PROJECT 9204I020
APRIL 1992

Lakelse Lake

High Water Marks

Elevations in Metres

H.W.M.		Elevation	Floodplain Mapping Drawing No.
Location 4 -	Seaplane Docks		
	HWM Elevation (ref. nail south)	73.31	88-29-3
	HWM Elevation (ref. nail north)	73.40	
	Trash Lines Elevation 73.3 and 73.4		
Location 5 -	Mr. Johnston residence		
	Zero of lake gauge elevation 73.55		
	HWL October 10, 1991 gauge reading 1.95 elevation 73.50		88-29-3
	HWL October 15, 1991 gauge reading 1.80 elevation 73.35		
Location 6 -	Waterlily Bay Resort		
	HWM Elevation(ref. nail in tree)	73.51	88-29-2
Location 7 -	Muller Bay (Beam Station Road)		
	HWM Elevation (trash lines) 73.3 and 73.3		88-29-2
Location 8 -	Mr. Mazarat Residence		
	HWM Elevation (ref. nail in tree)	73.57	88-29-2
	Trash Lines Elevation 73.3 and 73.4		

Location 4: **Lakelse Lake (seaplane docks)**

On Lakelse Lake, where seaplanes moor south of Granite Creek, another high water level was recorded. The level was indicated by a leaf litter line on the shore at the foot of the dock. To find the flags indicating the high water level the concrete barrier with a large oil tank within can be used as a benchmark. The southern flag shown in the photo, at the base of a cluster of coniferous trees, was 40.4 m from the south west corner of the concrete barrier. The northern flag is nailed to the roots of a cluster of deciduous trees 39.5 m from the south west corner of the concrete barrier. (Refer to photo's of Location 4.)

Location 5: **Lakelse Lake (Mr. Johnston)**

Mr. Johnston's home is on the south side of Granite Creek on Lakelse Lake. In the lake behind Mr. Johnston's home, B. C. Environment has placed a gauge for the reading of Lakelse Lake water levels. (Refer to photo of Location 5.)

Mr. Johnston's records for the event are as follows:

Oct. 07	.275 m (summer low)
Oct. 08	.500 m
Oct. 09	.650 m
Oct. 10	1.800 m (noon)
Oct. 10	1.950 m (midnight) (first peak)
Oct. 11	1.850 m
Oct. 12	1.750 m
Oct. 13	1.400 m
Oct. 14	1.700 m
Oct. 15	1.800 m (second peak)
Oct. 16	1.650 m
Oct. 17	1.350 m

Mr. Johnston's comments on the event were that in his 40 to 50 years of watching water levels at Lakelse Lake, "The 1978 and 1935 flood events were higher but short lived only 36 hours (of high water) then a rapid fall" (Mr. Johnston, October 17, 1991). However, the October 91 event had high water levels for seven consecutive days and still the water was only dropping slowly.

Location 6: **Lakelse Lake (Waterlily Bay)**

The Waterlily Bay Resort is located on the north east corner of Lakelse Lake. A British Columbia Water Resources benchmark is located on the footpath to the Grandfather's residence. The benchmark No. 1176 is 240.09 feet above sea level and was estimated to be covered by 30 cm of water at the peak flood level.

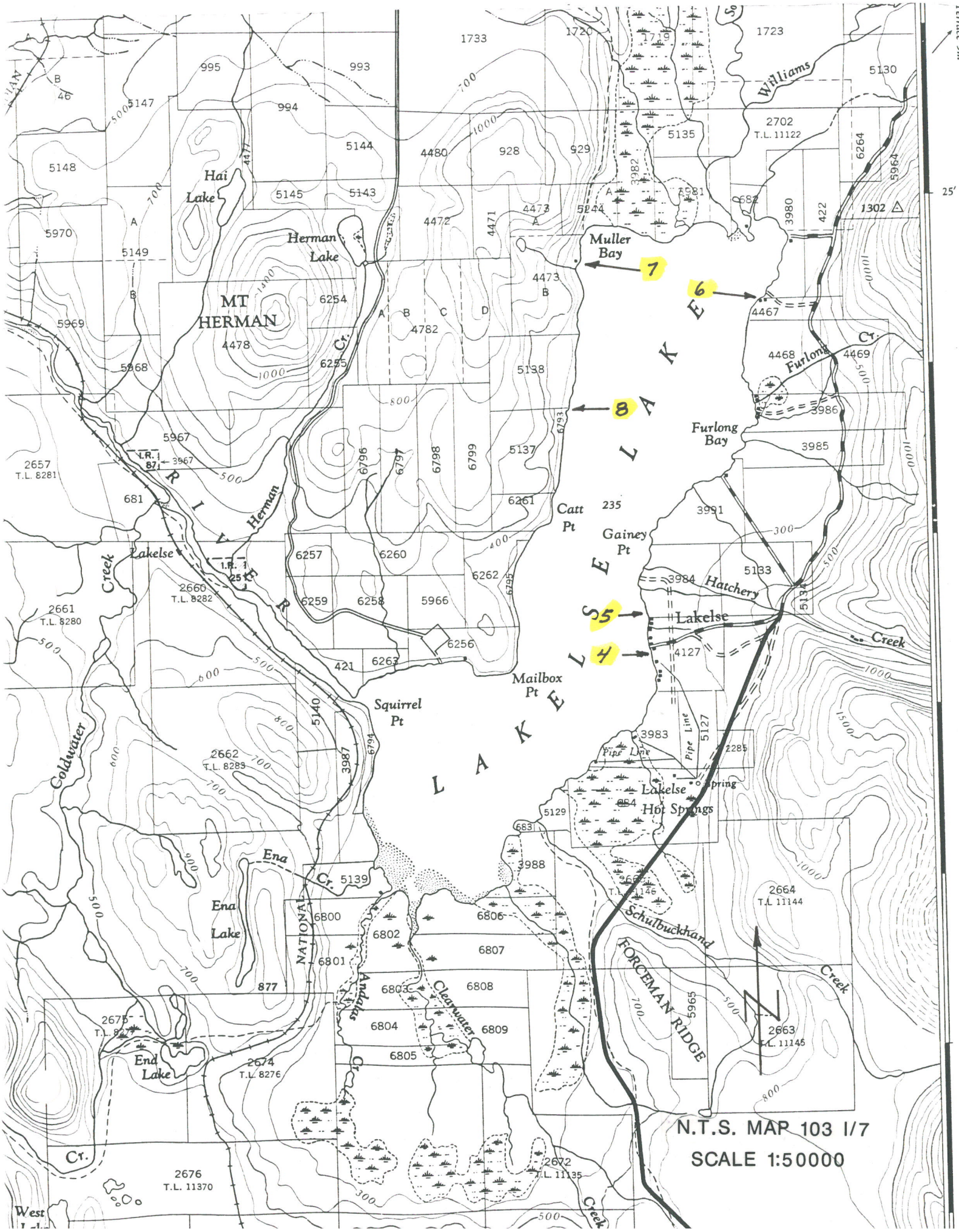
The high water level from the lake surrounded the residents living on the shore and travelled forty-nine meters up the driveway from the benchmark where it was located by a leaf litter line. A flag was nailed onto a tree at the same height as the leaf litter. (Refer to photos of Location 6.)

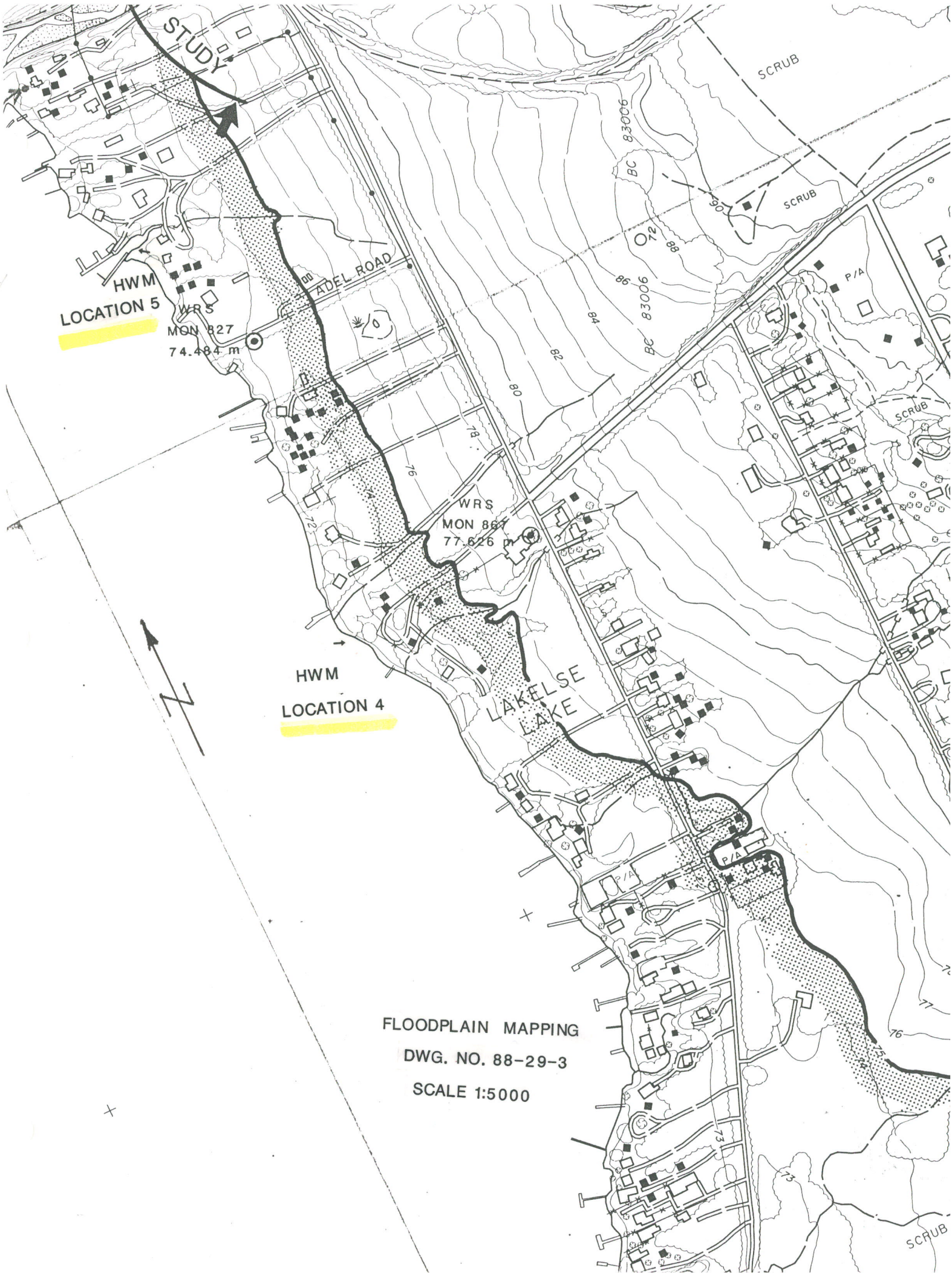
Location 7: Lakelse Lake (Muller Bay)

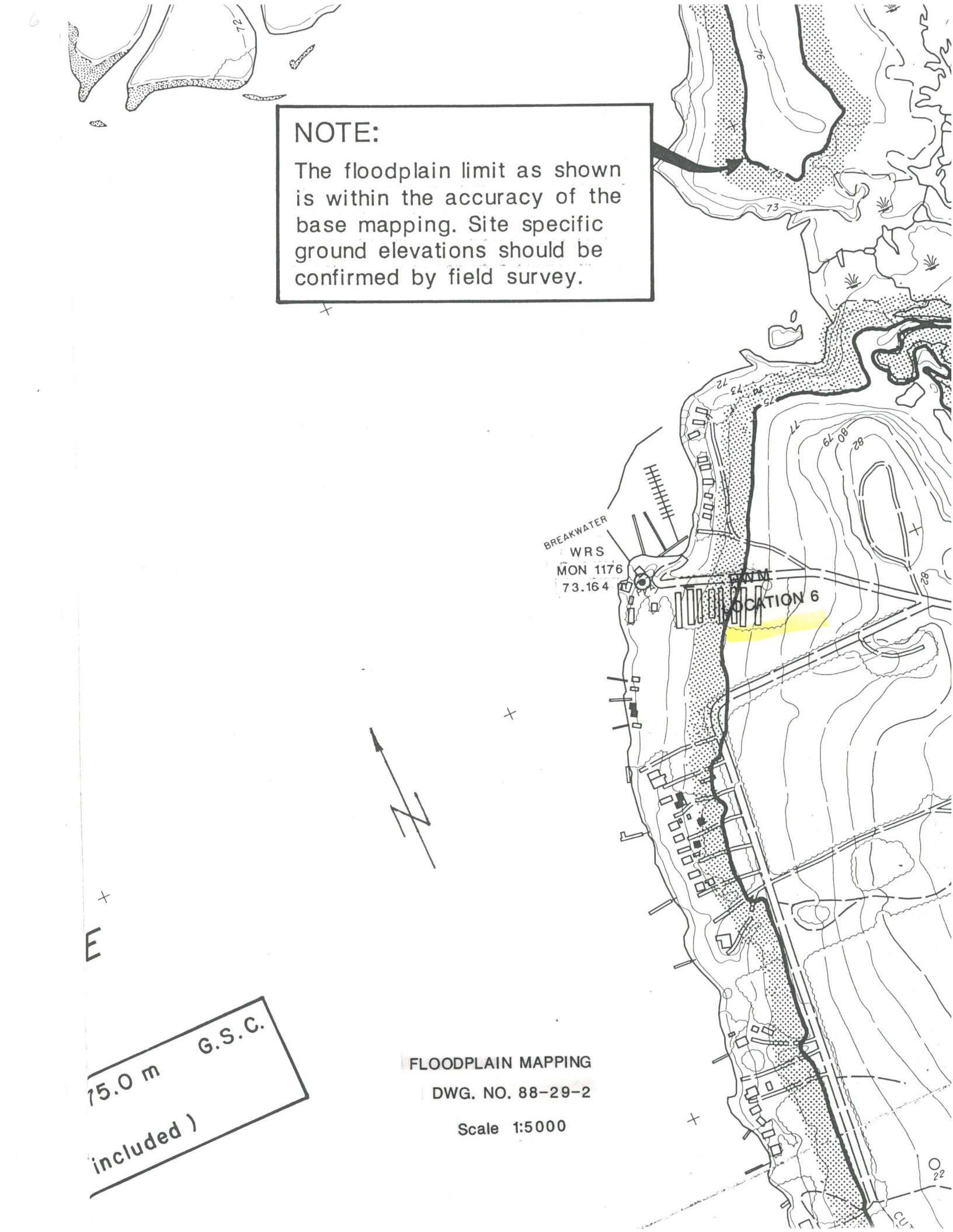
This station can be located by driving south on Beam Station Road from the airport and turning down the first driveway you come to, once you are in view of Lakesle Lake. At the bottom of the driveway is a small wooden home. (Refer to photo Location 7.) A distinct high water line was noticeable on the lawn by a leaf litter line and a compressed area of grass. The water rose to within 1 m of the base of the stairs up to the sundeck.

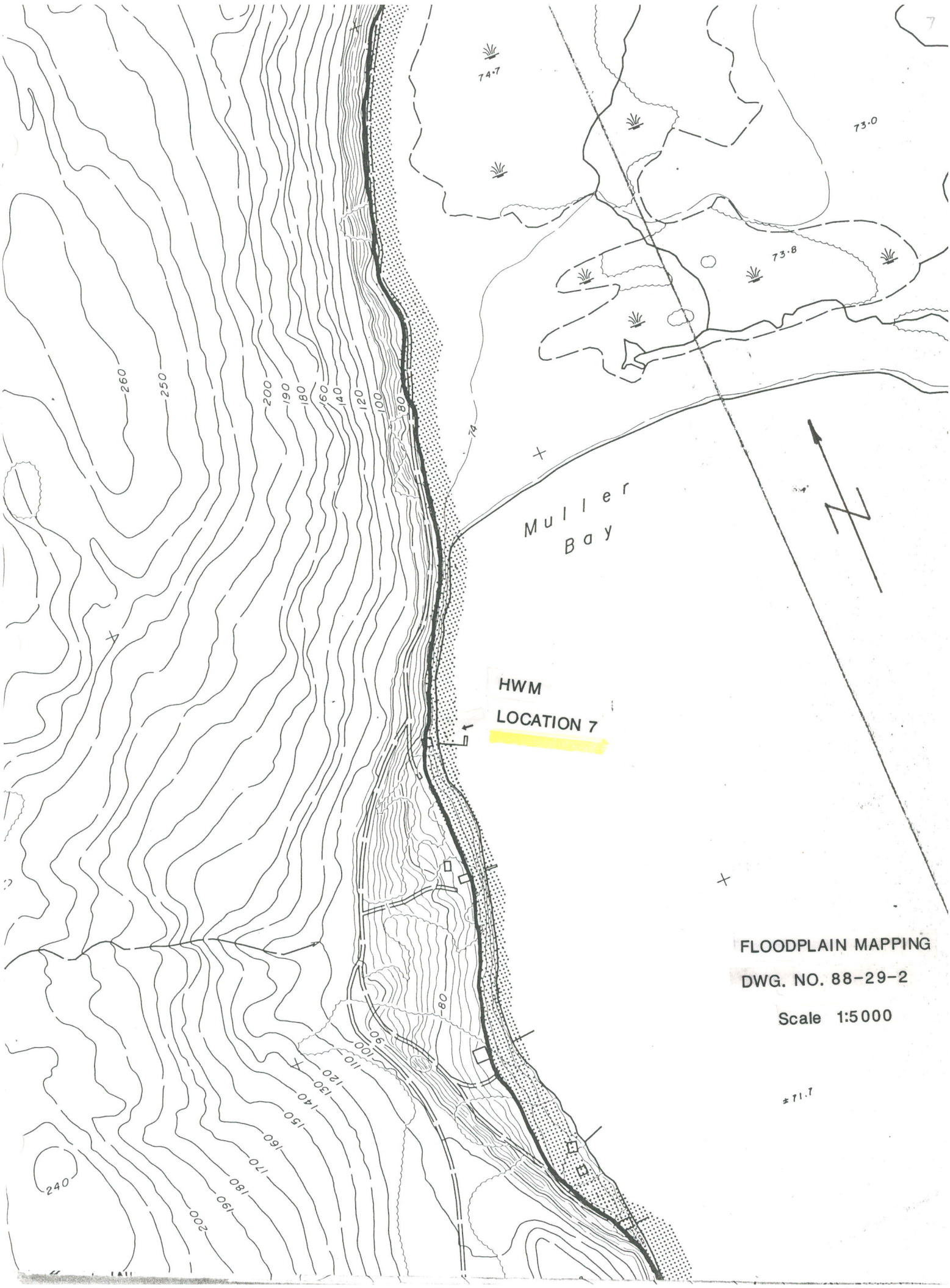
Location 8: Lakelse Lake (Mr. Mazarat's)

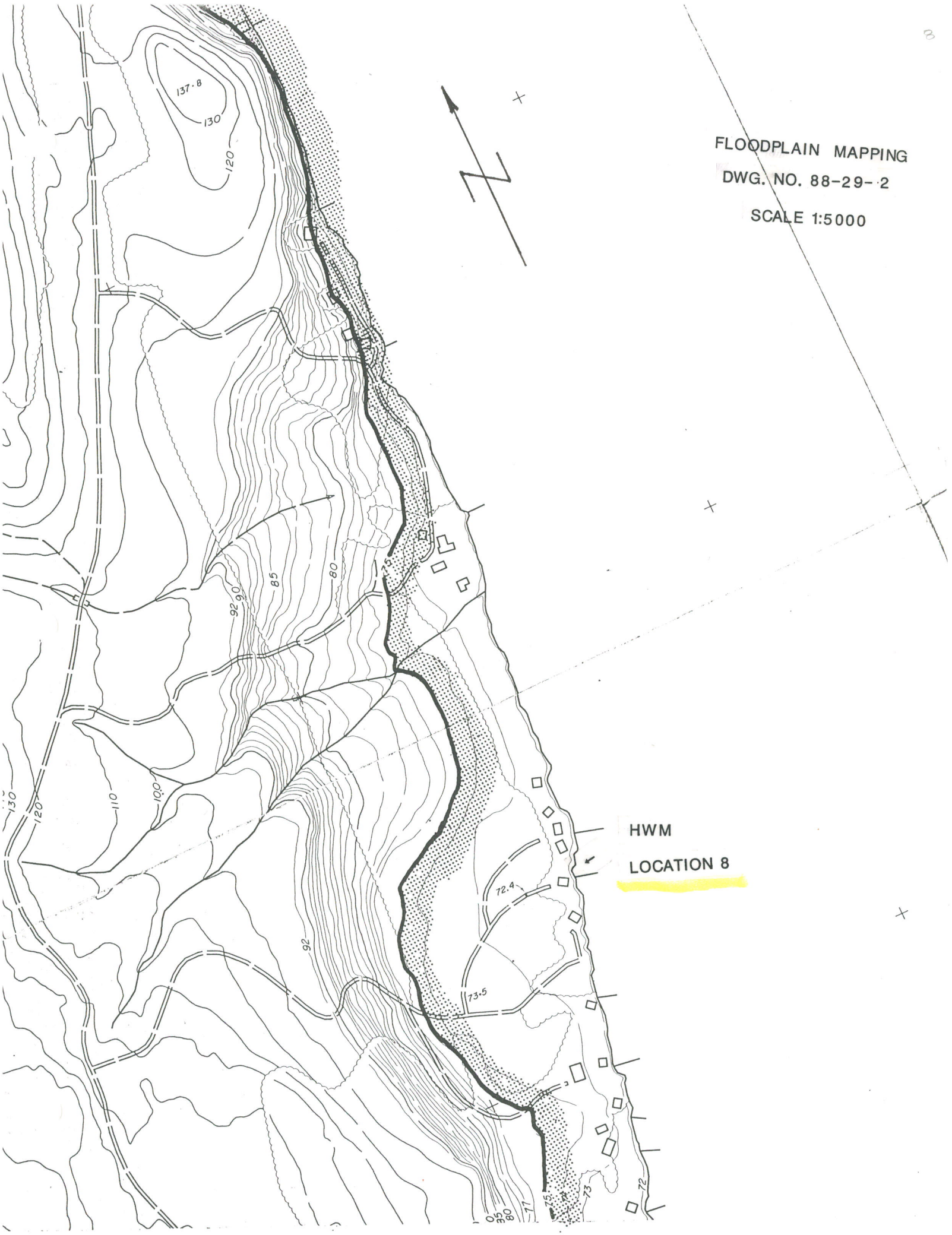
Mr. Mazarat's home is located within Lot 6793 on Lakelse Lake. It is found by driving Beam Station Road until reaching a broken down, blue dumptruck. At the dumptruck, turn east down a secondary road through a few switchbacks and then turn left at the fork in the road. Continue to drive another 200 m and you will come to Mr. Mazarat's driveway branching off to the right. The home has no siding, although there is some green lattice work on its side noticeable from the driveway. Mr. Mazarat's cottage is situated on a cliff overlooking Lakelse Lake. At the base of the cliff is a large yard which the flood waters covered to within 8.2 m of the cement pad for the stairs down from the cottage. A flag was nailed to a tree on the side of Mr. Mazarat's property, at the same height as the high water line. (Refer to photos of Location 8.)


LAKELSE LAKE
MT HERMAN
Muller Bay
Furlong Bay
Catt Pt
Gainey Pt
Mailbox Pt
Squirrel Pt
Lakelse
Lakelse Hot Springs
Hatchery
Herman Lake
Hai Lake
Ena Lake
End Lake
Herman Creek
Lakelse River
Coldwater
Ena Cr.
Furlong Cr.
Williams Creek
Schulbuckhand Creek
FORCEMAN RIDGE
Clearwater
Anglais
NATIONAL
Pipe Line
Spring
7
6
8
5
4
N.T.S. MAP 103 I/7
SCALE 1:50000
Terrace 9m
25'
20

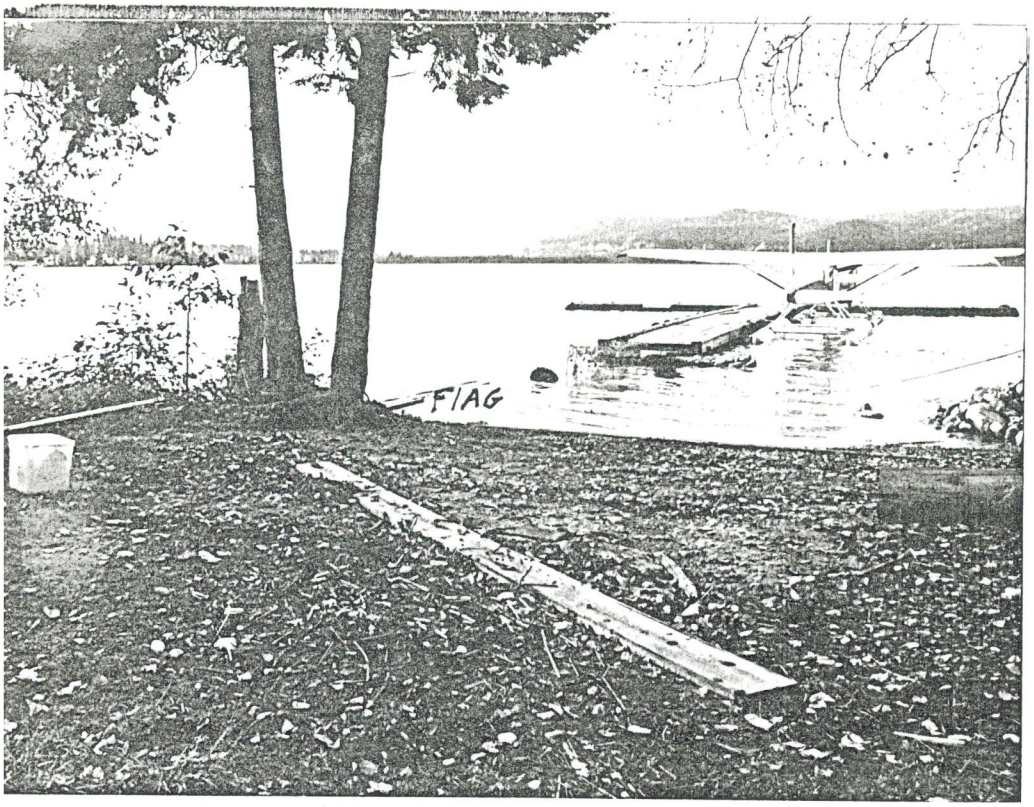

STUDY
HWM
LOCATION 5
WRS
MON 827
74.484 m
ADEL ROAD
WRS
MON 867
77.626 m
HWM
LOCATION 4
LAKELSE
LAKE
SCRUB
SCRUB
SCRUB
SCRUB
P/A
P/A
P/A
P/A
BC 83006
BC 83006
90
88
86
84
82
80
78
76
74
72
73
75
77
N
FLOODPLAIN MAPPING
DWG. NO. 88-29-3
SCALE 1:5000


NOTE:
The floodplain limit as shown is within the accuracy of the base mapping. Site specific ground elevations should be confirmed by field survey.
BREAKWATER
WRS
MON 1176
73.164
LOCATION 6
N
75.0 m G.S.C.
included)
FLOODPLAIN MAPPING
DWG. NO. 88-29-2
Scale 1:5000

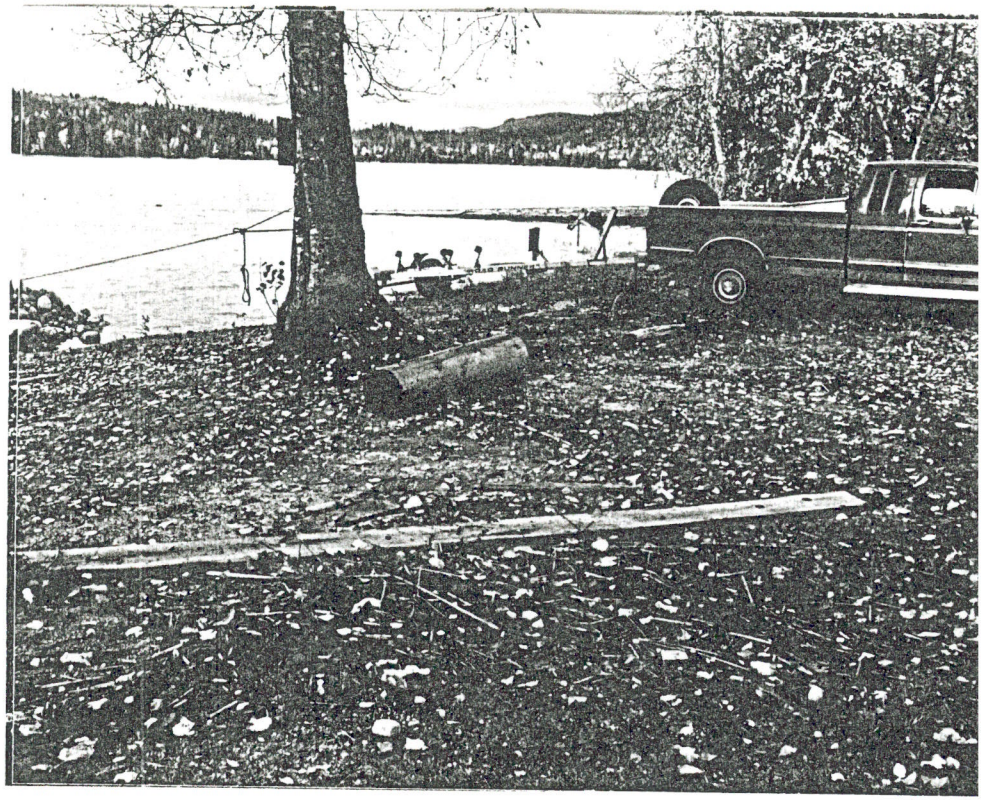

74.7
73.0
73.8
260
250
200
190
180
160
140
120
100
80
90
110
120
130
140
150
160
170
180
190
200
240
Muller
Bay
HWM
LOCATION 7
FLOODPLAIN MAPPING
DWG. NO. 88-29-2
Scale 1:5000
71.7


FLOODPLAIN MAPPING
DWG. NO. 88-29-2
SCALE 1:5000
HWM
LOCATION 8
137.8
130
120
110
100
92
90
85
80
75
73.5
72.4
73
72

LOCATION 4

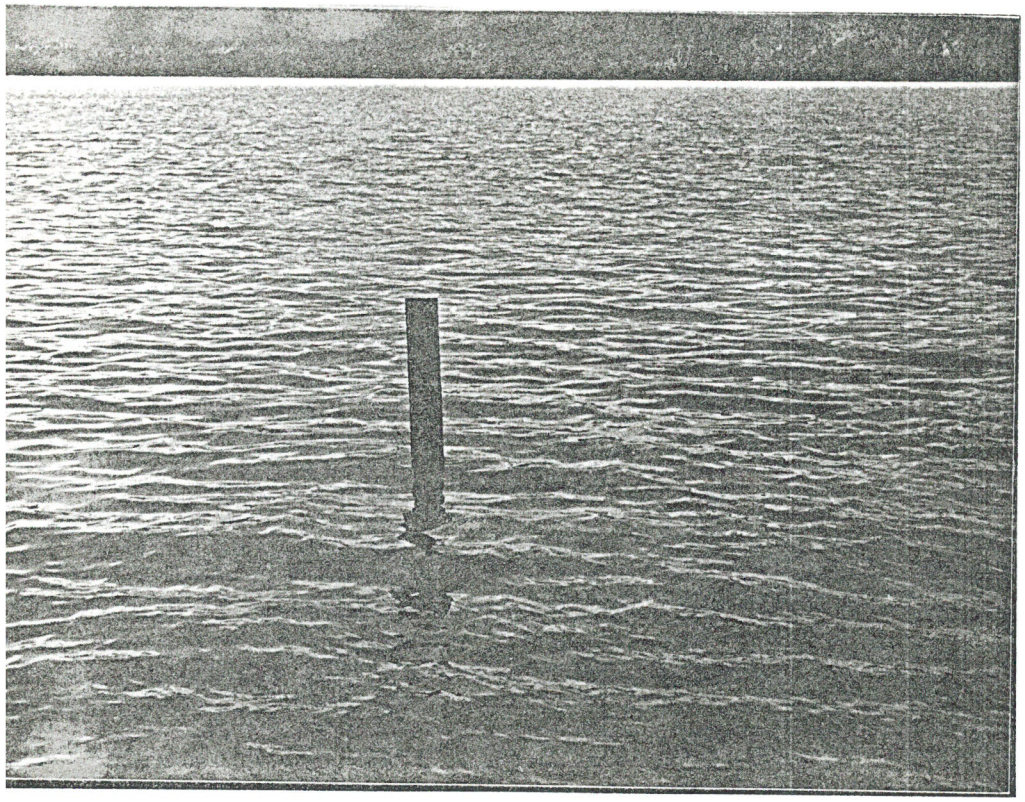


Seaplane dock- flag at the base
of cluster of coniferous trees



Seaplane dock- flag at the base
of cluster of decidous trees

LOCATION 5



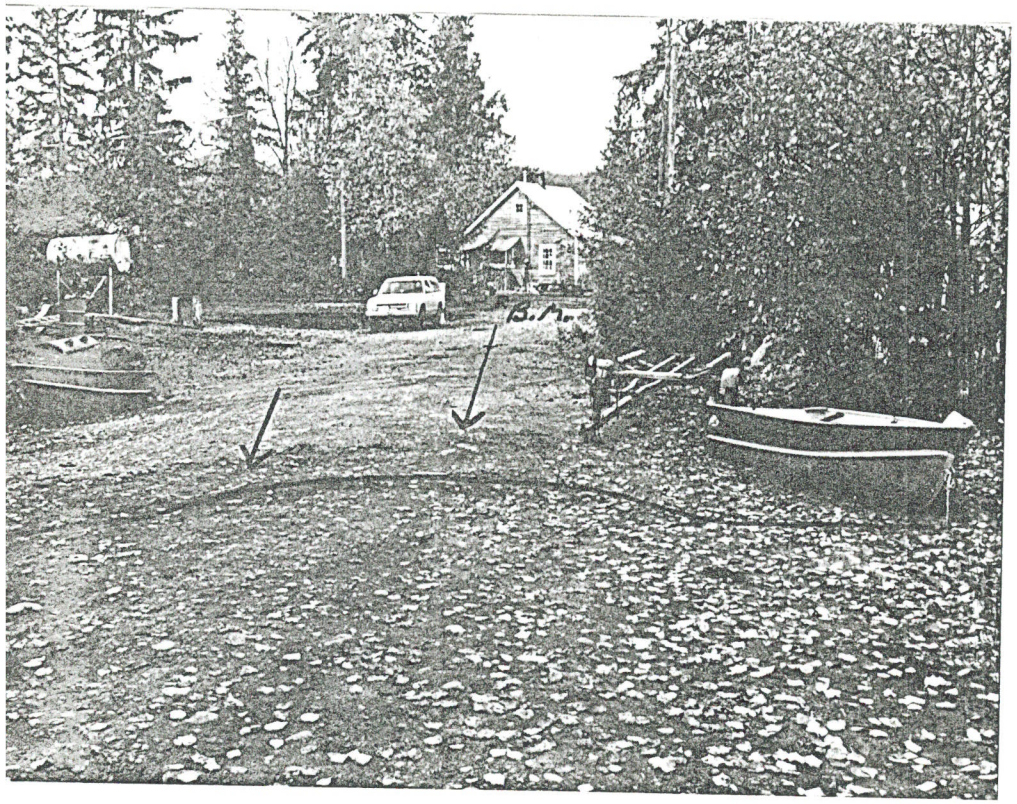
Lakelse Lake- gauge behind
Mr. Johnston's home

LOCATION 11

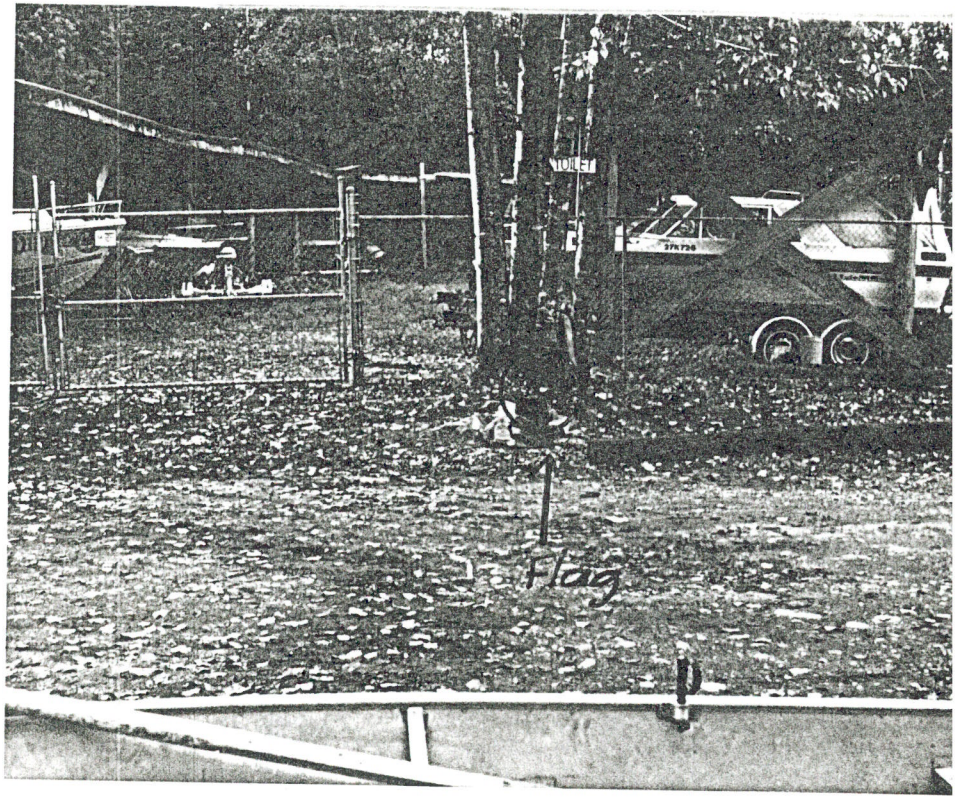


Brauns Island Bridge- H.W.L. noticeable
on central support of the bridge

LOCATION 6

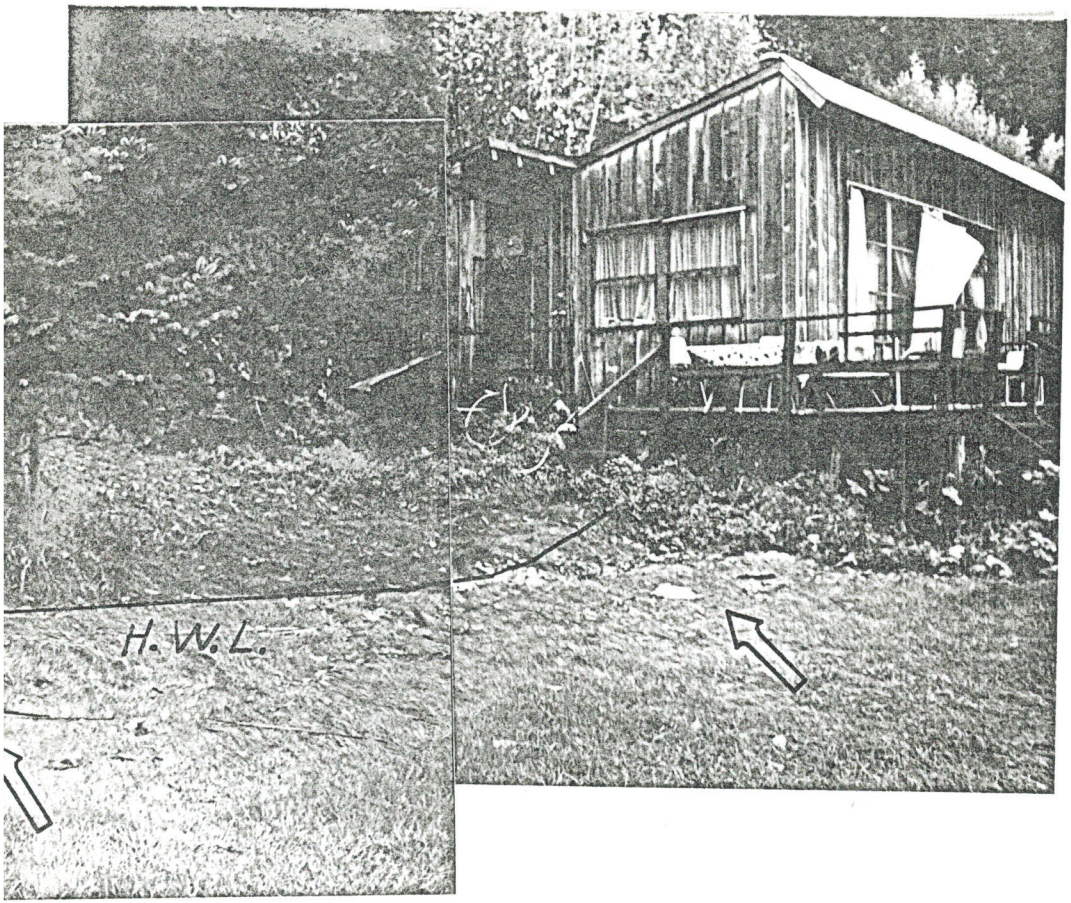


Waterlily Bay- benchmark and H.W.L.



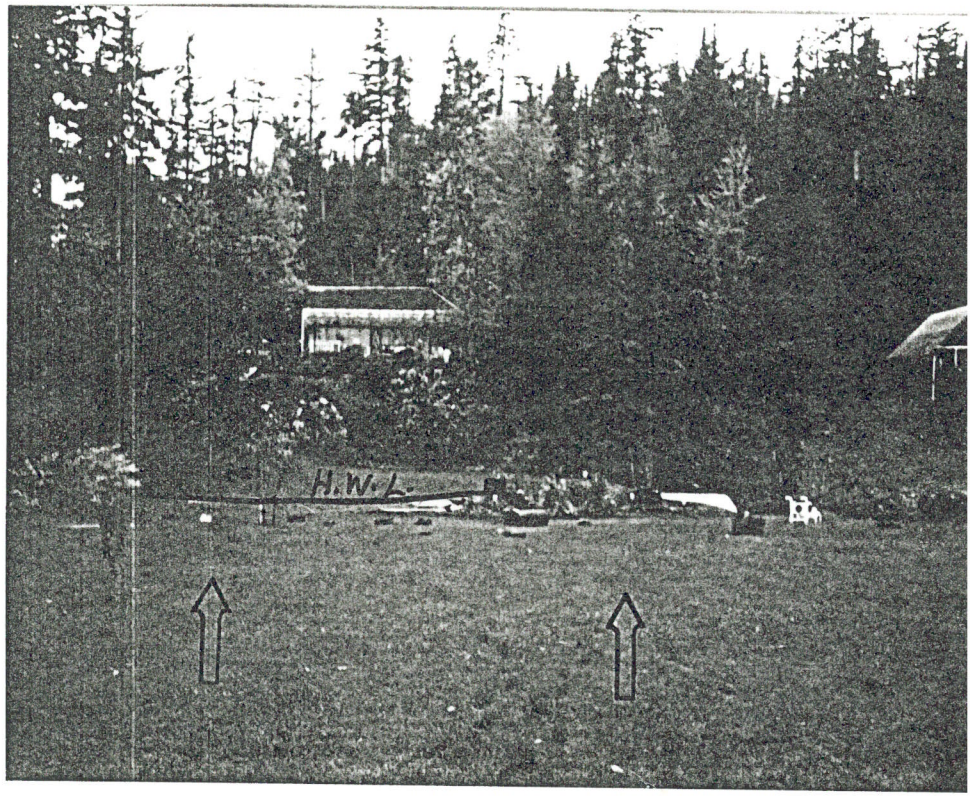
Waterlily Bay- flag even with the H.W.L

LOCATION 7



Muller Bay- high water level

LOCATION 8



Mr. Mazarat's home- high water level