in all kinds of water. Flat rock area at end of portage used for a lunch site -- most satisfactory. Trout in rapids.
About a mile before split in river several islands across river. 74° 9' 53° 6' No run between shore and south one; in our water a rock ledge. The middle stream had a ledge almost across it although could probably be run on very far right. We ran north channel with no trouble.
We took north fork at split in river. 74° 10' 53° 6' South fork's rapid could easily be portaged across point out from south shore if necessary. We ran north fork's rapid starting in center and then to left shore and when river heads back to right we ran about down center. Very rocky at top and fairly shallow at foot. Not a particularly good rapid to run. Reasonable current around north branch. South branch rejoins in a rapid that has some ledge in it.
Current then slackens in wide area.
At large island about 1 1/2 - 2 miles above junction there are rapids on both sides. 74° 17' 53° 8' We ran right side with no trouble, comes in 2 sections.
Lots of shallows and sand bars in river just after this rapid. Just as soon as river swings north there is a rapid with 3 islands in middle. 74° 28' 53° 10' Water resources gage established on the east point at the rapid relatively recently. East channel is an almost straight waterfall. Next channel is straight with good flow of water; we never looked at it, but it is probably the one to take. 3rd channel is quite small and can be run all but a tight turn to left at very foot. We ran west channel on left shore near shore. Too shallow and ripped a couple canoes. Run off is done down center as river turns right.
Just below is a cascade- falls about 400 yards long. 74° 28' 53° 11' Portage starts in deep, shallow bay on right after one small swift and before any heavy water. Campsite at head was an ancient one-tent affair with poor ground and quite buggy. We used it in the emergency, but it is terrible. There were 2 surveyor's camps passed during the day; one in the morning and one in the afternoon.

Cascade-Falls Portage to Rapid before Frigate --

Portage about 600 yards, trail old but quite good with very few windfalls and no wet spots. No campground at foot. Loading on rocks with some run off from falls. Really a cascade type drop.
About 1/2 - 1 mile down three islands across river make a series of short falls. 74° 28' 53° 12' No way to run the two channels to the right which are the largest. Maybe the smaller ones on left might have something. We lifted over on rocks on east side of island farthest right or over a rocky area about 10 yards right of shore so two canoes could go at once. About 15 yards. Could also be done on east

shore.

Just below 2 islands make 3 channels. $74^{\circ} 29' 53'' 13'$ We ran east one easily blind, only a heavy horse race really.

Center one would be more violent and there is a ledge on left side of it. We did not look at left.

River then turns west and runs with fair current for about 4 miles.

Heavy rapid at foot of this stretch can be heard some distance away. $74^{\circ} 35' 53'' 13'$ Looked like Indian trail ought to be on left. There are some cuttings on west side of point where carry should be, but all we found were game trails. Maybe portage starts up a small bay or creek on left just before normal portage trail should be. From below looks like a trail end on a sand beach way back from rapid. We went down to small bay at head of drop on right and carried on rock to foot. 50 yards of easy walking. We camped at foot with tent sites back in bush on poor reindeer moss ground. Kitchen on rocks at foot of drop. Two trout taken from rapids, but water is pretty shallow to hold trout.

Rapid before Frigate to Falls below Frigate --

Couple swifts as river swings around island after rapids and then settles down with much less current. First rapid of first branch of Sakami branch that swings north can be heard as branch is passed. $74^{\circ} 37' 53'' 15'$

Afterwards there is a large island in river. Route is left of it but swinging north around tip of it to avoid sand bars to south. Then best route is to roughly follow north shore to stay off sand bars to south.

Entrance to Frigate Lake comes just before a rocky point that from a distance looks like it will probably be an island. $74^{\circ} 43' 53'' 14'$

Channel to Frigate has plenty of water but after lake opens up there is a sand bar to south. Channel is parallel to north shore a couple hundred yards off it until a string of rocks that runs north-south is almost reached and then path swings south. At end of line of rocks course to west is resumed.

Exit from Frigate leaves in bay at farthest possible point west.

Almost immediately there is a narrow spot with rock walls on both sides that is a straight run. $74^{\circ} 47' 53'' 15'$

Just below river shallows and then splits around an island. To left of island right near shore of island is a good run, but getting to it through the shallows is tough. Either come down middle or left shore slowly on a paddle or lining.

Below island is a small bay. Portage from west end of bay 75 yards around a steep rocky rapid. Head west from landing to better walking on reindeer moss and turn north to hit shore 30-40 yards below foot of rapid.

Rest of river joins after a pond. Very soon a rough chute appears with rock cliffs on both sides. $74^{\circ} 47' 53'' 15'$ Right side would be better to portage on rocks, but canoes can not be loaded at end. Portage left side up on ground above rocks going slightly away from river to hit a valley to beach below chute and in a small bay off chute. 50 yards.

River makes a right angle turn to right with rapid just below. Force of chute makes canoe follow left shore line and while rapid can be run either on left or right would be almost impossible to get to right channel and left side is fine.

Marked rapid 74° 52' 53° 14' is a heavy chute run to right of a ledge and almost down center staying left of major white water and power swells.

Three miles on as river makes a right angle turn to west there is a falls almost immediately that drops in total 30-40 feet. 74° 55' 53° 16' Left shore is burned so we used it for carry, although if right were used probably a lot of the carry could be done on rock. We lifted over a 6-8 foot falls first on left. Paddled a small bay and took out in bay. Best route for carry follows side hill staying above river until a downward sloping run of pink granite is encountered which leads down to water. We camped here with kitchen on flat rock at foot of falls and tent sites in burn at end of carry. There is one more chute left which must be carried on a dry creek bed on left side continuing previous carry by following rock. First lift over is 10 yards. Carry to campsite 400 and continuation to foot of last chute 100. Falls are spectacular and well worth photographing. Trout at foot of main falls.

Falls below Frigate to Rapid before River Split at Island --
River bends north after falls and then west. A couple heavy horse races after north bend continue during bend to west.
74° 57' 53° 16'

Just after creek enters from north 74° 58' 53° 16' a falls lifted over on left (?) on rocks.

Just below another falls lifted over or portaged on right going into bush from rocks at head. Faint signs of an old trail.
25 yards.

Unmarked rapid follows with three channels. 74° 59' 53° 15'
We did not look at left, but it is narrow and not much water going down. Center channel has most water and is a boulder choked steep rapid with no run. Right side is a falls at top and a shallow rapid to bay at right side and then joins center channel. We portaged on right side of island, portaging the right channel past the falls and shallow rapid, putting in on right side of island. 100 yards. We then ran foot of island and made right turn into water off center run.

Rapid below is a falls, portaged either side. 75° 1' 53° 15'
Right side is on rocks and longer, 50 yards. Left side shorter, but first part needs a swing into bush to get around a spot where rock cannot be followed, 30 yards.

Heavy rapid-cascade only 1/2 mile below portaged on rocky shore on right. 50 yards. 75° 2' 53° 15'

On west side of U that follows an island at the head of the rapid. 75° 3' 53° 15' Left side is shorter and too heavy to run. Right side longer, but very shallow. We portaged 150 yards on right in a burn. Difficult taking out because of shallows and loading on soggy clay.

After river swings west again a long rapid. 75° 3' 53° 15'
We ran left side to an eddy, stopped and ran left side to where river widens and made a 90° left turn into a bay. Then let down a short steep pitch to a calm and then waded the canoes through shallows to the foot.

Just ahead a heavy horse race - rapid, run on left making a sharp left turn at foot to run it out.

A horse race follows almost immediately.

About 3/4 mile below 75° 6' 53° 15' a heavy rapid. We camped

on rocks at head of rapid on right with kitchen on rocks next to river and tent sites in an old burn just behind. Rapid is pretty shallow. Only one small trout taken.

Rapid before Large Island to Rapid North of Lac Chabrilan --

Rapid at campsite run on right of center staying left of a cellar off the campsite and then following black water to foot running slightly left of rocks at foot and staying right of swells at foot.

Nothing of consequence until first rapid on north branch after island starts. $75^{\circ} 10' 53^{\circ} 16'$ Lifted over on rocks on left past a heavy cascade. 15 yards.

About $3/4$ - 1 mile below a rapid starts leading into a cascade like rapid that bends left. $75^{\circ} 12' 53^{\circ} 16'$ We carried 200 yards through a burn starting up a little creek well before the rapid and ending in a sort of bay well left of the rapid. No cutting necessary.

Out of bay there is a rapid run left of center staying out of a cellar in middle of foot.

About half way down north branch a falls which ends in a cascade swinging left. $75^{\circ} 13' 53^{\circ} 17'$ We carried on left 100 yards to foot of cascade. Easy walking through burn and over flat rocks. Spectacular falls. River has high sand cliffs on north shore after carry.

Immediately after two branches join a heavy, narrow rapid carried on rocks and old stream bed on left. $75^{\circ} 17' 53^{\circ} 16'$ 30 yards.

Then river settles down to a quiet pace with a few minor horse races. We passed an old surveyor's camp on right shore.

Then at $74^{\circ} 27' 53^{\circ} 17'$ almost opposite creek entrance on right shore we found an old Indian tepee frame with sand fire box in center. Hard to date, but brush was still in floor area. We also saw sign of Indian at last carry along island. Through this stretch good stands of jackpine for campsites and a good number of sand bars in river.

After turn west is made in about a mile forest changes to spruce. $75^{\circ} 27' 53^{\circ} 18'$

Where river turns north, $75^{\circ} 31' 53^{\circ} 18'$ there are three channels. First is largest and has a rapid at its foot that could probably be run on left side of it. Second channel is narrow with rapid at foot of it run pretty much straight down center. Third or western channel looked too shallow to run, but we did not really look at it.

River then swings west and south with a heavy rapid at end of southern swing. $75^{\circ} 32' 53^{\circ} 18'$ We camped at head of rapid on left mainly on reindeer moss in a thin stand of spruce and jack pine. Tent sites OK, but back from river. Cooking area poor and also in from river too far. Rock area for canoes rather small.

Rapid North of Lac Chabrilan to Top of Last Series of East - West Rapids --

Rapid at campsite run down right side staying just outside water off rocks on right and to right of major swells.

Just below as river swings north there is a horse race.

A quarter mile on one with reasonable swells run down middle. First of series of marked rapids $75^{\circ} 33' 53^{\circ} 19'$ lifted over on a creek bed on left.

Then just below a rapid or falls-like area with an island in the center. Carry across island on rock most of the time. Drop to water steep, but loading at tip of island good. 40 yards.

Just below a lift over on left 15 yards with a very strong eddy in loading area which was hard to get out of.

Rapid below run tight to right shore to stay out of swells. And series ends.

Small calm stretch as river swings left and then right again with rapid run left of center and tight around left corner into a V near left shore. $75^{\circ} 35' 53^{\circ} 19'$ A very powerful eddy in between sections that spins you in toward shore.

Then a short calm stretch and river swings sharp north between relatively high hills, especially steep on right as stretch is negotiated.

First falls $75^{\circ} 36' 53^{\circ} 20'$ carried on left starting on smooth rock at edge of drop. Vestiges of an old trail followed to smooth rock at edge of river and carry finishes along rock. 150 yards. Drop is quite appreciable in a cascade-like manner.

Then a couple sections of fast water without much drop run to a sand beach like unloading area at top of next drop. We cut a trail into the bush around the first short falls and out to smooth rock at edge of water -- quite extensive rock area. Trail about 40 yards, then on rock about 100 yards. As river drops into gorge like area we blazed a trail in the bush on left around it to foot of cascade -- another 200 yards. Some one else had done the final cut to the water before us.

Then a short paddle to last drop of series. Unloaded on small sand beach on left and carried on a creek bed around falls or cascade. 100 yards. $75^{\circ} 37' 53^{\circ} 21'$ This ends south - north series.

Short paddle west to an island with major part of river on right side. $75^{\circ} 38' 53^{\circ} 20'$ We ran a very narrow left side straight down the middle, caught an eddy on left and then lifted over a rocky area -- actually an island because of the small side channel to left of the rock. Loading at foot of lift over only for one canoe and difficult to get out of because of shallow rocks in current. 15 yards.

Another cascade immediately below, carried on left 300 yards on rocks by river. Difficult in spots mainly because of need to cross several stream like areas and need to go up and down on rocks often with long steps.

Last falls of east - west series lifted over on left. 20 yards. Difficult because both unloading and loading areas are one canoe affairs.

Then calm to top of last east - west series which is a series of minor drops mostly too steep or sudden to run. We camped on left at first of these $75^{\circ} 40' 53^{\circ} 20'$ with kitchen out on high rock and tent sites back in bush on other side of a dry creek bed. Not very good, but all that was available in need.

Top of Last East - West Series of Rapids to Below 2nd Rapid after Gorge to North --

Rapid at campsite run on right close to large stone on which fireplace was built into eddy just below on left and canoes

let down to left of a rocky island as far as possible before water ran out and then portaged 25 yards to water below. Then left shore followed in canoes as far as possible and then let down a few more yards until drop is too steep and shallow and then portaged 20 yards to foot of that drop.

Then run a narrow V to area to left of a very large rock off left shore.

Run out from behind rocky island into main river and last pitch run tight to left shore and inside a cellar.

Next rapid on bend to north $75^{\circ} 42' 53'' 20'$ has a couple falls in it and a heavy cascade in center. Carried on right 50 yards to foot of fall.

Next rapid supposed to be on bend to west was nothing but a narrow spot with a V in center and good power.

Then river turns north and splits around an island. $75^{\circ} 43' 53'' 20'$ Main channel is on left and is a heavy cascade with several falls-like drops. Looks like best portage is over a rocky island in middle of it, but there is a falls of about 4 feet below it and no way out. We let down right channel as far as possible -- not really good for the canoes in spots -- until we reached a steep drop we could not take. We portaged on left -- on island -- down a semi-dry creek bed -- 100 yards to main river. We found our first birch in quite a while here. Rest of rapid run down right side very near shore.

River bends north immediately and 1st rapid of gorge run on left -- there is also a run on right -- into an eddy just below.

Next pitch had a drop we could not take, so we unloaded and cut a trail 1 mile long to bypass rest of gorge in area that goes north and also bypass next two rapids after river swings west. $75^{\circ} 43' 53'' 21'$ Trail is mostly through jack pine with good walking except for an occasional short spot where it is necessary to cut through an area of spruce where the walking is invariably poor and soft. Trail could be shortened in places but tries to follow good walking. Gorge starts with a series of rapids each with a small falls in it. Then river narrows and a falls of about 15-20 feet. Then interval with heavy rapids to a final falls into bay at foot. Then river turns sharp west and first rapid is very steep with falls-like drops. Second, the river widens and water falls over ledges. Neither look like they could be run, although maybe there might be a possibility of running right side of second, or at least letting down.

Campsite at foot of portage, small but not bad. Tents on two small areas of reindeer moss, reasonably flat and kitchen right at trail to river.

Gorge to 10' Falls just onto Sakami Map --

Rapid about 1 mile below campsite run with no problems.

Then river settles down to a moderate current through relatively low country for the most part to about a mile before last major rapids on Frigate map. $75^{\circ} 57' 53'' 23'$ Four rapids in a row. 1st not much. 2nd heavier, run on left. Last two right before falls, both run on left to start of heavy water for falls.

There is an island at head of falls and below island river bends sharply west. Very heavy water on both sides of island

and below it. 75° 59' 53° 23'

We went to west shore and at edge of heavy water found an old trail someone had cut. Starts angling away from river slightly through soft ground and then up a rise to a grove of jack pine and then down a very steep drop to a small eddy at the base of the falls. 250 yards. River after bend to west falls in 3 falls, each about 15 feet high with small flat stretches between. Rock is a brown colored flat rock -- falls very attractive obviously.

Below falls a short rapid with river still headed west. We ran on right in a very shallow run.

River then swings north and first rapid run on left to an eddy. We then crossed and lined right side 100 yards since there was no place to stop on left and catching eddy on right from run in center was chancy. Right side too shallow to run. 75° 59' 53° 24' We then carried mostly rocks to just around corner to right avoiding rapids just a little too heavy and steep to run. Trail had to cut back into bush for 25 yards just after start where there was no rock to walk on. 150 yards; not very good walking.

River swings east into a bay and then north again into a final rapid of this short series that we ran on right side having to angle out in the process.

River runs north and makes a sharp turn west and then north again.

At this turn north another rapid starts and continues into a second as river turns west and then north again. 76° 0' 53° 24' First was run on left and west turn on left and then to center as river turns north. A good long run taken all at one time after scouting.

Then a calm pond and narrow stretch for 1/2 - 3/4 mile to a 10 - 15 foot falls with a perpendicular drop to it. 76° 1' 53° 24½' Portage falls on left on rocks starting 25 yards before drop. 40 yards, to a bay on left side.

We cut a campsite just back in spruce and jack pine from river before the falls and just after the unloading area. Tent sites on reindeer moss and pretty good. Kitchen made in the inside because of cold and wind. Otherwise would go on rocks right at falls.

10' Falls to North End of Sakami Lake --

River flows with reasonable current to last rapid marked.

There are a couple swifts leading into it, all easy to run blind.

Rapid is a falls-cascade type with smooth rock on left at top and a narrow lead in through high rock banks. 76° 11' 53° 27' Portage on left 50 yards to bay below. Old trail exists but best way is to use part of it and do rest on rocks because of windfalls. Starts on smooth rock just at head of falls and goes up to bush 10' up. Then runs parallel to river sometimes just into bush, sometimes on rock on edge. Then cuts down to water on rock and along shore until possible to put in. Eddy very strong pulling back toward falls.

After small bay river leaves on right through a rock cut looking as though there should be at least a rapid, but really nothing but fast water. High sand-clay cliffs on right immediately afterwards.

The river settles down with almost no current to Sakami Lake. Banks are low, not quite swampy. No trees on right bank during turn to south around $76^{\circ} 15' 53^{\circ} 24'$ Surveyor's camp here on high ground on left about 25 yards back of river. Indian tent frame -- tepee on left about a mile before stream from lake just before end enters. Indian cache on point on right between river and stream from lake. $76^{\circ} 28' 53^{\circ} 28'$ It is quite likely that Indian route to Fort George passes through here avoiding rapids and falls at head of lake. Indian site on right about 400 yards before lake. $76^{\circ} 32' 53^{\circ} 28'$

Lake just past river entrance very shallow. We wanted to go to west shore and could not because of shallows. Last part of river all day has been pretty much clay based and water a little cloudy particularly near shore. Camped on east shore looking north about 1/2 - 1 mile from tip of point on west edge of a small bay with almost smooth rock shore -- first seen on this shore, all the rest of shore line has been broken rock and small boulders. $76^{\circ} 33' 53^{\circ} 27'$ Kitchen on rocks and tents in reindeer moss area behind. Not good, but passable.

North End of Sakami Lake to Sand Beach 1 Mile South --

Wind drove us in on a sand beach before tip of the long point to an Indian campsite on edge of beach. $76^{\circ} 34' 53^{\circ} 26'$ Two Indian tents and a very large canoe rack. Swamp behind the narrow area on which to camp. No shelter from northwest wind at all. Indian had taken all trees off the immediate area.

Sand Beach to Small Island 6 Miles South of Narrows --

On right just after narrows $76^{\circ} 43' 53^{\circ} 19'$ were what looked like 3 flags near a large cleared knoll. Maybe something to do with surveying for the Hydro project.

We at first suspected Hydro camp would be up northwest arm toward river exit, but apparently is farther south.

About 5 1/2 miles below narrows on a hammar shaped point on south east corner of first large island were two log buildings intended for an Indian commercial fishing camp. $76^{\circ} 47' 53^{\circ} 16'$ Apparently never finished. One large building made of logs set vertically and a smaller one made the same way -- apparently the ice house. Roof of aluminum sheets. Doors and hardware still stored inside buildings.

We camped on small island opposite narrow point of second large island on west coming down lake. $76^{\circ} 47' 53^{\circ} 15'$ Gravel beach that faces north -- looked like sand from a distance. Cleared area on north east corner now grown up in grass and raspberry bushes. Kitchen in this area. Better tent sites on higher ground to south where there had been two old Indian tents with round stone fireplaces in middle -- no poles left. Area where kitchen was apparently used more recently, but still old with old Indian wood under foot.

Island to Hooked Point 8 Miles South --

There is some sort of camp back in bay on west side of lake about 3 miles below our island campsite -- in bay at $53^{\circ} 12'$ Had at least one plane operating from it.

There was an Indian tepee frame on right just at north side of crescent-like bay about 1 - 1 1/2 miles north of our hooked

point campsite. 76° 53' 53° 10' Did not look very good for a campsite.

We camped on north west side of bay behind hooked point about 8 miles south of our island site of last night in an old prospector's site. 76° 48' 53° 7' Terrible.

Hooked Point on Sakami to Falls to Boyd --

Very attractive section of bald rock particularly around high rock islands south of hooked point. Continues almost to series of islands that stretches almost across route south. 76° 48' 53° 2' Right opening is very narrow and has current running north through it. We had to hop out and float canoes through.

At foot of lake as turn to east is made there is a one cabin old commercial fishing camp similar to larger one encountered to north. 76° 53' 52° 57' Aluminum roof can be seen from fairly far away.

Entrance to creek to Boyd behind a thin island 76° 48' 52° 57' shallow and rocky between island and south shore.

Shortly after creek narrows there is a rapid 76° 47' 52° 57' Portage on left 100 yards. Very poorly used but cut pretty wide. Trail is not even tramped down through moss areas. We had to clear some windfalls to get through. Loading areas at both ends area rocky areas and poor.

About 1/4 mile above there is a very short rapid just too steep to paddle. Pulled up easily on left.

Just above creek swings south at a falls and cascade. 76° 46' 52° 57' Large bald rock landing on right. Portage 100 yards past a very attractive falls series. Good tent sites in jack pine on right of trail on a ridge about half way across.

Just past jack pine there is a cut to the rocks at the falls on left. Good kitchen area, well protected, on rocks, but rocks very slippery when wet. There is one drop at top of series straight of about 5'. Trail for end of portage curves slightly right at cut off and goes another 25 yards to end on a clay landing.

Falls to Boyd to Lower Narrows in Boyd --

Rapid just above falls pulled up on left.

Narrows after pond 76° 46' 52° 57' two rapids pulled up.

Narrows after next small pond that runs to south east portaged on left through an area of reindeer moss and thin spruce growth. 76° 45' 52° 56' Trail really of ones own making. Puts in well above start of rapid and therefore twice as long as necessary. There is probably an old trail closer to water and half as long, but was choked with windfalls. 100 yards.

After longer thin pond several rapids in a row portaged on left. 76° 44' 52° 55' Trail starts in a V shaped very small bay way to the left of end of rapid. Bypasses several small rapids at once. 200 yards. Trail hard to follow and had to be reblazed. Puts in well to left of start of rapids.

At next narrows two very short rapids pulled up and then one at top of series portaged on left 75 yards. 76° 43' 52° 54' Goes up a hill and down at end, but puts into water too shallow to float a canoe. A cut was made parallel to river to hit 20 yards farther up, but this is not far enough either.

At last narrows before Boyd 76° 41' 52° 53' First rapid lined

on right, 2nd just a swift and was paddled, 3rd lined on right.

There may be several other spots where rapids were lined. None are long, but all time consuming. A good number of other spots with lines of rock across river where going is slow to avoid hitting them. Water is colored with clay and rocks hard to see.

As Boyd widened we took east side of very large island to avoid wind. 76° 40' 52° 52' Slightly longer, but no problems.

We camped on right just opposite a rocky point on left shore that would have been a better area except we needed shelter and this was too exposed. 76° 41' 52° 46' Our area on point just below on right. Kitchen on rocks facing south east. Tent sites strung out on rock covered with reindeer moss. Not good, but could be worse.

There was an old Indian cache on right a short distance after Boyd started. All our trails of today are either surveyor's or prospector's, not Indian and poorly used.

Lower Narrows of Boyd to Above 2nd Rapid on Opinaca --

On right just at stream leaving Boyd there was a surveyor's or Hydro set of flags on a blazed cut off tree. 76° 39' 52° 41' Leaving Boyd stream to pond to south is very narrow and rocky, but channel is just deep enough to float a canoe through rocks to a tiny pond. Then a similar narrows to larger pond which is 1st one shown on 4 mile to inch map.

At south end of this pond portage 100 yards on left around a rapid too steep to come through. Trail is very poor and ill used and had to be reblazed. Walking poor for middle part. One tent Indian site at start of carry -- not recommended. Trail has been cut by someone other than Indian in all probability.

Just across pond on south shore was a well used Indian trail to the Opinaca water. 76° 39' 52° 41' 900 yards. (Indians at Eastmain said Boyd belonged to Paint Hills band.) Starts off going up a steep hill. View of lower part of Boyd from top of climb. Then on good walking for the most part. At one place trail turns sharp right unexpectedly. Toward end a beaver meadow is entered and skirted to the right for about 100 yards and then trail turns right into good walking. Indian campsite at start for a couple tents. Another site at end, much better, but back from water 30 yards. Had two Indian tent sites, both with stone bases for fire.

Paddling west from end of portage, stream takes a V to south. 76° 36' 52° 40' At bottom of V a narrows can just be lined (downstream). Almost looks as though channel were man made. As V turns north another rocky narrows where again canoe just fits although we had to clear part of a beaver dam to do it. After Opinaca is reached and turn to south made current is evident.

On right on a point about 1 mile below joining the Opinaca there was an old Indian sod house, maybe 10 - 15 years old. 76° 33' 52° 39'

We lost Indian at 1st rapid on river. 76° 39' 52° 33' He must have a portage around both 1st and 2nd on left on east side of point long before rapid begins. There is a fairly deep, narrow, shallow bay on east side of point where trail must start. It will run through an old burn if it is there and

i both first and second rapids.

We ran as far as possible on left shore and then lined another 30 - 40 yards and carried 40 yards to foot of final drop.

Rapid has a couple quick drops in it and so cannot be run on either side. On right side was a very active beaver colony with trails back into a young jack pine stand that looked like portage trails so well used were they.

We camped on left at top of second rapid using a flat stone for the kitchen. Tent sites way back from river and to the east of kitchen in burn although two tents managed to find poor areas back of kitchen. Terrible, but we had run out of time.

Second Rapid on Opinaca to Head of Rapids before Meander --

Rapid at campsite let down on left shore around corner through a very shallow rocky let down.

At end of southern run of river $76^{\circ} 41' 52'' 33'$ there is a very heavy unmarked rapid of rather long proportion. We carried on rock on right 300 yards putting in just after last falls-like drop. Area on right side is burned and portaging through it would be tough but possible. We had to cut a small section back into an old creek bed to bypass a 50 yard section where there was no rock to walk.

After last major drop we put in and ran last part on right shore almost to bend of river and then had to move to center and back to right shore. Rapid continues around next two bends to a wide area and full run goes for about 1/2 mile.

At this point to Falls river is very attractive with rocky shores and what appear to be excellent camping possibilities. Several rapids to run, all pretty short and almost always have a rock ledge jutting out into river from which it is very easy to look over the run.

Second rapid after long run $76^{\circ} 42' 52'' 33'$ was too heavy and was portaged on rocks 40 yards.

Several more rapids to falls at island. $76^{\circ} 44' 52'' 33'$ We found old trail on left starting in a small bay just opposite eastern tip of island that sits in middle of falls. Starts near a large birch tree. Someone had been there recently and backblazed the trail and done a little clearing. We had to do a lot especially at start and foot where in addition the landing had to be moved down since old landing was too shallow. 600 yards. Carries rapid below falls as well as falls. Falls well worth a picture or two. Short run off to run at foot.

In large, wide bay after falls there was a Hydro camp $76^{\circ} 47' 52'' 32'$ with about 4 houses and a long dock and 2 planes.

Rapid just below lifted over on right 25 yards on rock.

Next rapid immediately below carried 50 yards on left around major drop and then run out the rest basically on left shore; but staying outside several ledges and ending almost in center of river. Left side almost has a run but for very last drop which is a small falls with too small an eddy above it to be able to stop. Bay area below right side was too shallow to float a canoe and nothing could be done with it.

River then runs smoothly for about 6 miles with good current. After bend to north $76^{\circ} 55' 52'' 32'$ there is a rapid and one just ahead when river turns back to west -- both run after looking over.

Another rapid about a mile below $76^{\circ} 57' 52'' 32'$ also run.

One small rapid about a mile above series before Meander-like

water. 77° 2' 52° 32' Then an area of rocky islands around low bare rocks.

We camped of necessity in burn on right just before first rapid of series 77° 3' 52° 32' there being no way to camp at the rapid itself which does not drop as much as the photograph would lead one to believe and has numerous rocks and rock islands across the top of it. Tent sites good in the burn, but nothing else to recommend it and landing area is terrible.

Top of Rapids before Meander to First Rapid after Little Opinaca --

Top of rapids below campsite was portaged over a rocky island roughly in center of rapid. There are several, three larger than the others; this is the middle of the three. Actually two islands separated by a narrow channel of water that can be hopped across. We portaged on west side of lower one 25 yards.

Swift current rather than rapids to middle rapid of series which had a heavy rapid on left and a very small channel on right with a large rock area between. We lifted over the rock nearer the right than left. 20 yards. Left side might be run in slightly lower water or if in a gambling mood.

Bottom rapid of the three was run on right.

After meander area next set 77° 7' 52° 28' starts with heavy water at the beginning and for maybe 1/4 - 1/3 mile. Then drop is more gradual with many rocks and ledges on way down with very swift current. Indian trail is on left and goes past the entire series and would be about 1 1/2 miles. Starts in top of two bay-like eddies and trail goes along for about 300 yards as an easy walker and well defined but then goes into a beaver meadow for 50 yards that can still be followed. It breaks through a thin line of spruce and then hits an old burn in which new jack pine are well along in growth and becomes impossible to follow. Trail stays on high ground and goes almost straight ahead parallel to river but well above and away from it. Follows jack pine areas for better walking. After 1/2 mile it breaks through another thin line of spruce where blazes can be picked up. Burn again takes over but trail can just be followed as a very faint impression indicated by the fact that reindeer moss has grown over it, but only in the trail. As end comes near there is an area of windfalls so bad it would take a day to clear. At this point we cut to river and lined left shore to foot and carried ledge at very foot on rock. 75 yards. Right shore looked to be better for lining most of the way after heavy water at start. Running anything in it would be difficult since there are no real eddies on either shore where a stop could be made. When burn is entered trail can best be followed by aiming for a bald rock area covering most of a hill on right shore. As the hill is neared trail can be found by angling a little left of the hill.

Current moderate down to lake-like area where Little Opinaca comes in. South shore of this area has a shallow section near shore.

Very large Hydro camp on north shore about in middle of area on a point. 77° 11' 52° 24' Semi-permanent type buildings and could house 60 men. On south shore near rapid several areas have been cleared completely bare.

We camped on right side of rapid 77° 14' 52° 23' on a large flat

rock for kitchen and tent sites behind. Excellent site. Left side of river has a steep sand cliff near start of rapid and a flat jack pine area on top except for areas cleared by the Hydro.

First Rapid after Little Opinaca to Sixth Rapid --

We carried top rapid on right without a trail. From campsite with a minimum of cutting we started on rock kitchen area through tent area and to right entering an old burn via an old creek bed. Burn is so old only real evidence is the sparse stand of jack pine. Following the line of spruce on left we put in on a sandy area fairly far below the rapid. 250 yards. Very good walker. Staying next to spruce kept us out of a few windfalls and cuttings from Hydro people.

Just below portage for falls takes out on left on bend of river before falls. Rises to start with to level of rock above falls. Road from Mattagami to Fort George is to cross Opinaca here and Hydro has cut a line for the road dropping their cuttings across the trail a little. Trail after crossing Hydro cut becomes harder to follow. Drop to water steep. Trail needed, and still does, a good bit of clearing. Puts in in a bay to left of falls and falls cannot be seen from it. Falls have a straight drop to them and are really worth looking at.

Next rapid can be seen from foot of falls carry. Portage on left goes up a steep hill to a stand of jack pine where walking is excellent. As jack pine area starts to drop, trail turns sharp right and starts to drop itself. Drop needed a lot of clearing and needs more. 400 yards. Puts in in a shallow area and necessary to walk out on clay-gravel area before loading.

River then flows along with some current and no obstacles. Old surveyor's camp in jack pine - poplar area on right just before slow bend to west. $77^{\circ} 22' 52'' 21'$ About 6 miles below previous carry.

Next rapid fairly short. $77^{\circ} 27' 52'' 20'$ Carry on left needed a lot of clearing. 300 yards.

1 1/2 miles below a rapid in 3 stages. $77^{\circ} 28' 52'' 19'$ 1st part carried on right. Takes out just before heavy water on a rock, but we had to take out 10 yards before to avoid bad windfalls at top. Needed a lot of clearing. 300 yards. At foot loading area was too shallow and we had to walk rocks another 30 yards to float canoes. Puts in in a bay after the 2nd drop with a 3rd one to go. Carry 30 yards across a narrow isthmus on right, but we had to carry another 50 yards on rock to float the canoes.

Another 1 1/2 miles below the 3rd rapid of the series. $77^{\circ} 31' 52'' 18'$ We camped at head on left in an area with minor patches of reindeer moss and made our own campsite. Pretty poor. There is a swift to run to an eddy just at the start of major white water. Trail had to find and intersected by prospector's claim line that runs perpendicular to river.

Sixth Rapid to Island Rapid --

Trail at campsite parallels water at start much more closely than most portages. Starts at our landing, just to right of rocks and angles slightly left toward rapid. From then on fairly easy to follow. First part goes through low land near

river and a fair number of windfalls had to be cut out. Then trail starts to find jack pine country on high ground over river. At one point is right on edge of steep bank above river and temptation is to angle down to river, but there is one more drop to be carried. From there trail goes through a flat jackpine campground area similar to that at Clouston or Basil. Three or four old Indian sites in the area fairly far back on trail and not near water at all. Very steep drop to water like Clouston. 400 yards.

Current in river not excessive after rapid until well after long island is passed.

At next small island in river there is a terrific waterfall rapid combination. $77^{\circ} 38' 52'' 17'$ Rock on way in is sort of gray colored. Hydro has cut several survey lines across head of series and one perhaps helicopter pad at end. There has also been a prospector leaving claim line blazes through the area. We checked both sides of river (Indians at Eastmain later indicated that there were trails on both sides of river) On left there is one sand-clay area before drops start. Just east of it there is a Hydro line cut. Following the Hydro line back from river there is a well blazed marker about 50 yards from river. To right of that there is a jackpine area and just west of that there is an Indian trail headed around falls. Actual start of trail could not be found and it was not followed any farther. We portaged right side by cutting our own for a good part of it. Our trail starts up eastern of two Hydro cuts, follows a cut of their's parallel to river and then crosses western Hydro line and angles up a hillside reaching top and an Indian trail through jack pine on top. At end of jack pine area Indian trail disappears and our trail starts toward river dipping down into a small gully and up on top of Hydro helicopter pad and drill site and goes to south west corner of it and then starts down through alder and poplar to an open poplar area and then to bay below falls. Final falls drops straight maybe 25 - 30 feet and is spectacular. Trail $1 \frac{1}{4}$ miles probably. Maybe a campsite could be made of open poplar area at foot, but it is also fairly rocky.

After falls river runs with good current and a few rapids of small size to Island Rapids. $77^{\circ} 43' 52'' 16'$

First part of series starts just around point. There is a large rock area jutting out from south shore just past point. We carried over rock area about 30 yards.

Next portage starts in last bay before falls on left. We camped at head mostly in alder having to bush tent sites from scratch. Pretty terrible. Landing is clay and drawing water very poor.

Island Rapids to Top of Basil --

Trail for portage we camped on at Island was bushed through to follow old Indian trail that was in terrible shape. Starts on clay just left of rock at top of white water and runs across point without going to high ground. First half has several sections of walking through scraggly bush. Last half walking was much better after alders were cut through. 400 yards.

Last rapid of Island series is just below. We crossed to right and cut a trail around first drop through alder. Vestiges of

an old Indian trail, but he probably carries left side. 100 yards to a bay after first drop.

We paddled bay to smooth rock and cut another trail around major part of falls-cascade. Starts at smooth rock and goes up hill through poplar and alder and then drops back to river at a smooth rock area. 300 yards. Rock is then carried 100 yards and another trail was cut across foot putting in on broken rock and not so good loading area. Another 100 yards.

About 1 mile below another rapid. $77^{\circ} 45' 52^{\circ} 15'$ No trail found on either side. We took out at very top of rapids in a little rock area on left and carried rock 200 yards putting in when it was no longer possible to walk rock and running out a swift at foot. Probably possible only in our water conditions.

About 3 miles below a falls of about 15 feet. $77^{\circ} 50' 52^{\circ} 15'$ We cut a trail on right 150 yards to smooth rock and carried 50 yards on rock to a small bay or eddy. Then ran right next to smooth rock wall with run off from falls to our left. May be possible only with our water.

From there almost to mouth of river there is a continuous heavy horse race of about six miles. Several places with ledges and major rocks to one side or other of river. Several very shallow areas. Watch throw of river to avoid shallows, sometimes running right and sometimes left. Two particularly powerful areas. One through a series of three islands about one mile below falls, run on right side past first island. Others on left. Another on eastern side of inverted U $77^{\circ} 55' 52^{\circ} 15'$ past a ledge coming out from left shore, run on right. We came through rest of rapids so fast it was impossible to check other land marks.

Basil to Eastmain --

Basil portage suffers badly now from windfalls like a small twister had gone through in several spots. They all come after half-way. Matthew, guiding the Dunmore party, party cut through or around them all but walking is still difficult. South shore coming up from island at foot of rapids to turn to post is shallow and rocky in spots. North shore is probably easier if wind will allow.

As paddle up from Basil is made a narrow cut with a small island in the middle can be seen directly ahead -- that's channel behind islands to post.

Lawn in front of Catholic Mission is a better camping area than one we have used previously.

Train Connections --

Train schedule apparently changed so there is a train leaving Moose daily at 2:10. Daily Polar Bear Express arrives Moose about 2:00 and leaves 5:45. Either train could be taken by us although baggage space on Polar Bear is slightly limited and we might not be able to take out 5 canoes. Both trains arrive Cochrane in time to connect with southbound train to Temagami which leaves Cochrane 10:20. Polar Bear gets in about 10:00. Assuming baggage is not checked have agent at Moose inform Cochrane that unchecked baggage is aboard and has to be transferred to south train. It was done for us by pulling the two baggage cars right next to each other and baggage just handed across from one car to the other.