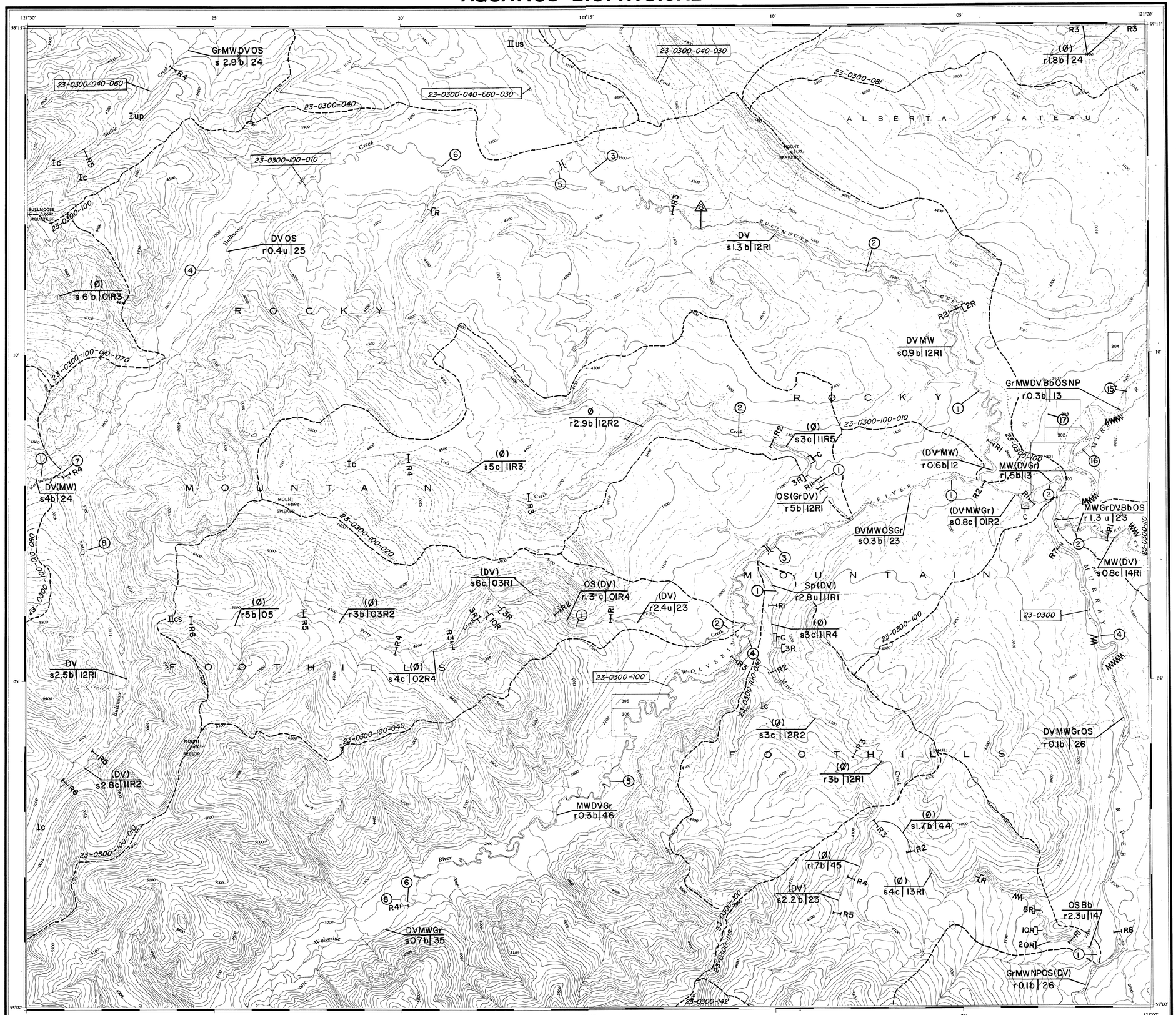
AQUATICS BIOPHYSICAL

NO. 11 93P/3



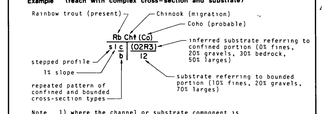
LEGEND

Explanation of Map Symbols

REACH SYMBOLS

GENERAL: FISH SPECIES / CHANNEL | SUBSTRATE

Example (reach with complex cross-section and substrate)



Note 1) where the channel or substrate component is man-made, the symbol is underlined

2) where channel or substrate data has not been verified the symbol is placed in parentheses

Fish Species

1 Sport and Commercial abbreviations

Symbol	Species	Symbol	Species
Ch	Chinook salmon	LT	Lake trout
Co	Coho salmon	GB	German Brown trout
Cm	Chum salmon	Mw	Mountain Whitefish
Pk	Pink salmon	LW	Lake Whitefish
Sk	Sockeye salmon	Gr	Grayling
Ko	Kokanee salmon	LMB	Largemouth bass
Rb	Rainbow trout	SMB	Smallmouth bass
St	Steelhead trout	NP	Northern pike
Ct	Cutthroat trout	PR	Pike-minnow (Pickerel)
YCt	Yellowstone Cutthroat trout	YP	Yellow perch
EB	Eastern Brook trout	Sg	Sturgeon
DV	Dolly Varden Char	Bb	Ling (Burbot)
		Cp	Carp
		WF	Whitefish

2 OS - indicates known but non-sport or non-commercial species, data bank must be consulted for complete species list

3 Sp - indicates fish observed but not indentified

4 Ø - indicates fish not detected at time and place of sampling

5 Absence of any fish species symbol indicates that no sampling information was available

6 (Co) - indicates probable but unconfirmed presence

7 SkT- indicates reach used by species for migration only, no resident population

8 Note no specific symbol exists for a barren stream When such a condition is suspected, it may be indicated by (Ø) which is an inference that if sampling took place, fish would not be detected

Channel

1 Longitudinal Profile

s - stepped	repetitious sequence of slopes or forms
r - regular	homogeneous or continuous profile

2 Slope % (elevation gain/reach length)

> 3% measured to nearest percent
< 3% measured to nearest tenth percent

3 Cross-section

c - confined	(channel is entrenched or lateral movement is controlled by banks)
b - bounded	(channel movement is limited by valley walls near the edge of the floodplain)
u - unconfined	(channel is not bounded by valley wall and much lateral movement or flooding is possible at high flows)

Substrate Materials

Fines, gravels and bedrock are listed in sequence to nearest 10%, expressed as an integer Larges are inferred (see example)

1 fines - materials in 0-2 mm size class
gravels - materials in 2-100 mm size class
larges - materials greater than 100 mm in size

2 Bedrock percentage indicated by Rn, where integer n represents percentage R without integer implies 0-10%

3 F, G, L or R used alone indicates 90-100% of a reach is in one category size, fines, gravels, larges or rock respectively

STREAM REACHES WITH LIMITED INFORMATION

1 Slope
I > 5%
II < 5%

2 Cross-section
c confined
u- unconfined

3 Wetland Class
m - marsh s - swamp
b - bog p - pond
f - fen

eg Ic(b) - a steeply sloping confined channel, probably through an alpine bog

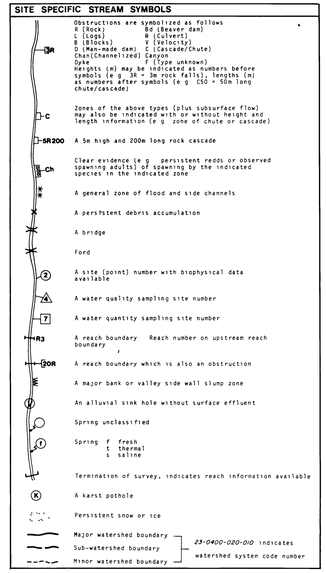
Note slope and cross-section may be used alone

LAKES

General | Fish Species | T.D.S / Max depth | % Littoral area

1 Fish species names as streams
2 T.D.S total dissolved solids, if available
3 Maximum depth measured to nearest meter
4 Littoral area measurement or visual estimate of % of total area < 6m When estimate is made, parenthesis will be used

SITE SPECIFIC STREAM SYMBOLS



References

Aquatic System Units in the Northwest Coast Study Area - 1978

Prepared by E. Harding, Resource Analysis Branch, B.C. Ministry of Environment, Victoria, B.C. in preparation

Aquatic System Inventory and Analysis - 1977

Resource Analysis Branch, B.C. Ministry of Environment, Victoria, B.C. 39 pp., plus appendices

Credits

Mapped by - Aquatics Section; Resource Analysis Branch, B.C. Ministry of Environment

Date of mapping - 1977

Drafted by Cartographic Section, Resource Analysis Branch

Topographic base provided by - Surveys and Mapping Branch, B.C. Ministry of Environment