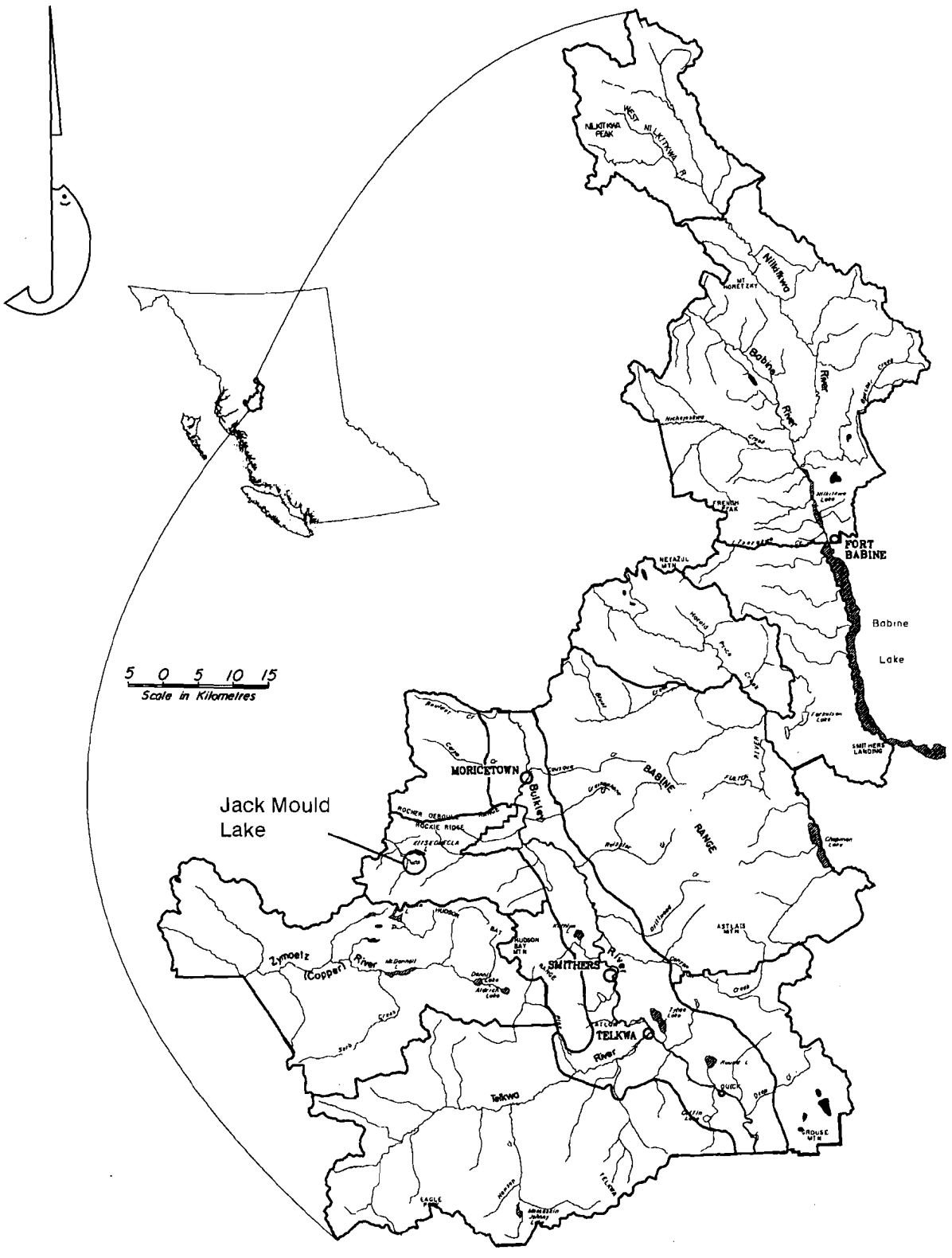


KLOHN-CRIPPEN

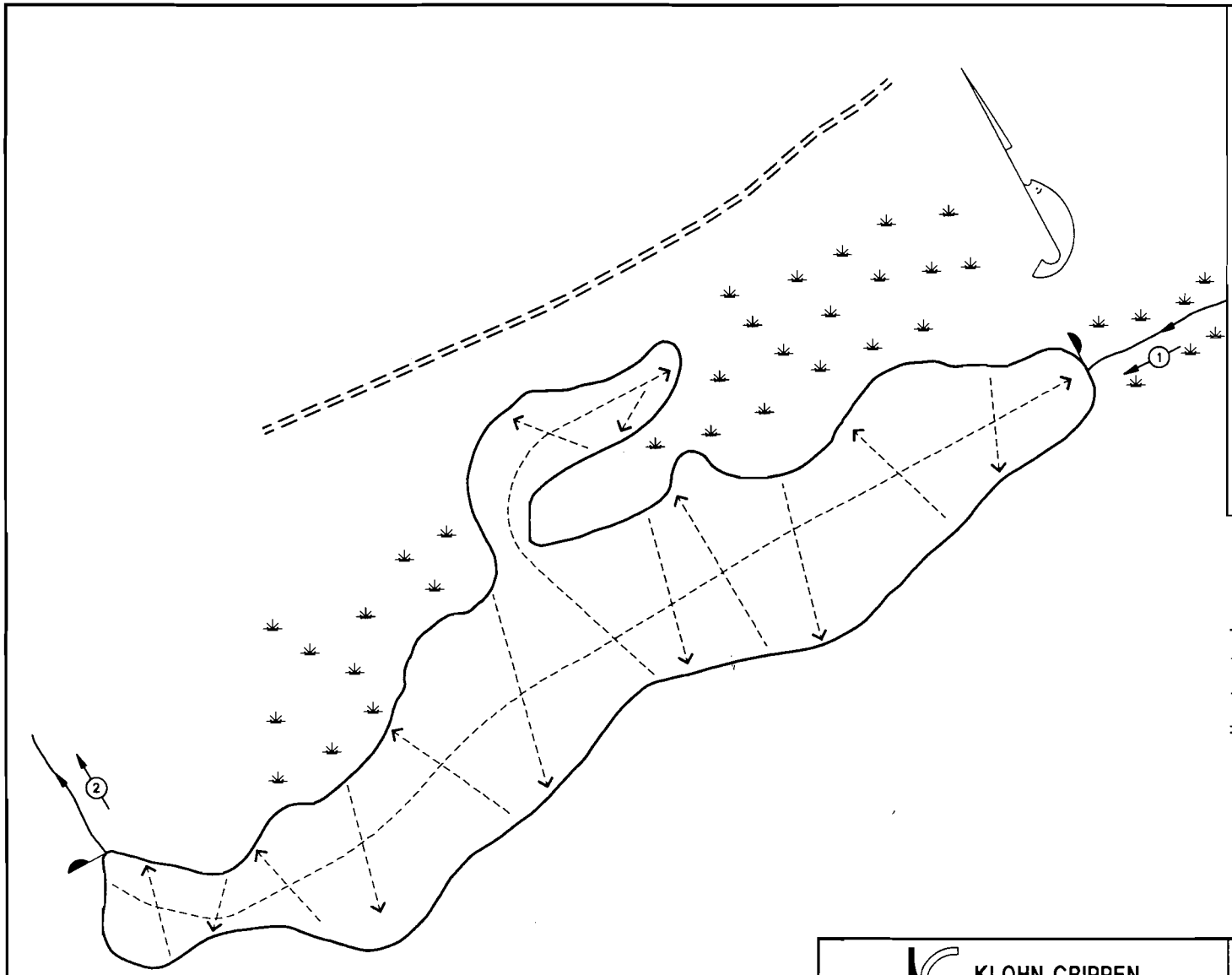
CLIENT: Province of British Columbia — Ministry of Environment, Lands & Parks

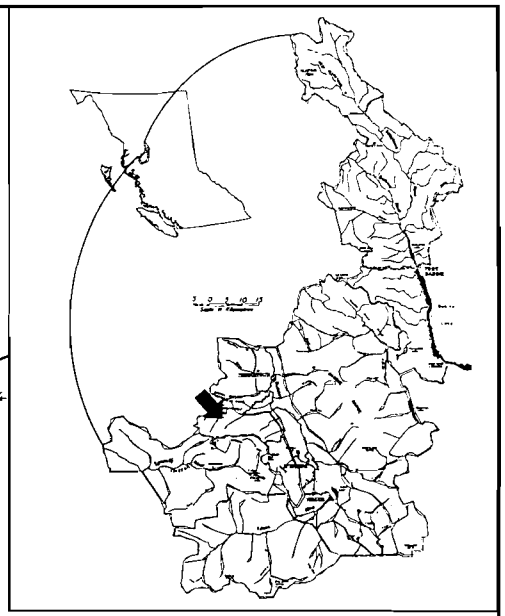
PROJECT: Reconnaissance Inventory of Jack Mould Lake*

TITLE: **Lake Location**

DATE OF ISSUE	PROJECT No.	DWG No.	REV.
March 19, 1997	PW 7507 0105	Fig. 1	G.S.

APPROVED





LEGEND

- SURVEY TRANSECT AND DIRECTION
- STREAM FLOW DIRECTION AND NUMBER
- FOREST SERVICE ROAD (2W-D)
- BEAVER DAM

SCALE 1:5000

KLOHN-CRIPPEN

CLIENT

Fisheries Branch
Ministry of Environment, Lands, and Parks

PROJECT
RECONNAISSANCE INVENTORY OF JACK MOULD LAKE*

TITLE
JACK MOULD LAKE*
BATHYMETRIC SURVEY TRANSECTS

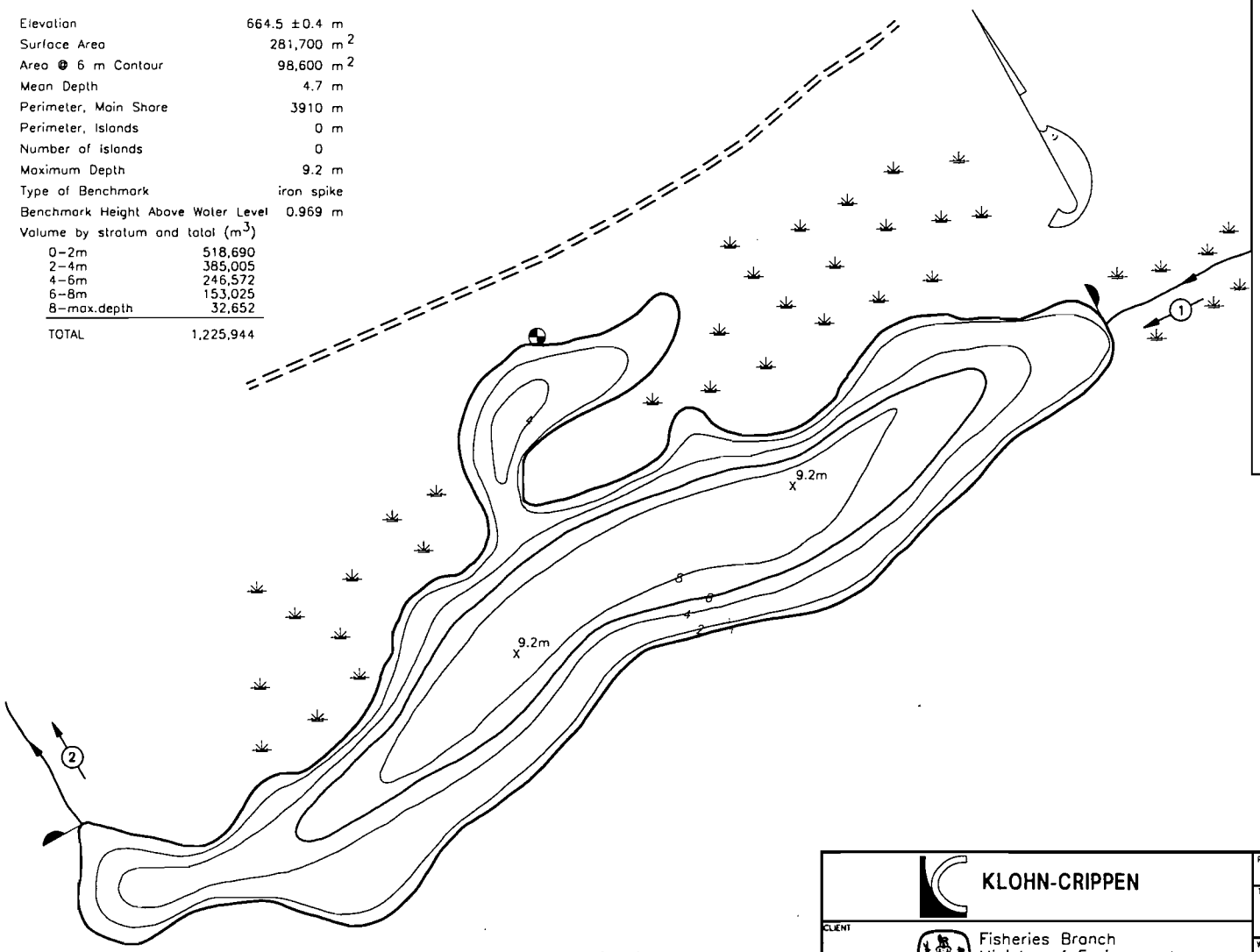
DATE OF ISSUE	PROJECT No.	FIG. No.
MAR.19, 1997	PW7507 0105	FIGURE 2

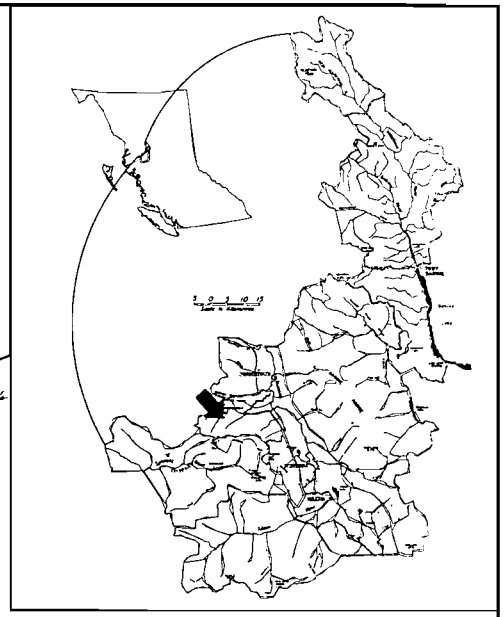
STATISTICS AT TIME OF SURVEY

Elevation	664.5 ±0.4 m
Surface Area	281,700 m^2
Area @ 6 m Contour	98,600 m^2
Mean Depth	4.7 m
Perimeter, Main Shore	3910 m
Perimeter, Islands	0 m
Number of islands	0
Maximum Depth	9.2 m
Type of Benchmark	iron spike
Benchmark Height Above Water Level	0.969 m

Volume by stratum and total (m^3)

0–2m	518,690
2–4m	385,005
4–6m	246,572
6–8m	153,025
8–max.depth	32,652
TOTAL	1,225,944





LEGEND

- BENCHMARK
- 2 — BATHYMETRIC CONTOUR AND DEPTH (m)
- (1) → STREAM FLOW DIRECTION AND NUMBER
- FOREST SERVICE ROAD (2W–D)
- BEAVER DAM

SCALE 1:5000

KLOHN-CRIPPEN

CLIENT: Fisheries Branch, Ministry of Environment, Lands, and Parks

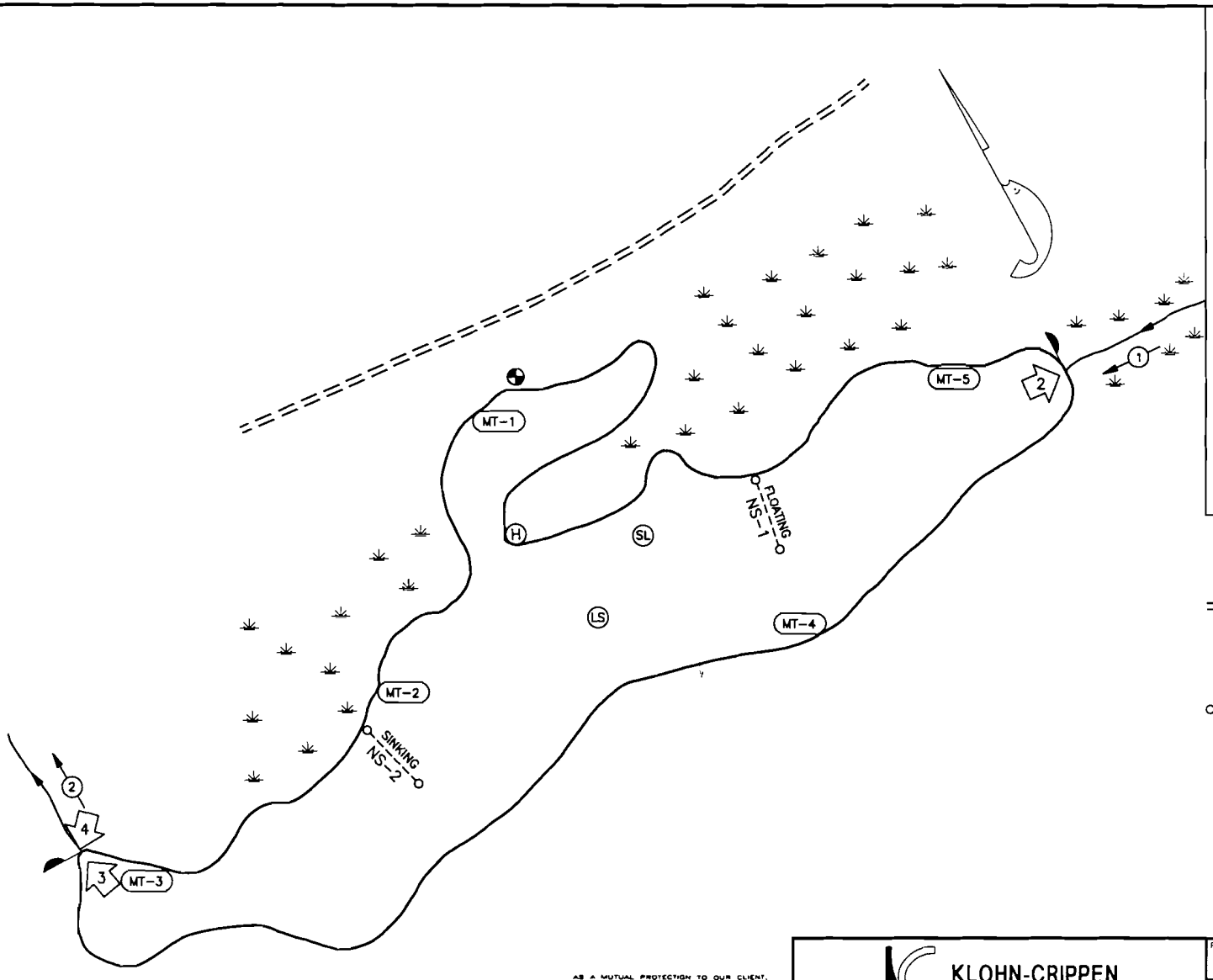
SURVEYED BY: G. SCARBOROUGH	SURVEY DATE: SEPT. 17, 1996	PLOT DATE: DEC. 1, 1996	NTS SHEET: 93L.13
LAKE OUTLINE SOURCE: GPS DATA		REVISION DATE: MAR. 19, 1997	PROJECT No.: PW7507 0105
METHOD OF PREPARATION: ADCADD CIVIL SURVEY SOFTWARE		APPROVED DATE:	FIG. No.: FIGURE 3

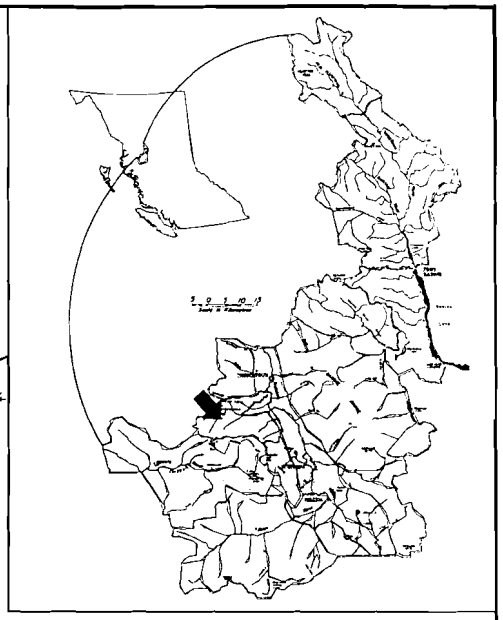
PROJECT: RECONNAISSANCE INVENTORY OF JACK MOULD LAKE*

TITLE: JACK MOULD LAKE*
BATHYMETRIC CONTOURS AND RELATED STATISTICS

WATERSHED CODE: UNKNOWN

UTM: 9.591389.6087110





LEGEND

- BENCHMARK
- FOREST SERVICE ROAD (2W-D)
- 1 — PLATE NUMBER AND DIRECTION
- (1) — SURVEY SITE LOCATION AND NUMBER
- NS-1 — NETTING SITE LOCATION AND NUMBER
- (LS) — LIMNOLOGICAL STATION LOCATION
- (MT-1) — MINNOW TRAP LOCATION AND NUMBER
- (SL) — SET LINE LOCATION
- (H) — HELICOPTER LANDING AREA
- (1) — STREAM FLOW DIRECTION AND NUMBER

SCALE 1:5000

KLOHN-CRIPPEN

CLIENT: Fisheries Branch
Ministry of Environment,
Lands, and Parks

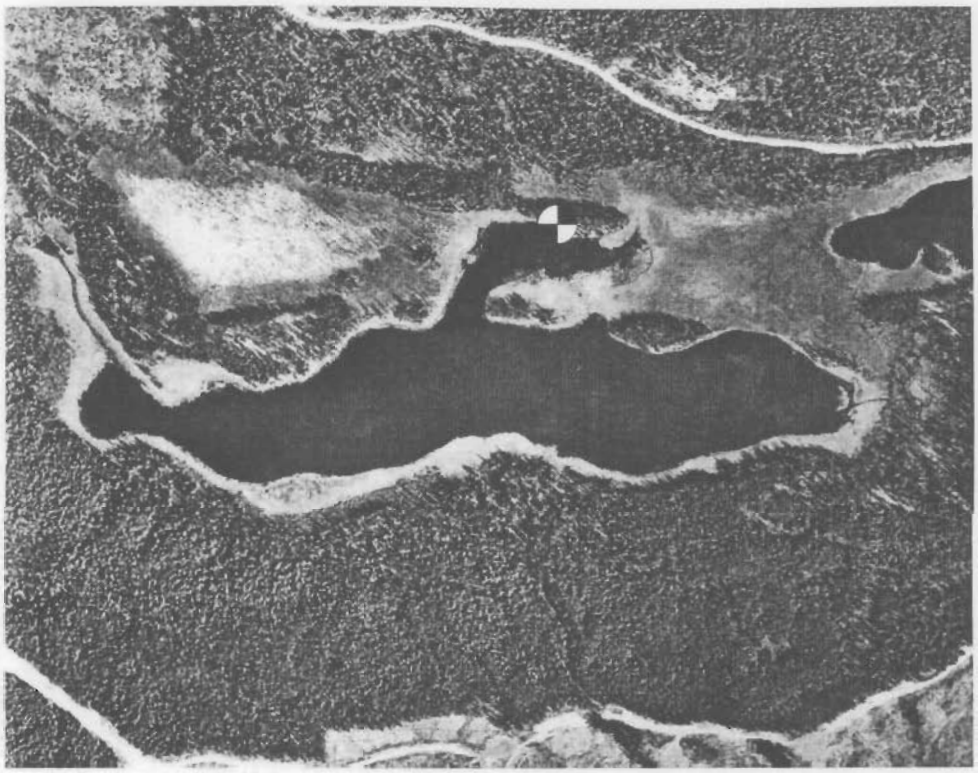
PROJECT: RECONNAISSANCE INVENTORY OF JACK MOULD LAKE*

TITLE: JACK MOULD LAKE *
LOCATION OF LAKE SURVEY SITES

DATE OF ISSUE: MAR.19, 1997

PROJECT No.: PW7507 0105

FIG. No.: FIGURE 4



KLOHN-CRIPPEN

CLIENT: Province of British Columbia — Ministry of Environment, Lands & Parks

PROJECT: Reconnaissance Inventory of Jack Mould Lake*

TITLE: Air photograph enlargement (#30BCB92090 NO.196 - 139%) showing Jack Mould Lake and the benchmark's location.

DATE OF ISSUE	PROJECT No.	DWG No.	REV.
March 19, 1997	PW 7507 0105	Fig. 5	S.S.

APPROVED

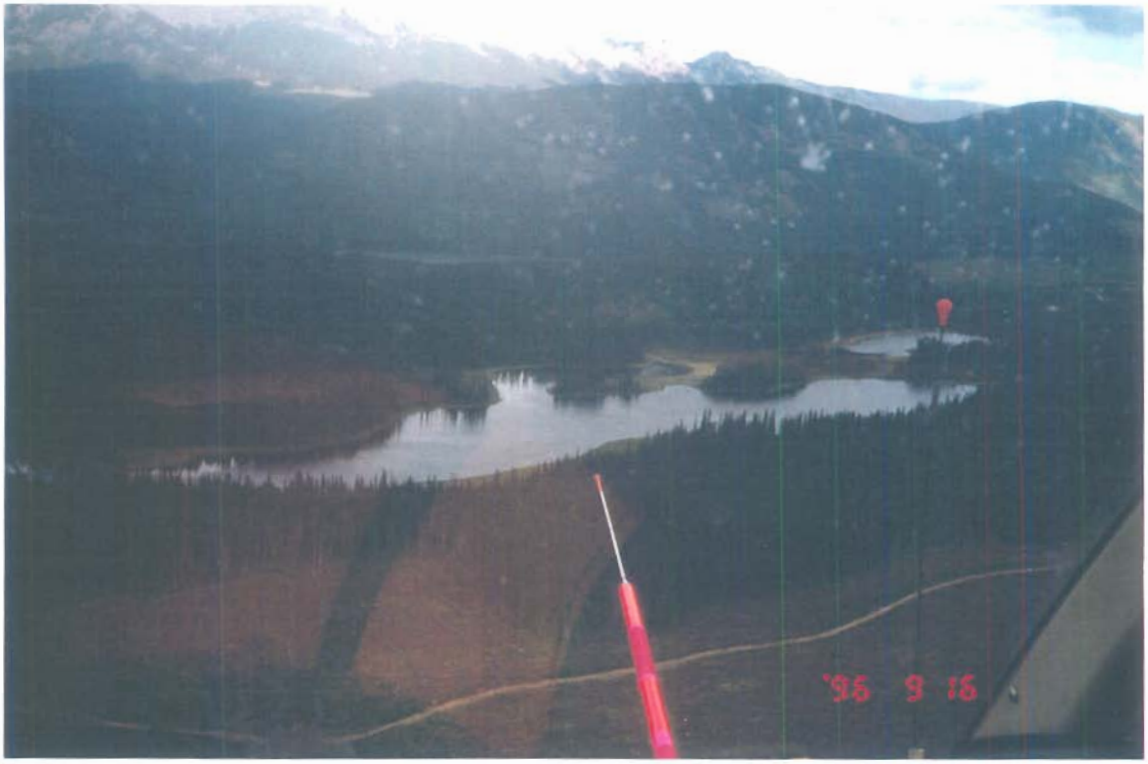
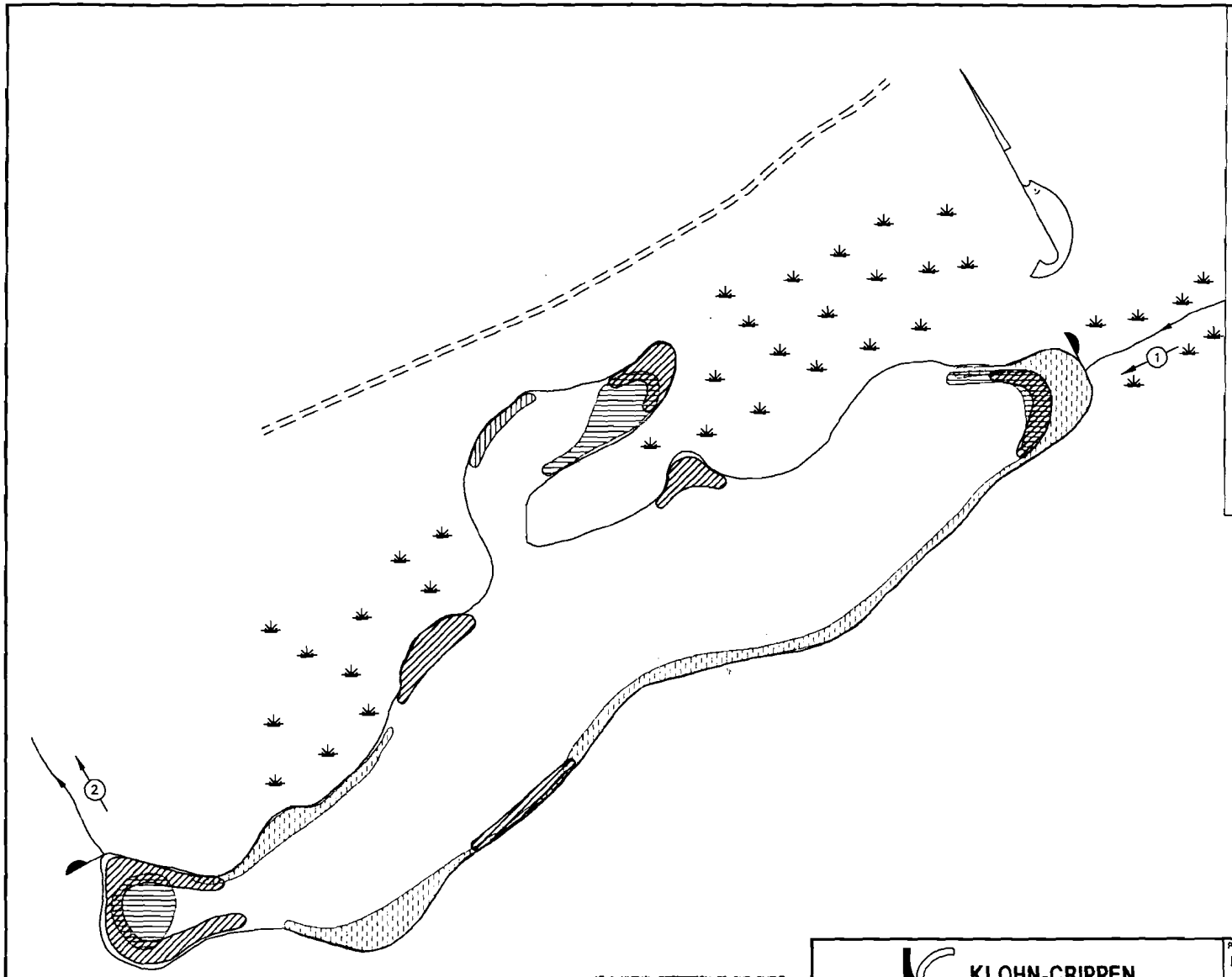


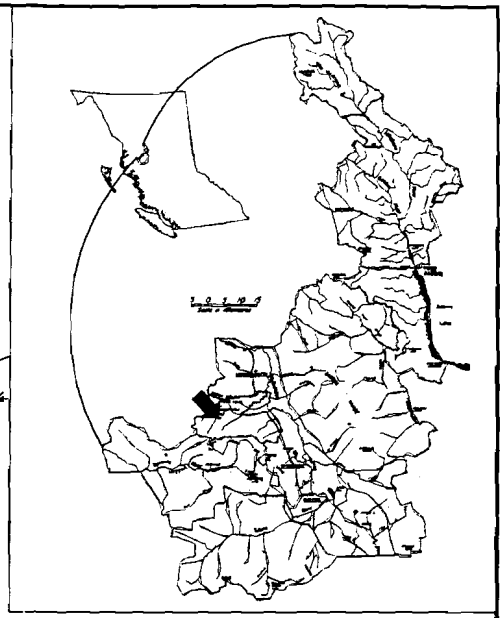
Plate 1 View of Jack Mould Lake looking north from helicopter. Note logging activity in foreground and road across in foreground and background. (Roll #2, Negative #29)

Plate 2 View of inlet taken from lake. (Roll #2, Negative #30)

Plate 3 View of outlet and the beaver dam at this outlet. (Roll #2, Negative #33)

Plate 4 View of 1.2 m beaver dam in outlet. (Roll #2, Negative #32)





LEGEND

- STREAM FLOW DIRECTION AND NUMBER
- FOREST SERVICE ROAD (2W-D)
- BEAVER DAM
- *Potamogeton sp.*
- *Sphagnum sp.*
- *Nuphar sp.*
- *Unidentified grasses*

SCALE 1:5000

KLOHN-CRIPPEN

CLIENT: Fisheries Branch
Ministry of Environment,
Lands, and Parks

PROJECT: RECONNAISSANCE INVENTORY OF JACK MOULD LAKE*

TITLE: JACK MOULD LAKE*
DISTRIBUTION OF AQUATIC PLANT COMMUNITIES

DATE OF ISSUE	PROJECT No.	FIG. No.
MAR.19, 1997	PW7507 0105	FIGURE 6

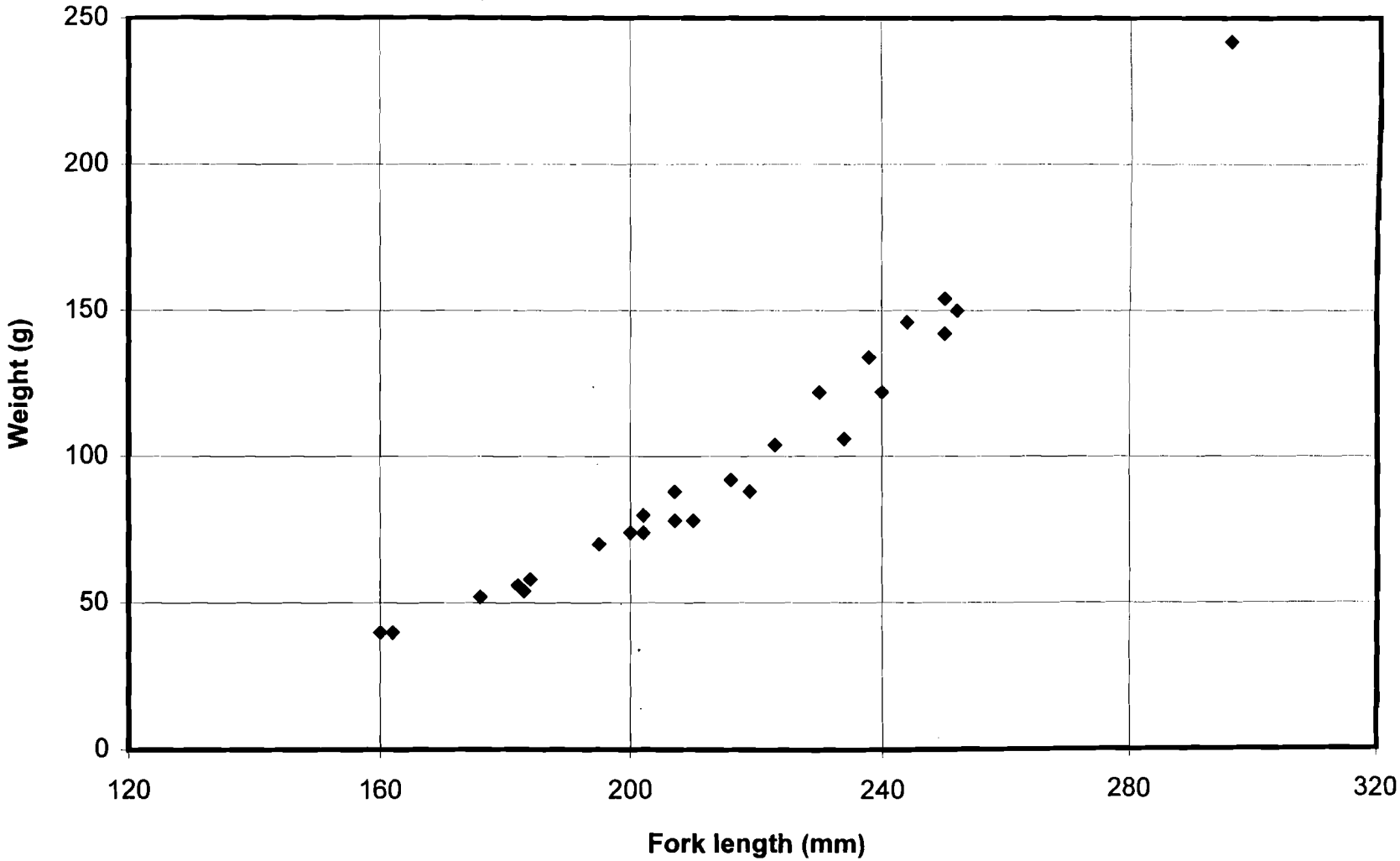


Figure 7 - Cutthroat trout fork length versus weight (n = 25). Fulton's Condition Factor = 0.93 (SD = 0.05).

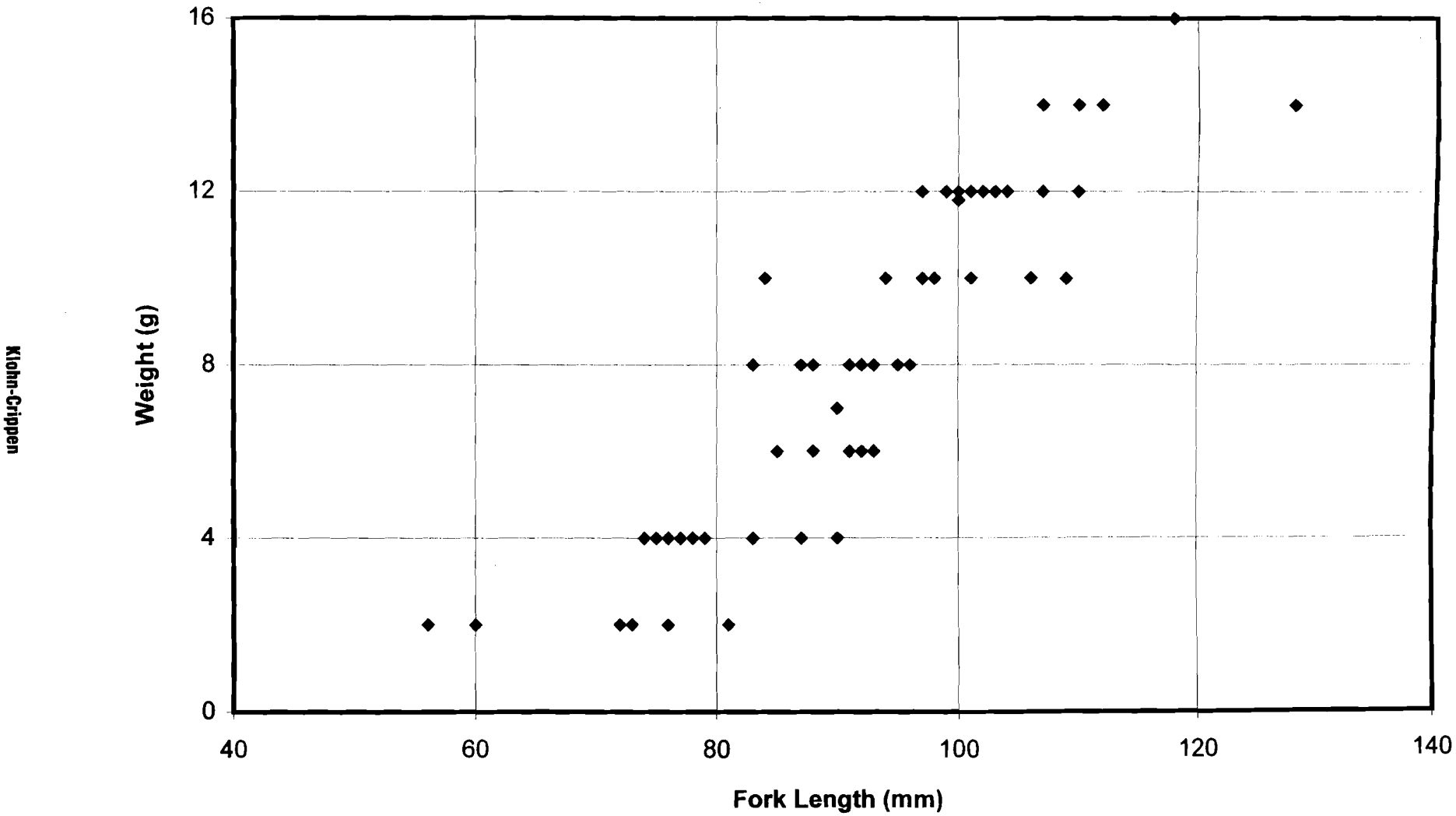
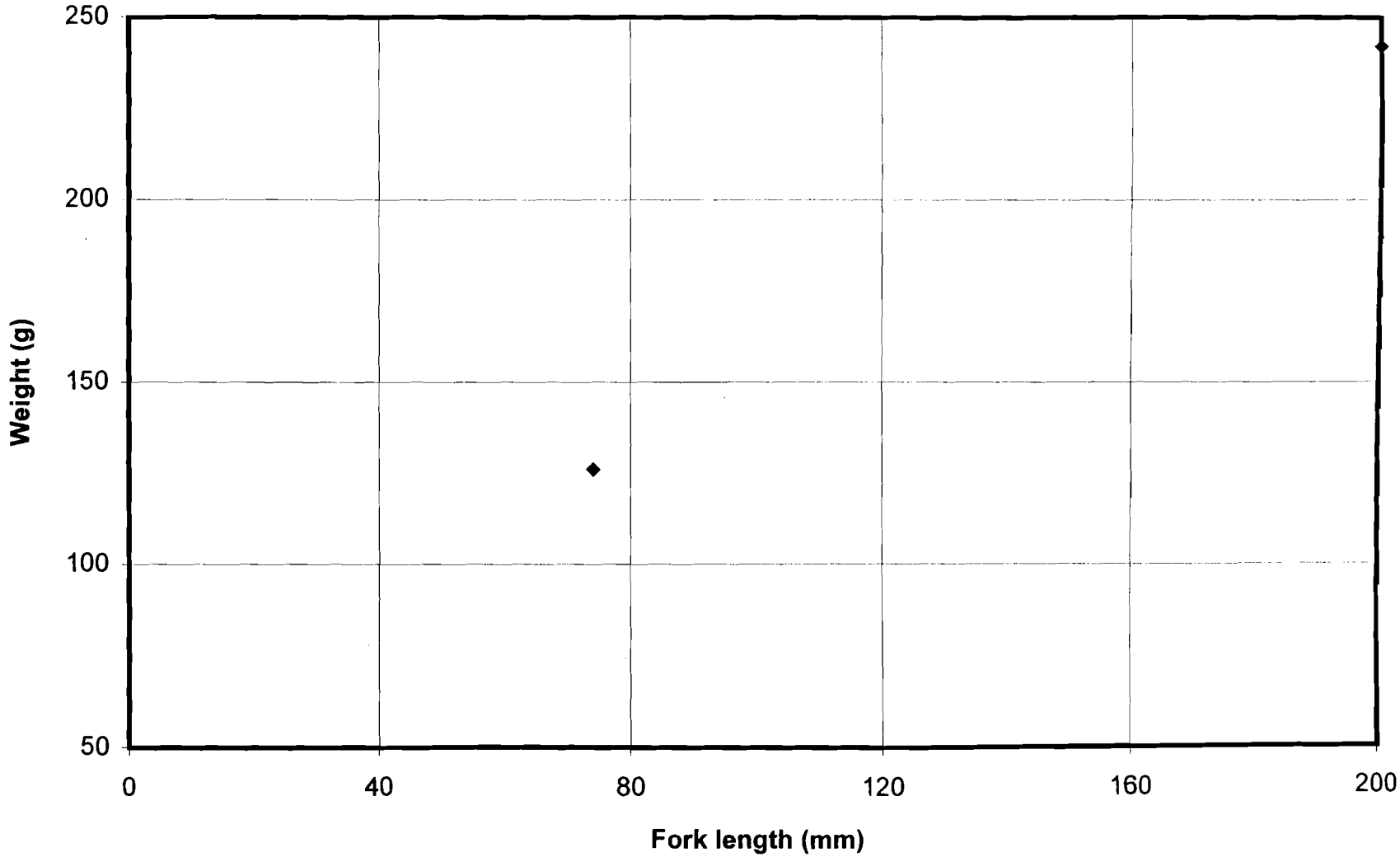


Figure 8 - Redside shiner fork length versus weight (n = 66). Fulton's Condition Factor = 0.98 (SD = 0.23).



Klohn-Crippen

Figure 9 - Rainbow trout fork length versus weight (n = 2). Fulton's Condition Factor = 0.91 (SD = 0.03).

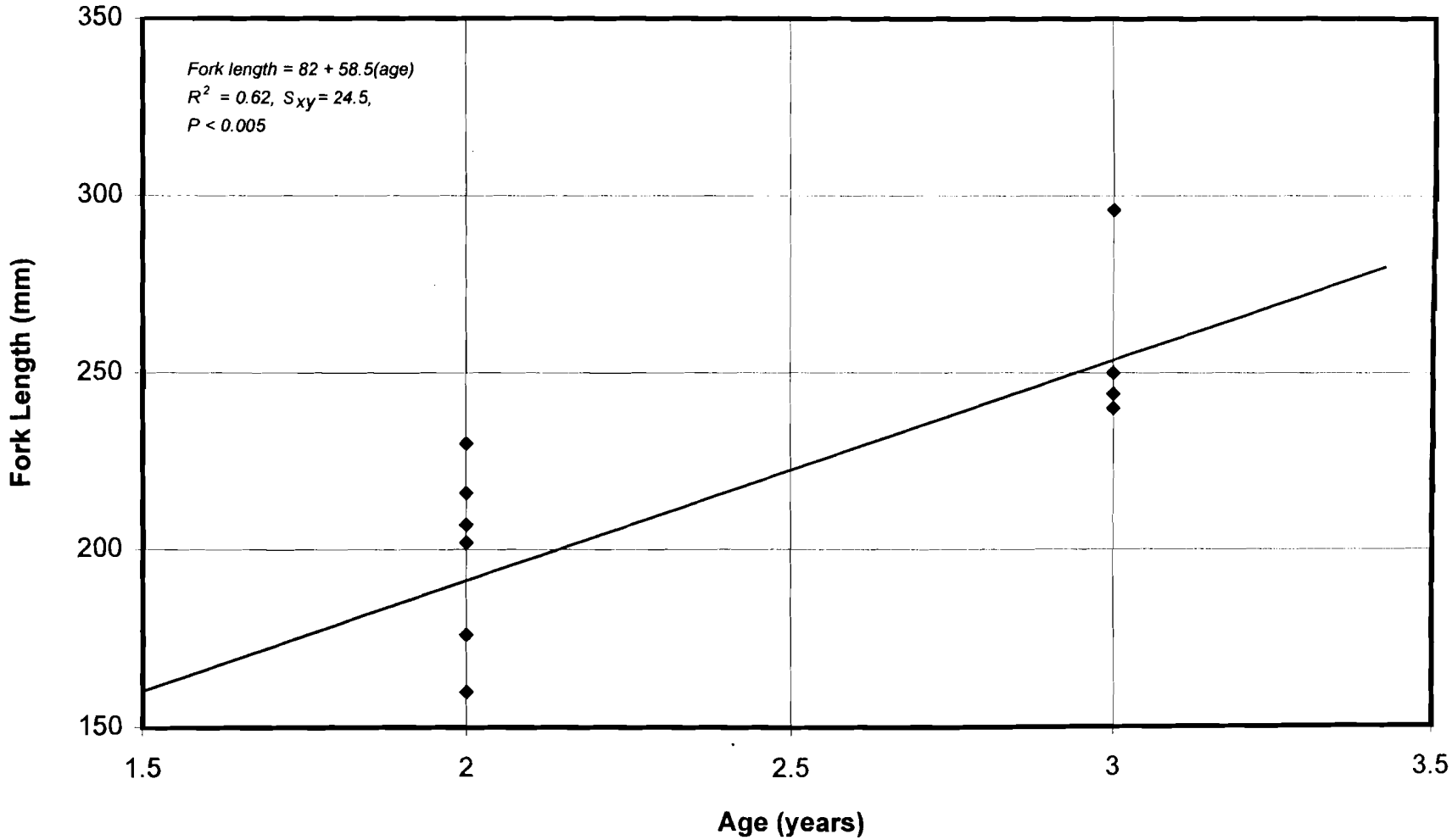


Figure 10 - Cutthroat trout age versus fork length (sample size = 11). The linear regression equation, regression line and related statistics are also shown.

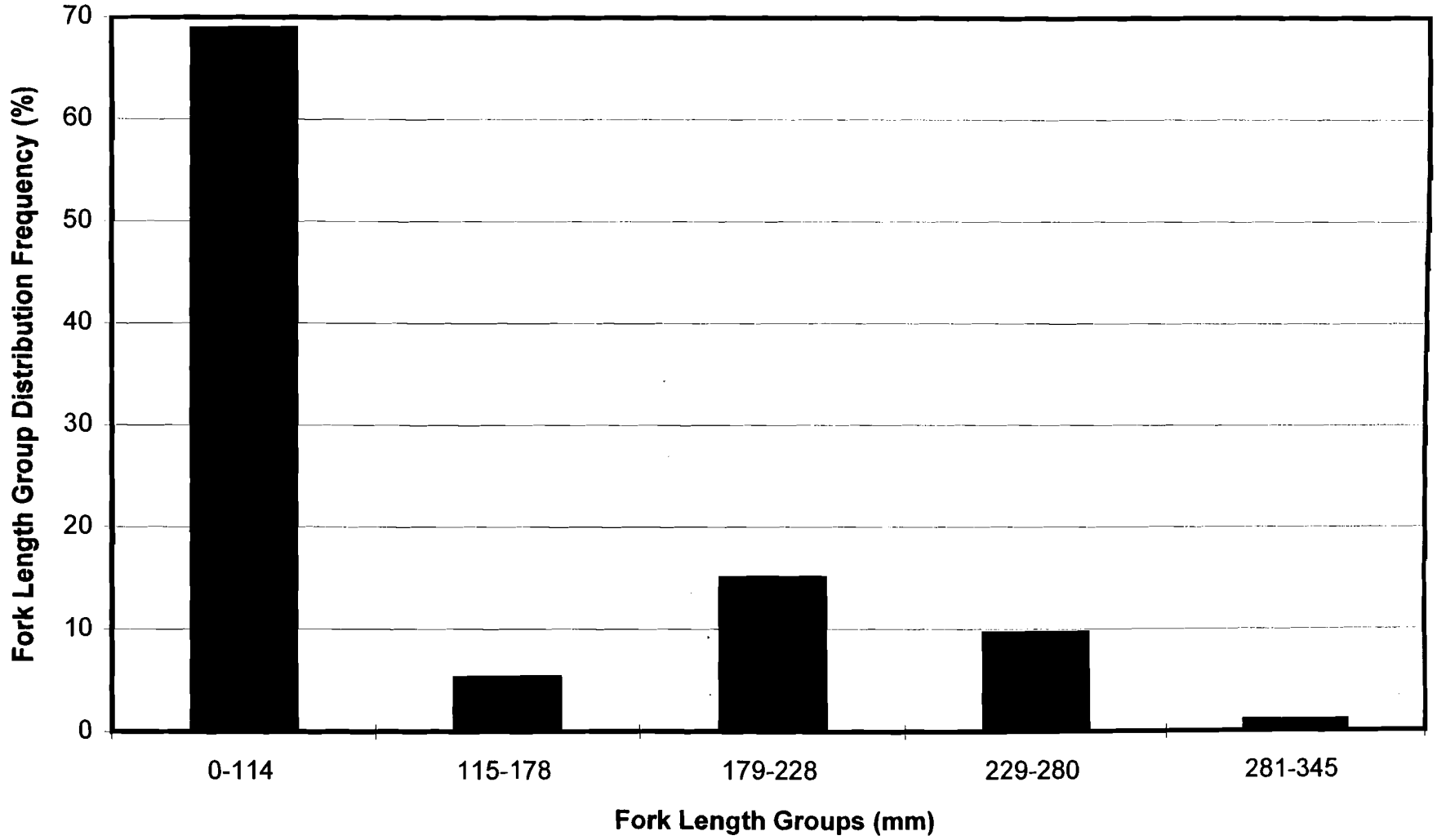


Figure 11 - Frequency distribution of fish fork length groupings (n = 92).

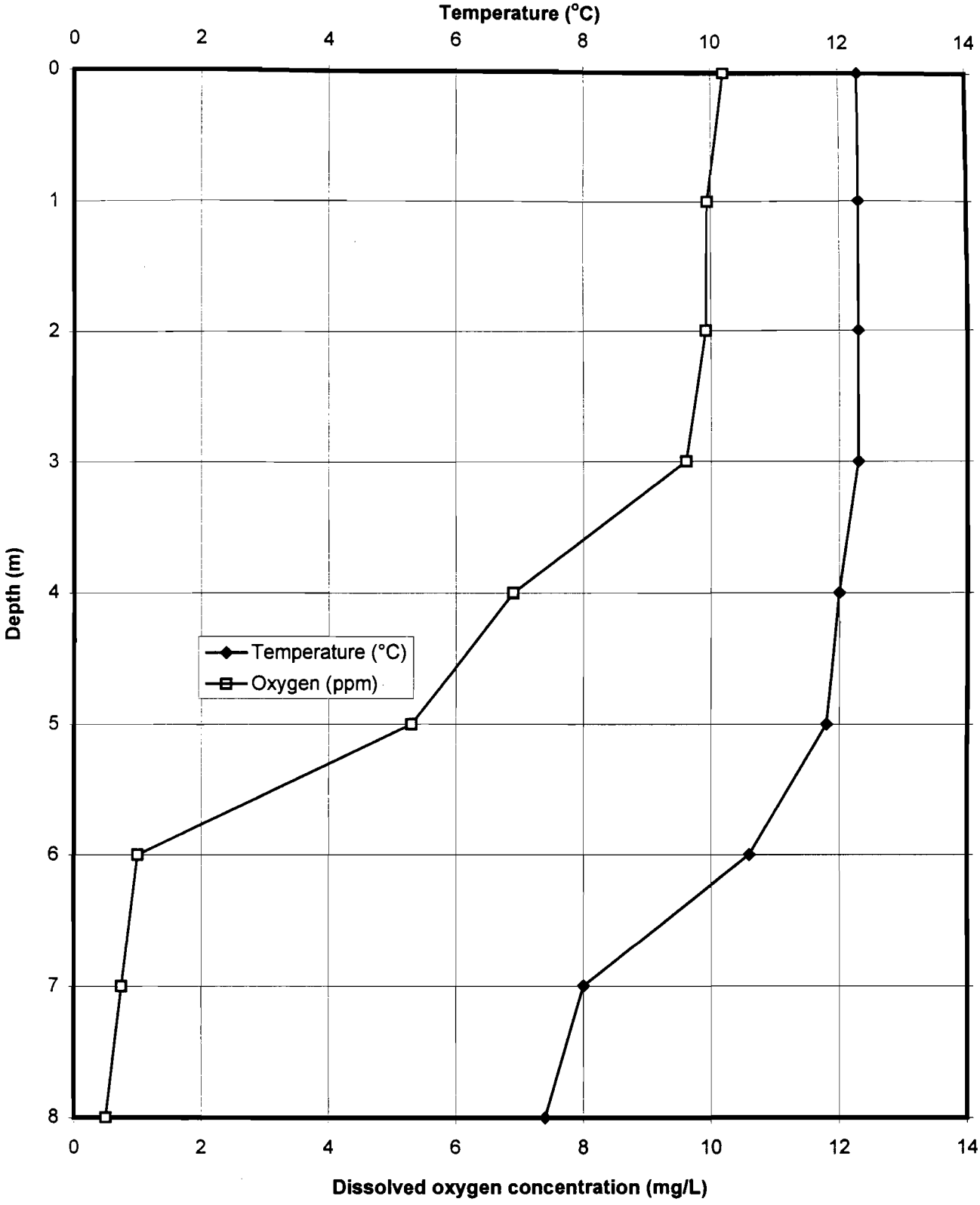


Figure 12 - Temperature and Dissolved Oxygen Profiles